Inside: Hockey team keeps winning
page 8

More on the bridge building contest
page 4

Transfer student open house
page 5

Bridge contest

Last Tuesday, more than 120 high school students and almost 20 IIT students and faculty gathered in the HUB for the 12th Annual Chicago Regional Bridge Building Contest. After 3-1/2 hours of splintering wood and falling weights, IIT's Electrical Engineers established themselves as the premier model bridge builders of the Nation. They succeeded in smashing the 350-lb. record for basswood spans, set back in 1983, by almost 50 pounds. The Electrical Engineers built a bridge which held up almost 400 pounds. Although the EE Honor Society Eta Kappa Nu did not build the strongest basswood bridge, they entered in competition. IIT's electrical faculty member Marvin Camras constructed the most efficient bridge. His bridge held up almost 60,000 times its weight. The contest involved building a model bridge out of 3/32" square basswood spars which spanned a 25 cm river and conformed to a few dimensional constraints. The bridges had to weigh between 20 and 30 grams. The models were placed on a test stand fitted with a weight hangar and loaded with weights until destruction.

The top two winners in both the City and Suburban High School Competition will next compete in the National competition in Denver, Colorado on April 25. Camras and the students of Eta Kappa Nu are not as lucky; there is no National College Competition. The contest represents the culmination of months of planning by the Bridge Building Committee and Eta Kappa Nu/IEEE. The committee is composed of local high school physics teachers and coordinated by IIT Professor Earl Zwickler. The Electrical

IIT declines donation

Hundreds of Art and Architecture students at the University of Illinois-Chicago are benefiting from the generosity of IIT's graduate Russ Roschmann. Unfortunately, the IIT administration and media will take advantage of the donation of over 1,700 drawing cabinets, which were sold for approximately $60,000, leaving IIT architects without their drawers.

In response, Roschmann contacted President Martin's office to explain his offer. Martin was out of town at the time and wasn't due to return for a week. A week was too long for Roschmann to wait, however, because the warehouses where the cabinets were stored were being moved.

Since IIT does not have a vice-president for Development, Roschmann arranged to speak directly with President Martin's secretary. Roschmann offered his assistance to the President for development.

On October 16, Roschmann reached Desimone who said he would have heard Architecture department get back in touch. An entire week passed and Roschmann heard nothing from IIT. He then contacted the University Administration. IIT immediately responded to Roschmann's donation and arrangements were made to have the 1700 cabinets shipped in four deliveries.

The cabinets came from Acoron Display's office product line. They were discontinued after 60,000 of them had been manufactured, but it was

New Tandys in PC room

In the summer of 1984 the personal computer center consisted of 24 IBM PCs and the PC classroom in the basement of the Stuart building. Gradually, the Academic Computing Center acquired more computers which required the conversion of the old business school library into "PC 2." The new computer room on the first floor -- PC 2 -- has been operational since November of 1985. PC 2 contains 20 Zenith computers

which are IBM compatible, 5 Apple Macintosh computers, a couple of Hewlett Packard computers, and computer printers.

The most recent additions to the PC facility are: Five new printers, and 18 new Tandy Model 1200 HD personal computers with 256 kbytes of RAM Access Memory and a 10 megabyte hard disk. These Tandys are "IBM compatible."

The Tandy 1200 HD

continued on page 5

I.D. Dept. unveils space station

For some of the more fainthearted, the recent Space Shuttle tragedy has raised doubts about the future of the U.S. program in space. At IIT's Institute of Design, however, no such doubts exist. On Thursday, February 6 the Product Design students and faculty presented their concept design for the "storeage" system of NASA's space station that will be launched in 1992. The full-size model (31 feet by 14 feet in diameter) of the space station module was unveiled at 1:30 in the S.R. Crown Hall. After an introduction from Professor Charles Owen and a project overview by Chairman Dale Fahrstrom and Professor Kei Sato, representative students from each design section demonstrated the various functions and concepts of the model. Present for the demonstration were Jay Cory and Ruben Zavala, NASA aerospace engineers. William Langston, NASA Section Chief for the Crew Station Integration Section, and Dale Johnson, President of Johnson Engineering.

This presentation was the culmination of several critiques that took place last semester. Last spring Cory, an Institute of Design alumus, proposed that the I.D. faculty and students take on a research study regarding the design of the storage/living modules for the NASA space station. Later it was decided to use the research program as the basis for three upper level Product Design classes in the fall.

In November and December, final ideas were assembled and visualized in drawings and full-scale mockups. Formats for the work of the three classes varied from written and illustrated reports for the Human factors class, to product models with explanations and drawings for the Product Design class, to a preliminary environmental mockup of a hybrid habitat/laboratory module.

Faculty reductions in Lewis

by George Jawny

Recently there have been faculty reductions in several IIT departments. However, these reductions have been through voluntary faculty decisions and nobody has actually been fired. These reductions are the result of the Chemistry, Biology, and Physics departments have come about as a result of a series of directives beginning early in August of 1984.

The directives stated that as a result of budgetary problems, cuts in faculty and staff would have to be made. The number of faculty members has not altered greatly in the last two years. What has changed however, is the faculty itself. Although many faculty members have left IIT, not all of them have been replaced.

George Brubaker, a Professor of Chemistry here at IIT, said, "a lot of good people have left this university. A number of excellent researchers have left."

In 1983 and 1984, approximately $600,000 per year was donated to IIT for research. Of the six or seven people who received the largest portions of this money, three are already gone and a fourth is considering an attractive offer from another university. The Chemistry Department has been authorized to kill only two positions.

Many of those who left did so because they could not conduct business the way they would have liked to if they remained at IIT. Professor Brubaker also said that, "direct support (extra funding) from IIT is not the problem. Outside funding pays for most of the research. More/less support is what is needed." Professors doing research at other universities are allowed tighter than normal class loads to allow for extra time for their research. At schools such as IIT where all professors must have a certain class load, professors doing research spend so much time preparing for and conducting classes that they have little IT time.

continued on page 6
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Wednesday, February 12: Sears Merchandise Group, Texas Instruments, Allen-Bradley Company, Motorola.
Friday, February 14: Cigna Corporation, Underwriters Laboratory, Stanley Consultants.

Tech Entrepreneurs
continued from page 1
the marketing research project itself were designed by Tech Entrepreneurs. The group also plans to analyze the survey results themselves. Through this project, the group hopes to gain hands-on experience which they can later apply to other group projects and individual ventures.

Additional Tech Entrepreneurs activities which the Coleman Foundation funding will support include the Student Entrepreneur of the Year competition in the national Association of Collegiate Entrepreneurs (ACE) and in the Collegiate Entrepreneurs of Illinois, and the creation of a small venture capital fund for student entrepreneurs. Tech Entrepreneurs is also actively working on starting several on-campus businesses.

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Allied Research
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Donations (continued from page 1)

decided that the cabinets would be donated rather than sold at a discount rate. Roschman gave IIT the option to accept the cabinets, but this incentive for IIT to return his calls.

The last shipment arrived at UIC three weeks ago. According to UIC Assistant Dean Theresa Cann, the cabinets disappeared within hours of unloading.

Bridge (continued from page 1)

Engineering societies provided much of the manpower for the contest. With the help of junior Chemist major Joseph Zuzza, they produced a videotape on Bridging Building, gave seminars on bridge construction, and set up and directed the contest last Tuesday.

Marvelous Marvin's bridge may have been able to withstand even more than the 160 kg with which it was credited. The steel weight hangar broke under the tremendous load held up by Professor Camras's wooden bridge! The model shot 15 feet into the air and landed unscathed on the auditorium stage. However, the shock of being stressed must have weakened the structure because it wasn't able to hold 160 kg the second time it was loaded.

Dr. Camras is the Senior Scientific Advisor at IIT Research Institute and was recently inducted into the National Inventors Hall of Fame for his development of magnetic recording tape. He has been a member of the IIT community for 50 years.

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technology news

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Fannie May donates to T.E.

The Coleman/Fannie May Candies Foundation last week awarded Tech Entrepreneurs a $25,000 grant to be used to promote and extend the group's activities and to conduct an on-campus taste test and marketing survey using Fannie May Candies. The award was made under the Foundation's Entrepreneurship Learning Project, which supports local college most of the time.

Future plans include the addition of two Tektronics 4107 graphics terminals and a two-color matrix plotter. Also in the planning stage is a discount agreement with Apple Computer Corp. for Macintosh microcomputers.

NASA

(continued from page 4) and an exercise (device) along with "a window workstation" and personal space concepts developed in the Human Factors class.

Also at the presentation were the NBC and CBS local news teams. The NASA officials and several Product Design students were interviewed on-camera. The interviews were shown Thursday on the 5:00 and 6:00 telecasts.

Faculty

(continued from page 1)

no time left for research.

A technical university like IIT should carry on applied research if it is to be competitive with other universities. When such research is not properly supported, people doing the research leave. This causes a great loss to the school.

Professor Brubaker cited the example of the Planning magnet on the third floor of Wishnick Hall. The magnet cost $3 million and is operated at a cost of $15,000 per year. The project was proposed by three people, two of whom are now gone. This leaves one person running the magnet and research connected with it.

He also cited the VAX 11/750 computer in the Chemistry Department. It is the only one on campus with a Floating Point Accelerator; it costs $600 per year to operate. There is only one person running the accelerator and he is considering leaving. If that happens, the machine may have to be shut down.

Professor Brubaker also said that "a dramatic increase in the number of freshmen is not forseen in the near future. An increase in graduate and advanced study programs might become important to this university's survival. A number of the people best able to achieve this, however, have left. Projects with graduate and undergraduate students, and special projects such as the course now being given to people from the Food and Drug Administration, can continue through continuing research."
The UB Movie

**Ladyhawke**

Matthew Broderick is "Phillipe the Mouse," a crafty pickpocket who uses all of his skills to escape the dreadful dungeons of Aquila. His freedom is short-lived, when he meets the mysterious black knight (Rutger Hauer), who needs the boy to help break a curse that separates the knight and his true love, Isabeau.

Shown in Hermann Hall Auditorium
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Saturday 2/15 at 7:00 and 9:30 pm
Admission $2.00

**Next Week**

In the Bog
February 20

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At the Movie
February 20 & 22

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**Union Board Crossword**

Across
1. female sheep
2. insects that sting

Down
1. the IIT organization that brings films, bands and culture on campus
3. the organization that's looking for committee members
4. the organization that gives committee members the responsibilities and rewards they want
5. the organization you can join just by calling 567-3086 or by stopping by the Programming Office in the HUB.

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Goals

Success -- personal or professional -- doesn’t just happen unexpectantly. It comes about as the result of a series of well-planned, well-thought-out goals. Success begins with an inner attitude and the motivation to pursue your goals and culminates in performance. To find out more about the Success Process, come to the free Leadership Center workshop, “Goal Setters, Goal Getters,” this Thursday, February 13. The workshop will be held in Room 306, Hermann Hall mezzanine, from noon to 2. For more information, contact Anne Burton-Tolpin, 587-0815.

WOUJ

WOUJ will have a meeting on Tuesday, February 18 for any IIT students who would like to join the staff. The meeting will be held in the WOUJ office which is located on the Fifth floor of Main Building.

Chem Needs You!

Calling all Chemistry Majors! Co-op Needs You! We have a variety of companies who have requested Chemistry majors. Please see Cathy Robinson in Farr Hall, Room 402, 587-3589.

Sweet Stuff

Buy Sweet Things for your Sweet Thing. Tau Beta Pi will hold a bake sale Friday, February 14 from 11:30 a.m. to 1:30 p.m. in the HUB.

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VALENTINE’S WEEK IS FEBRUARY 9-15.

Relay team qualifies for nationals

Last Wednesday the varsity swim team lost a dual meet 60-52 to Lake Forest College at IIT’s Ecko Pool. Coach Matuch stated that it was one of the strangest meets, as IIT outscored Lake Forest 9 first places to 4, but still lost the meet on the last relay by 8 points. IIT had no depth backup and earned only 2 second place and 3 third places all.

IIT swimming qualified its 400 yard freestyle relay last Saturday for the national championships. Coach Matuch stated that this is the first time any IIT team has qualified one relay for the nationals. The relay is made up of Chuck Fee, Mike Meader, Fred Pailey, and freshman Patrick Grage.

Doug Lovato and Chuck Fee were elected swimming team co-captains for the ’86 season.

Coach Matuch announced that the IIT varsity team will institute a Gunnison Award in honor of Steve Gunnison, class of 78, who unfortunately succumbed to illness. The award will be given to a member of the team who exemplifies the spirit of team play and courage which Steve Gunnison demonstrated in his four years of the IIT varsity swimming team.

B-Ball beats 2nd ranked St. Francis

The IIT basketball team faced some tough competition this past week. On Wednesday, January 28th, the Hawks were defeated by St. Francis College 78-53. St. Francis is presently ranked second in Illinois in NAIA standings. The nationally ranked Wisconsin Parkside Column upset IIT on Saturday, Feb 1st 74-53. The Hawks also lost on Wednesday, February 5th to Illinois Benedictine College 96-77. Thus far in the schedule, Carey Musser leads the team with 12.2 points per game, Ryan Kirkland averaged 11.2 points and Keith Evans 15.6 points.

In addition to the above players the Hawks had another busy weekend playing three games on the road. On Friday the 7th, IIT invaded New London and on Saturday and Sunday they journeyed to Des Moines, Iowa in the “iron Lung” and played Drake University. Results of these games will appear in the next issue of Tech News.

Hockey

continued from page 8

Pappas and Bill Nixon netted two goals apiece leading the way for IIT on Sunday in Saturday’s game Robert Apter and Pappas each scored once while Himley lined two goals past the Bradley goalie.

Both games were exhibitions and not as hard fought, especially Saturday’s game, when both teams visited the penalty box frequently.

Swimming

continued from page 8

going undefeated in his freshman year in the 500 yard freestyle and in the 200 yard freestyle in his sophomore year. An undergraduate student is automatic induction into IIT’s Swimming Hall of Fame located in IIT’s Ecko Pool Gallery.

Swimming coach Dennis Matuch also added that Chuck is an excellent student too, majoring in Business Administration. He has a 5 semester cumulative GPA of 3.9 for 63 hours, and this past semester he had a GPA of 3.5 for 18 hours.
Hockey team wins

The IIT Scarlet Hawks' Hockey Team continued IIT's winning ways over the past weekend. On the 31st of January in a league game, the Hawks defeated Wheaton College 5-3. Captain Greg Dowd and defenseman Robin Himley scored two goals each, with Brian Omielcuk contributing one. Jim McGlynn turned in a very strong game in the nets, especially in the third period when Wheaton applied continuous pressure and outplayed the tired and short-handed Hawks. The Hawks could only manage to dress eleven players for the game, and to make matters worse, defenseman Mark Planter left the game in the first period with a dislocated shoulder. Mark should be out for 2-3 weeks and hopes to healthy again for the playoffs.

On Saturday and Sunday, the Hawks played host to Bradley and were anything but gracious, beating them twice by identical 4-3 scores. Rick

continued on page 7

Swimmer sets record

Junior varsity swimmer Chuck Fee set and passed the all-time varsity swimming scoring record in IIT's victory over Illinois Benedictine College last week. Chuck scored victories in both the 100 and 200 yard freestyle events and was on the winning 400 yard medley relay to give him 12 points and the all-time scoring record.

Chuck broke the four year record set by Bill Pozzollo, class of '82, whose 875 point total has lasted these last four seasons. After the IBC meet, Chuck had tallied 877 points, with still five local competitions and one NARAC National Championship meet remaining this season. In nationals Chuck has qualified on two relays and one individual event, making him the first IIT swimmer ever to take the scoring record in his junior year.

Besides his scoring record, Chuck is also the first varsity swimmer to lead two undefeated dual meet seasons,

continued on page 7

IFC B-Ball tourney

by Pieter DeVaal

The Sig Eps and the Pi Kapps met last Tuesday in a clash of two basketball titans. The Sig Eps prevailed in overtime, winning by one point. Not many details of the game are known, but the Sig Eps probably put their height and weight advantage to good use in order to win.

The Sig Eps have made it past the first two major obstacles on their journey toward the basketball championship. They have to be careful not to look too far into the future when they meet the Delts on March 4. However, don't look for anyone to upset the Sig Eps since they have too much experience and talent.

The next big game is February 25, when Pi Kappa Phi and the Delts meet in what promises to be one of the best games all year. Both teams are finely tuned machines and the winning margin shouldn't be more than eight points. If the Pi Kapps win this game, they still have a chance at first place if the Delts should happen to defeat the Sig Eps on March 4.

The Delts and Sig Eps are on top of the standings with 22-0 records. The Pi Kapps are right behind at 11-1. Other house records are unavailable.

The Delts opened their season with a 68-25 victory over Phi Kappa Sigma. Sophomore center Phil Aschbacher led the Delts with 22 points and about a dozen rebounds. Senior forward Kevin Dalton played a good inside game and backed Aschbacher well with 8 points and steady defense. Steady floor play from guards Tom Walsh, Ron Simek, and Paul Michaels also contributed to the victory. Guard Paul Nykaza led the Phi Kapps with an excellent play. Triangle was the next opponent for the Delts. Phil Aschbacher led the Delts with 20 points on 11-11 shooting from the floor and 2-2 from the line.

Four freshmen also broke the scoring column, led by Phil Learer's 3 points and Brian Branda's perfect floor shooting. Seniors Paul Michaels and Kevin Dalton played their steady game as the Delts cruised 63-22.

In other action, Alpha Sigma Phi knocked off Triangle 33-30. The Alpha Siggs could well be the surprise team of the year.