CS Goes to Armour
by Charlotte Kotowki

A recent proposal to move the Computing Science Department from the Lewis College of Science and Letters to the Armour College of Engineering was presented in President Martin's COMFIT '85 plan. The suggestion is presently being reviewed by a committee and is expected to be submitted to IIT's Board of Trustees for approval by mid-November.

When asked for his reaction to the proposal, the Computing Science Department Chairman, Dr. Robert Carlton, expressed cautious approval. He stated that there are, of course, questions that arise. Carlton pointed out, for example, if the proposal is approved, will there be curriculum changes in the department itself? Further, will many constraints be placed on the department by the College of Engineering? These questions can only be answered through time.

Dr. Carlton also sees positive points to his proposal. He states that computer science has its foundations in both math and engineering. Therefore, this change could be beneficial to both the computer science students and the engineering students. Dr. Carlton views the plan as benefiting his department by possibly making it easier to obtain research funding. The change can also result in good publicity for IIT. Strong Engineering schools usually have a strong computing component. Finally, he claims, "We feel the Computing Science Department that is essential to IIT, and that will be successful in Engineering."

The Dean of the College of Engineering, Dr. Andre Varcour, was enthusiastic about the plan. Although there is still some room in computer science for theoretical work, he feels that computer science is now ready to be placed in the College.

Chang Develops MRTS
by Fred Paffy

For some time, Dr. Shi-Kuo Chang, chairman of the Electrical and Computer Engineering Department, has been developing a tutorial remote teaching system. Remote teaching systems are video networks (such as IITV) that allows professors to step on campus while teaching classes to students at remote sites. Dr. Chang's new system, Multimedia Remote Teaching System (MRTS), adds a new dimension to remote teaching. MRTS is a two-way, real-time video network with remotely operated video cameras. In the present network, there are two MRTS sites - one at IIT and one at Bell Labs. Each site consists of a video camera, video screen, and a personal computer with modem. The sites are linked using two telephone lines. One line permits an audio hook-up, while the second line links the computers.

The video cameras, controlled by the personal computers, are used to project images from one site to the other. Professors can send images to the students, and vice versa. At the same time, students and the teacher can communicate vocally via the audio hook-up.

The present remote teaching system employed by IIT is IITV. This type of system is a one-way video transmission (teacher to student only). IITV was one telephone line for an audio hook-up and also requires a coaxial cable network with a microwave link. The initial cost for this system can be as high as $250,000. MRTS, on the other hand, costs only about $6,000 and is easily installed since only two telephone lines are required.

Railroad Assoc. Interacts with IIT
by Jaltan Jordan

The American Association of Railroads (AAR) is a non-incorporated, non-profit trade association. It consists of 800 companies, with about 100 in Chicago, 300 in Colorado, and the remaining 400 in Washington, D.C. The purpose of the AAR is to make up the several cargo-carrying railroad companies united in research, to study how railroads may be advanced and improved. The problem is how to improve conditions in the railroad using the current resources. To handle this problem, they have two specialized divisions, the technical and the administrative levels.

The technical levels' objective is to find, through research, how they can improve railroads for their contributors. They want a plan which will benefit all. For example, if they want to prevent derailments, they will research their causes so that they may be prevented in the future. This information is then revealed to all railroads belonging to AAR.

AT&T consists of many divisions throughout the country, recruiting engineering, computer and applied sciences, and business administration majors. Openings for engineers are available for those with a BS and/or MS. Engineers who are hired with a BS degree are required to earn their master's degree. AT&T offers two programs to continue on page 3.

Supercomputer Seminar

On Wednesday, October 23, Dr. Larry Smarr will be giving a seminar on the applications of supercomputers in research. Dr. Smarr is a professor of astrophysics and astronomy, and the director of the newly created National Center for Supercomputer Applications at the University of Illinois at Urbana-Champaign. He is an internationally recognized astrophysicist, and a pioneer in the efforts to gain supercomputer power for research in American universities.

The supercomputer can be used to simulate increasingly complex, realistic phenomena. Two research applications of the supercomputer that will be presented are the study of the supernovas gaseous jets and the phenomena of hot gas and shocks that cause a number of recent airplane accidents. The necessity of using computer imaging of results will also be emphasized.

Recruiters Speak at IEEE
by Denise Sengovil

IEEE Secretary

On October 10, IEEE welcomed speaker Pat Taska and Ronald Rodriguez from AT&T. Pat Taska is an ITT alumnus in charge of recruiting at IIT. Ronald Rodriguez is the director of recruiting for twelve AT&T divisions. Mrs. Taska spoke about the career opportunities at AT&T. AT&T offers two programs to continue on page 3.

No More Smoking in HUB Areas
by Jaltan Jordan

Sometime in the near future, part of the HUB cafeteria will be designated as a non-smoking section. This area is located in the northwest corner of the HUB, bounded by already-standing partitions. The non-smoking section will be clearly marked with "table tent" signs, posters and banners.

The idea of a non-smoking section was first brought up by an ATS student forum, increasing student and faculty opinion in favor of a non-smoking section. A plan was developed for there to be someone watching the area for the first few weeks to remind smokers that the area is now exclusively for non-smokers. The ATS assembly felt, however, that the signs and posters would suffice. The assembly feels that the non-smokers would self-police the area.

"As it stands now," said Kitazoe, "there are enough non-smokers that would frequently use the area to make it a permanent addition to the cafeteria. ATS is keeping a close eye on the situation to see how the students react. If the students really like the idea, it stands a chance of being expanded, hopefully, to the lounge. For now, the cafeteria section is a great start."

Restrictions on campus parties and drinking

Sorority and fraternity sympoest attendees at Tech Expo held last Thursday in the HUB ballroom. Photo by Bill Johnston.
College Work-Study Funds are now available to eligible students! If you applied for financial aid and are interested in working on campus, please contact Ann Harrison in the Office of Financial Aid, 212 Main Building, 567-3303.

Interviewing on campus October 31st.
Contact the Placement Office

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Supercomputers

Dr. Larry Smarr, astrophysicist from the University of Illinois/Champaign-Urbana, will give a seminar entitled "The Supercomputer: Partner to Experimental & Observational Sciences," on Wednesday, Oct 20 at 4 p.m. in the Crawford Auditorium in E1. Refreshments will be served at 3 p.m. This announcement goes on behalf of the American Institute of Aeronautics and Astronautics.

Don't Forget...

The Counseling Center Workshop this week, "Motivation Techniques," will be on Tuesday, Oct 22 from 1:15-4:35 in room 105 of Farr Hall.

Fun Bus

On December 29, 1985, the IIT Athletic Bus will leave for Florida with 21 IIT students to watch Florida State vs. Miami. For only $100 you can be basking in the sun while your fellow students show off. The bus will drop you in Ft. Lauderdale and pick you up on January 30. Seats are few so don't miss this deal of a lifetime. Reserve your seat early, just call the driver and tour guide Mark Panetti at 225-4169 or ext 2938.

CTA Passes

CTA passes will be for sale in the Main Carriage office from October 28 to November 2; that's only 5 days, so purchase your pass early!

Scholarships

All sophomores, junior, and senior women students are eligible for one of 2 $750 scholarships for next semester. Applications will be accepted until November 15.

ATS Meeting

The next ATS (Association of Tech Students) meeting will be held on Tuesday, Oct 22 from 1:25 in the HUB mezzanine. All ATS members are invited and encouraged to attend.

Interview Blow-offs

Students interviewing in the Placement Office are reminded of the Placement No-Show Policy. No-shows include: (1) Failure to keep an interview appointment at the proper time without notifying the Placement Office in advance, and (3) Cancellations made less than 24 hours prior to the interview appointment.

JIT Games

Find out who holds world dominion. Come to our weekly meetings at 12:15 on Wednesdays in the HUB mezzanine. Don't miss our Diplomacy and other strategic games.

CS to Armour

continued from page 1

to that of an Engineering Department, and then to the Natural Sciences. He predicts that, as time goes by, engineers will need more exposure to more and more computer science and their applications. Dr. Vacour hopes that this proposal, if approved, will help the computer science faculty and the engineering faculty work closely together so that they do presently.

When asked about change being made in the Computer Science Department after it is incorporated into the College of Engineering, Dr. Vacour said that he does not expect any major changes. "Our Computer Science students were involved in the decision-making process, and we will just continue improving it, not changing it," he stated. In addition, he does not expect any major changes in the computing requirements in Computer Science. Lastly, Dr. Vacour emphasized that the main reason for the change is that Computer Science and Engineering will be more closely affiliated if the plan is approved, thereby improving the cooperation between the two departments.

Supercr...
Ed Sabas

I write this article at a seemingly low point in the American press coverage of South Africa. It is free of emotional appeals and fashion the self-righteous, self-indulgent statements. First, I would like to point out that the hypertrophy of criticism South Africa has made. The first is the hypertrophy of criticism. It’s not just the fact that South Africa is being criticized for its human rights record. It’s because the world is watching. The second mistake is that in the world’s vast number of oppressed states, South Africa is not the first one that it oppresses a whole or part of its people. South Africa is unique and that moral evil that it requires transcending all normal rules of international law to do it. If it does not have the Soviet Union be a more desirable candidate for this treatment? What is the even more amazing is that we do this to an ally, not an enemy.

There is no important comparison to be made between these two oppressive states (South Africa and the Soviet Union). It is important to consider that the administration to go on the offensive. For there has not been a single voice that has even been able to convincingly defeat Ronald Reagan. After the initial sharp focus on South Africa, the President has been doing nothing.

The second mistake I believe critics have made is not only singing out South Africa, but automatically comparing it to the United States and our position is that the comparison would be to contrast present day South Africa and present day United States. Of course slavery was a part of everyday life. Were we less of a democracy 100 years ago when we too not only denied Blacks political rights but also human rights? Were we not better off when we had a policy of exterminating the American Indian from his land? Were we not worse of a democracy back then, but nevertheless a democracy. So is there a Goethe or a South Africa. One must though, first clarify that a democracy is not just a system where we are not something that happens overnight. It took us 200 years to achieve our status! And still our Blacks have not become equals with the rest of the American society. It can be easily argued that South Africa is not a democracy. They are still the cartel of a privileged few. But we are certainly not equals in a political sense. How will you quickly we are doing in our own history and become the "holy" moral watchdogs of our friends and allies.

An important question to ask is, would our nation have suffered had our allies and friends would have publicly criticized and economically sanctioned us? What is it that destiny of slavery and our civil war? How do you want to be left out of this conversation? Who won't it serve everyone's purpose by suggesting that a better state in the better of an ally instead of attacking politically and economically the country? The whole thing around the issue of radical measure? Once again it has been made clear that it is a very easy task to be of any external pressure. But also strengthening the tool of food as a weapon. Where is the moral outcry and economic stand against this? Our response is to have a rock concert to raise money and food for the poor. In the mean time, they erect political barriers for the disfranchisement of the blacks. It is there that the only carbon of their own moralistic objectives, brilliant.

Referring to South Africa, the fact is that Blacks all over the continent to South Africa for jobs, food and money. For all its faults, has produced the only large Black middle class on the continent. Education, Blacks don't have it nearly as good as the Whites, but when you compare it to their neighbors. The number of Blacks is growing. The marginal education is about to pass the White total, combined with the university of Illinois, Masa-chusets Institute of Technology, and Carnegie-Mellon University. The joint research program is designed to work closely with the Metallurgical and Engineering departments. The goal is to create a technology that is cheaper and more energy efficient. This is a plus for IT and AAR, who can now graduate and undergraduate students to help. They separate them into these three levels: updating databases, computer programming, and assistant researchers. This style of working with AAR provides a job for IT and students enable AAR to "keep our past, present," says Roddy.

Roddy also stated that right now, AAR is in a good financial position. Because the railroad business is circular and some companies have had been getting more business, so has AAR. In fact, Roddy happily says, they're getting into some "pretty fancy stuff."
Sun-Dippers of the Red Nebula
A Penny Gillette Adventure - Episode 3

So, you think you're smart?

I'm starting to get a little suspicious. Of all those who turned in an entry (except those who were disqualified for having no class and turning in four different answers) every one was correct. Either you all are incredibly smart, the puzzle was very easy, or you know where we get these puzzles. Anyways, here is:

The puzzle:

Four men and four women are shipwrecked on a desert island. Eventually each one falls in love with one other, and is himself loved by the person. John falls in love with a girl who is, unfortunately, in love with Jim. Arthur loves a girl who loves the man who loves Ellen. Mary is loved by the man who is loved by the girl who is loved by Bruce. Gloria hates Bruce and is hated by the man whom Hazel loves. Who loves whom?

And the people with the answers...

(roughly in the order we received them)

Eddie Lau, Allison Jackson, someone who forgot to sign their name, Steve Shlimkus, Randy Chilcutt, Mak-Grigor, Salakhrishnan Subbaraman, Terry Tse, Eillian DeLeon and Joan Benez (who think they really are smart), and Mohammad Ali Ahmed.

Special Mention:

Bertrand Fegg, who also proved that Jim could love Arthur. You friends must be wondering about you, Bert.

This week's puzzle:

Grsmk kxqgob sc mybbmbrd?
(a) Yifsyecevxy drrsc yyo.
(b) Prybbqod.
(c) Iye kbo k ayvn geoccob.
(d) Kxydrok sxknoaekdo kddowdz.

Name:

Solve this puzzle and, once again, you could win the thrill of seeing your name in print. Turn in the answer to our offices on 5th floor Main Bldg by noon, Thursday, October 31. (Anyone turning in four different answers will be shot, as well as being disqualified from the competition.

Note: There is still plenty of time to enter your pictures for the challenge announced last week. As of now, there is one entered. Please, we need these pictures. Save us from a fate like this picture all ready to go, but unfortunately, I had to go to Iowa for the weekend, and in my absence, it was changed. The original picture will be in next week's Challenge. And for all those who asked: No, nobody turned in a caption for that stupid picture. And, quite frankly, I hope nobody does. If they don’t, I can hit the person responsible for putting that picture in.

IEEE get a MS. If a newly hired employee graduates in the spring semester he will work for AT&T during the summer and in the fall will be required to go back to school full-time to work on his masters. Another program offered to employees is earning a masters degree while simultaneously working part time and attending school part time.

Last week AT&T interviewed at Tech Expo. If you did not get a chance to interview AT&T will be back on November 14 at the placement office. Since AT&T is divided into two recruiting teams, Communication and Research & Development, interviewing with either team will enable you to be considered for employment with all divisions of this team. For example, students who sign up for interviews with the R&D team will be considered for employment at AT&T Bell Laboratories, AT&T Information Systems-Sandia, and AT&T Engineering Research Center. For more information on AT&T, it is advisable that you visit the placement office, where literature describing the divisions is available.

IEEE will have speakers from McDonnell Douglas, Dow Chemical, and Square D. Company throughout the rest of the semester. All meetings are held Thursdays at 12:10 pm in the Siegel Hall auditorium. All students, members and non-members, are invited to attend.
Union Board's Movie of the Week
He's been chased, thrown through a window, and arrested. Eddie Murphy is a Detroit cop on vacation in Beverly Hills.

Next Week
Halloween Special on the HUB screen
Cat's Eye
October 31, November 2
in the HUB Rec Center
9-Ball (Pool)
October 29

This Week's Band in the Bog
Studebaker John - and - The Hawks BLUES
featuring... Fast Eric Sampson playing guitar by audience demand

Shown in the HUB auditorium
Thursday, October 24 at 5:15 pm
Saturday, October 26 at 7 and 9:00 pm
Admission $2.00

Tuesday, October 22 at noon
Chess Tournament in the HUB Rec Center

Congratulations to Karl Slusser, Rick Tsang, and Francois-Rene Raziel, newly appointed members of Union Board.

Tuesday, October 22
in the Bog
IIT Jazz Band
9:00 - 11:00 pm free admission

Dynamic, exciting, electrically charged, and get down soulful. The music of Studebaker John and the Hawks ranges from hot harmonics and soulful vocals to throbbing bass lines, screaming guitar, and drums with a driving beat. Together they unite to bring fire and feeling to music in the Bog.

Thursday, October 24
9:00 pm
$2.00 cover
Crackdown on Campus Drinking

(CPS) — Police officers “have the right to make noise complaints, and have just walked in, and started carrying people,” complains Mike Forman, Interfraternity Council President at Bradley University. “They do not have the right to do that without a warrant.”

They may in fact have the right, and colleges across the country are using it more to keep a much closer eye on students this fall as the nationwide crackdown on student drinking begins its second year.

Some critics fret the Pineapple Swim Meet

The varsity swimming team, will hold its annual pre-season interquartile competition this coming Tuesday, October 22nd at the 11th Floor of the Pool. The meet is intended to prepare both swimmers and fans alike for the upcoming varsity season.

Last year’s winner, Mr. Melee, held for the number one spot, but he will be challenged by Junior Chuck Fee and All-American Diver, and Junior Doug Lawett. Local newcomers may also challenge Fee’s second win, with freshmen Matt Fernandez, Patrick Greaves, David Hathaway, and Steve Martin all getting in great shape for the coming competition.

The meet starts at 2:00 pm and a certified Illinois swimming official will conduct the meet according to NAIA rules.

The Hawks first varsity competition will be on Saturday, November 2nd against Millikin University in Decatur, Illinois. Millikin was ranked 10th in the NCAA Division III National Championships last year, and is expected to give the Hawks one of their greatest challenges this year.

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Pepperoni
Onions
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Chili
Peporconcinis
Cucumbers
Cheeses
American
Cheddar
Monterey
Swiss
Nacho
Mozzarella

Good for one
Smorgas-Bog-Burger
A third pound burger topped with your choice of 3 or more toppings for $2.35

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Pepperoni
Onions
Black Olives
Chili
Peporconcinis
Cucumbers
Cheeses
American
Cheddar
Monterey
Swiss
Nacho
Mozzarella

Good Thur 10/30/85

The Hawks open at McKendree College on November 16th. The first home game is November 27th at Roosevelt University.
Soccer Team Victorious

The soccer team's undefeated streak now stands at six games due to their recent victory over St. Francis College 2-1 and their draw with Wisconsin Parkside 1-1. In the past six games, IIT has chalked up four victories, two of which were shutouts, and two draws.

In their game against Wisconsin Parkside College, ranked 17th in the nation, the Hawks, currently unranked, played their short-pass offense to perfection and totally outplayed Wisconsin's soccer powerhouse. IIT's offense was physical and at times, brutal, holding Wisconsin's offense by a leash and denying them many goal-scoring opportunities.

The Hawks drew first blood as junior forward Mike Grabinski hustled his way past Wisconsin defenders, picked up a loose ball mishandled by the goalkeeper and placed it in the net. However, Wisconsin evened the score in the second half on a penalty kick which was awarded to them on a very controversial call. This gift goal did not overly upset the Hawks since they have run into many "home-town" referees in their season thus far. Instead, they kept up their intensity and held Wisconsin scoreless despite the referee's efforts, for the rest of the game and the 20 minute overtime period.

Hawks Crush Rosary

In their only match this week, the IIT volleyball team defeated Rosary College. Rosary College proved to be no threat to the Hawks as they cruised to an easy three set victory 15-7, 15-11, 15-8. The Hawk's record now stands at 21-4 and they are ranked second in the NAIA District 20 Conference. The next home match is Tuesday, October 22 against Olivet Nazarene at 7:30 pm. Come out and watch some high-powered volleyball and cheer your winning Hawks to another victory.

Although the score was 2-1, St. Francis College proved to be no threat to the Hawks. The field conditions were poor but the Hawk's patented short-pass offense prevailed and dominated most of the game. Junior midfielder Juan Zuñiga was the star of the game, scoring both of IIT's goals. Juan scored his first goal on a cross from fullback Francisco Damiano on a freekick. His second goal was a rocket, shot from 15-yards out that dipped below the crossbar. The Hawks last home game is on Wednesday, October 23rd against DePaul University.