Nigeria featured

by Jacqueline P. Jones

We are entering the eighth of our eleven week "One World, Many Cultures" program. During this week Nigeria will be featured. Nigeria is located on the southern coast of West Africa. The topography of this country is very unique. There are four East-West regions that combine to form Nigeria. Each region has a different structure, we have 1) a coastal mangrove swamp 50-100 miles wide, 2) a tropical rain forest 50-100 wide, 3) a plateau of savanna, an open woodland, and 4) a semidesert in the northern region. These all combine to create the republic we call Nigeria. This type of variety is not found anywhere else; we include the entire United States, and here we find all in an 55,569 sq. mi., which is by the way, only twice the size of California.

Monday, March 26.
Nigerian pastries will be on sale in the NE corner of the HUB from 12-2.

Tuition hikes top inflation

(CPS)-Tuition at many schools throughout the country is on the up and up promise to go up much faster than the inflation rate, according to scattered reports from administrators around the country.

Schools as diverse as Loyola of Maryland, Metropolitan Community Colleges of Kansas City, and the universities of Missouri and Rochester have already announced price hikes for next year that are more than double the current annual inflation rate of 4.6 percent.

New Hampshire, the State University of New York system, Syracuse, Lehigh, the Georgia State system, Maim, Kentucky, DePaul, Oklahoma, New Mexico.

Security to improve

The Association of Tech Students, IIT's student government, sent representatives to meet with Mr. Doto Mehrabian, a campus police officer recently to discuss concerns over campus security.

In what was deemed to be the most productive security meeting thus far, AIS was able to obtain clarification on several issues which students have complained about.

One of the biggest areas of concern has been the campus escort service. It appears as though no one was ever quite sure as to the procedures regarding this. The escort service DOES exist, however, as Mehrabian states.

Student's robot earns award

by LaMonica Threat

Students from 25 foreign countries will offer samples of their native lands and cultures at IIT's International Festival '84 on Friday, April 20th, from noon to 10 pm in Hermann Hall, Administration Building.

Booth exhibitions will feature food, clothing, jewelry, photographs, posters, and many other items and artifacts representative of each country's lifestyle.

In addition, there will be a special entertainment program, beginning at 8 pm, featuring West Jamaican Folk Dancers, the

Muntu Dance Company, an International Fashion Show featuring ten countries and a classical Indian Dance Co., just to highlight a few events.

Some of the countries participating in this year's festival will be Vietnam, Jamaica, Luhusia, Turkey, Puerto Rico, Switzerland and the ten countries featured during the one World Many Cultures program - China, Greece, Italy, U.S.A., India, Jordan, Mexico, Nigeria, Pakistan, and Poland. So don't you dare miss it! For further information, contact the Programming Office at X0679.

"It is not a taxi service." In other words, if anyone wishes to be escorted for a legitimate reason (darkness, handicap, etc.) the campus police will provide this service. A written policy which hopefully eliminates inconsistencies is now being drafted.

Improving late night security, in Stuart Building, hiring additional staff (possibly students) to assist in the campus police office, and various problems with parking lot signage and street lights were also discussed.

Students are reminded to report all crimes and suspicious behavior to the campus police (X3333 for emergencies, X3334 on page 2).

Volume 116, Number 8 Illinois Institute of Technology
March 26, 1984

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Mary Driolo

On March 3, 1984, Mark Wicher, an IIT senior in mechanical engineering, was presented the Lockwood Award for Robotics, as well as First Place in the Futuristic Design Category of the Engineering Open House Competition held at U. of I. in Champaign.

The winning entry was a computer-controlled robot, designed by Mark, and built by him and four other engineering students from another school. The robot, sometimes known as "Jezbel", stands 4'6", is 2' wide and weighs 120 lbs. It is housed in plexiglass and aluminum and has been described by more than a few observers as "one good-looking robot." When necessary, Jezbel moves at a rate of 1 km/hr, and she can speak. Designed to be educational as well as entertaining, Jezbel lights up and displays her internal features as she explains her functions. The robot can sense objects ultrasonically, and she sometimes talks to them. Her habit of talking to walls will be eliminated when sensors to detect visible and infrared light, that will enable her to determine the presence of humans, are employed.

As for further improvements, Mark believes that she could use an arm, and that better software can be created to simulate artificial intelligence. As of this writing, Jezbel is still relaxing in Champaign. When she returns, she will reside with Mark, where she will share a room with an electric train set. In her free time, Jezbel enjoys computer-generated music and video games and she would like to learn ballroom dancing. Her newest hobby, however, may be drama. While in Champaign, she auditioned for a role in off-Broadway play about a famous society contract details are still to be worked out. In the meantime, Mark would like to construct an automated pet dog to protect Jezbel from the curious young deviates she meets at the playground.

The robot idea began out of a desire to learn something interesting and useful, but even more so, it provided a challenge.

News of the competition motivated Mark and his friends to spend more time working on it to complete construction by the deadline. Besides many hours spent on research, design and actual building, parts came together...
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The FBI is continually searching for qualified engineers for Special Agent and support positions. Recent graduates as well as experienced professionals are desired.

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The FBI’s responsibilities are broadly divided into areas of counterintelligence and criminal investigations. During this time, the Special Agent/Engineer may be assigned to an investigative squad as a case Agent or to a technical function providing support. This support enhances the effectiveness of the investigator, and includes all aspects of technical investigative aids. The nature of our investigations, often involving risks to human life and national security, requires that we remain at the leading edge of technology. Responsibility can be very challenging and frequently requires innovativeness and resourcefulness. Special Agent/Engineers participate in a variety of investigative assignments for the first three years. After three years of field experience, the Special Agent/Engineer may be transferred to FBHQ as a supervisor in the Technical Services Division.

Interviewing on campus April 5th.

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The Commons

You saw parts I and II, now it’s—

The Challenge

3-D

Puzzle 4

Express, in simplest form, the quotient:

\[
\frac{x + x^2 + x^3 + x^4 + x^5 + x^6 + x^7}{x^3 + x^4 + x^5 + x^6 + x^7 + x^8 + x^9}
\]

(This one is so simple.)

Let’s get those entries in, accompanied by your name, phone, and address, to Tech News, 5th Main, by noon April 6, 1984.

Solution to Puzzle Three

\[
\frac{-4b^2 - 10b - 4}{b + 4}
\]

\[
= \frac{b^2 + 10}{2b + 1}
\]

The sum of all possible values of b equals 5.

The Winner!!! Matthew Bauer

The winner can claim his prize at Technology News, 5th Main, within one week.

Happy Birthday, Islam (P.L.O.), and Tom.

(You’re both true disco kings.)
announcements

Save a life

If you ever wanted to learn how to save a life, here is your chance. You can learn CPR by taking a CPR course which will be held on Wednesday, March 28 and April 4, from 6 p.m. - 10 p.m. To complete the course, you must attend both sessions. Registration is Monday and Tuesday from 12-2 in the Northeast corner of the HUB. For more information, contact Joe Bandemer in the rec center (X3079).

Bible study (cont.)

"The Bible and You Today" study-prayer group resumes meetings on Thursday, March 29, at 12:25 p.m. in the Field Room of the HUB. Reflections on the Letter to the Ephesians continues.

Technical values

The Technology and Human Values planning group for a forum on changing issues in student values and human nature will meet next Tuesday, March 27, at noon in the room corner of the HUB. There will be readings from leading Technology and Researchers on the role of human values on Technology.

Open chapel

There will be a worship service of the word and Eucharist Communion will be celebrated for all Christians on Sunday, April 1, at the IIT chapel.

Professional ethics

The tenth annual distinguished Lecture Series on Ethics for Health Professionals will be held Wednesday, March 28, from 12:30-1:30 p.m., at the University of Illinois-Chicago campus. The lecture will feature Dr. Paul Starr, Professor of Sociology, Harvard University. The public is cordially invited.

Graduates admitted

Applications are now being taken for both summer and fall 1984 for admission to the School of Advanced Studies. The deadline (for submitting an application for regular graduate status for Summer 1984 is May 1. The deadline for submitting and application for regular graduate status for Fall 1984 is July 1, 1984.

Not all programs admit during the summer session, so please contact the specific department of interest for information. Applications and catalogs are available at each academic department and the office of graduate admissions, Perkins 222. For more information call Graduate Admissions at X3020.

Aerobicize

PM Fitness offers aerobic exercise classes for all interested participants at the IIT Chapel. Classes are held Monday and Wednesday evenings from 5:30-6:15 p.m. For more information call 899-0001. Come join in and get fit before beating out your weather is here.

Foreign aid

Students of Greek and Cypriot origin are invited to apply for financial assistance from the Makarios Scholarship Fund. For more information, come to the International Office, room 103, Farr Hall.

Wanted: Umpires

The IIT Women's Softball Team needs umpires for their home games. Call Dennis Hull or the coach, Blake Davis, at 842-0465 if you're interested.

See the light

The IEEE presents Bruce Bailey from Bell Labs for a talk and slide presentation on Fiber Optics Thursday, April 5 (postponed from March 29) at noon in room 101 of the Stuart Building. Members interested in becoming officers for next year should attend. Elections will be held April 19 in room 104, Stuart Building at noon. Members interested in writing papers or starting projects next year should come and discuss their ideas.

B.S.O. and resumes

The Business Student's Organization will offer the Business oriented students an opportunity to utilize the meetings in a way of becoming familiar with various business professions. If you are interested in the following: A Resume Booklet, Professional Seminars, or active input into Stuart School's, a vote in the Business Organization, meeting IIT's business faculty, please attend the meeting.

To become a member of the organization, contact Rachel Rupp (secretary) at X3232. Dean Joel Goldberg will speak at the group at the next meeting, Tuesday, March 27, room 111 Stuart Building at 12:30.

International Fest

We are in the process of planning another great International Festival to be held on April 20, 1984. Any foreign students' organization or group of foreign students wishing to obtain a booth to represent their country's culture, please attend the meeting this Thursday, March 29th, 1984 in the Field Room at 4:00 p.m. If you are unable to attend, stop by the Programming Office and pick up registration forms.

Need a job?

The Placement Office in conjunction with the Counseling Center will be sponsoring a series of employment workshops during the remainder of the semester. Workshops will be held in room 408 in Faer Hall from 1:00 until 4:30 p.m. on the following dates: March 27, April 3, 10, 17, 24, May 1 and 8. Topics to be covered include: Resume Writing, Interviewing Skills, and Interview Practice.

If you are interested in summer or part-time employment you are strongly encouraged to attend this informational session.

International fun

The International Visitors Center of Chicago will hold its annual Lincolnland Weekend on April 27-29. International students who have participated in this event in the past agree that it is one of the highlights of their lives in the U.S. Students will stay with individual American host families while visiting Springfield, our State Capitol, and other rural areas of Illinois. The cost to the student is only $40, which includes meals, transportation, and accommodations.

Civil trip

Some ten to 15 IIT Civil Engineering students will travel by charter bus, Tuesday, April 3, to visit the F.M. Weaver of Illinois steel fabricating shops in Melrose Park.

Robert Wickliff, senior in CE and contact for the ASCE student chapter, is organizing the tour in conjunction with Dr. John O'Leary, assistant professor of CE. Bus lunches will fortify students for the trek through the fabricating shops.

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Augsburger. "Ranked at the top of the list of all domestic American beers."

The Great American Beer Book

ATS meeting: security upped continued from page 1 otherwise). and to also file a Chicago police report if possible.

In other news, ATS is also attempting to bring back the Pass/Fail option since an overwhelming number of students have requested this. ATS also plans to distribute their own teacher evaluation forms which they will collect, compile into a booklet, and make available to students.

College Bowl is currently the association's largest project. Teams will compete on Wednesday, April 4th from 4 p.m. on in the south west corner of the HUB. Everyone is invited to come and see how much IIT students really know (or don't know).

For more information on any of these subjects, or if anyone wishes to voice any complaints, they are encouraged to attend the next ATS meeting. Tuesday, March 27, 1:00 p.m. in the HUB.

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Augsburger. "Ranked at the top of the list of all domestic American beers."

The Great American Beer Book
Branit: Superman beware

by Jim Branit

I'm not Superman, but I think I can say with some confidence that his presence is more likely to make the world a better place for all of us. What he stood for, what he believed in, what he did for his fellow human beings, is the stuff that makes America great.

I'm not saying that Superman is the answer to all our problems. But in a world where we often feel alone and isolated, his message of hope and heroism is one we can all relate to.

His values of truth, justice, and the American way resonate with us all. And even though he may have been a fictional character, he reminded us of what it means to be human.

So let's celebrate this day, and remember the lessons of hope, courage, and compassion that Superman taught us. And let's strive to be like him, in our own small ways, to make the world a better place for all who live in it.
Tuition hikes up continues from page 1
$1000.00. This will be somewhat offset by the $600.00 in prize money.

One of Mark's future plans is to have his own computer which will enable him to do research as well as special display advertising purposes. When asked about his plans for the future, he said, "I plan to go to college and work on my project. Mark commented, "My main goal is to get a good job." He also mentioned that if he could, he would like to travel around the world. The computer will help him with his research and will enable him to communicate with other computer users worldwide.

Robots win award continues from page 1
and to try to recover from the sky-high interest rates of the recession. "Colleges got killed when interest rates were 18 percent," explains Dr. Gary Quash of the Congress of Independent Colleges in Washington, D.C.

"We have not bought up with budget cuts," adds Dr. James Quinn, Washington State's registrar. "We've not yet recovered." Pondering why tuition rates should exceed the inflation rate, Meredith Ludwig of the American Association of Colleges and Universities says "speculation" is that the increases are to take care of things that have been put off for a long time.

One long-delayed piece of housekeeping is faculty compensation. Recent studies illustrate college teachers' buying powers are now lower than they were in 1973, thanks largely to a decade of high inflation touched off by the Arab oil embargo of 1973. "Faculty salaries haven't kept up with inflation," Quash observes. "We've been playing a catch-up game. "Our salaries are basically in the cellar by national standards," says Richard Rhoda of the Tennessee State University and Community College System. To bring them up, Tennessee colleges hope to hike tuitions by as much as 10 percent for next year, while the state legislature-predicts increasing state higher education funding by 12 percent. Rhoda notes.

Nationwide, state support for colleges has risen 14 percent in the last two years, according to Dr. M.M. Chambers of Illinois State's planning and budget director. "The state is paying a bigger share of state higher education funding. "But those average increases appear to be just enough to compensate for several cutsbacks in the amount of money campuses received from the federal government since 1980. Consequently, many schools are now asking their students to pay a higher percentage of what it costs to educate them.

Administrators figure it's "reasonable" for tuition to cover about 25 percent of the cost of education, with state, federal and private mortgage payments for the rest, explains Joseph Marks of the Southern Regional Education Board. But recent audits in 14 southern states, for instance, found tuitions covered only about 19 percent of a student's annual education costs, Marks says.

The study concluded many southern states need to raise tuition rates rapidly.

"West Virginia students now pay 71 percent more in tuition than they did three years ago, although their rates were relatively low at the time," Marks says. The University of Georgia has imposed 15 percent tuition hikes this fall, according to state tuition reports, and Louisiana State has hiked tuition 18 percent over two years to bring student contributions up to near the 25 percent mark.

Yet at Washington State, students already pay 33 percent of the costs of their education. "You can really look at it in two ways," suggests Dennis Martin of the National Association of Student Financial Aid Administrators. "You can look at it as raising tuition at two or three times the inflation rate, and you can wonder how people figure what the inflation rate is," he says. "or you can see that the percentage (tuition) increases for next year are much lower than last year's.

But no one is predicting increased stop-alignment of tuition in the future, even when faculty salaries are improved and budget cuts are ended. "I don't think that's going to happen," says Roberts Lyle of the University of Arizona. "The costs of education, students are continually going up."

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TIME: 11:00 - 6:00
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Bog concert

Simon and Bard

by Kevin Eng

Union Board started off right this half of the semester, musically speaking that is. Last Thursday night brought the return of the Simon and Bard Group. Simon and Bard is a four-piece ensemble which specializes in jaz fusion.

Mike Bard, who plays the wind instrument, and Fred Simon, who plays the keyboards, lead the band. To back them up, they have Ken Haebich on bass and Phil Gratteau on drums. The band has played with such greats as Kiri Towner and Larry Corrello. They played in the ranks of these people and are destined to join in their popularity.

The style of the group is hard to describe without analogies. They struck me as a combination of The Pat Metheny Group, Shadowfax, and the Yellow Jackets. Simon and Bard’s music has the intensity and charisma of Pat Metheny. The style and intricacy of the music is characterized by Simon’s delicate keyboard playing. The band’s extensive use of the wind instruments reminds me of Shadowfax. Mike Bard usually took the lead and was in the spotlight most of the night. The lyrics that he played attracted the audience’s attention immediately because of its sound and the stylish way he played it. The flavor of the Yellow Jackets came in when it came to the tempo and funk of the music. The music was rather upbeat and always on target.

The musicianship in the group was near perfection. There was not one sour note throughout the whole evening. The members of the band were perfectly synchronized with each other. Gratteau impressed me with his very active drumming. He didn’t just kick out a beat, but added to the music as much as a guitar or synthesizer would.

Haebich also followed in stride and with the same high quality. With this much talent in the rhythm section, both Simon and Bard had to play to the limit to keep up with them.

The band really had no on-stage interplay with the audience. It seemed as if they were totally devoted to creating the music. The music they created was celestial and uplifting. Those are pretty hefty adjectives, but the band deserves them. Their new album will come out this week and its called “Enormous Radio.”

NEW VINYL

Parson’s Ammonia Avenue

by Kevin Eng

In 1967, Alan Parsons heard the album “St. Pepper’s Lonely Hearts Club Band.” The album sparked off Parsons’ enthusiasm enough for him to apply for a job at Abbey Road Studios. This first step into the music business led him to work on such classics as “Abbey Road” and “Dark Side of the Moon.” His next step was taken when he met Eric Woolfson. The pair embarked upon a musical challenge called “The Alan Parsons Project.” The Project from the beginning has had an innovative and distinctive sound. On their new album, “Ammonia Avenue,” they preserve this sound. One interesting aspect of the band is that the lead vocalists are Eric Woolfson, who plays keyboards, Chris Rainbow, Lenney Zakatek, and Colin Blunstone. Also on the album are David Parson’s bass; Stuart Elliott, drums; Ian Barbour, guitar; Mel Collins, sax; and Parsons, who does the programming on the Fairlight. As always the Project maintains a high level of musicianship.

The album itself is a typical Parsons album. It contains great music and it excites your musical taste in all respects. The production is especially good with Parsons behind the mixing console. One trademark of the band is that the album is an overall concept. Since ‘Fables of Mystery and Imagination’ all of their albums have had a concept for which the album is based upon. The title of the record does suggest some kind of total idea. It was while Woolfson was walking through a cinematic piano and saw a sign that said ‘Ammonia Avenue.’ Thus, the album was born. Though a total concept adds to an album, the fact that there is not one doesn’t detract from the quality of this one.

The style of the band varies throughout the album. This aspect never allows for a dull moment.

Restaurant review- Lincoln Restaurant

by Larry Halaska

The Lincoln Restaurant, a casual place to eat, is in the heart of a busy intervention. The Lincoln is open from 5:30 am. to 11:00 pm., 7 days a week. It’s the place to stop anytime of day, to get an early breakfast or a late night snack. The Lincoln serves a wide variety of food, from fast food, such as hamburgers and hotdogs, to dinners such as shrimp ($7), stuffed peppers ($3), veal parmesan ($6), and chicken ($6), just to name a few. And you have your choice of ordering “a la carte” or a full dinner, including soup, salad, rolls and dessert. For those of you who like to have a drink before, during, or after dinner, the Lincoln has a bar that serves you, there or at your table.

Service is another good quality of the Lincoln. The waiters are well trained and are conscious of the customer’s needs. The chefs, too, are well trained and cook only the best meals for you.

At the Lincoln you have your choice of sitting in the main dining room or in a more private dining room. Each has tables of booth or sit at. The atmosphere is pleasant with the waitresses always smiling. The scent of the good food is complimented by the soft background of the golden fish bubbling. The chandeliers give off a soft light, and all the chairs are big and comfortable.

The cost, as you can see, is affordable to even the pickiest of customers. The Lincoln also accepts all major credit cards. Reservations can be made for anytime and large family parties are no problem. The Lincoln is a pleasant restaurant for any occasion, anytime of day.
Getting the message

Dallas, Tex.—(CPS)—Electronic News Network, the experimental new campus medium that delivers national and a smattering of local college news to students via moving message boards, apparently has become a big hit.

ENN recently announced it has wired its 150th campus and has plans to be on 500 campuses by the end of the year. While Mackey wouldn’t say if ENN is profitable yet, his outlook is clearly bullish and the response of the schools with ENN message boards has been good.

"We’ve been real satisfied with the response from students," says Becky Dye, publicity manager for the University of Texas-Austin’s student union.

"It doesn’t cost the school anything and we can send our campus activities promotions off to have them displayed on the boards along with the news and information," she says.

The electronic bulletin boards—similar to those used by banks and other businesses—display news, information and ads 24 hours a day.

ENN gives the message board equipment to participating schools, installs it, and connects it to the company’s mainframe computer in Dallas.

"We derive our income from selling ads to companies like American Express, the Wall Street Journal, and Johnson (a manufacturer of class rings and other school paraphernalia)," Mackey explains.

A 20-character ad that would go to all the campuses ENN serves would cost an advertiser $60,000 a month or $150,000 a year.

But advertisers can go to some—or all—ENN’s campuses, too. To advertise to University of Maryland-College Park students, for example, would cost $400 a month for a 10-character message.

Like most ventures—the newspaper, the new ad-supported music videotape syndication, the Campus Entertainment Network—that seek to appeal to the college market, through, ENN mostly disregards smaller campuses.

The reason is that advertisers

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PARTY
There will be a party on March 31st in the BOG.
It will start at 9 p.m. and go to 1 a.m.
There will be a professional D.J.
and beers will be 25¢ all night.
Sponsored by IFC, RHA, and Sailing Club.

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BOG CONCERTS
All concerts are held in the BOG on Thursdays from
9:00 pm - 12:00 am. Cover charge is $2.00 for all shows.

March 29
GYPSI-FARI (Reggae)
April 5
BLUES INVADERS (Blues)
April 12
THE MISSTAKES (Rock)
April 19
KIMO (Jazz)
May 3
BEATS WALKIN' (Country Rock)

From one beer lover to another

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

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The Union Board
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"ONE OF THE FUNNIEST FLATOUT farces
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It will be appearing in the McCormick Auditorium
located in Hermann Hall and will be shown on
Thursday March 29, at 8:15 p.m. and
Saturday March 31, at 7 p.m. & 9:30 p.m.
The cost to you is only $2.00.

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WANTS YOU!!!!
TO MAKE APRIL 20TH A SUCCESS WE NEED
your ideas, your creativity, your participation
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A sample of the entertainment for
International Festival '84:
Back by popular demand
The West Jamaican Folk Dancers.
April 20th
12:00 Noon -
10:00 p.m.

This fantastic play is coming right to the IIT audience in Hermann Hall. Take part in the excitement Thursday-Saturday April 27-29, at 8 p.m. and on Sunday, April 30, 1984 at 3 p.m. Jesus Christ Superstar is sponsored by the Music Theater of Chicago. The price is $6 in advance at the Hermann Hall Director's Office and $7 at the door. For further information, call 567-4073. So come and check out the #1 play in Chicago!
More borrowing seen as financial aid drops again

A January, 1984 College Board study, moreover, concluded that while financial aid to students has declined by 21 percent since 1981, making campus costs markedly more difficult to finance. The study blamed the phasing out of Social Security benefits for students and tougher restrictions on Guaranteed Student Loans (GSL) for limiting tuition increases compared with increases in student income and aid each year since 1981.

As a result, students have been going deeper into debt to pay their way, Martin says. While some schools like Lehigh have big "institutional" loan funds to help students finance their educations, Martin says "community colleges and some of the smaller public colleges and independent colleges" have trouble making up the increased costs to students.

Even if they can, Martin adds students can't keep going into debt indefinitely. "It's conceivable," he says, "that schools that can't balance the need for their own fiscal health with students' ability to pay will find themselves with an unacceptable high default rate in the future."

And new federal laws keep some students from borrowing even more money even if they want to. Northern Arizona student Albert Arvallie, for one, works summers but must keep his school work jobs to a minimum. "If you work, they will cut down on your (student) loan," says Becky Johnson of Bismarck Junior College in North Dakota.

"My parents' income went up, and now I can't qualify for a loan," says Jennifer Johnson of Bismarck Junior College in North Dakota.

"My parents' income, although not big, was at a level I couldn't qualify for aid," echoes DePaul junior Jeni Jagow.

"They've taken us to the limit," adds Delaware senior Scott Webber.

Some students say they're over the limit. "My sister wasn't going to school now," says Vivian Burge of Los Angeles City College.

"She was on her way to college, but now she's looking for a training program" because LACC has become too expensive for her, Burge says.

"Tuition," explains Michael Alexander of Chaffey College in Alta Loma, Cal., "puts an additional burden on poor people. We will see a change in our student population because there will be fewer colored, Hispanic and fewer minorities overall." Washington State Junior

Judith Dillard says she knows of "people who aren't coming back here" because of rising tuition. Enrollment figures, however, suggest higher tuitions haven't driven many people out of college in the past.

Despite 45- to 73 percent hikes in the last three years in 14 southern states, "southern enrollments have been increasing steadily," reports Joseph Marks of the Southern Regional Education Board.

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Academic high-tech profits being realized

by Susan Calhoun

(CPS)—In mid-February, General Motors proudly announced plans to build a new plant right next to the University of Alabama. Four days later, GM announced it had lost more than $1,000,000 in a lawsuit with two Alabama professors to develop a new computer system for the plant.

It was only the most recent marriage between private business and colleges, both large and small. "Arrangements" between businesses and campuses, which historically have viewed each other suspiciously in the best of the times and actively disdained each other the rest of the time, now are being announced almost weekly.

It's happening at an even faster clip. As more and more colleges try high-tech approaches to getting into the act.

With public tax support of colleges growing more slowly than in the past, with the number of tuition-paying students beginning to dwindle, and with the growing difficulty of scaring up more money to pay talented teachers, schools have begun to private corporations for money help about two years ago.

Alabama, Michigan, Wisconsin, Penn State, Carnegie-Mellon, and Berkeley, to the great profit of all concerned.

The companies get relatively cheap research and development help for their products, and a ready pool of talented researchers and tax deductions for the money they give colleges.

The schools gain grants, added prestige, more money for continued from page 9

Washington, Denver, Oklahoma, North Carolina and Texas schools, among many others, set out either singly or in groups to become the next "Silicon Valley" of wherever the happen to be.

In the "Silicon Valley" in northern California, of course, the computer industry grew up and around Stanford, San Jose State don't go out as much as I'd like to. I can't afford it. I don't go for pizzas."

Washington State's Didler, who works summers and has a GSI, says the next tuition hike will cost her "a lot of miscellaneous stuff like shampoo."

"My parents pay my tuition, and the kind of puts a strain on them," says Charmin Jackson, a Chicago State senior, "They had to do without things like fixing up the house."

Tuition hikes outpacing inflation rate

Yet resentment levels seem to have risen above even discontent levels.

"You get to the point where you feel it's not worth it," says University of Miami junior Nancy Larson.

"I'm sure some of the (increase) goes for increased expenses," concurs Delaware student Craig Ackerman, "but a lot of it is wasted in food that's poor and stuff like that."

"There's a new bookstore," concedes classmate Webber, "but I was perfectly happy with the old one."

Washington State's Didler says she has no idea "where the money's going."

Many students, of course, take a broader view. "I think we're going up," notes Viola Moehirer of North Dickinson. "I understand why they're doing it (raising tuition)."

A 10 percent hike is realistic because we're losing all kinds of things on campus, like periodicals in the library," says Mark Driscoll, Oklahoma's student body president.

Getting the message

continued from page 9

from "per impression," or number of times students see their messages. The fewer the number of students on a campus, the fewer potential impressions there are. Consequently, ENN and the others can't charge advertisers enough to make a big enough profit from smaller campuses.

"We're selectively targeting ourselves to a $45 billion a year market," Mackey says.

His boards now reach a potential of "about 2.2 million" students, he says, adding up to "about 40 million impressions each month.

"Every morning we program the day's news and sports, along with what's happening on each particular campus, into the campus' own computer that drives the message board," Mackey says. "The messages recycle about every eight minutes, and are roughly 80 percent news and information, and 20 percent ads."

"We really enjoy them," says John Elliott, associate director of Ohio State's student union. "The service itself, and the messages we put on them, have been very well

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At theaters everywhere Friday, March 30.
Campus research profit

(continued from page 10)

pay for the right to ask campus people to work on projects and for some access to college facilities is $25,000, he found.

Moreover, most corporations ante up one-time gifts to engineering or chemistry departments "that are substantial-
ly higher than $100,000," he adds. "This isn't a phase," Ansell insists. "Industry-university research programs are here to stay, and everyone's going to have to get used to them."

There's no choice at some schools. "We now got over 40 companies involved here," reports Dr. George Ansell, engineering dean at Brooklyn Polytechnic Institute in Troy, N.Y., one of the most experienced campus business collaborators.

All of course, pay RPI well for its research services. "There's a big trend for companies to relocate (near universities)," Ansell understates. "We encourage it here."

Others encourage it, too, and universities now openly compete with each other to get companies to relocate next to them.

Ansell says the University of Michigan, which launched an expensive advertising campaign two years ago portraying itself as a high-tech "living library," now gives RPI a run for its money in cutting deals with robot companies.

The North Carolina Research Triangle, a high-tech industrial park from which private firms can call on the research facilities of Duke, North Carolina and other area campuses, is now "one of the best Silicon Valley competitors," Leeds maintains.

When looking for a new home, "we considered San Diego, Atlanta, Austin and the North Carolina Research Triangle among others in 27 states," before working out an elaborate agreement with the University of Texas, recalls Bill Stolzner of Microelectronics and Computer Technologies.

Under the arrangement, Texas and Texas A&M will lead research labs to the company, lease a building to it in 1983, be paid for its staff's time and work, and even get to use some company technicians as adjunct instructors.

To compete with the thriving high tech-college research arrangements in Massachusetts, the city of New Haven is building a $10 million "high tech park" next to Yale.

Though many of the high tech dreams launched almost simultaneously by New Haven, Pennsylvania and literally hundreds of other schools actually may be coming true now, some obstacles remain.

One is the attitude of some faculty members who remain more interested in pursuing "pure science" than in finding practical applications for research.

"Universities have traditionally had an anti-industry image," Finlay says. Professors "don't want to work towards patentable projects, which is what industries want."

In general, "we're being forced to redirect our research into becoming more profitable," he says. "Engineering departments are going to have to be willing to use their tools to test Calgon."

The other obstacle is money. University of Arizona administrators two weeks ago warned state Democrats they'd be unable to compete for high tech research with other colleges unless it got an immediate 12 percent funding hike.

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100th swim victory

Under swimming Coach Dennis Matech, and diving Coach Bob Wendt, the Illinois Institute of Technology celebrated their 100th victory this last season. With this last season's record of 13 wins and 3 losses, Matech and Wendt now have 106 wins to 54 losses.

Finishing their 13th year in charge of the team, they have had 9 winning, 3 losing, and 1 tie season. This year's 13 victories ties their '77 season, but in '77 they had only 1 loss as compared to three losses this year. Highlight of this year's dual meet season was the victory over Loyola University, IIT's first dual meet over Loyola in thirteen years.

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When you need big favors you ask good friends.

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Ammonia Ave.

(continued from page 6)

The band's sound can go from the quiet mellowness of the title track to the upbeat tempo of "Prime Time". The power of the record doesn't lie in forcefulness, but rather the air of music drawn you to it. Then, the lyrics move up to complete the picture. The writing is just a reflection of all the work put into this recording.

Overall, the album is very much worth buying. The writing, the playing, and the producing are all top rate. Even people who are not fans of the Project will be impressed.

Löwenbräu. Here's to good friends.
IIT women softball team strong for spring

The IIT Women's Softball Team, behind star pitcher Jill Hansen, will play 17 games this year, including five doubleheaders. The high point of the season will be a double-header with Valparaiso University, an NCAA Division 1 school.

The infield is composed of returning veterans Dan Balder, Tracy Higby, Kelly Cade, Roberta Dillenburg, and Amy Murphy. The outfield is anchored by senior Ricke Lukaski and will also include Poppy Wing, Linda Pelletier, and Jill Hansen.

Team will open the season March 30 against Morton College, weather permitting. The home games are played on the field west of the Stuart building. Players are still encouraged to join the team if they like to play softball.

"The team would also like to have some onlookers for their home games. Softball players and baseball players who wish to support should contact the coach, Blake M. Davis, at 942-0560 or Dennis Hull in the athletic office."}

Sailing regatta here in March

by Randy Kunzehmann

What sport do you think of that combines the excitement of football, the fast paced action of hockey, the agility of gymnastics, the strategizing of chess, the stamina of finals week, the sportsmanship of cricket, and the party atmosphere of spring break in Florida? Your answer: Sailing.

The IIT Sailing Team is beginning the 1984 season with the first race (regatta) at Wabash College, Ind. The race is appropriately called an "icebreaker."

March 31st however is the date to remember. IIT will be hosting 14 teams from all across the Midwest. The race will be on Saturday from 9:00 a.m. until finish (approximately dusk). It will be held at the Chicago Yacht Club at Belmont Harbor. All those interested in the sailing club or just a fun time are more than welcome to come.

On Saturday night we'll be "off the surf and into the suns" with a Party Extravaganza at the Bug starting at 9:30 p.m. There we'll congratulate the winners ("Crew") and console the losers with 25c beers. Everyone is welcome. The party is co-sponsored by the IIT Sailing Club, RTA and YPC.

The schedule for the spring season is as follows:

4/14 IIT (3-1) vs. 3-3 IIT Regatta (Party in the Bug)
3-24 Wash U. Invitational
3-31 IIT Regatta (Party in the Bug)
4-20 MSCA Team Race Championships at SIU
5-14 Midwest Eliminations at Green Bay
M-51 MSCA Dinghy Championships at SIU
M-51 National Championships in Chicago

Here's to Your Health

by Randy Kunzehmann

With summer just around the corner, it becomes time to lose the snow cube fat that you collected over the winter, and one of the best ways to do that is running. However, before you start, take the first steps toward better care by separating fact from fiction.

Too much neglect will result in injury, pain, and maybe even some 20 percent of adult Americans, who spend $300 million a year on medications and over-the-counter products. Soreness, nausea, and dullness are only some of the problems that can affect the foot which has 26 bones, 14 ligaments, and 20 muscles.

Here are some common myths about foot care.

- Going barefoot will widen the foot.

This is not a "fact"-true. The width of the foot is determined by the shape of the bones. The foot may thicken a bit from going barefoot, but that's all.

- Stretching your feet.

If the shoe fits, wear it. It should be comfortable and it doesn't rub sore spots. Just because it's an expensive shoe doesn't mean it will fit well.

- A shoe that has to be broken in is probably bad for your feet.

It's okay to break in shoes. There is no way a manufacturer could make a shoe on 9 form and make it fit everyone. Simply wearing the shoe is the best way to break it in.

- Swollen feet signifies a health problem.

Pains and soles are especially designed to get rid of body heat. The perspiration causes irritation that can lead to an eczema. If your perspiration is odorless, please keep in mind that the air over their use to help kill the offensive bacteria. In addition, everyone should wash their feet frequently and carefully.

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