

## S·A·G·A·M·O·R·E

Nov. 9, 1987

INDIANAPOLIS

Vol. 17, No. 14

THIS WEEK



Horoscopes can  
guide your life.  
Really.  
See page 12.

# Women's health care neglected

*New campus facility to address problem*

By STANLEY D. MILLER  
Acting News Editor

Medical studies about disease and aging historically excluded women, although women have health care needs that often differ from those of men.

Now, a one-of-a-kind research group based at IUPUI will focus on women's health care issues, including many previously neglected or misunderstood areas.

"There are whole areas of health care that have hitherto been seen as a concern of men," said Dr. Diane Brashear, executive director of the Institute of Women's Health.

The institute's opening conference, held last Wednesday at the University Conference Center, was entitled "Experts-Insights, A Research Agenda for Women."

Brashear cited one recent medical study on the effects of cholesterol in the blood stream which used 3000 men and no women in the sample. A study on aging in Baltimore continued for 20 years before adding women to their survey group, and even most research on laboratory animals is conducted on males, she said.

Among the other health care problems women face:

- \* More than 80 percent of the American victims of lupus, a class of diseases of the skin and mucous membranes, are female;



Radio station Q95 DJs Bob Kevoian and Tom Griswold entertained IUPUI students at the Lincoln Hotel Food Court last week.

Photo by KEMP SMITH

- \* women ages 15-44 experience surgery 2.5 times more often than men of the same age;

- \* women are two to three times more likely than men to be diagnosed as suffering from depression;

- \* 90 percent of the victims of osteoporosis are postmenopausal women;

- \* alcohol use during pregnancy has been described as the third leading known cause of mental retardation in the Western world.

"Researchers traditionally have not wanted to work with females because of 'those crazy

hormones'," Brashear said.

"One of the things that makes our research methods innovative is that we'll be involving women as consumers and asking them to respond in the development of research questions," she said.

Dr. Angela McBride, a key founder of the institute and an associate dean in the Indiana University School of Nursing here, believes that several health care issues that have traditionally been seen as male issues pose unique problems for women.

Diabetes, rheumatism, and diseases of the gall bladder,

thyroid, and parathyroid are among those issues.

"They have never been looked at systematically because the feeling was if you'd only adjust to being female, you wouldn't have these problems," McBride said.

She also said that perspective creates problems for female patients.

She drew the analogy of a person tripping while leaving a room. The one who tripped may know that someone bumped into him or that the heel of her shoe just broke, facts which may be unknown to an outside observer. The observer is much more likely to describe that person as a "klutz" than is the person who tripped.

Similarly, it's easy for male scientists and doctors to dismiss problems by saying, "She's a woman", without gathering all the data, McBride said.

Actual research on these and other topics will not begin for a few years. More planning is still needed before the institute begins its "demonstration phase", when the research will begin. The current planning stage will include additional conferences, which will educate participants about research needs, methodological issues and barriers to the study of women's health; will identify and prioritize research questions for further development; and will encourage participants in the development

See RESEARCH, Page 6

## Smoking proposal stringent

By THERESA JOYCE  
Freelance Editor

A proposal that would create a smoking policy on campus more stringent than Indiana State law requires was sent back to committee for further review.

The proposal, submitted at last Thursday's Faculty Council meeting, generated concern over the language of the proposal and how such designated smoking areas would be separated.

"Studies have shown that simple separation of smokers and non-smokers on opposite sides of a room is an inadequate measure," said Kathleen Warfel, associate professor of pathology and chairman of the ad hoc Committee on Smoking Policy.

Areas where smoking is to be prohibited include, auditoriums, libraries, classrooms, conference rooms, communal offices, hallways, stairwells, elevators, restrooms, cafeterias, vending canteen areas, patient care and services areas, laboratories and all work areas.

The purpose of the proposal is two-fold: to preserve as much as possible the individual's right of choice in the matter of smoking, and to protect the communal air on the IUPUI campuses in order

See SMOKING, Page 3

# Computers key to symbol analysis, prof says

By LESLIE L. FULLER  
Editor in Chief

Pamela McCorduck is fond of comparing the thrill reserved for symbol researchers in this century to the awe felt by Columbus' crew as they watched the vague outline of a vast continent assume definition against darkness.

To McCorduck, an international authority about artificial intelligence, comparisons to the modern Age of Information and the pre-Newton world come naturally.

Researchers today, she believes, are "trying to do for information what Newton did for physics."

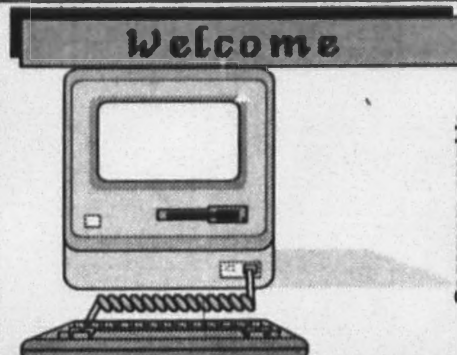
"BEFORE NEWTON, everyone knew that apples and oranges were different things. Much less could one compare a person to a carriage wheel or a tablecloth."

"Newton came along and said 'uh-uh, you're wrong.' It took enormous insight to see that they all shared common characteristics."

McCorduck believes that the modern



Pamela McCorduck



to the age of information

world of information glut is caused by lack of knowledge about knowledge itself. "All this diffusion that is driving us crazy and leading us to information overload is really a lack of understanding about the structure of information itself."

"What is a symbol? How much does it

take to make a meaningful statement?"

Humanity's next great revolution will take place when a discovery is made that reveals the structure of information itself—to quote McCorduck, "the meaning that underlines all symbolic utterances."

THE REASON THAT researchers suspect that all symbols share a common property is because they all exhibit common characteristics—for instance, almost all information can be processed through a computer.

"We have a laboratory instrument called the Universal Machine through which we can process every kind of information."

A page torn from the King James Bible; the writing on the Rosetta Stone; the discarded wrapper from a Hershey bar; all these materials can be processed by a computer terminal which will then express their contents, usually numerically.

"A SUPER COMPUTER can turn literally a million operations a second. The data comes out, and it is numerical form. You look at it, and it's just numbers and numbers and numbers. But when it's converted..."

The commonality of information

See COMPUTERS, Page 20

Sagamore graphic

## BRIEFLY

Call us at 274-3455

## Creative engineers could win financial help for grad school

Winners of the National Science Foundation's Engineering Creativity Awards will receive \$50,000 of financial assistance to attend graduate school.

The awards, which provide \$20,000 a year for three years, are given to senior engineering majors who display creative engineering ideas. Last year was the first year for the program, and 31 awards were given, said Dr. Royal E. Rostenbach of the NSF. The foundation received 175 applications last year.

"I would expect more (this year) because last year was the first time around and the word has gotten out, and this is a pretty good deal."

One student from the University of Notre Dame won an award last year, and several pre-

vious winners will do their graduate work at the Purdue School of Engineering here, Rostenbach said.

"The program covers a broad spectrum. We had awards in aerospace, chemical, civil, electrical, computer science and technology, mechanical, material, and biochemical engineering," he said.

The program is not open to anyone who has ever been to graduate school, and closing date for applications is Feb. 1, 1988. For details on the application process, interested students may write to the National Science Foundation, Office of Engineering Infrastructure Development, 1800 G Street NW, Washington, D.C. 20550.

## Campus committees still need students

Students are still needed on several campus committees in spite of good response to an appeal from the Student Assembly, and the Student Senate still has two vacancies for senators-at-large.

The Affirmative Action Advisory Council, the Calendar Committee, the Faculty Council's Student Affairs Committee, the Committee on the Disabled, the Student Financial Aid Committee, and the Academic Policies and Procedures Committee still have positions open for student representatives.

Six other vacancies have been filled in the last week: Brian Nelson, Deborah Noel and Fred Reese have taken positions with the Parking Appeals Committee, filling that group's request

for student members; John Avila and Christopher Jennings are new representatives to the Student-Staff Health Services Committee, which now has its desired number of student members; and Jackie Schmidt filled one of three positions with the Student Affairs Committee.

Interested students should inquire at the Student Assembly Office, Library Room 006A.

## Sports center to get new surface

Resurfacing work is expected to begin this fall on the Indianapolis Sports Center complex, former home of the U.S. Open Clay Court Tennis Championships.

Lilly Endowment, Inc. has awarded a \$2 million grant to the Indiana University Foundation to make the tennis center more economically viable and accessible to the university and the community.

Project costs are estimated at \$3 million for resurfacing of most of the clay tennis courts with asphalt and construction of a permanent building for indoor tennis and other activities. Funding will come entirely from private contributions, including the Endowment grant.

## Arson squad checking into law school fire

The Indianapolis Fire Department arson squad is still investigating a small fire in the Law School canteen. A working fire was reported in the early morning October 23 by a staff member. Both campus police and the fire department responded and the fire was put out. Part of a wall and the counter were damaged.

Anyone with information about the fire is urged to contact Detective Jeff Allen of the city's Arson Unit at 633-6051 or Sgt. Max Reynolds, the investigating officer for the campus police, at 274-7971.

## Research to fight AIDS-related disease

Research scientists at the Indiana University Medical Center have been awarded a five-year contract of \$1.4 million to find new drugs to treat pneumocystis pneumonia, the most common infection for which AIDS patients receive medical attention.

This new disease affects 80 percent of all AIDS patients at some time during the course of their illness and is the most frequent cause of death in AIDS patients.

The grant from the National Institutes of Health renews a previous contract, and is one of

three such grants awarded to groups involved in the search for new drugs to fight the micro-organism.

"Drugs currently used against pneumocystis pneumonia do not work well in AIDS patients," said Dr. James W. Smith, director of the research project. "Although current drugs have been useful in non-AIDS patients, toxic reactions in two-thirds and poor response of the infection to the drugs in a number of AIDS patients has spurred the search for additional agents."

## NOTICES

NOTICES deadline is Thursday at Noon

**NOTE:** Notices for the Nov. 30 issue must be received by noon Thursday, Nov. 12.

## TODAY

The geology colloquium for the week features Dr. Mae Sexauer Gustin speaking on "Metamorphic Core Complexes - Enigmas of the Western Cordillera" from 4-5 p.m. in Cavanaugh Hall Room 435.

The International Society Club will conduct a meeting at 5:30 p.m. in Library Room 131. New members are encouraged to attend. For details, call Mariana at 274-7294.

## TUESDAY

The Psychology Department Alumni Association will meet from 7-8:30 p.m. in Krannert Building Room 168 on the 38th Street campus. Chairman and associate professor John T. Hazer will discuss "What's New in Psychology at IUPUI." For details, call Shirley Rogers at 274-7711.

American Women in Science (Indiana Chapter) will meet in the Provincial Room of the Union Building from noon-1 p.m. For more information, call Dr. M. Egar at 274-8536.

The Adult Education Co-ordinating Center will sponsor "Faculty-Adult Student Conversations" at noon in Room 4093 of the Business/SPEA Building. All members of the faculty are invited, and should bring a lunch. For more information, call Judy Lovejoy at 274-2066.

A Mechanical Engineering Seminar on "The Control of Industrial Multivariable Systems" will begin at 1 p.m. in Room 127 of the Administration Building on the 38th Street campus. The seminar will feature Dr. Onita Nwoka of Purdue University.

## WEDNESDAY

The Chemistry Seminar for the week is entitled "Studies of Chiral Separation Using Chromatography, NMR and Molecular Modeling" by L. B. Rogers of the University of Georgia. The seminars are held each week in Krannert Building Room 231 on the 38th Street campus beginning at 4:30 p.m.

The Political Science Students Association will sponsor a pre-law seminar for anyone interested in attending law school from noon-1 p.m. in Cavanaugh Hall Room 438. For details, call Dr. Bill Blomquist at 274-1464.

The Psychology Club will plan its script-writing party for its upcoming film and will gather more information for the Psychology Club Student Handbook at its meeting at 1 p.m. in Krannert Building Room 063 on the 38th Street campus. For more information, call Andy Everts at 283-1945.

The Accounting Club will offer a chance to learn about the opportunities an accounting degree can offer with a presentation by Jeff Walker, CPA at 4 p.m. in Room 3017 of the Business/SPEA Building. Call Tina Bowen at 255-9631 for details.

The University Gay/Lesbian Alliance will present Dan Neiswonger, regional director for the Parents of Gays Association, at 7:30 p.m. in the Union Building's Grissom Room. Persons who have children who are gay or lesbian are especially welcome. For more information, call Wayne Olson at 274-2585 or 283-2513.

The University Writing Center will conduct a workshop on Punctuation Problem-solving, including discussion on commas, semicolons and other punctuation marks, at 11:30 a.m. in Cavanaugh Hall Room 427.

## THURSDAY

The first of a three-film series presented this fall and winter by the Flat Light Society will be "I Vitelloni", shown at 7:30 p.m. in the Herron Auditorium at the Herron School of Art, 1701 North Pennsylvania Street. Tickets are \$6 for the three-film series or \$3 per film. Call 923-3651 for details.

See NOTICES, Page 6

## The Occupants

© 87 by Richard Kolkman



## Young owner turns pit bull loose to chew fated feline

By ANDREW CAREY

Officers from the Indiana University Police Department are continuing to investigate an animal cruelty incident at Park Lafayette Apartments for which a juvenile has already admitted responsibility.

Witnesses reported that two teenage boys tied a cat to a tree Nov. 1 and allowed their pit bull to chew it apart, according to the IUPUI records.

Park Lafayette is off-campus adult student housing located in the 2300 block of North Tibbs Avenue. IUPUI owns and manages part of the complex for its students.

Captain Larry Propet of the IUPUI believes the problem stems from a family that resides in the adjoining complex not owned by IUPUI. They own the pit bull as well as a German shepherd. The neighbors often walk their dogs on the property owned by the IUPUI Real Estate Department, and IUPUI officers have warned the family not to trespass on that part of the apartment complex owned by the university.

Wanda Rogers, manager of the IUPUI portion of the complex, reports that she has received complaints of this kind since August. She said the Indianapolis Police Department had been called about the problem.

"They [IUPUI officers] said nothing could be done about it because the kid had a license for the dog and it was on a leash. They said the kid was within his rights to walk the dog. It doesn't seem as though the kid is responsible enough to take care of the dog," Rogers said.

While she admits that the complex has had problems with the dogs from the adjoining complex, Rogers does not feel that there is any unusual tension between the residents of the two complexes.

Propet has talked to the Marion County prosecutors office, and they have agreed to further investigation if additional evidence can be obtained.

He said that the case was still open and that investigation of the incident would continue.

## Smoking policy back in committee

Continued from Page 1

To provide a healthy and comfortable environment in which IUPUI students, employees and visitors can safely pursue their goals.

"Involuntary smoking is a risk factor in the development of cancer, said Warfel. 'Style and personal preference is no longer the issue.'

The proposal states that each building will have "structurally separated smoking areas," and that the number and sizes of the smoking areas will be adequately comfortable and attractive to accommodate smokers wishing to use them.

According to vice president Gerald Bepko, "Smoking areas will be as comfortably and attractively arranged as the rest of the building."

There was opposition to much of the wording in the proposal, specifically the statement that each building will designate smoking areas, whereas Indiana State law says buildings may designate these areas.

Questions arose regarding the creation of new space for these designated areas, since the proposal clearly states that smoking areas must be structurally separate. It was agreed that physically separate would be a more appropriate term.

Areas where smoking would be permitted are private offices, and properly ventilated designated smoking areas. Smoking

Statements still must be taken from several witnesses.

According to Propet, an incident of this kind has not occurred for approximately 10 years. In the last incident, a dog that was tied to a concrete post by its owner hanged itself when it jumped off a railing nearby.

areas can be designated only if they do not endanger life or property or risk impairing the health of non-smokers.

The smoking policy committee decided to include canteen vending areas because they are, "grim places with poor ventilation, quickly becoming smoke filled," said Warfel.

Enforcing the proposal boils down to common courtesy. The proposal states that in private offices, occupants should refrain from smoking when there are non-smoking students, employees and visitors present. It also suggests that smoking be curtailed in offices that contain computers that are University owned.

"No clear facts have been determined on what the effects of smoking are on computers," said Warfel. According to the proposal, information gathered on environmental tobacco smoke, suggests that due to the small size of smoke particles, they diffuse throughout room air rapidly and are not easily eliminated by standard filtering systems. Harm to computers, therefore, was considered possible based on that information by the committee.

"Enforcement is a separate problem and will depend on a cooperative nature. There will be designated officials in each building to designate where smoking can happen," said Warfel.

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## Student's widow expresses her thanks to community

To: African Students' Association,

I am glad to know that my husband had many friends and well-wishers who have missed him so much and are sympathizing with me. I must thank you all for your big efforts and support given to me by raising such a fund to help me. This clearly shows that you really cared for my husband because of the degree of intimacy between you and my husband. That's why you remember that he is still alive spiritually since members

### Letters to the Editor

of his family are still alive. There is nothing too sad about it since he has led a very decent life. We only ask God to take my husband to his Paradise.

In fact, only few Africans can give such help to the family of a man they have not seen, regard-

less of being familiar with his family with the help of the Indianapolis community.

My special thanks goes through the African Students' Association to the Indianapolis community. I don't know how to thank you all for your efforts but God knows how to thank you for me better. May God help all of you in all your endeavors towards life.

Thank you all.

Yours Sincerely,

Mrs. Juliana A. Daudu

## International Club officer urges foreign students to join his group

Dear Editor:

There is an organization (The International Society Club) on campus which is set up for the sole purpose of bringing the international students together. This club is by no means inactive. The members of the group are doing much to make this organization beneficial for all international students as well as other foreign students not on VISA.

However, due to limited participation, the club has not flourished. In spite of this circumstance, however, the members of the club are striving to produce a successful club in which the social needs of international students are met.

For instance, we are sponsoring parties, dances, trips to Bloomington (to meet with other foreign students), and fund-raising activities in the near fu-

ture. We are also going to form study groups. We encourage participation and active involvement. Remember the old cliché: a club is only as active as its members are.

Sasan (last week's writer of the letter to the editor), I commend you for wanting to help the international students and getting them involved in social activities. But that is exactly what we, The International Society Club, are trying to accomplish. Many people do not seem to realize what the club is all about: it is organized by international students and set up for all international students as well as American students who are interested.

Similarly, the Host Family Program, which is connected with the club, is set up where international students are matched with host American families and the student stays

with the family for a mutually agreeable time. This program is found to be rewarding and worthwhile for both the host and the student. For further details on this program, interested students may call Mariana Richmond at 274-7294.

In conclusion, I just want to say that foreign students can have fun, if only they will participate. We encourage all foreign students to participate, to get involved, and to have fun. America is what you make of it. Join the International Society Club, or other organizations on campus. I'm sure they will be more than happy to have you. For further information, call the Student Activities Office. We are looking forward to seeing you soon.

Dmitri Maglalaug  
Vice President  
International Society Club

## Campus 'architecture' lacks utility, good sense

You can't get into the John Herron School of Art in a wheelchair.

American architects of yesteryear built many beautiful universities and public buildings that still serve students and citizens today, but they did not plan for a handicapped population.

Ask a university planner, or a member of the Higher Education Commission, and they'll express regret that a lack of access exists. They will also tell you what they plan to do about it—how the plans for the new art facility will be easily accessible to a student or professor in a wheelchair.

But university planners are still using obsolete architecture.

The new planning document for IUPUI does not include specific plans for an expanded child-care program.

Despite the fact that representatives from the School of Nursing have testified that lack of child care is sometimes the single factor that bars certain students from school, despite the fact that there are over 100 individuals on the waiting list of the current Child Care facility, despite the fact that other institutions—such as Ivy Tech—are planning for Child Care facilities, IUPUI planners don't think that expanding child care here is a priority.

Female students are now the majority in institutions of higher education. At IUPUI, students are older and more likely to be parents and spouses.

The Center for Education Statistics has calculated that by 1992, the number of female, part-time enrollments will rise to 3.2 million, or an increase of 167 percent of its current total. This prospective student population will grow as others wither.

To not address the needs of this population is a crime.

IUPUI's new development plan contains some glorious dreams.

But a structure that lacks utility ultimately lacks beauty, and sense, as well.

—The Editorial Board

## Campus Inquiry

## Are IUPUI classes offered at convenient times?



ANYA SONKIN  
Undecided  
Freshman

"I haven't really looked at the schedule. Some of the classes that I want are offered only at night and that is an inconvenience for me."



A. DEAN LABOV  
Health Administration  
Graduate student

"I'm a graduate student and I have very little choice. I think they are quite limited. However, for the students it does seem adequate."



JULIE NORRIS  
Elementary Education  
Senior

"I think that getting the schedules is inconvenient. They should be sent through the mail. Education offers just one time, and many times they're offered at night or only in the day."



KEVIN FISHBURN  
Undecided  
Freshman

Not really. I haven't come across any problems so far. Someone brought to my attention the times on the Math schedule were incorrect."



JULIE WARD  
Undecided  
Sophomore

"I don't think it offers as much as the fall schedule did, and I think they offer too many classes off campus."

# Campus blood drives will continue next year

When the Opinion Editor asked me to do this story I said to myself, "Me, give blood? No way. I'm too chicken." Instead, the words that came out of my mouth were, "Sure I'll give blood. I've never done it before."

So I gave last Tuesday. The Central Indiana Regional Blood Center had their bloodmobile on campus making it easier for students to donate.

It wasn't too bad by chicken standards. When you donate blood you fill out a form questions on it and sign it. They ask questions like have you traveled outside of the U.S.? Have you visited a malaria region within the past six months? Ever had major surgery?

They also ask extensive questions relating to AIDS. I filled this out. No problem.

I then had to read two pages about the AIDS virus and signed my name stating that I understood what it is, and how it is contracted. No problem.

A woman in a white lab coat then pricked a middle finger and drew two samples of my blood, testing for the HIV virus—a cause of AIDS.

I took my form and walked to the bloodmobile. I took a deep breath and opened the door. The inside had four big yellow recliners lining two walls, boxes of plastic gloves, plastic containers for storing the blood and lab equipment. I immediately noticed the bag of chocolate chip cookies at the back of the trailer.

## Guest Column

By Erin Duhanty

one of my rewards for donating blood.

I laid down on a recliner and a nice young woman took my form. She asked me a few questions about my health and then wrapped a rubber tube around my right arm to check for a prominent vein. She couldn't find one there.

"Let's see your left," she said. There wasn't a healthy one there either. "We'll go with this one." She re-wrapped the tube around my right arm. She cleaned my arm on the inside of my elbow with iodine and inserted the needle.

I watched the blood shoot down the tube while squeezing a hard roll of stiff paper towels bound by a rubber band.

Everything was going great. I relaxed and looked out the window. The nice woman would check on me every once in a while.

The last time she checked on me she stopped and talked. "So when did you get married?" she asked. "I'm not yet. I got married August 6th."

As I spoke the word "6th," I started feeling nauseous. I turned to look out the window hoping to concentrate on something. It didn't help. I was beginning to sweat. "Could I have a glass of water?" I

asked. "Are you feeling sick?" the nice woman asked.

By this time I was past the point of feeling sick—I was fainting. Everything seemed to be covered in white spots.

She pulled the tube out of my arm and tilted the recliner back. "Cough, breathe deep," I heard.

I did this and began to feel better. The white spots disappeared. I stayed in the recliner for a while. The woman brought me a Coke. "Are you feeling alright?" she asked. "Yes, much better, thanks. I'm so embarrassed." She told me not to worry because this often happens to people the first time they give blood.

I hadn't eaten anything prior to giving blood. She told me that you're supposed to eat a good meal about four hours before you donate and drink something with sugar in it at least an hour before.

We figured in about 60 days I'll be eligible to give blood again. With a proper breakfast, I don't think I'll be as chicken as I was the first time.

As a result of last Tuesday's blood drive The CIRBC collected 20 pints of blood—enough for 80 patients. But they need much more.

The center operates under a "Community Responsibility" philosophy. Under this concept it is the responsibility of every community to donate a percentage (based on population) of blood throughout the year.

The center uses these donations for blood service needs and/or payment of the non-replacement fee for any person living in our region regardless of previous blood donations.

Prior to 1977 the center operated under a "credit system" and "non-replacement fee" whereby a person had to pay for the blood he or she used unless they gave blood.

The biggest problem the center has collecting blood from students is lack of transportation, said Jan L. Horn, a field representative for CIRBC.

The problem needed a solution so Horn and the center provided one. Starting in January 1988, CIRBC will have their bloodmobile on campus the second Thursday of every month from 8:30 a.m. to 6:15 p.m. on Blake St. under the skywalk.

"The AIDS scare initially affected the blood supply," commented Horn. "Our previous donors at the beginning shied away from giving blood. Now that they know that you can't contract AIDS from giving blood they're coming full force," she said.

The entire procedure of donating blood is completely sterile. They use a new needle for each donor.

CIRBC would like to have different schools or organizations at IUPUI co-sponsor blood drives. "We need blood on the shelves now for our patients who might need it tomorrow."

# Geography Awareness Week: 'landslide' of knowledge needed

Congress declared November 15-21 as National Geography Awareness Week in order to recognize the importance of geographic knowledge in an increasingly interdependent world.

The joint resolution designating the week before Thanksgiving as Geography Awareness Week was introduced by New Jersey Senator Bill Bradley, Vermont Senator Robert Stafford, and California Representative Leon Panetta. President Reagan signed the legislation into law on July 24, 1987.

Recent studies describe an appalling lack geographic knowledge among citizens in a nation constantly called upon to provide international leadership.

An Indiana study similarly demonstrates Hoosier abilities in geography to be equally limited. A test to measure students' background geographic place-name information of the

## Guest Column

By Frederick Bein

World, U.S.A. and Indiana was administered at the beginning of the 1984-85 winter term to all college students enrolled in introductory geography courses throughout Indiana. Twenty-one percent could identify the Persian Gulf on a world map, sixty percent could locate the Appalachian Mountains on a U.S. map, and fifty-nine percent could identify Fort Wayne on an Indiana map. These results created much concern around the State and the Nation. Citizens at Fort Wayne were alarmed that as Indiana's second largest city, few Hoosiers even knew they existed.



Why Geography? Geography provides a perspective which balances the skills of the educated person. The spatial point of

view enriches real life problem solving abilities, and a sound geographic base in the K-12 schools provides a better university student pursuing many different types of study.

Southern Governors Association last year recommended that geography be taught as distinctive subject matter in K-12 instruction. More recently, the nation's governors proposed a new plan for improving America's competitive economic position. The plan called for more study of geography and foreign languages.

Geography plays a crucial role in addressing global concerns like acid rain, nuclear war, hazardous waste, and world population growth.

The comprehensive nature of geography and technological advances in computer mapping, remote sensing and geographic information systems confirm the importance of geography in meeting the problems of this and future generations.

To celebrate this special week, IUPUI's Department of Geography is planning:

- 1) To release the results of a Statewide geography test of college freshmen. Press release, Cavanaugh Hall 207, Nov. 16th, 1:30 p.m.
- 2) Open discussion with IUPUI debate team members to treat the merits of requiring geography at IUPUI. Nov. 16th, 2:30 p.m. Cavanaugh Hall, Room 205.
- 3) Geography Faculty and student presentations to I.P.S. schools during the week.
- 4) IUPUI Geography Department Open House, Cavanaugh Hall, Room 207, for IUPUI students, IUPUI faculty and staff, Indiana school teachers, Nov. 18th, 4:00-6:00 p.m.

You are invited.  
—Frederick L. Bein is Chairperson of the Department of Geography.



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1985 and 1986

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All *Sagamore* editors are required to be enrolled in at least five IUPUI credit hours. Staff are paid through advertising revenue, the primary source of funding supporting the operation of the

newspaper. The *Sagamore* provides an open forum for the university community. Readers are invited to submit letters of any length and on any topic, although preference will be given to those less than 500 words which are related to matters of interest to the IUPUI community.

Letters must include the writer's name, address and telephone number. Letters must also be dated and signed by the writer for verification purposes. Addresses and telephone numbers

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Rubes\*

By Leigh Rubin



"Tell me, why is it that every time we sit down for dinner your mother drops in?"

## Research

Continued from Page 1.

of their own research and in cooperation with the institute.

IUPUI is an almost ideal setting for an organization like this, Brashear said.

"Indianapolis has a wide range of cultures, from urban to rural, from poor to wealthy, from well-educated to not well-educated... Being here (at IUPUI) is an added benefit because of the wide cross-section of society at the university," she said.

The institute is funded primarily by the I.U. School of Medicine, but its organizers intend to write planning grants in an effort to obtain additional funding.

However, Brashear is concerned that gaining additional funding necessary to run the institute may be a difficult process.

"Many of the traditional funding sources don't realize there's a problem" in women's health care, she said.

Dr. Frank Johnson, director of the Marion County Health Department, agrees.

"Most people making the judgments (about funding) are male," he said. "The problem will be to convince them that it's not a quasi-women's rights movement, that it's not a single issue but covers the whole political spectrum."

In addition to performing original studies, the institute may serve as a national clearing house for women's health research. No other organization appears to be serving that purpose, director Brashear said.

"Women locally will benefit from the fact that they would be receiving some projects that might improve their health care," Brashear said.

McBride pointed out an added advantage. "The institute will be making use of (student) research assistants in various projects that would benefit the education of women scientists," she said.

## MORE NOTICES

Cont'd from  
Page 2

Reservation deadline is noon for the November dinner meeting of the American Society of Women Accountants, scheduled for Nov. 16 at 6 p.m. at the North Meridian Inn. For details, call Melissa Henderson at 638-7912 or Karen Martin at 232-8208.

The Campus Bible Fellowship will conduct Bible study on the Gospel of John at 1 p.m. in Cavanaugh Hall Room 217. For details, call Roger Smith at 356-3516.

### FRIDAY

The University Writing Center will offer a workshop on Writing Complete Sentences at noon in Cavanaugh Hall Room 427. The workshop will present ways of recognizing incomplete sentences in your own writing, and of building them into sentences appropriate for college-level writing.

### SATURDAY

The Little Red Door will offer free examinations for possible oral cancer at the School of Dentistry beginning at 9 a.m. Any unusual condition on or around the mouth, lips and tongue should be evaluated. For more information or to schedule an appointment, call 925-5595.

### ADDENDA

Tutorial assistance for students enrolled in Speech Communication (C110) classes is offered by concerned students. Call 635-9532, 6-9:30 p.m. Monday-Thursday for assistance.

A special course entitled "Principles and Practices of Effective Fund-raising" will be taught Monday evenings from 4:40-7:20 p.m. this spring. To ask questions or to obtain information on how to register for the class, call Diane Myers-Mosher at 274-4200.

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# Discovering Charlie Sheen in Indianapolis

With the filming of "Eight Men Out", says Charlie Sheen, "we're making the definitive baseball movie."

"And there's no better guy to have at the helm than John Sayles, who's on his way to becoming one of the top filmmakers," he adds.

"I just hope people don't see the film and think we're trying to justify the corrupt, decadent acts... we're just trying to get some insight as to why they were accepting bribes. That's all I hope for."

Sheen, who portrays clownish center fielder Hap Felsch, commented, "Eight Men Out" is a story that needs to be told."

This movie is about the most virulent scandal in sports history-- the 1919 throwing of the World Series by the Chicago White Sox.

Based upon the book by Eliot Asinof, the film details the tale of a team considered the best baseball team in the nation, a team whose most important goal was winning the world series, weighted heavily in their favor.

Then, in a scandalous affair known as "baseball's darkest hour" they lost to the Cincinnati

Red Legs. A mob of gamblers headed by the conniving Arnold "The Big Bankroll" Rothstein, along with a majority of the players, threw the World Series.

Much of the cast is in agreement that Indianapolis is a great place to film a movie. The small-town atmosphere allows more space to concentrate, an opportunity which is sometimes hard to find in a fast-paced city like Chicago.

(This could be one reason why Indianapolis appears to be on the rise as a film location.)

Sheen made his acting debut at age nine, appearing with his father, Martin Sheen, in "The Execution of Private Slovik."

"My father set the initial example taking us around the world as kids," he reflected. Still, the decision to become an actor was always "left up to us."

Asked pointblank about the financial rewards of the acting life, Sheen jokes, "we make a hundred trillion dollars an hour." He appears discomfited by the question, but stays polite; "are you still in school? ... You're studying journalism? I wouldn't ask a lot of people that question."



Charlie Sheen entertains other team mates while filming the movie Eight Men Out in Indianapolis.

He numbers Robert Niro as a favorite actor, "outside of his father."

Sheen has also been cast in

"Platoon", "Ferris Bueller's Day Off", "Red Dawn", "Lucas", "The Wraith", and "The Boys Next Door." His last film was "No

Man's Land", in which he co-starred with D.B. Sweeney.

In "Platoon", Sheen recreated Vietnam, and brought harsh realities back to life which he could not have imagined without the experience of acting.

"It took a lot out of me too... The humidity's about 150 percent -- about 8:30 in the morning it's about 120 degrees. You're wearing 70 pounds on your back, sitting there trying to remember your dialogue."

Despite the hardships of acting, Sheen says he plans to work until "people stop hiring me."

---From an interview  
by A. Antonopoulos

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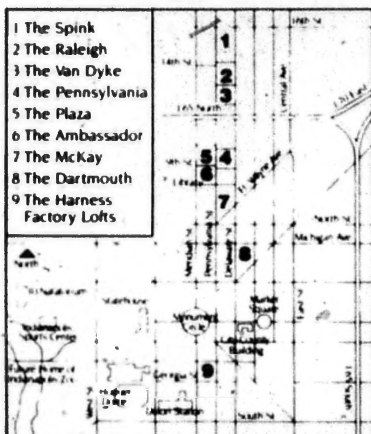
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Americans At Their Best.



# Sawyer Brown reaches for a star

Indy

## NITES

By RICHARD PROPEZ  
Arts/Entertainment Editor

In 1985, a relatively unknown band calling themselves Sawyer Brown exploded on the country music scene by winning the \$100,000 Star Search competition for best vocal group.

Since that time, the entire country has become aware of the band that began barnstorming nightclubs of the South in 1981.

Recently, the band was in town for two concerts at Union Station, and bassist Jim Scholten took time out to talk to the *Sagamore* about the band's rise to fame.

It all started in 1981, when the band, then known as Savannah, developed their high-voltage, energetic stage act, added stylistic costuming, and began touring throughout the South.

It didn't take long for the band to realize that the name Savannah didn't fit. They began petitioning family and friends for a new name. Sawyer Brown, actually a street in Nashville, Tennessee, was selected from 300 suggestions. Scholten believes that it reflects a "Tom Sawyer, Huck Finn image."

After a relatively uneventful couple of years, things began to change in 1983. One day, unexpectedly, their agent called and asked them to shoot a promo video.

After a bit of reluctance, the band agreed. Three days after submitting the video, bandmembers were sent plane tickets to Los Angeles for an appearance on *Star Search*. After watching the program the week prior to their appearance, Scholten said, "We didn't think we had a prayer. We were country boys surrounded by hard-driving rock and rollers."

Surprising everyone, Sawyer Brown ran away with the championship.

The bandmembers pride themselves on providing their audiences with a good time. They avoid any overt political or social issues in their music. Instead, they want their audience to be able to relax and break loose. "We all have a positive outlook, and we want our music to reflect this," commented Scholten.

Despite a variety of musical backgrounds, the band is very proud of their "rockin' country" roots. When asked why, Scholten replied simply that "country music is real honest and sincere. It makes you smile."

After playing nearly 300 dates a year, the band finds it hard to go back into the studio. While admitting that studio work does provide intense gratification, Scholten makes it very clear that their preference lies in performing for the live audience.



Members of the band Sawyer Brown

Scholten recalls vividly the thrill at being asked to open for the Kenny Rogers-Dolly Parton tour shortly after their *Star Search* win.

He points out that "We were able to learn so much about the organization and business skills needed to pull off a major tour."

While they loved playing in front of thousands of people, and admit that it was much needed exposure, the band still holds a special place in its heart for the club scene. "You can get so much more intimacy and one-on-one interaction in the smaller clubs," he comments.

Sawyer Brown was the winner of the Country Music Association's Horizon award in 1985; over 1.25 million copies of its first three albums have been sold.

Their latest LP, "Somewhere in the Night," is a surprising change of pace for the band. For the first time, they included a number of ballads and emotional numbers. Also, for the first time, the band recruited outside help for the song-writing duties on the album. In fact, nine of the 10 songs were writ-

ten outside of the group. The change has helped, as the album and several singles have soared the country music charts since the album's release.

With six videos behind them, Sawyer Brown is also a vital video force. "Video allows us to project our energy in a positive way," noted Scholten. Though Scholten doesn't feel that videos are necessary for a country band to be successful, he doesn't deny that a well-crafted video could be a vital link to increasing record sales.

Having just completed a tour with one of their idols, the Beach Boys, the band is now looking forward to a tour with the Charlie Daniels Band that is soon set to take off.

Though experiencing quite a bit of success already, bandmembers openly admit they want more. A platinum record is an immediate goal, and a widening appeal to the record-buying public is also sought.

"We'd love to have more extravagant lighting and theatrical stagings in our shows," concluded Scholten.

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# Weak script sinks Sayles

BY TIM LEONARD

It was a glorious, long-awaited moment for many actors with minor roles in John Sayles' latest release, "Matewan" two weeks ago during the film's Indianapolis premiere in the Emerson Theatre.

Many of the film's actors and crew were on hand recently to attend because of work on Sayles' new film, "Eight Men Out", and you could feel the energy their presence brought in the intimate theatre.

It was possible to sense audience members stiffen as their scenes played onscreen; loud cheers erupted with the appearance of every familiar face. Even actors with only one line found their performances met with thunderous applause.

Writer/director Sayles himself introduced the film—much to the surprise of the audience.

But putting sentiment aside, this film is far from the best that Sayles has put out in recent years.

First of all, I must assume that Sayles intentionally provides us with a paper-thin cast of characters because he wants us to see more than just the town people of "Matewan."

He wants to expand the story to all stories of miners throughout American history.

However, in the process of making a universal statement, he provides us with weak characterizations. The audience is left without having someone to identify with or care about.

Cinematographer Haskell Wexler, a genius of cinema, has tried his best to tie this film to-



Director John Sayles (right) and Director of Photography Bob Richardson on the set of the film "Eight Men Out" at Bush Stadium.

gether with consistent shooting, but without the proper accents (it is supposed to take place in North Carolina), and the right attitude for the period this film must rely on its plot to carry it. Sayles' script does remain true to history—however, it is short on details. Plot pieces are dumped in our laps on a moment's notice. Scenes are cut short before the drama is played out, and the crowds look like they stepped right out of a high school play.

James Earl Jones and Chris Cooper, here in major roles, unfortunately turn in weak characterizations. John Sayles's cameo role as a preacher, however, is a real gem.

Too bad this film doesn't have the authenticity that accompanies good writing, because Sayles knows how to pull strength from the principal actors—even when his script doesn't.

## Foreign film series a different flicker

On Thursday, the Herron Film Festival presents "I Vitanoni", an early Fellini masterpiece and one of the great works of neo-realism. The film deals with the lives of young, restless men in a small town on the Adriatic who are, each in an individual way, discontent.

Then, on Nov. 19, filmgoers

can view "Weekend"—Godard's unique brand of broken narrative and editing style highlight this French new wave classic.

On Dec. 3 there's a showing of "Do Des Ka'Den", a film about a group of Tokyo slum dwellers who, cheated by life, survive on

illusion and imagination. A passionate affirmation of life from Japanese master Akira Kurosawa.

All films start at 7:30 in the Herron Auditorium. Admission is \$3 per film or \$8 for the series.

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## Best beT for the weekend

This weekend, IUPUI theatre major Jim Mannan directs the latest Way-off Broadway production, "Women Behind Bars," a spoof by Tom Eyen on the old prison movies of the 50's and 60's.

The comic play runs this Friday, Saturday at 8 p.m. and Sundays at 3 p.m. through Nov. 29 at 520 S. Virginia Avenue. Admission is \$8. For more information, call 634-0879.

## Packrat's progress:

## Indy recycling in the 80s

By LESLIE L. FULLER  
Editor in Chief

Marilyn Milner has a varied clientele.

"I got some people in here driving Cadillacs and dressed pretty nice, then I get wines pushing grocery baskets . . . some people do it for the environment."

Milner, a second generation "packrat", is the owner of AA Can Recycling, a four-year old business located at 3738 E. 11th St. in Indianapolis. Her business handles copper, brass, stainless steel and "14,000 to 16,000 pounds of aluminum cans" a week.

Besides the wines and the environmentally conscious, Milner does a brisk business with schools and Girl Scout troops. There is the church that "got enough to pave the parking lot, and now they want stained-glass windows."

Beyond the monetary lure of bringing in old Coke cans for a few cents, Milner believes that in Indianapolis, people are "more conscious" of the ecological need to avoid pollution and decrease waste through the practice known as recycling.

"They're just now beginning to stress it a little more. They are beginning to segregate out cans from papers, they're having their trash picked up separately," she said.

Still, problems remain.

"I don't know what we're going to do with the bottles and sacks (of plastic). We're going to have to do something shortly, or be overrun," she said. "You take it (plastic) to the dump, you go back 10 years later and it's still lying where you left it. Chicago's been recycling certain plastics for 30 years."

Glass is another material not being recycled to the fullest extent in Indianapolis, says Geri Lester, an employee at Indianapolis Recycle Fibers.

"Right now, all told, we're got about 900 pounds of glass. No one else was taking it right now. We haven't really advertised. We thought we would try it for awhile and see how it worked out."

Indianapolis Recycle Fibers at 1775 S. West St. is a fairly big concern—50 tons a day of paper, five days a week pass through its warehouse. Workers buy, bale and ship paper waste to different mills where it will be converted into toilet paper, paper towels and diapers. The business also ships 12 tons of aluminum cans a month.

"Before I took this job, I never realized how many people recycle their papers and cans, everything," said Lester. "But it's been going on forever. It started with a man pushing a cart with tin and old rags."

She feels that the city "will eventually" make a stronger commitment to the practice of recycling. "There's going to be a lot more done to help the ecol-



ogy," she says confidently. "One ton of recycled papers saves 17 trees."

"I think Indianapolis is becoming more aware of recycling needs, although nothing is being done on an environmental level," said Lori Bernadine, administrative assistant for the Hoosier Environmental Council.

The council, which operates on a grassroots level using citizen volunteers for its mailings and lobbyist efforts, is attempting to get the capital city "into a recycling mode."

"Indianapolis is really into the Dark Ages as far as recycling is concerned," said Bernadine.

"We're running out of landfill space. As a whole, we're still very much a throwaway society."

Earlier this year, Bernadine marched through the phone book in an effort to locate all of

the state's recycling centers. "Many of the numbers had been disconnected, with companies going out of business," she said. "We need a recycling ethic."

Doug Torma, who directs the operations of City Enterprises, believes that Indianapolis is "about even with towns the same size" as far as its efficiency and recycling are concerned.

Torma said that City Enterprises does most of its business with local residents, including staff workers from IUPUI.

Besides the bottles and cans, the modern world of recycling can be bewilderingly complex, says Milner.

"Thirty years ago, when I started, you didn't have the exotic metals you have now, such as titanium. Sometimes you practically have to be a chemist to tell what kind of material it is."

"People bring in aluminum all mixed together and I tell them, there are seven different kinds and seven different prices for aluminum—there's different grades and alloys."

"Don't get me wrong, we're not budding genius. In fact at times we're (recyclers) blooming idiots. I guess you could call me a packrat. We came up in an era where money was harder to get than it is now. Things were conserved. 'You had to make things work. The way the stock market's going, they (younger generation) might learn sooner than they think,' she reflects.

"But there's always been a scrap market. There will be one in the future. Everything can be recycled."

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Compiled by M.E.M.

This week's horoscope with accompanying descriptions of the 12 signs of the Zodiac:

#### ARIES (March 21 - April 19):

Those born under the sign of the ram are impelled to leadership but, ironically, have a number of character flaws which frustrate their dreams of becoming sadistic dictators like their hero Adolf Hitler, a hornhead himself. Many Aries die young, thank God.

**This Week:** Now is not the time to invade Poland. Hobbies involving loaded guns and kittens could prove satisfying, but only for an hour or so. Listen to your mother.

#### TAURUS (April 20 - May 20):

Taurus the bull is born with an insatiable curiosity and is constantly asking questions. "Why am I here? What is my name? What am I doing in the middle of the street? Why are my pants wet?" are just a few of the questions Taurus asks every day. Taurus women are born with cuds and often spit their food across restaurant dining rooms. Many Taurus men have been successful in careers that require them to sit motionless for hours on end, quietly humming to themselves.

**This Week:** Business ventures fall through when you forget how to count. A personal relationship could bring happiness, but then again, probably not. Stop playing with your food.

#### GEMINI (May 21 - June 21):

Gemini, born under the sign of the twins, are two-faced liars and can balance heavy pieces of furniture on their foreheads. Gemini's love to party, but are rarely invited to do so because they're usually a bunch of low-lives who think high comedy is putting CheeseWhiz up the dog's nose. Gemini's foam at the mouth and can dance on their hands.

**This Week:** Travel becomes necessary after you lose your job because the boss discovers what a lying waste of air you are. You seek comfort in the arms of a circus clown. Your parents send someone to your house to tape your head to the floor.

#### CANCER (June 22 - July 22):

Born with a fine downy fur, crab people spend most of their time grooming themselves and coughing up furballs the size of grapefruits. They like to dig for

grubs, using their long, flat noses to flip the dirt over their heads. They sun themselves on large rocks while small birds pick food from between their teeth. They smell.

**This Week:** Work conditions continue to improve. You get fired, your feet swell, your fur falls out, your gums bleed, your thighs chafe. Drink plenty of liquids and then induce vomiting.

#### LEO (July 23 - Aug. 22):

Leos are egotistical louts who drink too much and talk with their mouths full. Leo women hang out in bars and wear their underwear outside their clothes. Leo men have trouble making change so they usually pay for everything with pennies they keep wrapped in cellophane and taped under their arms. "We like our pennies warm," says Leo.

**This Week:** People from other cultures pelt you with rocks and stones. Family get-togethers have to be put off while you attempt to have the restraining order barring you from any contact with your family lifted. Dogs laugh at you.

#### VIRGO (Aug. - Sept. 22):

Virgos are a neurotic bunch, prone to fits of depression during which they sometimes spontaneously explode. They can often be found squatting around a fire picking lice off each other. When angered or frightened, Virgos spit and hiss and run around in circles until someone trips them or they run into a tree. Children hate them.

**This Week:** You're hungry for an intense emotional experience but are unable to stop hissing and spitting long enough for anyone to talk to you. You sprout antennae and wings begin to develop behind your ears. By the end of the week your head flies off, hissing and spitting.

#### LIBRA (Sept. 23 - Oct. 23):

Symbolized by the scales, Librans seek balance in their lives. Unfortunately, they are usually born with one leg two to three feet shorter than the other so they are constantly tipping over and hitting their head on the coffee table. Dazed and confused, they tend to gather in corners, rocking back and forth and swatting at imaginary bats. Most people think they're nuts.

**This Week:** You find it easier to verbally express yourself, but your tongue swells to three times its normal size so no one understands you. Your writing and communication skills improve, but not to the point that you can actually read or write.

#### SCORPIO (Oct. 24 - Nov. 21):

Scorpios are a vile and obnoxious bunch. As children, they are often abandoned by their parents and rove the countryside in large packs hunting down squirrels and making hand puppets out of them. Adult Scorpios make successful doctors and lawyers, but not in any country you've ever heard of. When daydreaming, Scorpios snore.

**This Week:** Your health im-

proves, but you still can't pull your hands from your face and stop screaming. Towards the middle of the week it will be Wednesday. Try not to act so surprised. A crowd of Mormons gather at your feet. "Kick us," they say. It's some sort of clever Mormon trick. Don't do it.

#### SAGITTARIUS (Nov. 22 Dec. 21):

Although symbolized by an archer, Sagittarians are notoriously bad aims and frequently stab themselves with forks while eating. Distinguishing characteristics include drooling and a brightly colored rump. Sagittarians are known for their ability to identify kindling, which they use to put out fires.

**This Week:** Your charisma factor is higher than usual. People stop to talk to you but quickly realize what they have done and walk off. You give birth to a humpback whale.

#### CAPRICORN (Dec. 22 - Jan. 19):

Capricorns age very quickly and are sometimes born needing a shave. Capricorn women enjoy dressing up as goats and calling themselves Sheena. They'd dance, but their hooves slip on the slick floors and if there's one thing Capricorn women hate it's lying on the dance floor with their four legs akimbo. Capricorn men also enjoy dressing up as goats, but they prefer to be called Lilly.

**This Week:** The public accepts you for who you are and begins proceedings to have you neutered. Lifelong friendships end. Someone from your past forgets they ever knew you.

#### AQUARIUS (Jan. 20 - Feb. 18):

Aquarius, the water bearer, seeks justice out of life and is constantly tying up the courts with frivolous suits. Aquarians are born with removable buttocks and often forget where they left them. Aquarian women have trouble keeping their hands off themselves and are frequently hauled into court for sexual self-harassment. Aquarian men come in all shapes and sizes, but are usually about three inches tall with large tufts of edible grass growing from their heads.

**This Week:** Friendship can turn into love, so keep a sharp eye on that dog of yours. Listening in on telephone conversations proves worthwhile. Secret financial maneuvering, such as stealing, can work to your benefit.

#### PISCES (Feb. 19 - March 20):

Those born under the sign of Pisces the fish like to rub themselves with odiferous plants and stand on street corners slapping themselves repeatedly and screaming "I am Zoruck, king of canned goods. I'm a big niblet." Piscean men and women make good house pets but can't be trusted with small children, which they will eat.

**This Week:** Avoid making rash decisions. Avoid rashes. Avoid decisions. Slip into a coma. Slap yourself.

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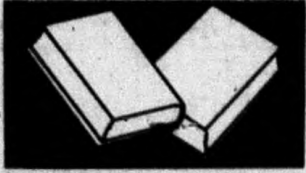
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# Novel a mammoth success



## IN REVIEW Books

By NADIFA ABDI  
Staff Writer

Nordic blondes co-existing with Neanderthals?

No, it isn't modern campus life— it's Jean M. Auel's "The Mammoth Hunters", the third novel in her highly lucrative Earth Children series.

Moviegoers might remember Ayla the cave babe, who was portrayed by Darryl Hannah in the 1985 movie "Clan of the Cave Bear", an adaptation from the first novel in the series.

In the first novel, Auel introduces Ayla as a foundling who endears herself to the medicine woman of a traveling Neanderthal clan. The medicine woman and her brother, the clan's spiritual advisor, raise Ayla despite the fact that she seems ugly and frail compared to the fine hulking clan children.

The rest of the novel is devoted to her learning clan ways and suppressing her own inclinations.

The clan members are born with the memories or instincts of their ancestors and are not "taught" as children but reminded. At the same time, the clan cannot learn new concepts or new ways of doing everyday functions because their brain capacity doesn't allow for it.

Ayla has no ancestral memories but her brain is constantly learning new ideas and new ways to improve situations.

Ayla travels to look for others like herself in the second novel, "The Valley of the Horses". She leaves the clan after both her surrogate parents die and the leadership changed to a hostile one.

"Mammoth Hunters" continues the saga of Ayla and her life in prehistoric Europe after she leaves her valley. In this novel, Ayla has a companion who she nursed back to life at the end of the second novel. Jondalar was a traveler who was of the same people as Ayla. He taught her his language and his customs.

Jondalar, constantly amazed and morbidly fascinated by Ayla's stories of living with the "flatheads", brings a constraint to their romantic relationship. There was considerable prejudice between the "others" and the "flatheads" and the reader can't help but make comparisons to modern society's many prejudices.

Ayla and Jondalar meet and visit with a group of "others"

who hunt the mammoth. During their stay Ayla learns to interact with her own kind. In the process, Ayla comes to terms with her own sexuality and desirability.

Auel spends paragraphs detailing the advanced sexual practices of people who supposedly lived millions of years ago. Jackie Collins could have taken lessons from Auel in description alone.

I would have understood her point and enjoyed the book more without the forays into the sexual superiority of the "others". I

wonder if Auel's publishers thought the book wouldn't have sold otherwise.

An enormous amount of researched information is contained in the third novel alone, the importance of religion, social hierarchy, hunting methods and tools of that period.

It was disappointing that the author's description of the "others" was not as thorough as the "flatheads". With her first novel, Auel suggested that the evolutionary mix of the "others" and the "flatheads" would become modern man, but her description of Ayla and the "others" didn't continue in that same vein. The "others" could have fit into today's society with no problems of being physically different.

"The Mammoth Hunters" was enjoyable as a fictional history of people who may or may not have existed. Part of my fascination was wondering if they might have existed and how close was Auel in depicting their life. Auel maintained rigid control of her characters and her description of the period was thorough. A well written novel.

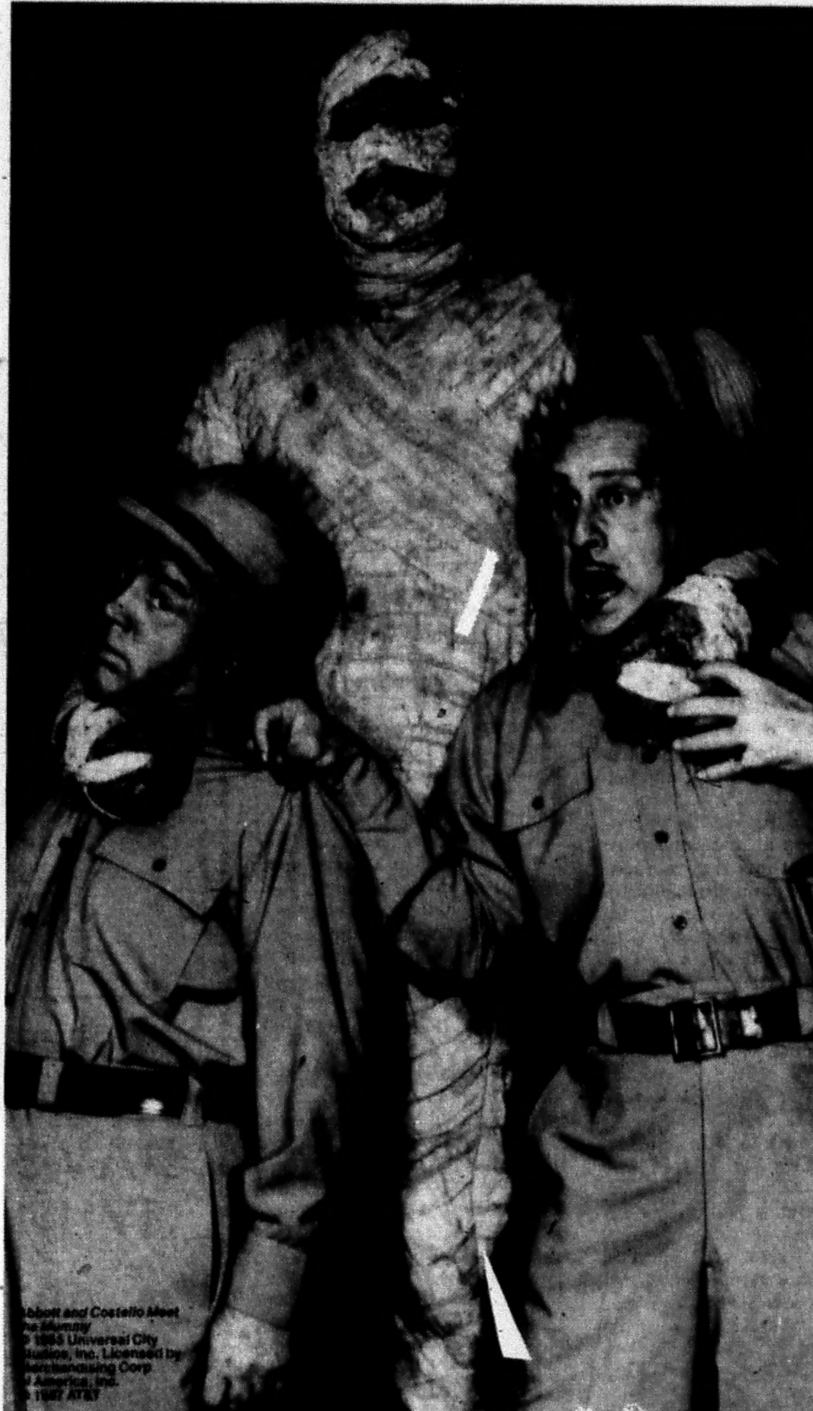
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## Debating sharpens verbal skills

By MATT KEATING

The IUPUI University Forum has opened what looks to be another successful year in local and inter-collegiate debating.

This year signals the beginning of a whole new way of debating between college campuses. From now on, every college across the country will have the same National Debate Tournament topic.

"I think it's a more educational way of debating. Everyone has the same topic to focus on instead of debating on several different topics at the same time," said David G. Burns, director of the debating program.

The only major problem that seems to be facing the forum appears to be lack of participation from the IUPUI student body.

"The support from the administration has been wonderful, but student support has been somewhat of a problem. We kind of have a low profile, and I don't think that students realize what all is involved," said Linda Proffitt, President of the University Forum. She added that "People have the urge to talk about things that they think are important, but they don't always come out and say them."

"Maybe students are not aware of some of the problems that are debated. We have a wide variety of points of view that are presented at the debates, and the Forum pro-

vides an opportunity to meet a structured need," said Burns.

He added, "Another reason for the low turnout may be because we (IUPUI), are not a residential campus, and people are not able to attend."

Though limited in numbers, the quality of University Forum is high. In the team's first inter-collegiate meet at Otterbein College, IUPUI captured three of the six debates held during the competition among some of the country's hottest debate teams.

"Debating is a good addition to what students have already learned. They are able to use their knowledge to present arguments on both sides and expand their skills. It's the best educational training there is," said Burns.

Some of the team's upcoming topics include "Abortion: Should it be stopped?", and an on-campus debate entitled, "Housing on campus."

The University Forum is also joining forces with the IUPUI Geography department to sponsor a debate titled, "Resolved, that all IUPUI students should be required to pass G103 World Geography."

The debate will be held Nov. 16 at 2:30 p.m. in Cavanaugh Hall Room 205, and is open to the public.

For more information on University Forum activities contact Burns at 274-0565.

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# IU Dental School part of national enrollment decline

By ANGIE ANTONOPOULOS

Substantial declines in enrollment in dental schools nationwide have not left the I.U. School of Dentistry untouched.

The number of freshmen enrolled in the I.U. School of Dentistry has dropped from 129 students to 71 over the last eight years, or almost 45 per-

cent, according to student affairs dean Robert Bogan.

That decline is substantially higher than the national average.

Last May, the *Wall Street Journal* reported that national enrollment in dental schools has decreased by 25 percent since 1979.

About 450 students are cur-

rently enrolled in the dentistry school here at IUPUI.

In 1967, the school received 346 applications and accepted only 72.

That selectivity is one reason for the enrollment decline, Bogan said.

School of Dentistry Dean H. William Gilmore points to the reduced pool of college students,

adding "Other careers are more attractive than health care."

Gilmore said it is fairly easy for medical students to go into debt from the expenses of schooling and beginning a practice.

Dentistry junior David Pfotenbauer believes that past enrollment trends are responsible for today's decline.

"If you look back historically, there was an increase in demand for dentists about twenty years ago," Pfotenbauer said.

It is generally established that the I.U. School of Dentistry is well-established and unlikely to be seriously threatened by the national trend toward lessened enrollment.

The School of Dentistry offers a well-rounded dental education," said Dr. William Borman, diagnostic supervisor.

"We are better equipped to do anything," he said.

Students receive a wide range of training and learn to conduct

a variety of dental services, including oral surgery. It is also a school requirement that students work for a dental practice every summer during their years at the school.

"Practicing on real patients in the best part of dental school," said senior Johnanna Manous. She added that the School of Dentistry offered her a "well-rounded education" and that she is excited about getting into the real world.

## Students pay higher portion of costs here

By LANCE UTTERBACK  
Staff Writer

Non-health degree students in the I.U. system are paying more than the national average share of the school's instructional cost.

Nationally, the average instructional cost for a student is 24 percent but IUPUI students are currently paying 43 percent, according to Glenda Smith, chairman of the State Legislative Co-ordinating Committee of the Student Senate.

This figure is the ninth highest in the nation.

In other business, the final preparations for the basketball blast are almost completed, the Senate agreed to co-operate in a fundraising effort with the United Way, and Linda Proffitt has relinquished the chair of the housing committee.

The SLCC is part of a statewide organization of campus groups which lobby the state legislature on student issues.

One goal of the IUPUI chapter is to decrease the percentage of students' contribution to the instructional cost by one percent per year over the next 10 years.

"Our contribution toward our education should only be a third," she said.

There was discussion on the Senate floor concerning an existing legal limit to the percentage of the instructional costs universities can pass on to students, but a university official said he is not aware of such a constraint.

"We hope that the state would contribute two-thirds to 70 percent of the instructional cost," said David Robbins, Director of Budgeting and Fiscal Affairs. "(But) to the best of my knowledge there is no statute regarding what they have to pay or what they should pay."

The SLCC's plan would call for a cap on student contributions of 33 percent and a base of 25 percent. The latter figure was the percentage paid by IUPUI students in 1974.

Rather than trying to lower tuition, the SLCC wants to prevent student costs from rising as fast as instructional costs. The 10-year plan would put IUPUI at a level more consistent with the rest of the country.

Students on the Bloomington campus of Indiana University also pay substantially more than the average share of instructional costs. Students there pay 41 percent of the cost.

Final preparations for the basketball blast are being com-

pleted. Metro 100, the Student Senate, the Residence Hall Association, International Students and Black Student Union are among the many campus groups involved with this event.

There will be a pre-game pep rally and a dance sponsored by RHA featuring a 1950's theme at the Student Union Building after the game.

The Senate agreed to help The United Way in a campus-wide campaign to raise money for the

needy. The Senate will be placing donation canisters at central points at each school on campus.

Linda Proffitt has resigned as chairman of the housing committee in order to better fulfill her duties as vice president of Student Assembly.

Deb Smith, a graduate student and senator from the School of Social Work, has replaced Proffitt as housing committee chairman.

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## Quakers end Metros' season, 3-0

By JOHN KELLER

Much like the weather, the IUPUI soccer team turned cold last Thursday as they were shut out 3-0 by Earlham College in the second round of the NAAIA District 21 playoffs.

The Metros began playoff action Nov. 3 when they faced Marion College for the third time this year. The game was held on the auxiliary field at William Kuntz Stadium on 16th Street, a field which the Metros had never played on before.

With less than five minutes remaining in the first half midfielder Kevin Scanlon scored on a shot that deflected off of a defender's head and caught the inside right post of the goal. Scanlon, who has a knack for scoring from inside the penalty box, registered his fourth game-winning goal of the season.

In the second half Marion came back strong. They almost scored with 16 seconds left in the match, which put a scare into Metro Coach Joe Veal.

"It's tough to beat the same team three times in one season. We lacked the intensity that we had when we faced them earlier," said Veal who believes that his team "peaked out" a little too



Metro freshman Keith McCulloch tries to get around a Marion defender in Tuesday's 1-0 Metro win.

Photo by MARINA KALYVAS

soon.

The Metros season came to an end when they traveled to Richmond on Nov. 6, losing 3-0 to the Quakers of Earlham College in the second playoff round.

"We just couldn't get anything going. We couldn't get the ball close to the goal and they shut us down," said Veal. However, he was not totally discouraged because he felt that his team showed pride in their play and can only get better next year.

"Coach Veal pulled us together

very well. He did a nice job of putting together a winning team in the amount of time he had," said freshman Tony Kwiatkowski, showing enthusiasm towards the squad's outlook for 1988.

With an overall record of 15-5-1, Veal attributes part of the team's success to the fine defensive play of Joe Sochacki and Guy Cunningham.

"Cunningham had a lot more to worry about than Sochacki. He usually had to mark the opponent's best man, allowing Sochacki to attack more offensively," said Veal.

Also impressive on defense was the goalie Corp of Ted Miller and Stan Miller, Jim Kukola and Brian Bowling which shut out opponents in 10 games, allowing only 0.71 goals per game.

The Metro offense, led by Keith McCulloch's 17 goals, scored a total of 44 goals. They averaged over two goals per contest.

NAAIA District 21 playoffs in Indiana were completed Saturday, Nov. 7 with second-seeded Earlham facing fourth-seeded Tri-State University of Angola, who upset top-seeded Goshen 3-2 in the second round Nov. 5.

The 1987 women's volleyball team finished their regular season with the best record (24-6) of head coach Tim Brown's seven year career.

They opened tournament play Nov. 6 and Nov. 7 against seven other teams in District 21 competition. A win would advance them to the Bi-district championship against the winner of Kentucky's tournament.

Defeating Kentucky would give Brown his second chance to take a team to the NAAIA National Tournament at Milwaukee Wisconsin.



Head coach Tim Brown

Junior Marcy Bixler demonstrates the fine art of the jump serve.



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# Metros fall, contest flops



**OUT  
OF  
BOUNDS**  
By MARK WHITE

Have you ever thrown a party where nobody showed up?  
I have.

Last Tuesday the athletic department and I sponsored a contest for people to guess the final score at the last home volleyball game. Prizes included: free hair cuts, a free flower arrangement, free hypnosis, an autographed game ball, free limousine service and \$5 cash. Winner take all.

I wrote a computer program that would effectively manage the incredible wave of entries that I would undoubtedly receive. As it turned out, I could calculate the winner in my head.

Nine official entry forms filtered in. Four of those were in the same handwriting and had the same last name.

In addition, there were entries by four people whom I deemed ineligible to win. They were sports information director, Marika Kalyvas, the two head coaches and myself.

The most interesting part of the evening was getting the coaches to fill out entries. IUPUI's Tim Brown was hesitant at first, but Arnie Ball, Fort Wayne's skipper, dove right in.

With pens in hand, Ball's right, Brown's left, the two stared silently at their blank forms.

Ball broke the silence, "how bad are you gonna beat us?"

"I was about to ask you: the same thing," Brown replied. Ball came back "Well, I'll let you see mine if you let me see yours."

Then, in a flurry, they completed the task at hand. I informed them that they were not eligible to win the prizes and Ball commented "That's good, I wouldn't want us to be tempted to doctor the scores."

Although they did not see each others predictions, they were amazingly similar. Both had their own team winning the first game, dropping the next two, coming back to take game four and winning the match in a fifth game overtime.

The outcome of their predictions was somewhat less amazing. Out of 13 total, Ball finished 10th and Brown placed 12th.

However, Ball got much better results from his team. They swept the Metros in three games: 15-6, 15-10, 15-11.

The final score brought to light the single most important factor in making a good prediction, specifically, the number of games needed to win the match.

Only two contestants thought that it would take just three



Prize winner Juan Cabrera holds the copy of the Sagamore from which the winning entry came.

Photo by MARK WHITE

games to decide the outcome, and only one of the two picked Fort Wayne as the winner. Unfortunately, since that person had organized the contest, he had already declared himself ineligible to win.

Ironically, the only person to predict a sweep by the Metros, which seems to be the worst prediction, was also the only eligible contestant to precisely guess the scores of the final two games which were 0-0, 0-0.

Another entrant said that Fort Wayne would win in four games, and although he had to overcome a fourth game prediction of 15-7, his first three games were close enough to tie him for first.

The tie-breaking system was simple; the earliest entry, among those tied, was the winner. Paul Deak was the name on that entry.

See FLOP, Page 18

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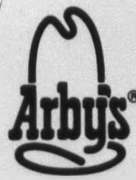
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Rec-ing Crew (3-1)

Sunday 11/15 3:30 PM

Sunday 11/8

3:30 PM

SPEONS (4-4)

Sunday 11/15

2:00 PM

Co-Techs (2-2)

Sunday 11/8

4:30 PM

Pukes & Grunts (3-1)

## Flop

Continued from Page 17

The crowd was so small that practically everybody knew everybody else by name. Mr. Deak was pointed out to me, and the following conversation ensued.

"Are you Paul Deak?"

"Yes."

"You probably won't believe this, but you have won the contest."

"What contest?"

"The contest to predict the final score."

"I didn't enter any contest."

Clearly, God was punishing me.

The contest committee felt that if Mr. Deak had had any knowledge of his entry he would have been declared the winner. However, in addition to picking the Meds, he neither participated in or authorized his entry and was therefore disqualified.

Another irony was that, Juan Cabrera, the person assigned to take a picture of the winner, turned out to be the winner. I had to borrow his camera to take his picture.

The final irony was that on a night when we hoped to produce the biggest crowd of the year we saw one of the smallest.

I would like to extend my sincere apologies to the soccer team for holding a contest on the night of your first tournament game.

I am sorry that we will not have an opportunity to promote attendance for your games since your season has ended. Considering the results of my last effort, you are probably much better off without my help anyway.

### FINAL RESULTS

NAME	POINTS MISSED
*Mark White	5
J.C. Cabrera	35
Paul Deak	35
Paul Jennings	46
Laurie Deak	50
*Marika Kalyvas	54
Brent Ridencor	54
Amy Steinburger	62
Judy Deak	64
*Arnie Ball	67
Candice Wheat	68
*Tim Brown	69
Jane Deak	70

\* = ineligible

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Hide all ashtrays, matches, etc. Lay in a supply of sugarless gum, carrot sticks, etc. Drink lots of liquids, but pass up coffee & alcohol.

Tell everyone you're quitting for the day.

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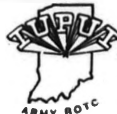
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\* see page 47 in the spring schedule for G102 & G202

## CLASSIFIEDS

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CLASSIFIED deadline is  
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Lifeguard needed. Part-time hours, 10 minutes drive from campus. Call 241-9226 for further information. (1)

## For Rent

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Lovely furnished BRM apartment for rent. From Dec. 16 to March 16 or longer. Phone (317) 846-8828. (3)

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Housekeeping services - Apts, Homes, Small Business. Call Peg 368-0988. (3)

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At 6:30, Dr. Terry Zollinger will speak on  
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Free Hors d'oeuvres and cash bar from  
5:30 to 6:30 so come early.

# Intelligence central to notion of self

Continued from Page 1

does not detract from its essential diversity. Notes McCorduck: "All these differentiated things have a common property. It doesn't take anything away from this blooming, blowing world to say that they're (structures) all made up of cells."

The fact that everything from a road sign to Milton's "Paradise Lost" share an underlying similarity is "no stranger or odder than to discover what the basic block of matter is."

McCorduck, NOVELIST turned researcher, sees the computerized universe of tomorrow firmly grounded in the literary traditions of today.

As a child, McCorduck's mother often read to her from Grimm's Fairy Tales. As she got older, her favorite book was "The thing I had read last. I was a text-freak."

Today, it is her daily practice to read the *New York Times* cover to cover. Unsurprisingly, she is not among that number who expect the traditional forms of literature—books and newspapers—to simply vanish.

"It will be a long, long time before print disappears. Anything that replaces print has to have that same portability—and same kind of resolution as print. It's very hard to read a computer screen for very long."

"One thing that's really easy in a newspaper is browsing. You page through, just looking at things. And it's cheap. You want to leave it on the subway when you're done with it."

She contrasts the inherently passive medium of television with that of computers: "Both are cathode-ray tubes, but there the resemblance ends. The information that comes to you from your screen demands participation. It really demands that you pay attention to it, tell it what to do."

She readily admits the difference between the training achieved by print and television. "The kind of abstracting skills that you automatically learn when you're reading—when you're literate—give you a sense of cause and effect. People who are illiterate don't understand metaphor or analogy. And that it is a terrible deprivation, not to know these things."

McCorduck believes that it is the cumbersome nature of current computers that bars them from wider use, not their expense.

"Money is not the problem. It (widespread use) could occur right now. Chips were being sold on the West Coast recently for literally pennies. The cost factor is relatively trivial. Computers are difficult to use."

Even so, "The generation that learned the QWERTY (old typewriter system) keyboard is lost," she concludes simply.

"THERE IS A LARGE number of people who are willing to use the computer as a tool, and a small number who are willing to get in there and rearrange the data for their own purposes,"

she said. "Hopefully, their numbers will grow."

(In an interview published in the Nov. 5 issue of *Rolling Stone*, Timothy Leary, another ex-Berkeley resident, commented, "In the next five years . . .

. . . You'll be able to move information and images around on your screen in whatever way you want . . . if you are passively watching screens, you are being programmed. If you are editing your own screen, you are in control of your mind . . . This will create a new model of human being, the cybernetic person. New movement is emerging . . . It's called cyberpunk.")

McCorduck, who came to IUUPI under the auspices of the Visting Scholar Program sponsored by the Institute for the Humanities, addressed a luncheon for educators last Thursday and urged them "to look at your discipline."

"YOU HAVE TO LOOK at your life's work. What is your life's work about?"

"Up 'til now the humanists have ignored artificial intelligence. I think I know why. But I'm telling you now; don't do it anymore. It's central to our notion of ourselves."

"INTELLIGENCE IS central to our notion of ourselves. We are the makers and creators of artifice . . . Can a machine think? Is it thinking if a machine does it? We are going to have to live in a world that has intelligence that are not human."

"Symbols are a human being's most important product, project, function. The new humanities, I believe, will have an understanding of this symbolic veneer that human beings have constructed."

"I think what we will see is what is known as the intelligent system. Machines doing what they do best and people doing what they do best."

COMPUTERS WILL bring the processing resources to human beings so they can solve problems that are currently so difficult they "crack the heads of those who try to solve them."

Chief among of the most helpful of contemporary computer innovations are "expert systems." "Expert systems are a subset of artificial intelligence that permit very fast processing," she said.

McCorduck explained the theory that computer development has been following an evolutionary pattern that mimics perfectly the emergence of human intelligence.

FIRST, SHE SAID, there was the computer switch, which imitated the action of the neuron. There was the first crude computer, which can be compared to the worm in complexity. Then there was a smarter computer in 1980, similar to the first dumb land beast.

McCormick and some of her colleagues place the date for "fully intelligent machines" at the year 2010.

Students, faculty and staff will have the opportunity to hear McCorduck lecture throughout the week.

On Monday, the School of Education will host a faculty forum entitled, "Intellectual Impact on Computing." Tuesday, there will be a public lecture and reception at 7 p.m. in the Indianapolis Museum of Art on the subject of "The New Humanities and Art."

Wednesday, she will deliver a lecture about "The Venus of West 53rd Street" to an introductory art class at the Herron School of Art at 4:15 p.m.

On Thursday, McCorduck participates in a brown-bag luncheon at the 38th St. Campus at noon until 1 p.m. and then will speak to a 4 p.m. History of Psychology class concerning "Computers and Anxiety."

On Friday, from 2-3 p.m. she will discuss "The Computer Enthers the Legal Dream" at the I.U. School of Law at Indianapolis in the Faculty Lounge.

For more information, call The Institute for the Humanities at 274-2447 or the respectively scheduled school.

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