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volume sixteen, number twenty-five

august 3, 1986

## FOUR-PHASE BONE LOSS STUDY NEEDS MORE VOLUNTEERS

**L**oss of bone mass leading to painful and deforming osteoporosis may be caused by factors other than calcium deficiency in the diet, our researchers are speculating. Among other problems, this condition causes hip fractures that cost the nation about \$6 billion dollars each year--not to mention the cost in pain. While it is found in nearly all populations, it is a major health problem among Caucasian females after menopause. One variable in bone loss is a woman's hormone level before and after menopause, and this area is one of four being studied with a five-year, \$3.5 million federal grant. Internationally known expert on the subject, Dr. C. Conrad Johnston, professor of medicine, is coordinating the project, and he and his researchers need more volunteers. For example, some diabetics seem to be protected from major bone loss--people with Type II diabetes, known as adult-onset diabetes--so Dr. Johnston needs volunteers with this type of diabetes to study why they are protected. Life-style, diet and exercise also will be studied.

The specific types of volunteers needed for this study must be Caucasians. One group needed must have Type II diabetes. Another group needed is female twins sets over 30 years old. Also needed are male/female twins sets, ages 6-14 years. Finally, female volunteers ages 38-45 approaching menopause, and volunteers ages 45-50 in the early stages of menopause are needed. There is a remuneration. People accepted in the program "will learn something important about themselves and their health," says Dr. Charles W. Slemenda, assistant professor of medicine and researcher in the program. He adds, "And, of course, they will be helping us add to mankind's knowledge of a very serious disease." Call the Medical Center's Bone Studies Office, 274-4035.-TW

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Special Day for Women The IUPUI Women's Studies Program, joining 29 other units, is participating in the YMCA's annual event, "Discover the Women's Community." There will be literature, round-table discussions and refreshments. The event is Sept. 14, 2-4 p.m., at the YWCA, 4460 Guion Rd. The fee is \$3. To make reservations, or for more information, call 299-2750.

## NATIONAL EXPERT ON LEADERSHIP DEVELOPMENT TO GIVE SEMINAR

**Sheila Murray Bethel**, one of the nation's highly acclaimed teachers of leadership, will give a seminar here Aug. 7, 9 a.m.-1 p.m. in BS/SPEA 4087. Bethel says that institutions can train people to be leaders, and people can also train themselves to take the leadership roles needed for success in the next century. Her seminar, "Leadership - Maximizing People Potential" offers a comprehensive investigation of workable qualities of leadership and how executives and other leaders can incorporate these qualities in the workplace and get results. The seminar is offered through the IUPUI Div. of Continuing Studies and the cost is \$35. To register, call Ramona Radford, 274-4501. (Bethel is also one of 70 distinguished panelists who are on campus to address students here for the Hugh O'Brian Youth (HOBY) Foundation International Leadership Seminar, Aug. 1-9.)

NEWS 'N' NOTES FROM HERE 'N' THERE

Nurses Get \$12 A Month--On this day 125 years ago, Congress said it was okay to hire nurses for Army hospitals and to pay them \$12 a month, plus one ration a day. They began nursing the military in 1777 at \$2 a month, plus one ration. You can also celebrate smiles, appreciate umpires, and remember that on Aug. 7 we are officially halfway through summer.

Extension--The deadline for applications to the Dental Assisting Program is extended through final registration, Aug. 20-25. Applicants must be enrolled in IUPUI or be eligible to enroll and they must submit high school transcripts or GED equivalent. For fees and more information about the one-year certificate program, call Prof. Pauline Spencer, Director of Dental Assisting, 274-4407.

Multi Martial Arts--All oriental martial arts will be exhibited in the second annual US Open Martial Arts Championships in Indianapolis, Aug. 9. For more, call 297-4488. For the first time, martial arts will be a Pan Am sport in the '87 games.

Free Films--Bring blankets or chairs and the family and see free films in the IUPUI outdoor film festival. "Doors" to the soccer field open at 7 p.m.; cartoons and shorts begin at 8 p.m., and the feature film at 8:45 p.m. "West Side Story" is the feature on Aug. 7; "Singing in the Rain" the feature on Aug. 14. Bring food or drinks, or buy hot dogs and soft drinks. All welcome.

Dental Library Break--The School of Dentistry Library has vacation hours through Aug. 26. The library is closed weekends and is open weekdays 8 a.m.-5 p.m. Normal hours resume on Aug. 27.

First of Five--The IUPUI Microcomputer Group, along with Purchasing, is offering free seminars to discuss microcomputer hardware purchases and the mechanics of the microcomputer purchasing process at IUPUI. Faculty and staff can learn to select the best equipment for their needs. The Group meets often with vendors and is informed about prices, model changes and options--important information, as many hardware vendors are adopting a "no returns" policy. The first seminar is Sept. 5 at 11 a.m. in ET 1030D. It is limited to 15 people. To make reservations, call 274-0710.

End-User Help--The School of Medicine Library is offering instruction in end-user searching. Weekdays, 8 a.m.-5 p.m., reference librarians will be giving hands-on training with BRS Colleague, the National Library of Medicine's Grateful Med and/or PaperChase. Regular search fees apply. For more, call 274-7185.

Ride from Westside--Paula will gladly pay for a ride to and from campus from the area of West Washington St. and Lynhurst Dr., Mon.-Fri., 8 a.m.-4:30 p.m. Call 274-8442.

U. of C. Alumni--The U. of Cincinnati Alumni Association of Indianapolis begins its '86 Luncheon Series on Aug. 12 at the Columbia Club. Call Tom Welch, 842-5635.

CST Meeting--The Manufacturing Technology Committee of the Corporation of Science and Technology meets Aug. 12, 9:30 a.m.-2 p.m., at the Sheraton Marten House.

Grants Available--The James Whitcomb Riley Memorial Association has made available research grant-in-aid applications for 1987-88. Research proposals are limited to those dealing with Riley Hospital patients. Deadline for submission is Nov. 28. Forms are in the dean's office, FH 318, or call Mark Spalding, 274-5265.



## DOT OPENS OHIO BRIDGE EARLY; SET TO CLOSE NEW YORK AT CANAL

Workers doing double shifts and working longer days and weekends prompted the early opening of the redone bridge on Ohio Street over canal. Drivers can switch to that route as the New York Street bridge over the canal is set to close mid-August. The Michigan Street canal bridge area remains closed as construction continues. Michigan and New York bridges are expected to open sometime in December. Here's hoping the new bridges last more than a half century, as the old ones did. Other DOT news that may affect campus travels includes the expected closing Sept. 2 of W. 21st St. over Big Eagle Creek, and the opening Aug. 11 of 10th St. from Illinois to Pennsylvania Sts.

## SPECIAL ENGLISH TESTING SET FOR AUG. 14

The Dept. of English offers English as a Second Language courses in spoken and written English for international students and permanent residents. Testing for placement in any of the beginning, intermediate or advanced level sections is required before fall classes. The next test date is Aug. 14 at the University Testing Center, BS 2010. Call 274-2629 for an appointment. Among the ESL sections is L100 which focuses on students' spoken language skills and is designed to correct punctuation problems, to improve aural comprehension and to enhance active participation in formal and informal dialogue. Sections W001 and W131 also will be offered to students to improve written English and to fulfill degree requirements. For more information, call Dr. Ulla Connor, (CA 502J), 274-0082 or 274-2258.

**DENTAL RESEARCH NEEDS VOLUNTEERS** The Oral Health Research Institute is recruiting participants for several studies relating to research to test the effect of different toothpastes on gingivitis (inflammation of the gums) and calculus (tartar) formation. The three-month projects will require home testing of toothpaste or mouth rinse. Participants will receive free dental cleanings during one-hour appointments and will have two exam appointments of 15-20 minutes each. Those who complete the project will receive \$35. Call 274-8822, 8:30 a.m.-4:30 p.m., weekdays.

## POSITIONS AVAILABLE

**FOUR PART-TIME TEACHING, SCHOOL OF NURSING.** Non-tenure track. Areas of expertise include medicine-surgical, pediatrics, chronically ill. Requires MS in nursing. Contact Dr. Patricia Blake, assistant dean, 610 Barnhill Dr., 274-7901.

## MARITIME TRAINING EXPANDS THIS FALL

While free courses in navigation and seamanship continue on campus, the newly formed Institute for Marine Technology at IUPUI and Continuing Studies is offering a series of serious boating courses that will prepare students for the Coast Guard exam and a captain's license. Those who complete the full course offering will also qualify to serve on private yachts as first officer, navigator, safety officer, communications officer and other positions. All courses begin this fall, and they include access to ocean trips, as well as local boating experiences. For a schedule, or more information, call Prof. Reginald C. Eggleton, 274-8822 or 293-7509, or call Continuing Studies, 274-4501.

**OPENHOUSE** If you want to see what is offered in many new educational, cultural and just plain fun courses offered by Continuing Studies, come to open house, Aug. 21, 4:30-8:30 p.m. in the Roof Lounge of the Union Building. You can meet faculty and staff, enjoy refreshments and sign up for courses that can get you out of your rut.

### LIPKOWITZ TO LEAD GORDON-SPONSORED SCIENCE CONFERENCE

As a direct result of a successful molecular mechanics symposium on our campus in 1983, Kenneth B. Lipkowitz and two Eli Lilly and Company researchers have been awarded funding for the first Gordon Research Conference on Computational Chemistry to be held Aug. 18-22 at Colby-Sawyer College, New London, New Hampshire. Lipkowitz is an associate professor of chemistry in the School of Science. He and Lilly research chemist Donald B. Boyd were awarded funding by the Gordon Research Committee which sponsors one of the most prestigious series of science conferences in the country, with about 120 annually. The computational chemistry conference is limited to 150 people from academic, government and industrial research labs internationally. Focus will be on promoting more tandem use of quantum mechanics and molecular mechanics for problem-solving in chemistry. For more information about the conference, call Prof. Lipkowitz, 274-6883.-SR

### JACK-BE-NIMBLE OWNER TO TEACH MOTOR SKILLS DEVELOPMENT

Parents and professionals interested in learning to develop good motor skills in children are invited to attend a two-day workshop, Maximizing Motor Skills Development. Jack McCardle, owner of Jack-Be-Nimble, Inc., will teach the workshop on Saturdays, Aug. 16 and Aug. 23, 9 a.m.-4 p.m., in KB 051. For fees and registration, call 274-4501.

### HOBY IS HERE!

Now through Aug. 9, 200 bright teen-agers who already show promise as leaders, are on campus and in the city for HOBY, the Hugh O'Brian Youth Foundation International Leadership Seminar. There is not space enough to list the 70 panelists who have distinguished themselves in areas of space, waste, environment, politics, government, medicine, urban architecture and law. Naturally, Hugh (Mr. Earp) O'Brian is here. Former secretary of agriculture Earl Butz is a speaker, as are two astronauts, Charles F. Bolden, Jr. and Kathryn D. Sullivan. Director of the U.S. Secret Service and president of INTERPOL John R. Simpson joins giants in expertise of international terrorism and other dilemmas. American Medical Association President John J. Coury comes to speak about health care delivery, and Dolf Droge, consultant for Accuracy in Media, is part of a media seminar. Lots of state, local and university VIPS, as well as Kentucky governor Martha Layne Collins, are here giving information about the American incentive program as it relates to cities big and small. James East, associate dean in the School of Liberal Arts, is program coordinator and has worked on the 18-session seminar since last December. IUPUI is hosting HOBY, with funding and volunteer assistance from Kiwanis International and the National Association of Secondary School Principals. Local sponsors are Lilly Endowment, Inc. and Indiana National Bank.

### REGISTRATION OPENS FOR GERIATRICS MEDICINE SEMINAR

Physicians, dentists, pharmacists, nurses and all health care professionals who deal with the medical problems of the elderly are invited to register now for the sixth annual Geriatrics Medicine Seminar in Indianapolis on Oct. 2. Sponsor is the Indiana Public Health Foundation, Inc. To register or for more information, call B.L. Martz, M.D., chairman, 630-6506, or Helen L. Scheibner, H.S.D., 633-0272.

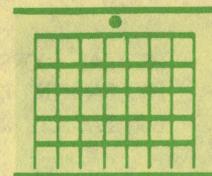
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\*News Bureau  
Indiana University-Purdue University  
at Indianapolis  
355 Lansing Street  
Indianapolis, Indiana 46202

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# university calendar



## AUGUST

- 1 TRACK & FIELD STADIUM EVENT: **White River Park State Games**, thru 8/3, for information 632-6600 or 237-2200 (Linda Carroll or Jeff Coaks)
- 4 COMMITTEE FOR DISABLED, 8:30am, AO 103, for information 274-2306  
HEALTH INSURANCE INFORMATION, 8:30-9:30am, for information Barbara Jones 274-8931
- 5 BEGINNING SIGN LANGUAGE II, 7:00pm-9:00pm, KB, for information 274-4501  
THE SAT: PREPARATION/TEST-TAKING, 6:30pm-8:30pm, KB, for information 274-4501  
FOCI (Forum on Campus Interrelations), 10am, AO 103, for information 274-2306  
MATH AND ENGLISH PLACEMENT TESTING, for information and appointment 274-2629
- 6 TRACK & FIELD STADIUM EVENT: **TAC All-Comer Meet**, for information Jennifer Voreis 631-6316
- 8 NATATORIUM EVENT: **Zone Swimming Championships**, thru 8/10, for information Betty Bainbridge 630-3440
- 9 TRACK & FIELD STADIUM EVENT: **Indianapolis Scarborough Peace Games**, thru 8/10, Track & Field Stadium for information Jennifer Voreis 631-6316
- 11 SUMMER II CLASSES END  
NEW EMPLOYEE ORIENTATION, 2-3:30pm, for information Barbara Jones 274-8931  
HOW TO STUDY IN COLLEGE, 6pm-8:30pm, KB, for information 274-4501
- 12 MATH AND ENGLISH PLACEMENT TESTING, for information and appointment 274-2629
- 13 INTERNATIONAL STUDENT AND VISITOR ORIENTATION, 9am, for information Burdellis Carter 274-7294  
MATH AND ENGLISH PLACEMENT TESTING, for information and appointment 274-2629  
TRACK & FIELD STADIUM EVENT: **TAC All-Comer Meet**, for information Jennifer Voreis 631-6316  
DBASE III FOR NEW USERS (PBI), 8:30am-5pm, KB, for information 274-4501
- 14 RESIDENCE LIFE STAFF TRAINING, 8/22, BR, for information 274-7457  
MATH AND ENGLISH PLACEMENT TESTING, for information and appointment 274-2629
- 15 CONTINUING MEDICAL EDUCATION: **Pancreatic Carcinoma/Acute Pancreatitis**, also 8/16, for information 274-8353
- 16 MOTOR SKILLS WORKSHOP, 9-Noon, 1-4pm KB, for information 274-4501  
NATATORIUM EVENT: **Elks Indiana State Swim Championships**, thru 8/17, for information 274- ???
- 18 HEALTH INSURANCE INFORMATION, 3-4:30pm, for information Barbara Jones 274-8931  
SCHOOL OF EDUCATION FACULTY FORUMS, 3:30pm, for information 274-2997  
HOW TO STUDY IN COLLEGE, 6pm-8:30pm, KB, for information 274-4501
- 19 PROGRAMMING DBASE III, 8:30am-5pm, UN, for information 274-4501
- 20 FINAL FALL REGISTRATION, thru 8/22  
NURSING RESEARCH PROGRAM, for information Dr. A. McBride 274-4198  
TRACK & FIELD STADIUM EVENT: **TAC All-Comer Meet**, for information Jennifer Voreis 631-6316  
CAVANAUGH BOOKSTORE STUDENT BOOK BUY-BACK, also 8/21,22,25,26; for information 274-3961  
KRANNERT BOOKSTORE STUDENT BOOK BUY-BACK, also 8/21, for information 274-3961

- 21 MEDICAL BOOKSTORE STUDENT BOOK BUY-BACK, for information 274-3961  
PROGRAMMING LOTUS 1-2-3 MACROS, 8:30am-5pm, UN, for information 274-4501  
BSN FACULTY RETREAT, also 8/22, for information Dr. P. Blake 274-7901
- 22 LEADERSHIP LIFE STUDENT LEADERSHIP SEMINAR EAGLE CREEK, for information 274-7457  
TRACK & FIELD STADIUM EVENT: Eastside Soccer Association Jamboree, thru 8/24, for information  
Sherree Siervers 632-4387
- 23 GENEALOGY WORKSHOP, 9-NOON, 1:00-4:00pm KB, for information 274-4501  
TRACK & FIELD STADIUM EVENT: Childrens Triathlon, for information Jennifer Voreis 631-6316
- 24 RESIDENCE HALLS MOVE-IN-DAY, BR, 8/25 for information 274-7457  
CAMPUS HOUSING REGISTRATION (check-in), also 8/25, BR Lobby, for information Karen Young  
274-7200
- 25 FALL REGISTRATION ENDS  
CHILD CARE CENTER KINDERGARTEN CLASS BEGINS, for information 274-3508  
CHILD CARE CENTER REGISTRATION, for information 274-3508  
NEW EMPLOYEE ORIENTATION, 9-11:30am, for information Barbara Jones 274-8931  
BSN B300 FACULTY WORKSHOP, for information Dr. P. Blake 274-7901  
FIRST YEAR DENTAL STUDENT ORIENTATION, for information Robert L Bogan 274-7302
- 26 RESIDENCE LIFE CINEMA TIME, BR, for information 274-7457  
NEW FACULTY ORIENTATION, Noon-6pm, for information 274-2302  
SCIENCE FACULTY CONVOCATION, 9am, KB 150, for information 274-0625  
EDUCATION: Academics and You, 3:30 p.m., ES-Commons 3rd floor, for information 274-2997
- 27 FALL CLASSES BEGIN  
RESIDENCE LIFE ORIENTATION, BR, for information 274-7457  
EDUCATION: Night at the Movies, 7pm, for information 274-2997
- 28 RESIDENCE LIFE WELCOME BACK DANCE, UN Cafeteria, for information 274-7457  
EDUCATION: Faculty Student Tea, 4pm ,ES-Commons, for information 274-2997
- 30 EDUCATION: DAY AT THE LAKE, 12-4pm, for information 274-2997