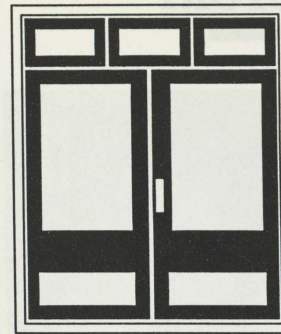


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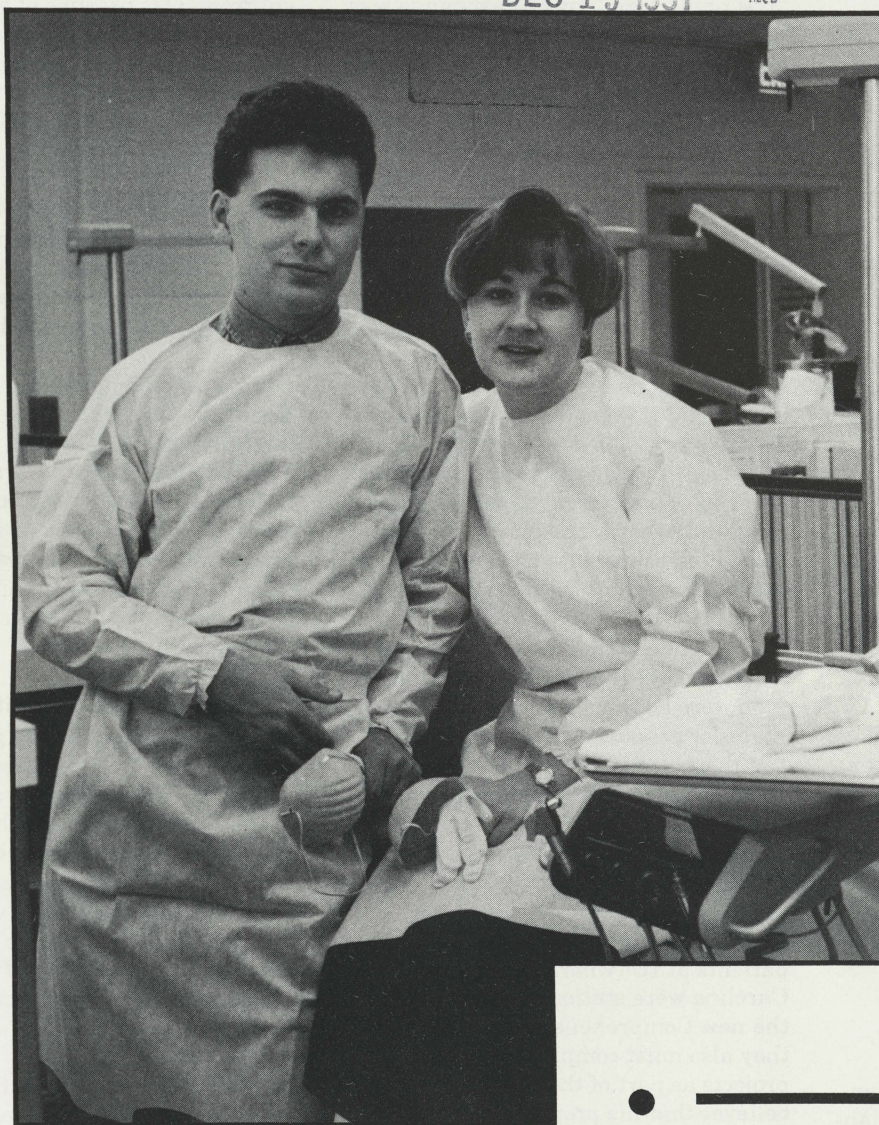


Photo by Susan Crum

Christopher Edwards and Caroline Weston gear up for patient appointments in the new IUSD Comprehensive Care Clinic.

FROM UNITED KINGDOM
TO UNITED STATES

Exchange students from University of Manchester top off four years of dental education back home in England with 10 weeks of dentistry, Hoosier-style.

(Story on page 2)

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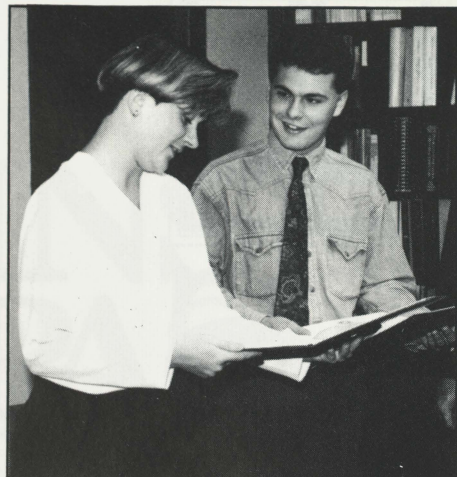


Photo by Mike Halloran

Caroline and Chris admire their IU "diplomas" presented in a brief ceremony by Dean H. William Gilmore.

An English education with a Hoosier twist

Dental exchange students note more similarities than differences during their mini-program at IUSD.

She is 23; he, 22—roughly the same age as most students are when they pack up for dental school in America.

But British dental students Caroline Weston and Christopher Edwards aren't starting a dental program—they're *finishing* one, at Turner Dental School, University of Manchester Dental Hospital, in Manchester, England.

To cap their four-and-a-half year education at Turner they decided to try their hand at dentistry, American-style. In November, a month before they were scheduled to collect their Bachelor of Dental Surgery degrees, Caroline and Chris completed 10 weeks as Indiana University's first predoctoral dental exchange students.

"I think we blend in quite well now, and are treated like the other students," Chris, a native of Manchester, said near the end of his stay in Indianapolis. The 10-week period ended just as both students had begun to relax and find a niche for themselves in the routine at 1121 West Michigan. The program offered them just enough time to master the tough part of being an

exchange student—the inevitable struggle to remember names, figure out how another country's dental equipment functions (or what department you need to be in to chase down a particular dental instrument)—to survive, in general, the disorienting experience of doing familiar work in unfamiliar surroundings!

"We are taking home the memories of lots of friends," said Caroline, who was raised in Shropshire, a county in the midlands. Both students enjoyed their Hoosier experience and were a bit wistful that the program came to an end so soon.

The predoctoral student exchange was planned by IU's Dean H. William Gilmore and Professor N.H.F. Wilson, a faculty member in Turner Dental School's Department of Restorative Dentistry, during Professor Wilson's visit to IUSD in October 1990. Indiana University fourth-year students Mindy Mundy and Gary Bacon will head for Manchester in January, when they will undertake a similar, but shorter (six-week) program at Turner.

Chris is his family's "pioneer" in the dental field, as is Caroline in hers. These soon-to-be dental graduates seem extraordinarily young to us, but their ages are typical of dental grads in England, where students go directly from high school into their professional studies.

The extended trip overseas was also unremarkable for Chris and Caroline, who were simply fulfilling a requirement for graduation by being away "on their elective." Many of their 53 classmates also studied abroad, although the usual length of an off-campus elective is four weeks instead of 10.

In addition to diagnosing and treating patients at IU (where Chris and Caroline were stationed primarily in the new Comprehensive Care Clinic), they also must complete research projects as part of the exchange. Chris believes that his proposal had a lot to do with his being selected to come to IU. "Professor Wilson was quite keen on the project," he said. Chris surveyed teenagers in Manchester in regard to their awareness of dental terminology and then conducted a similar survey of

teenagers at North Central High School in Indianapolis. "To look at either group individually is interesting," he said. "But to compare the two samples will be even better."

Caroline is equally enthusiastic about her comparative survey. "My project concerns patient selection prescription criteria for dental radiographs—the reasons *why* dentists take them," she explained. "In America you have ADA guidelines that identify where and when you should take radiographs, and on what types of patients. We don't have any such guidelines in Britain. I am interested in finding out if your prescription habits are different from ours because of these guidelines—and I'd like to determine if, in fact, American dentists are aware of the guidelines and follow them." IUSD faculty holding dental degrees contributed to her survey sample.

Both students will finish their papers in Manchester and will present them before the Turner faculty (Chris must also present his to representatives of a company that helped fund his work).

Each student emphasized the similarities of the two dental programs instead of the differences. "There's not a world of difference," Caroline said. "Infection control is basically the same, although we don't wear paper gowns and we don't use plastic to cover everything. The main difference is the extent of use of the rubber dam, which is limited at home."

"To come over here and cut amalgams with a rubber dam on the patient was an experience," Chris agreed. "But it was a good experience. Practitioners at home don't like to use them because they say it takes too long, but that's a fallacy. Their use is very straightforward. Some of the work I've done here would have taken twice as long without the rubber dam. I'll definitely try using the dams in practice next year."

Many more dental nurses (i.e., assistants) are available to work chairside at Turner Dental School, and the school is also less departmentalized than IU, the two reported. "You have departments for crown and bridge, endo, operative," said Caroline,

"whereas at home they and even part of prosthetics are all one under the Department of Restorative Dentistry."

In general, English dental specialists work in hospitals instead of private practices (all 12 of the country's dental hospitals also serve as teaching institutions). The National Health Service covers most of the cost of essential patient care for all of the country's citizens; the Service pays hospital specialists a salary and general practitioners a fee for each dental procedure performed.

After graduation Caroline and Chris do not face the stress of a state or regional board like American students; passing grades on the school exams they sat for last June allow them to set up practice anywhere in England. For the coming year both are scheduled to enter what they call vocational training "schemes," which are government-run, salaried graduate education programs that place new dentists in the offices of other general practitioners with one day off each week for university classes. Chris's scheme is in Manchester and Caroline's is in Yorkshire. In 1992 the European Economic Community (Common Market) will eliminate its trade borders, enabling Chris and Caroline to practice in many European countries. "We'll have one of the better degrees you can earn at university, and one of the most widely accepted," said Chris. "With it we can work almost anywhere in the world except for the U.S."

"It's been delightful and very enlightening having Chris and Caroline with us," Dr. Hala Henderson, associate dean for student affairs, said recently. "They gave us an opportunity to deal with students from a different perspective. Although they are young, they are also very mature. And I think they were genuinely excited about all of the many extra activities they were asked to participate in, which included everything from football games to an alumni reunion to a meeting of the Indianapolis District Dental Society."

Our British visitors covered as many square feet of America as possible during their brief stay. Boosted by 30-day, unlimited standby Delta airplane tickets costing only \$450 each, Chris

and Caroline picked an American city to tour almost every weekend. They visited Seattle during the ADA annual session, Disney World in Florida, Las Vegas, San Francisco, Chicago, New York—and during one especially energetic weekend they squeezed in New Orleans and Niagara Falls. (Unfortunately for us, this spectacular deal on airfares is not available to American travelers.)

Chris and Caroline took cultural differences in easy stride. They quickly got used to wearing paper gowns in the clinic; going without the extensive coverage of international news that newspapers back home carry; having Jell-O served to them as part of their main meal (which in England is akin to eating ice cream on the same plate with your meat and potatoes); and not flinching when patients touched them on the arm during dental appointments. (Chris: "It wasn't all that disconcerting, but very unusual—at home you just don't breach someone's personal space.")

One cultural oddity they weren't prepared for, however, was how activity in Indiana revolves around the automobile, a component they found only slightly less essential to life than oxygen. Feeling isolated in a sprawling city with no wheels of their own and virtually no mass transportation, both students were disappointed they did not get to see much of Indiana's fall foliage. "It was easier to fly to San Francisco than it was to get to Brown County," Chris lamented.

Accustomed to European cities where buses come along every two minutes, our visitors were grateful to all of the persons on the IUPUI campus who gave them a lift to go shopping or siteseeing. "Future exchange students should be told that an automobile is essential," Caroline recommended.

IUSD's first exchange students returned to England on November 7, taking with them pleasant memories of the people in Indiana. "We've been taken out and entertained, and we've had a wonderful time," Chris said. "We are grateful to everyone who helped us with our program."

"A special thanks goes to Dean

Gilmore, Dr. Henderson, and Dr. Ronald Harris, director of the Comprehensive Care Clinic, for going out of their way," Caroline added.

To qualify for the six-week program in Manchester, Mindy Mundy and Gary Bacon have completed at least 80% of their clinical graduation requirements and are in the upper one-third of their class. Each student's trip will be supported by Miles, Inc., a dental supply company in South Bend.

Manchester at a Glance

Born, raised, and schooled in Manchester, Christopher Edwards also plans to build his practice there. One of his hometown's biggest fans, Chris paints a picture that leaves us with the impression Indiana exchange students Mindy Mundy and Gary Bacon are in for a treat:

. Originally known as an important manufacturer of textiles, this once decaying city of roughly a million people underwent a revival in the '80s with help from then Prime Minister Thatcher's urban renewal grants. Downtown City Center has become quite lively with a new generation of hotels, cinemas, and restaurants.

. Manchester is one of the biggest youth culture centers in all of Europe. ("All of the rock bands that come from anywhere come from Manchester," says Chris with a smile.)

. The University of Manchester ranks in reputation with the top three or four universities in the country.

. IU's dental students should take in a bit of siteseeing—don't miss the beautiful Lake District nearby.

. Transportation is easy, easy, easy! Located in northwestern England, Manchester is a swift 2.5-hour train ride from London. The main train station is a 20-minute walk or 5-minute bus ride from campus, and the trains put you within easy access of Wales and Scotland.

Honored for longtime service to IUPUI are (back row) Francis G. Feeney, Jr. (for 15 years) and Jean M. Richmond (30).

In front, from left: Barbara D. Rhodes (30); Susan M. Brancheau (15); Shirley E. Shazer (35); Sarah C. Manion (30); and Sandra J. Manion (30).



Photo by Mike Halloran

Milestones

THERE ARE MORE THAN 6,500 STAFF MEMBERS ON the IUPUI campus. Only 18 of them celebrated their 30th year of service to Indiana University in 1991—and, remarkably, seven of those 18 are dental school employees.

In all, 11 School of Dentistry staff members were honored during the annual IUPUI Employee Recognition and Awards Reception, held at University Place Conference Center on November 5. **Shirley E. Shazer**, a histotechnologist in dental diagnostic sciences, shared the spotlight with six other IUPUI employees being recognized for 35 years of service. Dental school staff members in the 30-year category are **Sandra J. Manion**, senior administrative secretary, continuing education; **Sarah C. Manion**, senior administrative secretary, student office; **Kenneth K. Nelson**, administrative assistant, service and supply center; **John H. Owens**, building manager, service and supply center; **Barbara D. Rhodes**, senior research technologist, dental materials; **Jean M. Richmond**, budget coordinator, Oral Health Research Institute; and **G. Delores Riczo**, senior clerk typist, clinical affairs.

Honored for 15 years with IU are **Susan M. Brancheau**, dental assistant, pediatric dentistry; **Cynthia D. Corbin**, secretary, operative dentistry; and **Francis G. Feeney, Jr.**, technologist, dental equipment 1st class, service and supply center.

In addition to those cited at the reception, milestone service pins were distributed in 1991 to the following persons: 10 YEARS OF SERVICE—**Charlotte A. Glidden**, clinic clerk, pediatric dentistry; **Rhonda K. Lee**, clerk/secretary, service and supply center; **Terrence L. McIntyre**, inventory clerk, service and supply center; **Janice M. Warrick**, assistant director of OHRI animal research facility; and **Cynthia Whisler**, dental assistant, periodontics. Also, for 5 YEARS OF SERVICE—**Sherri L. Beaver**, expanded functions dental assistant, faculty dental practice; **Judy Doyle**, administrative secretary, periodontics; **Janet M. Grubb**, dental assistant, pediatric dentistry; **Elizabeth J. Halpin**, technical services specialist, library; **Angela J. Kaai**, clinic clerk, periodontics; **Barbara J. Lerner**, student credentials associate, student affairs; **Vickie S. Mattox**, cashier for billing/accounts receivable, cash operations; **Kathryn L. Neal**, supervisor, dental central services, oral microbiology; **Theresa J. Norris**, senior administrative secretary, OHRI; and **Mary A. Stone**, senior accounts clerk, oral pathology.

“Although their duties are diverse, members of our staff share a common sense of pride in helping to meet important human needs,” IUPUI Chancellor Gerald L. Bepko has stated. “On behalf of your fellow employees, I offer congratulations and best wishes to those who are being recognized. And I extend a sincere ‘Thank You’ for your good work—past, present and future.”

'I T SEEMS TO BE WORKING."

That's how I respond when asked about the progress of the recently organized fourth-year clinic for comprehensive dental care (affectionately referred to as "Comp" or "CCC"). A lot of credit is due to Dr. Robert Lockhart, director of student professional development, who did much of the ground work in organizing and supervising the Capstone Clinic, the successful pilot program conducted last spring that led to formation of this new clinic.

In the Comp Clinic, students are assigned in groups of 10 for four weeks. During that time they are assigned an operating unit, which is theirs for whenever they wish to use it. All types of treatment, with few exceptions, can be accomplished, simulating the private practice situation as much as possible. Students are scheduled for seven half days' treatment time, and one half day they meet as a group. The other two half days are used for teaching assignments, lab work, or other specific needs (library, counseling, etc.). Frequently students ask to work on their "off" days as well.

This experience is convenient for several reasons: 1) one or two instructors are always close at hand; 2) appointments are made and confirmed by a clinic coordinator/receptionist/assistant; 3) signing up for a chair or going onto a waiting list for one is eliminated; 4) on several days there are assistants (in the form of first- and second-year dental students); and 5) more than one patient can be scheduled during a half-day session. The clinic also has a mini-lab, a telephone to

— Earning — 'COMP' Time

The Class of 1992 is getting ahead by staying put. First group to be stationed in the new Comprehensive Care Clinic provides thorough treatment to more patients in less time.

By Ronald K. Harris*

answer pages, and most supplies that are easily accessible.

Student comments have been very positive. They enjoy treating their patients in one setting, being able to assess and manage their time, and having the opportunity to use different materials and techniques. They say they have accomplished a lot more in this setting than they have when taking patients from department to department. They also like readily available instructors, someone to schedule their patients, and centrally filed dental records for easy access.

Random patients have filled out questionnaires upon departure from the clinic. Here are some of their

remarks: "I have nothing but praise for the entire dental school staff and facilities. I will highly recommend your facilities to others in the future"; "The Clinic is well planned, convenient, with no waiting time for the patient"; and "Any concerns I may have had about the quality of care and service offered by a school of dentistry have been totally erased."

The apparent success of the program has not just happened on its own—cooperation by the various specialty departments has been exceptional. On occasions when a specialist has been needed various faculty members, whether assigned to Comprehensive Care or not, have cheerfully come forth to help out in the decision-making process. There can't be enough said about Marsha Brickey, who serves as coordinator, appointment clerk, dental assistant, supply person and general helper in many ways. She is not only efficient and enthusiastic but spends much extra time (including a lot of lunch hours) in obtaining records, calling patients, cleaning up and restocking. The program would be considerably diluted without her—she is appreciated by all. Marsha does get a little part-time volunteer help on the front desk from LaVerne Harris.

There are some negative aspects to this program as well. Regular dental assistants for all the students would lend more credibility to the simulation of a private practice setting. Also, students feel that four weeks is not long enough. It is hoped that the time frame can be increased soon, possibly by next year. Time will tell!

Editor's note: Time DID tell! As Inside Passages goes to press, we have learned that plans have been set in motion to expand the comprehensive care experience to include all third- and fourth-year students year round, beginning in January, 1992.

First group from Class of '92 to be assigned in the Comprehensive Care Clinic: standing (l-r) Marybeth Brandt, Arshia Bahrani, Balwinder Chuckal, Bernadette Delumpa, Darin Ashcraft, Rebecca Beaven, Skipper Cheesman, Theresa Block, and Gary Bacon. Not pictured is Jeanne De Grazia. Seated are Dr. Ronald Harris and Marsha Brickey.



* PROFESSOR OF OPERATIVE DENTISTRY AND NEWLY APPOINTED DIRECTOR OF COMPREHENSIVE CARE CLINIC

Photo by Michael Cochran

Diplomate certification in the American Board of Oral and Maxillofacial Radiology was announced for Dr. **Thomas F. Razmus**, assistant professor of dental diagnostic sciences, at induction ceremonies during the board's annual session, held in Seattle in October. Two other IU faculty members recently learned they have successfully passed board examinations taken in June: Drs. **David T. Brown** and **Rose Marie Jones**, both assistant professors of prosthodontics, are now diplomates of the American Board of Prosthodontics.

Faculty and former graduate students in IU's Department of Periodontics participated in the 77th annual meeting of the American Academy of Periodontology, held in Vancouver, Canada, in October. Dr. **E. Brady Hancock**, chair, presented a continuing education program titled "Regenerative Approaches to Furcation Management," and a midday course titled "Furcation Regeneration: A Reasonable Objective." Dr. **Donald H. Newell**, assistant professor, presented a furcation management session titled "The Role of Root Resective Procedures in the Treatment of Molar Furcation Invasions." A paper written by Dr. **Jeffrey A. Colligan** (MSD '91), *Clinical and SEM Comparison of Effects of Instrument Sharp-ening upon Root Surfaces*, was selected for a poster presentation; and a paper by Dr. **Cecil White** (MSD '90), *Histomorphometric Study of the Healing of Grade III Furcation Defects*, was chosen to be entered into the annual competition for the Orban Award.

G.J.L. GOES FOR HER B.G.S. *Until she signed up for an IUPUI course last year, Ginger J. Lashley (on left in photo) hadn't cracked the college books for a decade—not since her days of employment at Kent State University in Kent, Ohio. But having "aced" an IUPUI spring semester honors course titled "Women and Work," she is now looking ahead to eventually catching up with the other members of her family, all of whom hold university degrees. Helping Ginger pursue this goal are members of the IUSD Non-Academic Staff Council, who have backed her education with a \$250 scholarship that was presented to her during the Council's fall meeting by Jan M. Leach, a dental assistant in periodontics and the group's president at that time. Ginger was selected in part for an essay she prepared describing why she wanted the scholarship. She plans to earn a bachelor's degree in general studies through the Division of Continuing Studies. With an eye on sociology as her major area of concentration, she has enrolled in "Computers in the Social Sciences" for second semester. (Photo by Mike Halloran)*

WHO'S NEWS

Dr. **Kirt E. Simmons**, assistant professor of orthodontics, made a presentation titled "Dental Aspects of Growth Disorders" at the fourth annual conference of the Pediatric Endocrinology Nursing Society, held in Phoenix in June.

Dr. **W. Eugene Roberts**, chair of orthodontics, made two presentations at the 55th annual session of the Pacific Coast Society of Orthodontists, held in Monterey, California, in September: "Bone Physiology of Orthodontics—Metabolic and Mechanical Control Mechanisms" and "Tooth Movement in Orthodontics, Women and Osteoporosis." A synopsis of the presentation on osteoporosis will be published in the American Association of Orthodontists *Bulletin*.

In November Dr. **Donald E. Arens**, associate professor of endodontics, presented a full-day course at the University of West Virginia, Morgantown, entitled "Why Am I Still in Pain, Doctor?" He also lectured in Paris in

November at a meeting of the French Dental Association; his topics were "Surgical Indications and Problem Solving for Failing Endodontics" and "Intentional Replantation." In December Dr. Arens is scheduled to lecture at the University of Texas, Houston, on endodontic pain control and at the University of Pennsylvania on the topic of controlling pain after endodontic treatment.

Drs. **William Borman** and **Paul A. Zitterbart**, both assistant professors of dental diagnostic sciences, had their article, "Steering Patients in the Right Direction," published in the October '91 issue of *The New York State Dental Journal*. It pertained to the American Society of Geriatric Dentistry's referral system for older patients in need of specialized dental care. Dr. Borman is past president of the Society and Dr. Zitterbart is coordinator for IUSD's geriatric dentistry program in the Department of Preventive and Community Dentistry.

Officers for the IUSD Chapter of the Student Research Group were elected during the annual meeting in September. They are: **President—Kurt F. Martin**, third-year student; **Vice President—William R. Flora**, fourth year; **Treasurer—Michelle L. Wittler**, first year; **Secretary—Neslihan K. Ertem**, second year; **Student Activity Council (SAC) Representative—Serkia C. Isikbay**, second year; and **IUSD Research Committee Representative—Jonathan W. Reitz**, fourth year. Dr. **James L. McDonald, Jr.**, professor of preventive and community dentistry, serves as the group's faculty adviser.





Photo
by
Susan
Crum

HAVE YOU NOTICED ANYTHING MISSING LATELY? *If the windows in your office, clinic, or lab don't face Michigan Street, you may not even be aware that it's gone. But within the span of one brief Autumn morning the largest tree on the dental school grounds fell—literally—into its place in campus history. The old Oak, which was dying, relinquished its spot on the front lawn where it had towered over a cluster of younger, healthier trees.*

Three IUSD Oral Health Research Institute employees were among those honored at the annual awards banquet of the Indiana Branch of the American Association for Laboratory Animal Science, held in Indianapolis on November 14. **Sandra K. Butcher**, assistant laboratory animal technician, received a pin for passing the certification examination for Assistant Laboratory Technician. **Janice M. Warrick**, assistant director, OHRI animal research facility, was honored as the Outstanding Laboratory Animal Technologist; her dossier will now be entered into regional/national competition. Ms. Warrick was also re-elected secretary-treasurer of the Indiana Branch of the Association for another three years. **Dr. George K. Stookey**, IUSD associate dean for research and OHRI director, received the Eldon J. Cox Memorial Award for outstanding contributions in the field of laboratory animal science.

Joyce W. Collins, administrative secretary in preventive and community dentistry, will be awarded a Bachelor of Science degree in accounting from Indiana University in December.

New officers for the IUSD Non-Academic Staff Council were elected at the annual fall meeting in September. They are: **President—Jody Walker**, student credentials associate in student affairs; **Vice President—Heather E. Hoffmeyer**, dental assistant in dental diagnostic sciences; **Secretary—Judy Doyle**, administrative secretary in periodontics; **Treasurer—Sue A. Rogers**, principal billing clerk in clinical affairs; and **Faculty Adviser—Dr. Jack E. Schaaf**, associate professor of dental diagnostic sciences. **Carole A. Busch**, coordinator of records and admissions, was elected to represent the staff on the IUSD Faculty Council. Elected to two-year appointments as representatives to the IUPUI Staff Council are **Jennifer L. Gibson**, senior administrative secretary in pediatric dentistry; and **Melissa S. Mau**, assistant director of clinical research at the Oral Health Research Institute. **John J. Morgan**, supervisor of stores and acquisitions in the service and supply center, and **Anne Hall**, the library's senior assistant for circulation and interlibrary loans, each

have one more year to serve in their positions on the IUPUI Staff Council.

Dr. Schaaf, who is also head of the special care clinic, participated in a half-hour radio program aired on WIBC December 1. He and physician Dr. Steve Tharp discussed with program commentator Glee Remick the impact of AIDS upon the health care profession.

Dr. Maynard K. Hine, chancellor emeritus of IUPUI and former dean of dentistry, was made an honorary member of the Ohio Dental Association at the annual meeting in Columbus in September. He was cited for his longtime participation on Ohio's Callahan Commission.

Dr. Carl J. Andres, associate professor of prosthodontics, planned and coordinated the 39th annual meeting of the American Academy of Maxillofacial Prosthetics in his capacity as the academy's executive secretary-treasurer. The four-day meeting was held in Reno, Nevada, in November.

OHRI set for \$3.1 million fluoride program project

George K. Stookey calls collaboration the key to success as new research studies get under way

Investigators from the IU School of Dentistry, the IU School of Medicine, the People's Republic of China, and Ecuador will join forces in a new \$3.1 million research project looking into the safe use of fluoride in high-risk populations.

The program project, which began September 30, is led by Dr. George K. Stookey, IUSD associate dean of research and director of the Oral Health Research Institute. The project is funded by the National Institute of Dental Research (NIDR).

"This project gives us a chance to re-examine the safe use of fluoride, which has become so commonplace in our society," Dr. Stookey said. "Fluoride is used in so many dental products. It is important to discover any long-term drawbacks or groups that might not benefit from exposure (to fluoride)."

The NIDR decided to fund the project after a 1989 report provided equivocal evidence that lifetime exposure to very high levels of fluoride in rats might increase the risk of certain disorders, particularly skeletal problems.

"This will be a basic research study on the pharmacology of fluoride," said Dr. Ann J. Dunipace, associate director of preclinical research at the Institute and another key member of the investigating team. "You don't see problems with traditional levels of fluoride in healthy individuals and animals. What we want to study is whether or not there are any groups of people whose environment, nutrition or medical status makes them vulnerable to fluoride-related problems."

IUPUI's research encompasses three projects to be conducted over five years. The first project, a clinical study, will focus on people who have been exposed to low, optimal (ideal) or high levels of fluoride over a long period of time, and on medically-compromised patients with diabetes, renal disease or osteoporosis who might be more likely to encounter any adverse effects.

Another project will study the effects of chronic fluoride exposure on medically-

compromised animals in which the body's ability to metabolize fluoride may be altered.

The third project will investigate the impact nutritional inadequacies have on the safe use of fluoride by people living in China and Ecuador.

Dr. Stookey will lead the nutritional inadequacy phase, Dr. Dunipace the animal project, and Dr. Richard D. Jackson, an OHRI research associate, the clinical program. Dr. Barry P. Katz of the IU medical school will lead the biostatistics portion, interpreting data from the three studies.

IUSD's historical links to fluoride research—Dr. Joseph C. Muhler, now professor emeritus of preventive dentistry, was one of three faculty members to hold the original patent on the stannous fluoride formula that became the active caries-preventing agent in Crest toothpaste—make the choice of IUPUI's plan fitting.

"Most of our background is in fluoride research," said Dr. Dunipace. "The time was right to take advantage of that background."

The new research isn't a retracing of old research into the overall safety of fluoride, she added. Rather, this research will focus on specific groups of people whose health might be at risk from over-exposure to fluoride.

"The data we get from our study will help to identify any populations that may be at risk from excessive levels of fluoride," she said. "And if our results are negative—if we don't see any detrimental fluoride effects in our study groups—then we'll be in an even better position to say that fluoride is safe for a wide range of populations."

While the project calls for work in the far-off lands of China and Ecuador, information will be compiled in IUPUI's back yard, as well. Research will be conducted in the Oral Health Research Institute's labs and in the Indiana communities of Connersville, Lowell and Brownsburg.

"We chose Lowell (in Lake County) as

one of the field sites because it has a high natural concentration of fluoride in the water," Dr. Stookey said. "Connersville, on the other hand, is a low-fluoride environment, and the water in Brownsburg optimally fluoridated. We needed all three types of communities to compare the long-term effects of fluoride."

China and Ecuador were chosen for the international portion of the project because "there aren't any areas in the U.S. with the widespread inadequate levels of nutrition found in some other parts of the world," said Dr. Stookey.

Members of the research team and its advisers from outside the university have ties to those countries, providing the necessary links for organizing on-site researchers.

The research will fill a valuable niche in the medical and dental communities, Dr. Stookey believes. But he also sees great value in the collaborative nature of the project to IUPUI.

"It is the first chance the School of Dentistry and the School of Medicine will have to work closely together on a project of such prominence," he said. "We have so many resources available to each of us, but until recently we haven't looked for ways to harness them for each other."

The cooperative nature of IUPUI's proposal played a significant role in convincing the government to choose the school, he believes.

"The day of the individual expert is all but gone," Dr. Stookey said. "You have to have a lot of experts in all kinds of fields to handle a project like this, from the dental and medical schools to statistical experts to help you sort out all the data."

Dr. Stookey is pleased to see NIDR's rekindled interest in fluoride research.

"It's been almost two decades since the last major fluoride research project," he said. "Fluoride is the backbone of dental care and prevention programs here and around the world. But there is always more to learn."

AIR FORCE DENTIST DR. GLENN E. RICHARD wandered into a Travis Air Force Base bowling center one Saturday morning in 1973 and began a hobby that almost wound up a second career.

Dr. Richard, who is now an IU associate professor of prosthodontics, recalls that the California air base bowling center was "full of kids" that morning. He was told that a junior bowling league was in session.

Learning that his son, a seven-year-old at the time, was the right age to join the league, Dr. Richard asked to be a volunteer coach. After attending a weekend class, he became a certified coach/instructor and was involved with junior bowling for the next 10 years, even during a tour of duty in Spain. He also began bowling weekly in 1973.

With his interest in the sport fully activated (and given his self-diagnosed obsession with competition), Dr. Richard took his hobby into the competitive arena. While in the Air Force he made the Air Training Command team four times and also did well in various state and local tournaments over the years.

His most recent victory occurred last April during a U.S. Open tournament, sponsored by the Professional Bowlers Association and held in Indianapolis.

"I just happened to beat all three of the pros that I bowled with in the Pro-Am," Dr. Richard says. The scores were 203 to 190 (in a game with New York's Dave Ferraro), 203 to 187 (with Texas's Philip Ringener), and 204 to 199 (with Indiana's Eugene McCune). A perfect bowling game is 300 points.

His highest score ever in a certified game was 290, achieved during league play at the University Bowl in San Antonio in 1989. "I got a spare on the first frame, then bowled 11 strikes in a row," Dr. Richard says. (A ball knocking down all 10 pins is a "strike"; a "spare" requires a second ball to do the job.) "I started off the next game with seven strikes, so I actually had 18 strikes in a row." That night he finished with a 754 series (i.e., three games) out of a possible perfect score of 900.

The national bowling tournaments of the American Bowling Congress become a yearly vacation for many amateur bowlers, so organizers bring the tourneys to convention centers in different cities each year. Cities are happy to host the event since a typical tournament lasts four months. "Four hundred bowlers coming into a city every day for several months—along with family, friends and spectators—brings in a lot of money," says Dr. Richard. Spectator seating typically accommodates up to 5,000 fans.

For each national tournament, brand new lanes are installed in the convention center, and competitors do not get to bowl on these lanes until the day the tournament begins. "You get two practice balls," Dr.

STRIKING IT RICH

GLENN RICHARD TALKS ABOUT A HOBBY THAT NEARLY BECAME HIS CAREER



Richard explains. "You bowl your team event, then come back the next day for doubles and singles with no practice balls—the first ball counts."

Teams are made up of 5 bowlers. "I started tournament bowling when I was at Kessler air base, at Biloxi, Mississippi, so the other nine guys are from Biloxi and Gulf Port while I'm from wherever I happen to be living at the time. For several years we used to go out to Las Vegas and bowl at the Showboat in the Military Classic Tournament. The last three years we bowled in the Classic we came in fourth, third and second."

Dr. Richard spent most of two years seriously preparing for a professional career in bowling after retiring from the Air Force in 1988 and before deciding to accept a teaching position at IU in 1990.

"I was going to apply for a senior PBA (Professional Bowlers Association) card," Dr. Richard says. "I had ambitions, aspirations of getting there, but I took the security of coming here. I did not apply, but I would have been accepted. I carried a 200+ average for two years in two different leagues." Bowling in the 165-range is considered a good average in league play.

Although his military-style haircut is gray now, his athletic appearance and continual involvement in vigorous activity belie his age.

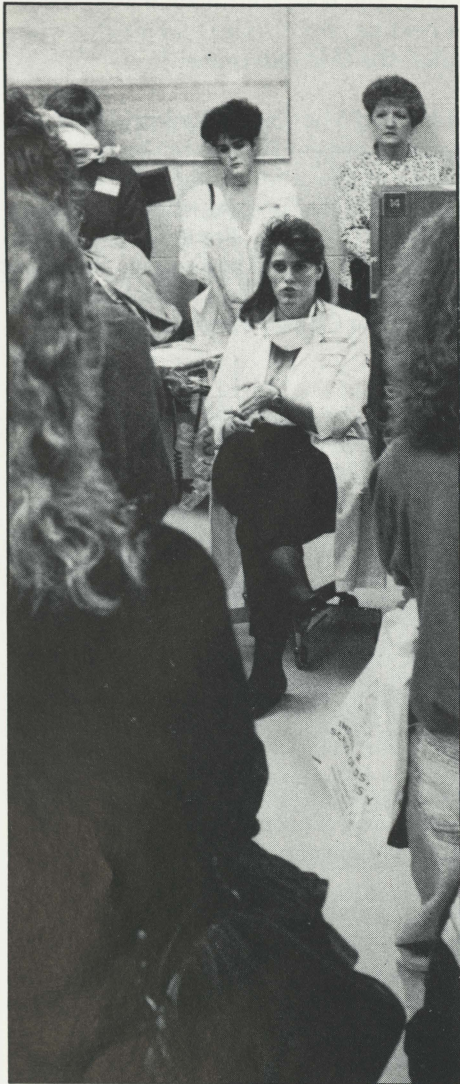
Another reason that might have contributed to his decision to forego the rigors of professional bowling tours stems from an incident just before he retired: "There was an officers vs. enlisted men softball game. I never learned how to compete in anything half way. I was playing second base and saw a chance to make a double play. I ended up tearing ligaments in my right shoulder and had to have surgery. I was out of commission for about six months."

These days you can catch Dr. Richard knocking down pins in weekly league play at Woodland Bowling Center at 96th and Keystone. In answer to questions about his future tournament plans, Dr. Richard says, "Having just come to IU and gotten involved in getting lectures together, I really don't have the time to put into it like I used to. I will probably bowl in a couple of small tourneys as they come along later on." Bowling season usually starts at the end of August and continues for about nine months.

Originally attracted to bowling because of the junior league coaching job, Dr. Richard says he stuck with it because it's personally challenging and because it's a hobby that isn't dictated by the weather.

Amateur bowlers may come from every walk of life, but Dr. Richard doesn't encounter many from his profession. "It is unusual to find someone in the health professions who is a bowler," he says. "Nearly everyone else is a golfer!"

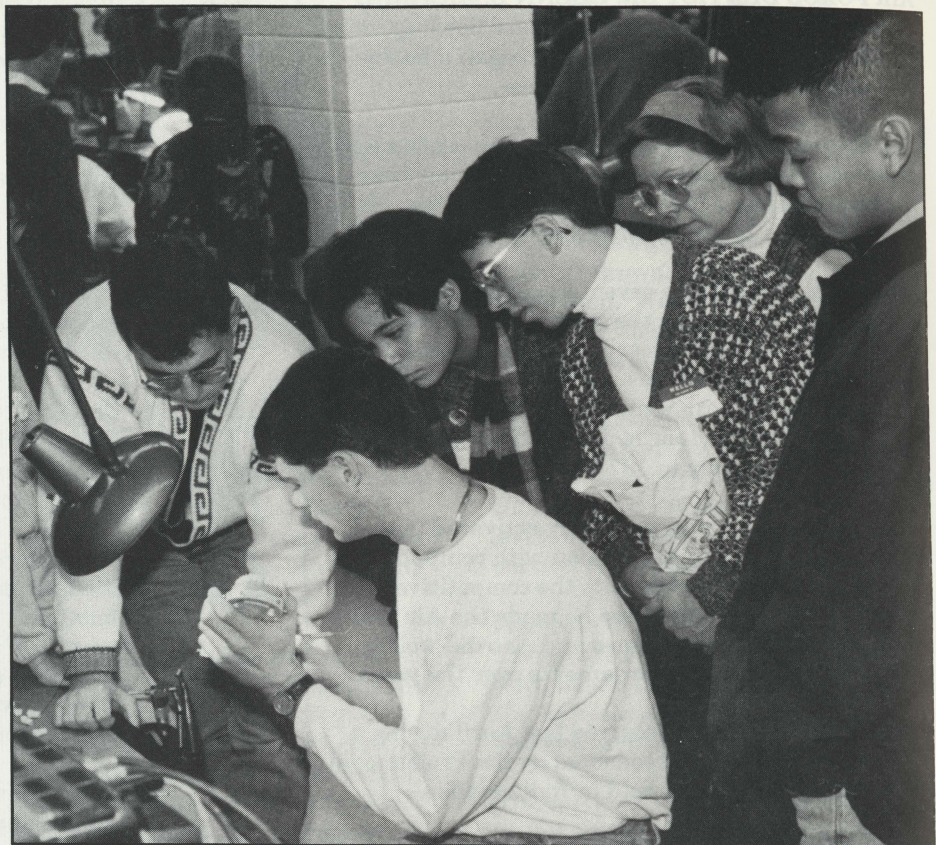
● STORY BY **JOHN J. MORGAN**
SUPERVISOR, IUSD STORES AND ACQUISITIONS



Dental hygiene student Tommi Davis



Dental student Andria Grady (white coat)



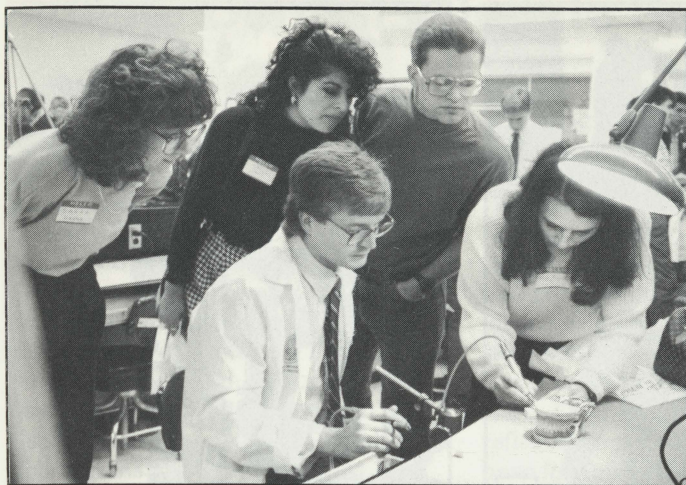
Dental student Timothy Frey (seated)

Dental Day photos by Mike Halloran

DENTAL DAY



Dental assisting students (wearing masks) Lisa Eakins and John Lewis



FIRST YOU FOLLOW; THEN, YOU LEAD. At Dental Day one year ago (above left), then IUPUI junior Matthew Hill (standing) leaned

TWENTY-THREE CREDIT HOURS are no laughing matter to *anybody*—especially to undergrads who know that you're pushing the limit when you sign up for 18.

So hearing tales about dental school's infamous 23- and 24-credit hour semesters filled IUPUI student Matt Hill with a lion-size helping of trepidation last year. He decided to show up for Dental Day anyway.

Most of what he heard during the weekend student-produced recruitment program confirmed instead of dispelled rumors that the dental school workload is hefty. But by talking one-on-one with currently enrolled students that day, Matt began to understand an equally important fact about dental school: you don't go through it alone. "It dawned on me that everyone around me would be taking the same classes and would be involved in the same work load," he said recently.

Not only did Matt wind up opting for dental school, he also volunteered to chair the pre-doctoral portion of this year's Dental Day program, held at the school in November.

His goal as the 1991 coordinator was to alleviate the candidates' fear of dental school by providing them with as much practical advice and as many survival tips as possible. The program targets high school and college students but is open to anyone with an interest in dentistry. "One of the biggest successes this year was getting people to open up and ask questions," Matt said. "Dental school is challenging. It requires a totally different way of studying. A lot of people don't realize the importance of observing dentistry and getting acquainted with the dental school before going into the program. When I was an applicant, part-time faculty member Dr. Robert Taylor was very helpful in lining me up to observe different students in different departments all over the building.

"Quite a few people asked me what they should be doing with their elective time, and I recommended that they take an art class," Matt continued. "Now that I'm in school I know that some students can handle the academic load, but then the lab takes them for a ride because they haven't learned to work with their hands. You have to have the artistic ability, too."



on students like Tony Ratliff (seated) to show him the ropes. This year (above right), Matt pointed the way for others.

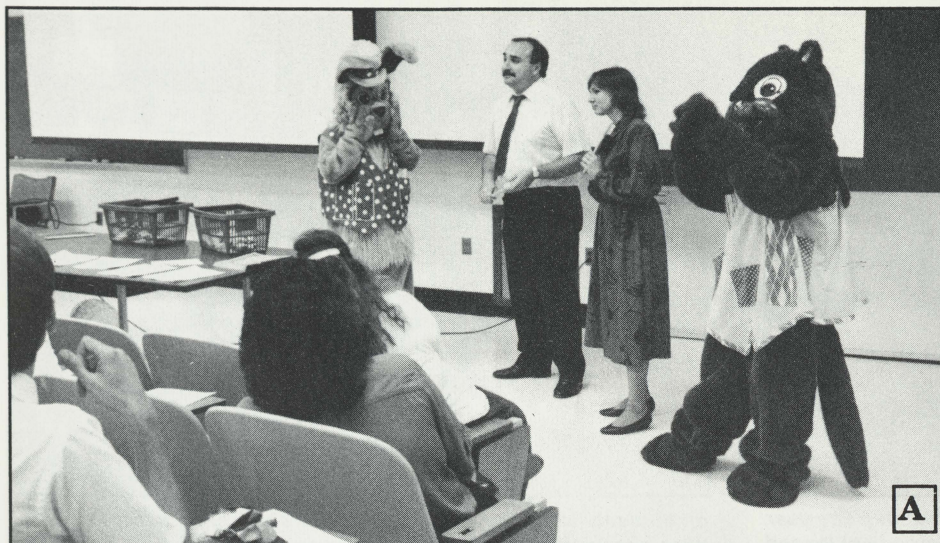
The Dental Day presenters played to a full house, as has been the case for the past several years. Coordinating the dental auxiliary education component of the program were dental hygiene presidents Gretchen Wilkie (2nd yr) and Loran Atkinson (1st yr) and dental assisting president Stephanie Patrick. The DAE students once again worked around a highly successful discussion panel format for persons visiting their lecture hall. Panelists fielding questions were Traci Breclaw and Heather Burns, dental assisting; Penny Anderson and Julie Greene, 1st yr dental hygiene; and Danielle Poole and Christine Sams, 2nd yr dental hygiene.

Offering insight from the dental student perspective were John Lowe, 1st yr representative of the American Student Dental Association; Kurt Martin, 3rd yr student and ASDA's first delegate; Edward Filangeri, 4th yr student and chair of the SELECT Committee; and class presidents David Buksar, 1st yr; Tamara Watkins, 2nd yr; Bart Poer, 3rd yr; and Christopher Gall, 4th yr.

Faculty presentations were made by Dr. Sybil Niemann, DAE director; Professor Pauline Spencer, dental assisting director; Professor Evelyn Oldsen, dental hygiene director; Dr. Christianne Guba, AEGD director; Dr. Arden Christen, preventive and community dentistry chair; and Dr. George Willis, associate professor of operative dentistry.

Now able to reflect on dental school from both sides of the applicant/student fence, Matt sees the success of a dental education hinging in large part upon a strong, if unwritten vow of support that is passed like a torch from one class to the next.

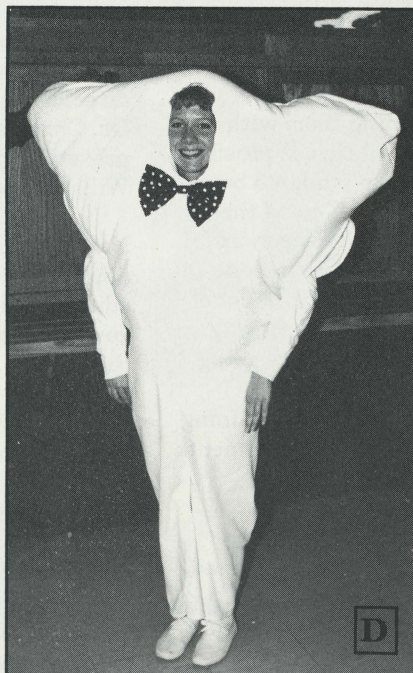
"A lady at the Dental Day lab demonstrations asked me if I knew how many people in my class went to Dental Day last year," Matt recalled. "I stood up and pointed to virtually everyone who was helping out in the lab. These students didn't have to help with Dental Day, but they did it because they want to make life easier for students coming up in the next class. You can't really explain it—it just kind of happens. It's not a situation of 'I'll help you if you help me'; it's more like 'I'll help you if you in turn help someone else.' I think that's the success of the IU system."



Several times during fall semester the dental school's routine of classes and clinics took a back seat to activities of a less predictable nature. For instance:

Photo A) Dental students **Michael Buczolic** and **Heather Hicks** (3rd yr) attempt to regain their composure after being coaxed, on the spur of the moment, into leading classmates in song with help from IUSD's furry, not-so-little friends. **Bucky Bicuspid** (right), dentistry's mascot for the past few years, crashed the lecture to introduce his brother, **Benjamin**. The critters can be spotted at events around the campus and city, promoting dental health as part of a community outreach effort of IUSD and the Indiana State Board of Health. The mascots were funded by IU alum **Dr. Donald Johnson** ('56), of Carmel. **B)** It resembles a scene straight from the aisles of Central Hardware, but dental materials researcher **Hazel Clark** is actually examining merchandise that was on sale in the middle of the dental school's main lobby. In recognition of Fire Prevention Week in October, the school offered a free fire extinguisher inspection to all campus employees in conjunction with IUPUI Fire Protection Services and Koorsen Protection Services Inc. Here **Dennis Garver** of Koorsen's describes some of the products to Hazel. **C)** Out-thumping Thumper. Last Halloween's prize-winning Ninjas from the Office of Student Affairs transformed into a battery of bunnies at this year's party, once again sponsored by the Non-Academic Staff Council. Posing with the Muppets' lovable "Bert," also known as the lovable **Ed Filangeri** (4th yr), are, from left, **Barbara Lerner**, **Sarah Manion**, **Jody Walker**, and **Carole Busch**. The group hopped away with the award for funniest costume. **D)** Dental student **Diane Garrison** (2nd yr) easily scored for most original in her Halloween Tooth 'n' Tie ensemble. **E)** Sardonic of face and boastful of broom, **Zoya Roberts** of dental diagnostic sciences rightfully claimed the prize for scariest. (Photos by Mike Halloran)

DEPARTMENT OF double takes



Indiana Dentists Donate Services to Disadvantaged

Faculty and staff members from the IU School of Dentistry are among more than 400 Indiana dentists who have volunteered to help provide dental care to needy medically compromised Hoosiers through Donated Dental Services, a program created last spring by the Indiana Dental Association and the Indiana Foundation of Dentistry for the Handicapped. The program's goal is to address the unmet oral health needs of society's most vulnerable citizens.

Eligible needy individuals are matched with volunteer dentists who provide comprehensive dental care at no cost. Criteria for eligibility include financial need, dental need, and the severity or permanency of the handicap.

Access to dental care is restricted for thousands of disabled and elderly people in Indiana because they cannot afford it or are unable to travel easily to dentists' offices, and the few public clinics may have lengthy waiting lists and limited services. Medicaid, which offers assistance to the poor, provides limited benefits; and Medicare, which offers care for the elderly, does not provide for dental care.

Governor Evan Bayh lauded the program by saying, "No one would dispute that a mentally retarded individual, a victim of cancer or cardiovascular disease whose savings have been depleted, a chronically mentally ill person, or a frail elderly citizen living on a limited fixed income, is legitimately deserving of help. Government, however, cannot afford to pay for everything such deserving people need, including comprehensive dental care. That is why the Donated Dental Services program is so very important and commendable."

Since the program began the dental school has donated office space to Donated Dental Services Coordinator Anna Kruse, who will eventually be housed with employees of the IDA. She provides applications upon request, conducts telephone interviews, and matches applicants with donating dentists in the applicants' areas.

"The program is off to a good start," says Mrs. Kruse, who is a graduate of the University of Texas at Dallas. "We've been successful in matching a number of patients with dentists." She is impressed but not surprised by the number of Indiana dentists and dental laboratories responding to the call for volunteers. "Helping people who are less fortunate seems to be a Hoosier trait. Enthusiasm for the program reflects the respect Indiana dentists have for the IDA's executive director Mr. Gale Coons, who serves as the Foundation's secretary. Equally instrumental to the success of the program is Foundation president Dr. George Vail, who works tirelessly to make sure all eligible patients receive the services they are entitled to."

Herself a native of Indiana, Mrs. Kruse was raised in Crawfordsville; she moved back to Indiana with her husband, Mark, after living out of state for seven years. She has enjoyed her temporary stay on campus. "The IUSD

staff and faculty have been very pleasant to me and most helpful, even though I'm technically an 'outsider,'" she says. "And the school's dentists have shown a lot of interest in what we are trying to do with this program."

Having worked with dentists statewide, much of the time over the telephone, Mrs. Kruse sums up her impressions thus far: "The program's dentists are 'big hearted' and sympathetic toward the needs of these special people. They treat our patients with dignity, as many of the patients have conveyed to me after their experience with a program dentist."

Eligible individuals and human service organizations may contact Mrs. Kruse at (317) 631-6022. Donated Dental Services in Indiana is made possible through the generosity of The Indianapolis Foundation, The Health Foundation of Indianapolis, Eli Lilly Company, and Noyes Memorial Foundation.

Honorees

The following full- and part-time employees from the dental school were among the 86 state dentists and dental laboratories recently recognized by the Indiana Foundation of Dentistry for the Handicapped for completing donated dental services during the period ending October 15:

Carl J. Andres, prosthodontics
Jeffrey D. Buttrum, oral and maxillofacial surgery
Duane E. Compton, endodontics
Jeffrey A. Linderman, operative dentistry
Roschelle Major-Banks, operative dentistry
M. Charles Moll, oral and maxillofacial surgery
Janet A. Pole, operative dentistry
Lee J. Schaeffer, prosthodontics
Charles L. Steffel, endodontics
James A. Weddell, pediatric dentistry

Photos
by
Mike
Halloran



Orthodontic graduate students and faculty with presenters at reception. L-R: Drs. Richard Ng, Grant Bailey, Anthony Puntillo, students; presenter Dr. Jean-Paul Francke; Drs. Jose Cordero and Christopher Bruch, students; presenter Dr. Manuel Chanavaz; Dr. Timothy Alford, student; Dr. Gene Roberts, chair; Drs. William Sprayberry, John Hiester, Todd Hunt and Shelley Tardy, students.

Lille University med school faculty offer unique approach to head and neck anatomy as it relates to clinical imaging

A limited attendance IUSD continuing education program given on the IUPUI campus in October described a clinically-oriented method for correlating anatomical structures to conventional radiographs, CT scans, and magnetic resonance imaging (MRI). The goal of this "serial" approach to head and neck anatomy, developed by French scientists Dr. Manuel Chanavaz and

Professor Jean-Paul Francke, of Lille University Medical School, Lille, France, is to enable clinicians to make sound diagnostic and therapeutic decisions based upon interpretation of multi-dimensional images correlated to thin anatomical sections of hard and soft tissue.

This is the first time the course has

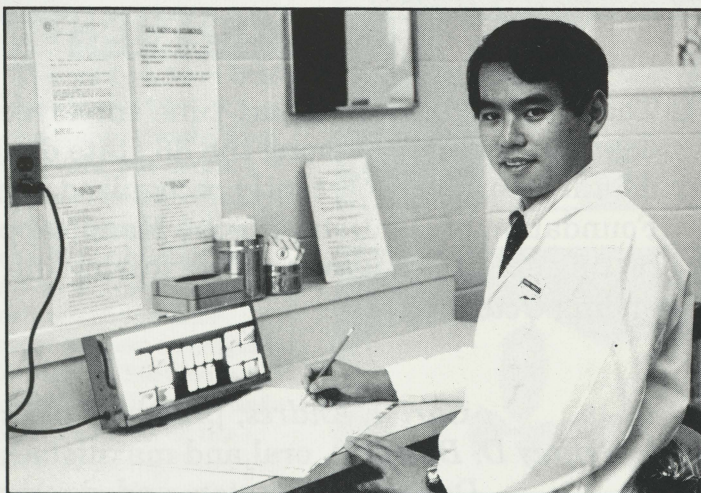
been offered in the United States, according to Dr. Donald E. Arens, IUSD director of continuing education. October's three-day lecture series will be followed by a cadaver dissection workshop in January. Dr. Chanavaz, who holds both medical and dental degrees, chairs Lille University's Department of Implantology and Maxillofacial Reconstruction under a section chaired by Professor Michel Donazzan; Dr. Chanavaz is also a senior instructor in the Department of Anatomy, chaired by Professor Jean-Paul Francke, MD, PhD. Dr. Chanavaz has served IU as an orthodontic consultant for several years.

The head and neck anatomy course included discussion panels composed of IU faculty members Drs. Arens, Dale A. Miles, Charles L. Nelson, and W. Eugene Roberts, all of the dental school; and Drs. A. Michael Sadove, Richard T. Miyamoto, and John J. Coleman, of the medical school. Additional workshop instructors will be Drs. Kenneth Byrd and Mark Seifert, of the IU medical school.

Course participants who gathered at the University Place Hotel for a reception Friday evening were treated to a "mini-course" of an entirely different nature. Dr. Chanavaz the anatomist also happens to be a wine connoisseur; he presided over an informal wine-tasting program with the other guests, judging (in some cases, quite favorably) a variety of wines produced in California.

Spring classes for Norman Yamazaki to include one in Provo, Utah

*Provo-bound
Norman Yamazaki*



Fourth-year dental student Norman Yamazaki will join other students throughout the nation in Provo, Utah, in February for an all-day seminar presented by prominent lecturers Drs. Gordon Christensen, Robert Schallhorn and Rella Christensen. Norman's outstanding record of clinical achievement at IU was the deciding factor in his being selected for the trip

The all-expenses paid trip to Utah for the seminar, entitled "Bridging the Gap: Dental Student to Dentist," is offered by the American Fund for Dental Health and the Procter & Gamble Distributing Company. The course is aimed at students who plan to enter private practice; it will cover the profession's latest technological advances and practice management techniques. A videotape of the program will be sent to participating dental schools so that it may be viewed by other students.

*You Are Invited
by the Indiana Section of the American College of Dentists
to the inaugural*

Dr. Maynard K. Hine Scholarship Lecture

*featuring
Dr. Harald Loe
Director of the National Institute of Dental Research
Indianapolis, Indiana
March 6 and 7, 1992*

The Indiana Section of the American College of Dentists, in cooperation with the IU School of Dentistry, has established a lectureship to honor **Dr. Maynard K. Hine**. In addition to his role as one of Indiana's best known and most highly respected figures in dentistry, Dr. Hine is chancellor emeritus of IUPUI (with the distinction of being the campus's first chancellor), IU professor emeritus of periodontics, former dean of the IU dental school, and a past president of the American Dental Association as well as eight other prestigious national dental organizations. "Few dentists have reached the pinnacle of so many mountains" in the profession, says **Dr. Donald E. Arens**, IUSD director of continuing education and lectureship coordinator. "This gala event gives each of us an opportunity to personally thank this renowned educator, researcher, leader, colleague, and friend for his unselfish devotion to our profession and especially to the dentists of Indiana."

The lecture will be presented by internationally eminent author, researcher, and lecturer **Dr. Harald Loe**, who has directed the NIDR at the National Institutes of Health since 1983. Dr. Loe will address the ongoing efforts of the

NIDR to study and evaluate new products and techniques; he will respond to the controversy surrounding the use of amalgam as a viable and biologically acceptable restorative material.

The program will begin on Friday with a reception (6:30 pm) and dinner (7:45 pm) at the Columbia Club, downtown Indianapolis. Dr. Loe's lecture on Saturday (9-11:30 am) will be held at the IU dental school. At a luncheon following the lecture Dr. Hine will assist the American College of Dentists in presenting the first Hine Scholarship of \$1,000 to the IU Department of Periodontics. Funded in part by the **Procter & Gamble Co.**, the scholarship will be awarded to a graduate student of periodontics in support of the student's research project.

"The American College of Dentists and Indiana University look forward to your attendance at this prestigious and historical event," says **Dr. Edward L. Fritz**, president of the ACD's Indiana Section.

A registration form for the lectureship is provided below.

(cut along dotted line)

Indiana University School of Dentistry Continuing Education First Annual Maynard K. Hine Scholarship Lecture

Date _____

Name(s): _____

Address: _____

City: _____ State: _____ Zip: _____

Check (✓) the appropriate box below:

☐ Register me for the reception/dinner and lecture (including luncheon) at \$100.

☐ Also register my guest(s) for the reception/dinner at \$50 each.
I will have _____ guest(s).

☐ Register me for the lecture only (including luncheon) at \$75.

Number Attending: _____ Amount Enclosed: _____

Make check payable to Indiana University School of Dentistry and mail to:

Indiana University School of Dentistry
Department of Continuing Education
1121 West Michigan Street
Indianapolis, Indiana 46202

For more info phone 317/274-7782 or
fax 317/274-2419 c/o Dr. Donald Arens

Charge* this course to my:

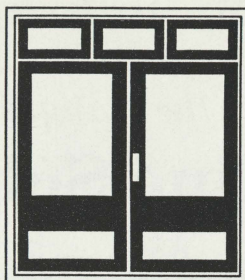
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Card No.: _____

Signature: _____

*Charges will appear as "IUPUI Bursar"

Happy Holidays from



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