

# NEWSLETTER

INDIANA UNIVERSITY SCHOOL OF DENTISTRY

Vol. 3, No. 2  
March-April, 1988

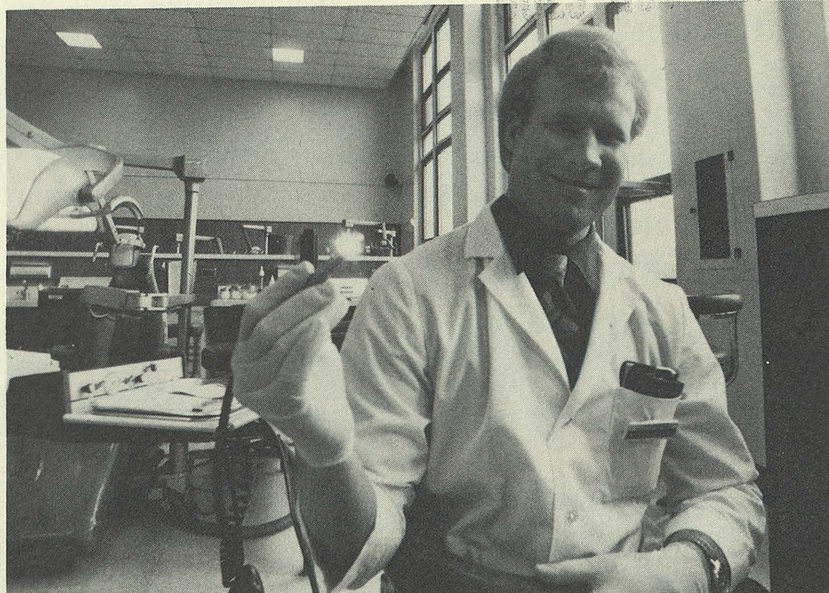
INDIANAPOLIS, INDIANA  
RECEIVED  
APR 22 1988  
I.U. SCHOOL OF DENTISTRY  
LIBRARY

Those time-honored harbingers of spring at the dental school--Table Clinics, Fourth Year Essays, National Boards--have all come and gone, and the rush is on in these last few days of the semester. Just ahead is **Honors Day 1988**, in the same place as usual--but note a new (earlier) time for the Indiana University School of Dentistry's annual awards ceremony on Sunday, May 15. The program will begin at **12 noon** in the 500 Ballroom of the Indiana Convention-Exposition Center, adjacent to the Hoosier Dome. Commencement exercises for Indiana University-Purdue University at Indianapolis will follow at 3 pm in the Hoosier Dome. Commencement for students completing the dental assisting program will be at 7:30 pm Monday, May 16, in the IUPUI Union Building.

The number of students expected to earn School of Dentistry degrees and certificates for the 1988 academic year are as follows: dentistry (94); dental hygiene (31); dental assisting (21); and postdoctoral programs (33). All faculty, staff, and students are welcome to attend Honors Day '88 and help the School recognize another fine group of dental graduates.

## Donations Help 'Light the Way' for Students of Dentistry

Thanks to the generosity of the dental alumni and other supporters of the School of Dentistry, half of the dental units in the Department of Operative Dentistry are now equipped with fiberoptic handpieces. How does that make Dr. Michael A. Cochran, director of the operative dentistry clinic, feel? "Elated!" he says. "And the student response has been excellent."



**Third year student Bruce Bales shows off one of the new fiberoptic handpieces.**

E X C E L L E N C E I N D E N T A L E D U C A T I O N



According to Mr. Danny Dean, IUSD director of development, money for the new handpieces came from private contributions to the School. Another 20 handpieces are needed to fully equip the main clinic.

Illuminating the oral cavity for dental treatment is much easier with the new handpieces, which emit light from two tiny holes directly behind the bur. "Fiberoptic handpieces are especially good for lighting upper posterior teeth and the lingual surface of lower posterior teeth, areas not easily reached with the conventional overhead lamp," says Dr. Jack E. Schaaf, associate professor of dental diagnostic sciences.

"These handpieces are going to make a tremendous difference in our clinic," says Dr. Cochran.

### **Dr. Avery Reports on Visit to Indiana's 'Sister State' in Brazil**

Seminars, symposia, and tours of dental schools were just part of what was on tap for Dr. David R. Avery, professor and chairman of pediatric dentistry at Indiana University, and his daughter, Lisa, when they flew to Rio Grande do Sul, Brazil, last fall. Dr. Avery offers the following account of their whirlwind trip to South America:

My daughter, Lisa, and I were privileged to spend 10 days in Rio Grande do Sul, Brazil, last October. My airfare was provided by the Partners of the Americas, an organization that sponsors constructive projects (agricultural, educational, health-related, etc.) between groups in North America and Latin America, including Central and South America and some Caribbean Islands. The projects are usually undertaken by local chapters which comprise "sister states" and are funded by the central organization. For example, Indiana and Rio Grande do Sul are sister states, and the Partners of the Americas is a longtime supporter of education programs in pediatric dentistry between dentists from Indiana and Brazil (primarily dentists from the state of Rio Grande do Sul).

**Dr. Gilberto Hanke**, director of International Programs in Dentistry for the Partners in the state capital of Porto Alegre, is also a 1968 graduate of the Indiana University master's program in prosthodontics. He graciously served as host, interpreter and coordinator of all our activities in Brazil.

The special link between Indiana University School of Dentistry and dental schools in Rio Grande do Sul goes back about 30 years. Several IU faculty members have spent time teaching in Brazil and a number of Rio Grande do Sul dentists have received graduate training or have been afforded research opportunities at Indiana University.



Educational and research efforts in pediatric dentistry between the sister states of Indiana and Rio Grande do Sul were initiated by **Dr. Ralph E. McDonald**, dean emeritus of Indiana University School of Dentistry and former chairman of the Department of Pediatric Dentistry. **Dr. Paul E. Starkey**, also a former chairman of pediatric dentistry, further strengthened the professional ties between our states in the late 1970s and eventually accepted a six-month teaching sabbatical at the Federal University.

It was rewarding for me to learn during my trip that, as a result of previous visits by Drs. McDonald and Starkey, at least one major achievement was made in Porto Alegre and other cities in Rio Grande do Sul. Both men had emphasized to Brazilian dentists and public health officials that significant oral health benefits could be obtained by fluoridating communal water supplies. The Brazilian officials expressed interest in knowing more about water fluoridation. Dr. Charles W. Gish, then director of the division of dental health of the Indiana State Board of Health and a well known fluoridation expert, sent them the appropriate information. As a result of these exchanges, the public water supplies of Porto Alegre and other cities in Rio Grande do Sul were fluoridated. Water fluoridation is the least expensive and most effective method known for preventing tooth decay. It has undoubtedly benefited many Brazilian children.

During my stay in Brazil I toured the Federal and Catholic universities in Porto Alegre, where I met the deans and many faculty members and students. A previous exchange project (sponsored by the Partners) between Indiana University School of Dentistry and the Federal University of Rio Grande do Sul had resulted in the acquisition and installation of a television teaching facility at the Federal University dental school. During my visit to the school I was able to see the facility being used by students for instruction.

I also participated in a series of seminars, lectures, and symposia conducted at both dental schools and in a five-day meeting held in the mountain resort city of Gramado. Meetings were exceptionally well attended by dentists from many parts of Brazil. At Gramado, 100 dentists were expected to attend the continuing education courses--but 250 registered! A larger auditorium outside the meeting hotel was arranged on short notice to accommodate the group.

A couple of days were spent sightseeing. We especially admired the Brazilian leather goods; knitted sweaters, shawls and blankets; and chocolate. Evenings were reserved for social and cultural festivities. Brazilian charm and hospitality were in high gear throughout our trip. In addition to having a wonderful visit with Gilberto and his wife, Rita, we got reacquainted with many old friends, including some of IU's former students and visitors.

Lisa, an IU senior majoring in fashion merchandising, had a great vacation but also managed to write a report about fashion retailing in Brazil for one of her courses. I returned from Brazil with renewed enthusiasm for planning similar programs in the future. We are both proud to have been a part of this very worthwhile exchange between Indiana and Rio Grande do Sul.



## Project SEEK Scores Again

It was not an occasion when the weather cooperated fully. College students with an interest in learning more about dentistry arrived from the Bloomington campus in the rain on March 3. An hour later, one of the worst ice storms ever to hit Indianapolis was beginning to lay a glaze over the city. Weather notwithstanding, IUSD pulled off another successful **Dental SEEK Day**, thanks to the combined efforts of folks at the dental school, SEEK coordinator Robert Stebbins of IU-Bloomington, and dental practitioners in the area.

This year's group represented some of Project SEEK's youngest participants. All were freshmen who worked Dental Day into their schedules, despite the fact that mid-terms were in full swing in Bloomington.

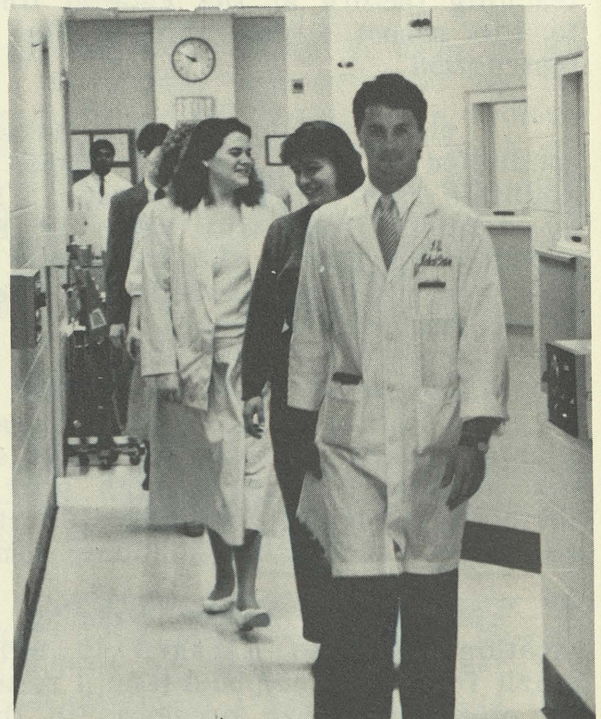
In the morning the students met with Dr. H. William Gilmore, dean of the dental school; **Mrs. Jody Burns**, of the office of dental student affairs; and **Ms. Pauline Spencer**, director of dental assisting. "These young people hadn't made up their minds about careers in dentistry," Jody said. "They were just getting their feet wet. We invited each of them to attend Dental Day next October and to let us know if they'd like to come back for an individual visit."

Fourth year dental student **Michael J. Stroncsek** then took the group on a tour of the building. "We covered it from top to bottom," Mike said. "These students seemed to know a lot about dentistry already. They really got caught up

in what was going on in the operative technique class. They asked a lot of questions about what kind of grades are needed to get accepted into dental school."

In the afternoon the group split up, with each student leaving the dental school to spend time observing a dental team in a private office. Dental practitioners participating this year were Dr. Mark V. Bohnert; Dr. Karl W. Glander; Dr. Kenneth O. Miller; Dr. Jack E. Nicewander; and Dr. James A. Weddell.

Project SEEK is sponsored by IU's Office of Career & Placement Support Services, which offers similar programs for law, medicine and nursing.



Dental student Michael Stroncsek leads the way on a tour through dental diagnostic sciences.



## People In the News

**Dr. Donald E. Arens**, associate professor of endodontics and director of continuing education, was one of two endodontists interviewed by New York Times reporter Jane E. Brody for a feature article on root canal therapy appearing in the Health section of the Times in February.

**Ms. Roschelle Major-Banks**, a third year dental student, was recently named Consultant on Minority Affairs for the American Student Dental Association for 1988-89. Roschelle was chosen by the ASDA board of trustees as a result of a national selection process, according to Mr. Kevin J. Craemer, executive director for ASDA. As consultant Roschelle will serve as the association's chief resource person on minority affairs.

**Dr. Robert J. Dickson**, assistant professor of pediatric dentistry, and **Dr. James A. Weddell**, associate professor of pediatric dentistry, were recently granted diplomate status by the American Board of Pediatric Dentistry. Dr. Weddell was also named a Fellow of the American Society of Dentistry for Children. One requirement of the fellowship is completion of 400 hours of continuing education courses in dentistry for children.

**Dr. William Borman**, assistant professor of dental diagnostic sciences, was reappointed National Referral Chairman of the American Society for Geriatric Dentistry and was also appointed to the Society's board.

**Dr. Chris H. Miller**, professor and chairman of oral microbiology, spoke on the topic of AIDS at the 57th Annual Liberty Dental Conference of the Philadelphia County Dental Society in March. His presentation included a discussion of the importance of infection control and following standard infection control procedures. His remarks appeared in a United Press International news release. Dr. Miller also spoke on infection control at meetings of the West Side Dental Study Club in Indianapolis and the Delaware County Dental Society in Muncie.

**Dr. Lawrence I. Goldblatt**, professor of oral pathology, participated in the annual meeting of the Joint Commission on National Dental Examinations in Chicago in March. He was one of three individuals elected in 1987 to represent the **American Association of Dental Schools** on the 15-member Commission. Other members are representatives of the American Association of Dental Examiners, American Dental Association, American Dental Hygienists Association, American Student Dental Association, and the community at large. Dr. Goldblatt's appointment is for four years. Business at this year's meeting included a discussion of plans to restructure Part II of the National Board Examination.

**Dr. Rosario H. Potter**, professor of oral facial genetics and director of dental biometry and research computing, was reappointed to the National Institutes of Health Division of Research Grants as reviewer for Small Business Innovative Research (SBIR) grant proposals in 1988. The panel recently met in Washington, D.C. for the March proposal reviews. Dr. Potter was also invited by the Directorate of the Smithsonian Foreign Currency Grants Program in Washington, D.C. to review grant proposals involving genetics and twin research.

**Charles J. Palenik**, associate professor of oral microbiology, was awarded a 1988 IUPUI Summer Faculty Fellowship to develop and present an undergraduate Honors course entitled "AIDS: From Varying Perspectives." The course will be offered in the fall through the Department of Biology.



**Dr. Ralph W. Phillips**, research professor of dental materials, presented a lecture at McGill University Faculty of Dentistry in Montreal in March. McGill's dean of dentistry is Dr. Ralph Y. Barolet, a 1972 graduate of the Indiana University MSD program in periodontics. Dr. Phillips also recently participated in an international seminar on dental adhesive systems, sponsored by the 3M Company, in Scottsdale, Arizona.

### A Feast of Information Offered by Presenters of Table Clinic Day '88

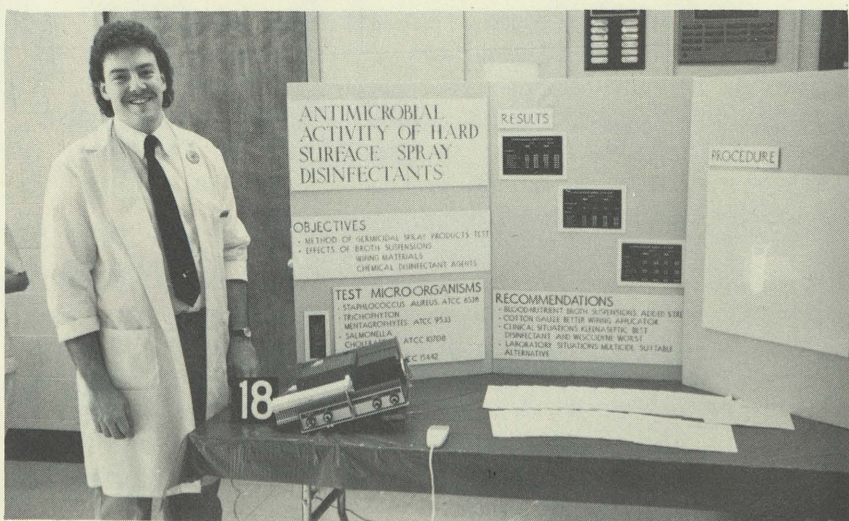
Toting everything from posters and slide projectors to dental molds and computers, 73 School of Dentistry students made their way to the cafeteria, where the paraphernalia was organized into 36 table clinics for the annual Table Clinic Day, held March 14. Topics, as usual, covered a wide variety of timely information on dentistry.

The clinics were divided into four categories for judging: dentistry (fourth year students), dental hygiene, dental assisting, and the American Dental Association/Dentsply Student Clinician Award competition. Second year student **John D. Hiester** was first place winner of the ADA/Dentsply competition for his clinic on antimicrobial activity of hard surface disinfectants. Third year student **Steven F. Rodgers** took second place for his clinic on reactions of rat connective tissue to dentin discs containing nonmetallic restorative materials. Winners in the other divisions will be announced at graduation ceremonies.

IUSD Table Clinic Committee Chairman **Charles J. Palenik** was pleased with the turnout and the quality of the table clinics. This year's judges were as follows: Fourth year student and Dentsply competitions: Professor Palenik, Professor Jeri Francis, Dr. Kichuel K. Park, and Professor Nancy A. Young, all of the IUSD faculty; Ms. Stephanie Litz, a third year student and the 1986 ADA/Dentsply award winner; and Ms. April West Bardonner, a second year student and last year's Dentsply winner.

Dental hygiene clinics: IUSD faculty members Dr. Leonard G. Koerber, Professor Young, and Professor Gail Williamson; and Ms. Julie Vicari, of the Indiana State Board of Health.

Dental assisting clinics: Dr. George P. Willis and Dr. Jack E. Schaaf, of the dental school faculty; and Mr. Mark Dirlam, graphic artist in the Department of Dental Art and Illustrations.



**Mr. John Hiester and the #1 clinic. His prize includes a trip to the ADA meeting next fall in Washington, DC, where the clinic will compete nationally.**



## IUSD Faculty and Students Take Part In Chicago Meetings

The Chicago Dental Society's 123rd Midwinter Meeting, as well as meetings of affiliated professional organizations, attracted the usual large number of individuals with Indiana University connections last February. Participants that we heard about included:

- . **Dr. A. George Wagner**, professor of prosthodontics and chairman, section of complete denture, presented a table clinic at the American Prosthodontic Society (APS) Annual Meeting, and at the Chicago Midwinter Meeting. His topic was on an intraoral device to prevent snoring.
- . **Dr. Malcolm E. Boone**, professor of prosthodontics, served as vice president of the APS and presented a table clinic at the Chicago Midwinter Meeting entitled "Selection of All Anterior Teeth Made Easy."
- . **Dr. Suteera T. Hovijitra**, associate professor of prosthodontics, and **Dr. Fadi S. Saloum**, advanced standing student at IUSD, co-presented a table clinic on porcelain laminate veneers for anterior esthetics at the APS meeting.

Other activity at the Chicago Midwinter Meeting included:

- . **Charles J. Palenik**, associate professor of oral microbiology, presented a table clinic entitled "Disinfection: Methods and Materials."
- . **Dr. Donald E. Arens**, associate professor of endodontics and director of continuing education, gave a clinic entitled "Don't Extract My Tooth," and spoke on clinical aspects and office procedures as a member of a panel presenting "An Overview of the Endodontic Flare-Up."
- . **Dr. Ralph W. Phillips**, research professor of dental materials, moderated a panel on biocompatibility of dental materials.

Dr. Phillips also served as a member of the Scientific Investigation Committee of the American Academy of Restorative Dentistry, which prepares an indepth review of the total dental literature for yearly publication in the Journal of Prosthetic Dentistry. A condensed version of this review was presented at the AARD annual meeting. Dr. Phillips has been asked to chair the Committee for next year.

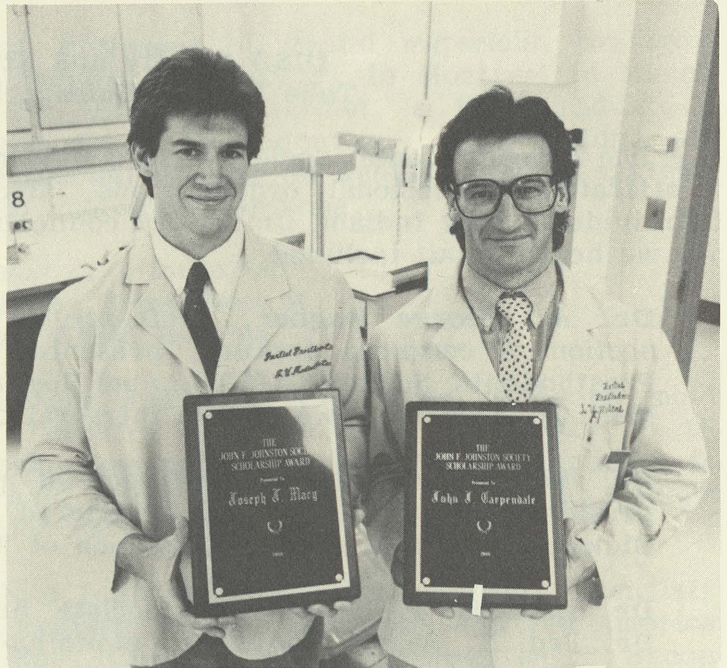
### John F. Johnston Society Names Scholars for 1988

The 1988 Indiana University student recipients of the John F. Johnston Society scholarship award were announced at the annual meeting in Chicago on February 20. Second year graduate prosthodontics students **Dr. John J. Carpendale**, of Kilkenny, Ireland, and **Dr. Joseph J. Macy**, of West Wyoming, Pennsylvania, were named co-winners. Dr. Carpendale is a 1979 graduate of Trinity College, and Dr. Macy graduated from the University of Pittsburgh School of Dental Medicine in 1986.



Each student received a monetary award and a plaque from the Society. Their names have also been added to a plaque on permanent display in the Department of Prosthodontics that lists all recipients since the award was created in 1969.

The Society is named for the late Dr. John F. Johnston, a 1921 graduate of the Indiana Dental College who was an internationally respected prosthodontist and member of the dental faculty at Indiana University.



**John F. Johnston Society scholarship recipients  
Drs. Joe Macy (left) and John Carpendale**

\* \* \* \* \*

### **Craig Stapleton Jumps for Joy**

How does Craig D. Stapleton stack up as a sky diver? "Five deep, so far," says the fourth year dental student from Sacramento, California, who is referring to one of the trickier tricks of sky-diving.

"Five of us jump at 11,000 feet and open our parachutes right away," he explains. By way of some slick maneuvering that involves sliding down the control lines of somebody else's chute and standing, circus-style, on one another's shoulders, the canopies fly into a stack and the team floats in a vertical formation toward earth for several minutes. "The canopy stack is the most difficult that I've done," Craig said in a recent interview. "We completed a five-stack yesterday and I was the last person in. It is a beautiful sight."

Craig sounds like an experienced diver when he talks about the sport, but he's actually been at it less than a year and he still considers himself a beginner. Sharing the air space with Sky Geeks (novices), Sky Gods (pros), and a lot of other hobbyists like himself, Craig spends almost all his free time jumping (providing the day is clear and the winds are low). The cost is \$1 per jump, plus \$1 for every thousand feet up, making the average for a jump \$8-12. He has 71 jumps to his credit, most made from Ace Airport in Anderson, where he received his basic training last summer.

Training is thorough--and fast! The goal of the first day is for each trainee to jump once. "That's a good way to do it," he says, "because you're so busy learning you don't have a chance to stop and think about what you're doing." On Craig's test jump, however, he had ample time to sit and agonize in the back of the plane while two other divers went



out. Palms sweating, stomach churning--and remembering that this was originally his roommate's idea, not his own--Craig stepped outside onto the strut of the plane, grabbed hold of the wing strap and leaned spread-eagle into the wind. "Then I just thought about what I had been told: Let go. Arch. Count to five. Make sure chute is open. If it is not, deploy reserve."

That jump went off smoothly, as have most of his others since. A self-described sky-diving addict, Craig sometimes makes as many as nine jumps in one day. He prefers chute-open floating and in-the-air group activities to free-falling "hop and pop." (From 11,000 feet the ride takes about a minute, 15 seconds in free fall, compared to 15 minutes with canopy.)

"There is no sense of urgency when the canopy is open and you can enjoy the view. You get more jump for your money." Craig also jumps at night, and it was during one of these night flights that his only injury thus far (a banged-up knee) was received when he lost sight of his landmarks and slammed into a road.

Craig has invested about \$1,700 in used equipment. He has deployed the back-up chute only once, after he accidentally wrapped his big chute around a fellow diver in mid-air. "He was a large person and his chute had his weight and my weight on it," Craig recalls. "You could see it starting to collapse so at 1,100 feet I pulled my rip cord and cut away. That action made me face the earth--and boy, was it coming up fast! It's amazing how big corn stalks can look from that position! Then there was a feeling of utter relief when the reserve chute did its work. It gave me a lot more faith in my ability not to panic."

Craig scoffs at the suggestion that sky-diving is a dangerous hobby. "I also scuba dive and am involved in other sports and have had far fewer injuries in sky diving--and more fun. It's a very safe sport if you are responsible. The group I jump with doesn't do foolish things."





**Indiana Faculty & Staff  
On the Mark in Montreal**

For the annual series of research and education meetings, held this year in Montreal, many representatives of the Indiana University School of Dentistry played a role. A report of some of the activity follows.

**American Association of Dental Schools  
65th Annual Session, March 6-9, 1988  
(and associated meetings):**

- . **Dr. Susan L. Zunt**, chairman-elect, Section on Pathology, and program moderator, "Innovations in the Teaching of Pathology"
- . **Dr. Arden G. Christen** (Section on Behavioral Sciences), panel member for program, "Tobacco Use Treatment: Implications for Dental Education"
- . **Dr. James L. McDonald, Jr.** (Section on Biochemistry and Nutrition), panel member for program, "Nutrition Education: History, Current Status, and Future Trends in Four Dental Schools"
- . **Professor Kathleen J. Hinshaw** (IU-Northwest), secretary, Section on Dental Assisting Education
- . **Dr. Melvin R. Lund**, chairman, Section on Operative Dentistry, and delegate, Council of Sections
- . **Dr. H. William Gilmore**, delegate, Council of Deans
- . **Dr. Lawrence I. Goldblatt**, delegate, Council of Faculties; member, selection committee for Harry W. Bruce, Jr., Legislation Fellowship and AADS-Butler Student Legislation Fellowship
- . **Dr. Chris H. Miller**, AADS exhibitor, "Prevention of Disease Transmission: The Preventive Dentistry of the '80s; and co-chairman, 3rd Annual Scientific Session of the Society for Infection Control in Dentistry (also re-elected as a member of Executive Committee and editor for Society)
- . **Dr. S. Miles Standish**, as president of the Organization of Teachers of Oral Diagnosis (OTOD), presided over Silver Anniversary Founders Day Program
- . **Dr. Steven L. Bricker**, OTOD secretary-treasurer
- . **Dr. Jack E. Schaaf**, member of panel discussion on treatment of infectious patients in dental schools, presented during OTOD Founders Day meeting
- . **Dr. Thomas F. Razmus**, elected secretary, Section on Graduate and Postgraduate Education
- . **Dr. L. Michael Stropes**, delegate, Computer Technology Section Formation Meeting



- . **Dr. Carl W. Newton** (Section on Endodontics), presenter, "Assessing Outcomes of Endodontic Education"; and delegate, Omicron Kappa Upsilon national honorary society
- . **Dr. Myron J. Kasle**, secretary, Academy of Oral Diagnosis, Radiology and Medicine

**International Association for Dental Research  
(66th General Session), and American Association  
for Dental Research (17th Annual Session)  
March 9-13, 1988:**

- . **Dr. Kichuel K. Park**, president, Indiana Section of AADR
- . **Ms. Catherine A. Drook**, secretary-treasurer, Indiana Section of AADR
- . **Dr. Chris H. Miller**, councilor, Indiana Section of AADR
- . **Dr LaForrest D. Garner**, co-chairman, Session on Craniofacial Biology--Cephalometrics & Growth/Orthodontic Forces; and chairman, Constitution & Bylaws Committee of Craniofacial Biology Group and member, Craniofacial Biology Research Awards Committee (IADR)
- . **Dr. B. Keith Moore**, co-chairman, Session on Dental Materials
- . **Dr. James C. Setcos**, chairman, Session on Dental Materials--Biomaterials/Orthodontics
- . **Dr. Ralph W. Phillips**, chairman, Task Group on Posterior Composites

**Papers**

(asterisks indicate presenters)

W. Blair\* and T. O'Leary: Attachment Achieved Utilizing Citric Acid or 0.2% Chlorhexidine Root Conditioning

M.W. Beatty\*; M.L. Swartz; B.K. Moore; R.W. Phillips; and T.A. Roberts: Mechanical Properties and Wear Behavior of Selected, Unfilled Resin Formulations

W.D. Bowman\*; G.K. Stookey; R.V. Faller; B.R. Schemehorn; and F.O. Agricola: Enhanced Fluoride Efficiency: In Situ Fluoride Uptake and Remineralization from a Strontium/Fluoride Dentifrice

D.T. Brown\*; C.A. Munoz; B.K. Moore; and C.J. Goodacre: Topical Fluoride Effect Upon Cerapearl and Dicor Castable Ceramics

A.J. Dunipace\*; W. Zhang; G.K. Stookey; and D.W. Allmann: Effects of Acute Fluoride Exposure on Cyclic AMP in the Adult Rat

R.M. Jones\*; B.K. Moore; C.J. Goodacre; and C.A. Munoz: Shear Bond Strength and Microleakage of Porcelain Bonded to Metal



Y. Li\*; N.J. Lagos, A.J. Dunipace; B.L. Olson; J.L. McDonald; and G.K. Stookey: Effect of Human Saliva on Mutagenicity of Benzo (alpha) Pyrene

C.A. Munoz and B.K. Moore\*: Toothbrush Abrasion Testing of Dicor and Cerapearl Castable Ceramics

K.K. Park\*; B.R. Schemehorn; J.W. Bolton; and G.K. Stookey: Effect of Gum Chewing on Plaque pH Response After the Ingestion of Snacks Containing Predominantly Sugars or Starches

B.R. Schemehorn; K.K. Park; J.W. Bolton\*; and G.K. Stookey: Effect of Time and Duration of Gum Chewing on Plaque Acidogenicity

B.R. Schemehorn\*; R.V. Faller; J.R. Wietfeldt; F.O. Agricola; W.D. Bowman; and G.K. Stookey: Enhanced Fluoride Efficiency from a Strontium/Fluoride Rinse

J.D. Sessions and L.D. Garner\*: Changes in Nasolabial Angle Due to Orthodontic Treatment

G.K. Stookey\*; C.A. Rodlun, J.M. Warrick; D.R. Smith; and C.H. Miller: Frequency of Topical Fluoride Application Versus Prevention of Root Caries in Hamsters

G.K. Stookey; C.A. Rodlun\*; J.M. Warrick; D.R. Smith; and C.H. Miller: Effect of Dietary Calcium and Phosphorus on Root Caries Formation in Hamsters

D.J. White; R.V. Faller\*; R.A. Lueders; G.K. Stookey; and B.R. Schemehorn: A Large Base Size In Situ Model for the Quantitative Assessment of F Uptake, Remineralization, Surface Hardening, and Acquired Acid Resistance

### Posters

(asterisks indicate presenters)

A. Christen; J. McDonald; B. Olson\*; L. Cloys; C. Drook; G. Stookey, S. Cohen; and B. Katz: A Comparison of Chemically-Verified Tobacco Usage Among Male Adolescents

H.T. Loevy; A.F. Goldberg\*; and L.D. Garner: Mandibular Angles in Aged Dentulous and Edentulous Patients

R.H. Potter\*: Permanent Tooth Size of Contemporary Young Adult Caucasians

J.C. Setcos\*; M.A. Bassiouny; W.D. Brunson; and R.D. Norman: Clinical Evaluation of a Posterior Composite (4-Year Results)

G.K. Stookey; C.A. Rodlun; J.M. Warrick\*; and C.H. Miller: Root Caries Model: Progression of Alveolar Bone Loss and Root Caries Formation



## University Employees Honored At Reception

Friends, family and other well wishers of Mrs. Lucille Bunton, Mrs. Lula Hill Fisher, and Mr. Charles Wiggles gathered in the School of Dentistry cafeteria on March 25 to congratulate them upon their retirement from the IUSD Department of Building Services. All were cited for their years of dedicated service to Indiana University.

Mrs. Bunton retired after 30 years of employment on the Medical Center campus; she had been with the dental school for the last 17

years. Mrs. Hill Fisher, whose career at IU spanned 35 years, was a long-time employee at the Union Building before joining the dental school staff three years ago. Mr. Wiggles retired in January from his position as assistant supervisor of building services at the dental school; he got his start at IU in 1970 at Cavanaugh Hall. In a brief ceremony at the reception, Mr. Frank C. Blaudow, director of the IUPUI physical plant, presented certificates of appreciation to the retirees.

**Honored guests, from left, are Mrs. Lucille Bunton, Mrs. Lula Hill Fisher, and Mr. Charles Wiggles. (The cake was baked and decorated by Mr. Tyler Rainbolt, of the Department of Dental Diagnostic Sciences.)**



### Dean's Message

Although the national pool of predental students continues to shrink by 10% each year, you'll be happy to know that the Indiana University School of Dentistry has experienced an increase in applicants over last year. The IUSD Admissions Committee reports that 86 students have reserved places in next fall's first year class. Applications for dental hygiene and assisting classes are also up from last year.

Student recruitment is a priority nationwide, and the smaller number of college-bound individuals (in the 18- to 22-year age bracket) is predicted to be a major concern for at least another decade. Applications to IUSD include those submitted by students in nursing and engineering programs, as well as by professionals currently in the work place in search of second careers. The national SELECT program, co-sponsored by the American Dental Association and the American Association of Dental Schools, now



includes recruitment for students in dental hygiene. Our faculty and volunteers from the Indiana Dental Association have been very effective in their efforts to attract qualified students for Indiana's programs.

Summer will be an active time for us all, as some clinical areas are relocated and extensive remodeling begins on numerous lecture halls, research laboratories and offices. We await with great anticipation the arrival in August of **Dr. W. Eugene Roberts, Jr.**, new chairman of the Department of Orthodontics, who comes to us from the University of the Pacific in San Francisco. An internationally respected researcher, Dr. Roberts will be establishing a laboratory for bone research at Indiana University. Studies he has undertaken at the University of the Pacific on the human skeletal system, especially as it relates to dental disease, will be continued here.

Your patience during this period of major renovation (which is sure to bring with it the usual amount of mess and confusion) will be most appreciated. Changes that will enhance our facility and benefit our teaching and research programs are vitally important to the overall mission of the dental school.

Infection control and waste removal are top legislative issues in health care today. And, at the dental school, they are ever-increasing expenses in the budget. Total compliance with guidelines issued by the Occupational Safety and Health Administration is essential. The dental school's Infection Control Committee will soon issue a protocol related to the OSHA guidelines that is specific for the dental school environment. Necessary assistance and monitoring in patient care areas will be carried out by designated staff members in the various departments. Members of the Infection Control Committee are to be commended for their excellent planning and for keeping faculty, staff and students updated.

Another outstanding group of students representing dentistry, dental hygiene, dental assisting and the dental specialties will soon be graduating. Thanks go to everyone involved in this positive year of growth.

HWG

#### **IUSD Students Offer Oral Health Screening For Senior Citizens**

Readers of the Indianapolis Star were treated on March 18 to a photo spread showing Indiana University School of Dentistry students participating in an oral health screening at the Indianapolis Senior Citizens Center. **Ms. Nancy A. Young**, assistant professor of dental hygiene and one of the faculty members supervising "Senior Citizens Day," offered this account of program activities for the Newsletter:

On St. Patrick's Day 55 senior citizens, many sporting a "touch o' the green," visited the Indianapolis Senior Citizens Center for a free oral health screening, offered by the Indiana University School of Dentistry. A team of dental and dental hygiene students spent the morning, under faculty supervision, screening these "patients" for dental decay, periodontal prob-

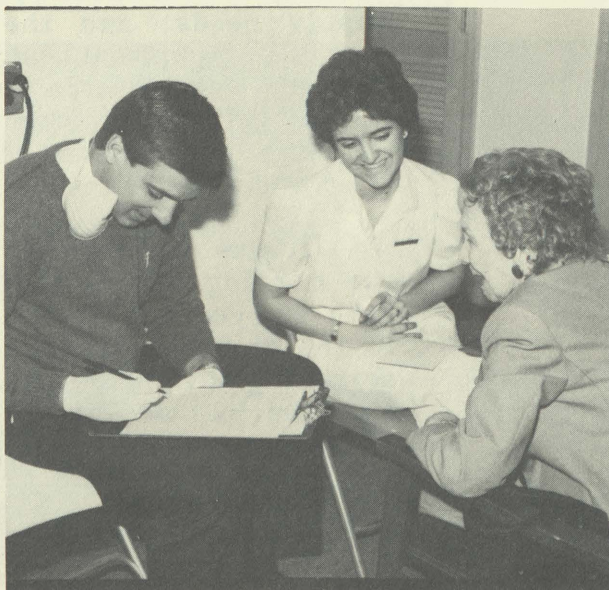
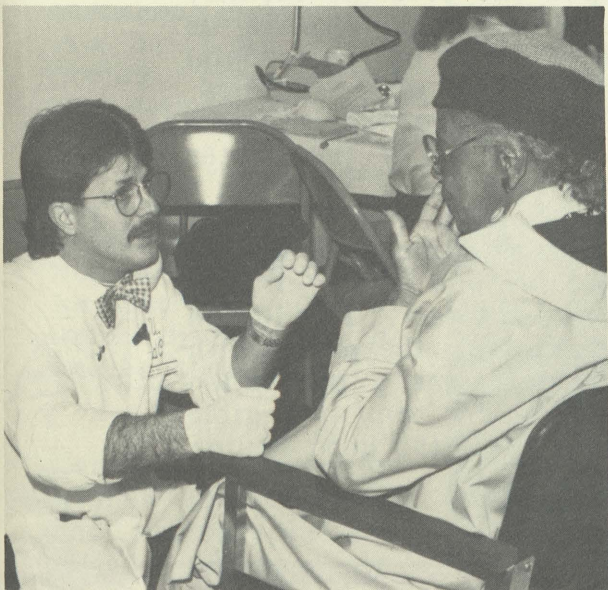


lems, and oral pathology, as well as teaching proper oral hygiene.

The program came about as a class project for 11 second year dental hygiene students enrolled in Community Dental Health. With **Ms. Barbara Main**, the Center's program director, they determined the interests and needs of the senior citizens and planned all phases of the project.

Dental hygiene students transported equipment and supplies to the Center and set up eight screening

(continued on page 16)



Students on site at Senior Citizens Center. In top photos, left to right, are Jill Journey and Jody Segraves. Below are Kevin Hale (photo at left) and Dennie Jenkins with Julie Sipes.



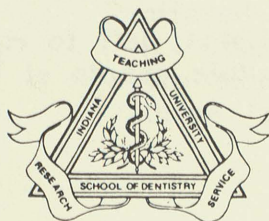
areas in a newly renovated activity room, which had been cheerfully decorated for St. Patrick's Day. Dental students performed the oral evaluations as dental hygiene students recorded findings. Another group of dental hygiene students kept busy cleaning dentures for the senior citizens. Others explained oral hygiene care and provided referral information as needed.

An important goal of the project was to enable students of dental hygiene and dentistry to work as a team in a community environment, thus preparing students for their roles after graduation. The experience also gave students a better understanding of the skills, education and expertise each member brings to the dental team.

Special credit goes to the following dental hygiene students for planning and implementing the project: Cassie Ayres, Stephanie Harlow, Jill Jounray, Diane Kaufman, Julie Osborn, Jody Segraves, Julie Sipes, Brenda Taylor, Bridget Tilson, Michelle Yoder, and Anjie Ziegler. The dental students who helped with the screening were Bonni Boone, Tom Dunn, Chris Faron, Kevin Hale, Jim Humphrey, Dennie Jenkins, Reed Johnson and Larry Weaver.

Faculty supervisors were Dr. Sybil Niemann, assistant professor and director of dental auxiliary education; Dr. Paul Zitterbart, assistant professor of dental diagnostic sciences; and Dr. Joe Macy, second year graduate student in prosthodontics. Mrs. Marsha Strong, IUSD instructor in dental hygiene and consultant in dental hygiene for the Indiana State Board of Health, helped the students identify supply needs, and the ISBH generously loaned us portable equipment and a display on periodontal disease, and donated pamphlets and other supplies. Senior Citizens Center staff members received the students warmly and conducted tours of the Center after screenings were completed.

It was clear from their smiles and chatter during the morning session that students and senior citizens both enjoyed the opportunity to interact. In addition to the obvious benefits derived from the oral health screening by both groups, there was a perception that the 'old and the young' shared many intangible gifts that morning. And there was the good feeling that comes from a job well done.



PUBLISHED FIVE TIMES YEARLY BY THE INDIANA UNIVERSITY  
SCHOOL OF DENTISTRY FOR FACULTY, STUDENTS AND STAFF,  
1121 W. MICHIGAN STREET, INDIANAPOLIS, INDIANA 46202.

EDITORS:  
DIRECTOR OF ART:  
STAFF ARTIST:  
EDITORIAL STAFF:

PAUL BARTON AND SUSAN CRUM  
ROLANDO DECASTRO  
MARK DIRLAM  
DREW BECK AND SARAH MANION