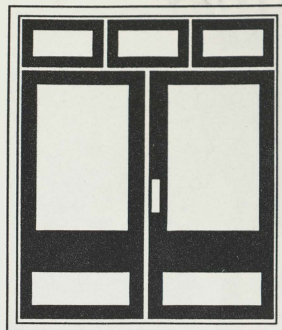


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INSIDE PASSAGES

Indiana University School of Dentistry Newsletter • Volume 5, Number 4, 1990



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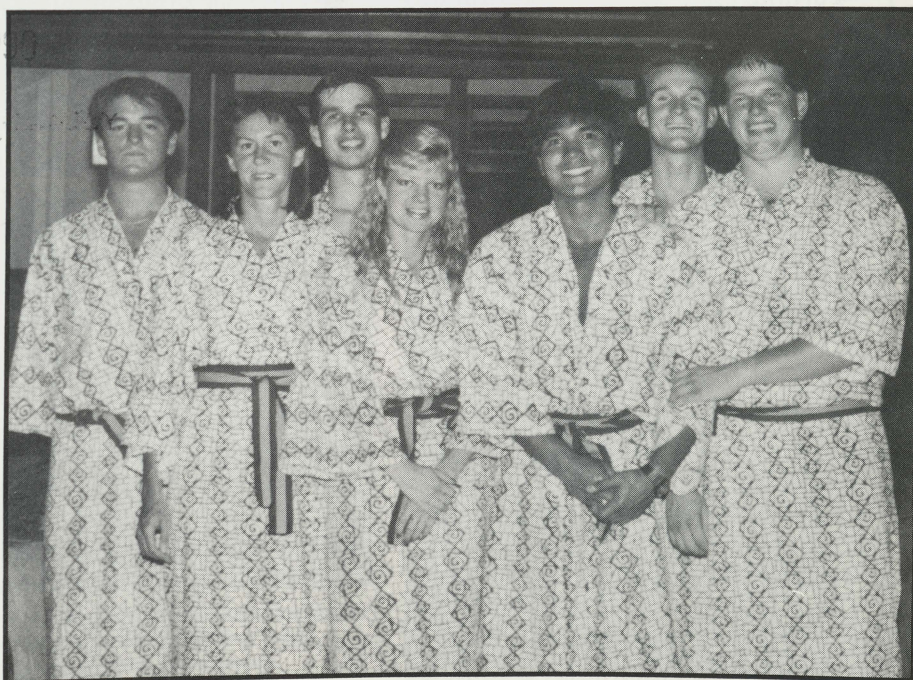


MATSUMOTO STUDENTS IN INDIANA. Standing, from left: Mika Uchiyama, Tomoko Iesaki, Mike Nol (external affairs), Monica Miyazawa, Toru Kageyama, Tsutomu Honda, and Dr. Ichisuke Kawahara (faculty). Seated, Matsumoto Dental College director Koji Nomoto, IU's Dean H. William Gilmore and Dr. Lawrence Goldblatt

NOV 12 1990

—Shiojiri Connection.

*Hoosier dental students
set the predoctoral pace
for future visits to
Matsumoto Dental College
in Shiojiri, Japan.
Story on page 2.*



(Top photo by Mike Halloran. Bottom photo courtesy Jerold Kouchi)

IUSD STUDENTS IN JAPAN. From left: Ronald Steinbrunner, Susan Draheim, Christopher Gall, Janet Dombrowski, Jerold Kouchi, Robert Gottschalk, and William Flora



Jerold Kouchi (center) with MDC founder Dr. Yasushi Yagasaki and his wife

Making memories at Matsumoto

Seven Indiana University dental students stepped off a jet in Tokyo last July—and into an unforgettable three-week experience as visitors of Matsumoto Dental College. Their trip was the first of what is hoped to be an annual student-exchange program between Matsumoto and IU. The two dental schools have shared an agreement of friendship since 1985, but recent activities at the student level were the inspiration of the students themselves.

Turning plans for this program into reality last winter were members of the Class of 1992 and Dr. Hiroshi Yagasaki, a visiting researcher in the Department of Dental Diagnostic Sciences at IU and son of Dr. Yasushi Yagasaki, founder and president of Matsumoto Dental College. Dr. Yagasaki coordinated a comprehensive itinerary that included a week of observation of Matsumoto's dental training program as well as tours of cities and sites throughout Japan.

After the students traveled from Indianapolis to Tokyo at their own expense, they were received as guests of Matsumoto—an experience in hospitality that none will forget. "We were treated with friendship and kindness from the

moment we arrived at the airport," Robert Gottschalk reported when he returned to Indiana. "We talked with many professors, who treated us as equals—they were as eager to learn from us as we were from them. It was much more than an exchange of students; it was an exchange of knowledge, culture, and friendship."

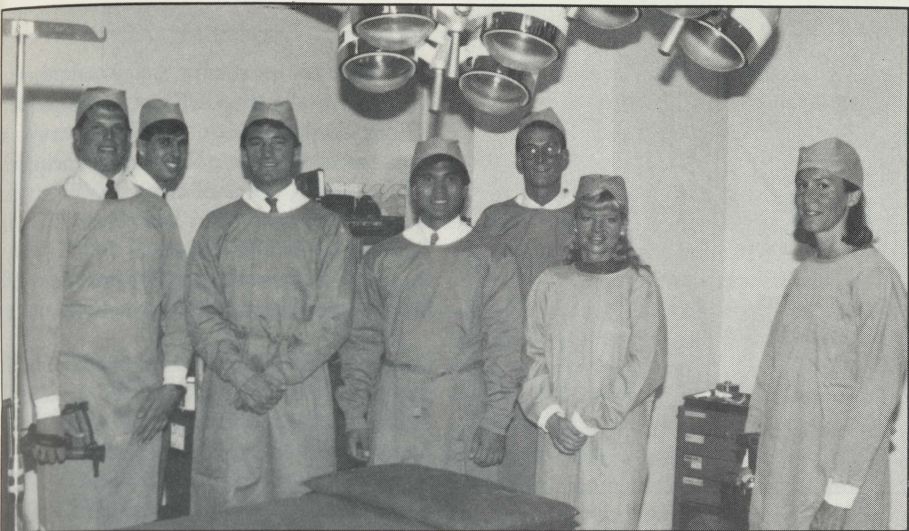
Christopher Gall agrees. "The people at Matsumoto really took good care of us and showed a great respect toward us as students and pre-professionals. They asked *our* advice on matters. They spent a lot of time with us, taking us places and showing us their country. Our trip was taken seriously—we were very impressed by the hospitality."

For the week spent at the College itself, the students received credit for extramural training that is a requirement for graduation at IU. In written reports submitted to Dr. Donald Tharp, IU's associate dean for clinical affairs, the students noted some big differences between training programs and the practice of dentistry here and there. For example:

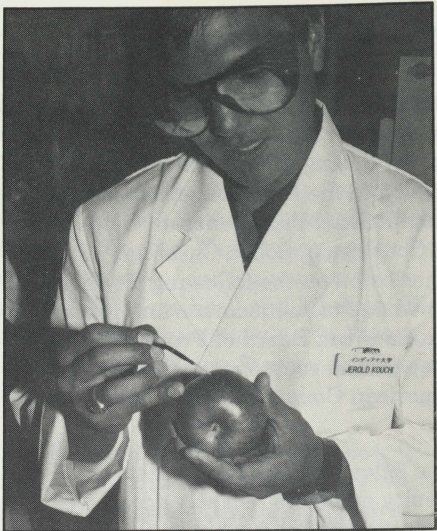
- Matsumoto dental students enroll in a six-year program after high school.
- Most clinical procedures at the pre-doctoral level are performed on elaborate manikins instead of patients. When learning to give injections, you know you hit the 'right spot' when the manikin's eyes light up! "I tried a crown preparation on a manikin," says Jerold Kouchi. "It simulated a patient very well. The 'tongue' and 'soft tissue' were well positioned and felt real. Even a water spray could be used."
- Each student has his or her own desk, TV monitor and phone in operative lab.

- Clinical operators don't usually wear gloves.
- In class, lecturers use intra-oral cameras on real patients instead of slide shows to present their material.
- Since Matsumoto is not affiliated with a hospital or med center, it has its own CT scan, laser instruments, operating rooms and in-patient care facilities.
- Computers are used in every facet of dentistry. Patients check in by slipping a card in a computer, which activates their file. Computers are also used to probe pocket depths and do chartings in periodontics; to analyze jaw movement and TMJ dysfunction in orthodontics; and to detect the apex electronically in endodontics.
- The dental school comprises five buildings—including one for recreation (swimming pool, basketball court, Ping-Pong tables, etc.).
- The market for dentists is competitive. A typical private practitioner treats 80-100 patients during a 10-hour day (and maintains a six-day work week)!

Shortly after the IU group arrived home, five Matsumoto dental students and other MDC representatives traveled to Indianapolis to spend a few days observing dentistry, Hoosier-style. IU's friends at Matsumoto are hopeful that this first student-exchange program is the beginning of a tradition that will continue with a new group of students traveling to Japan next summer. "Visiting Matsumoto after the second year of dental school is the ideal time," says Jerold. "By then, you've had enough dentistry to fully comprehend and appreciate what you're observing on tours of their facilities. We hope that members of this year's second-year class will have an interest in participating. It's a once-in-a-lifetime opportunity."



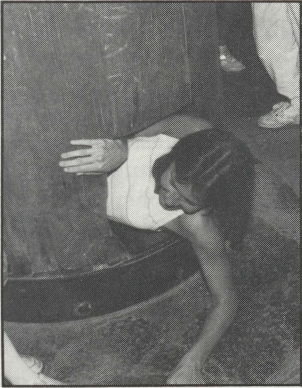
The group in one of Matsumoto's operating rooms. From left: Bill Flora, Chris Gall, Ron Steinbrunner, Jerold Kouchi, Bob Gottschalk, Janet Dombrowski and Susan Draheim.



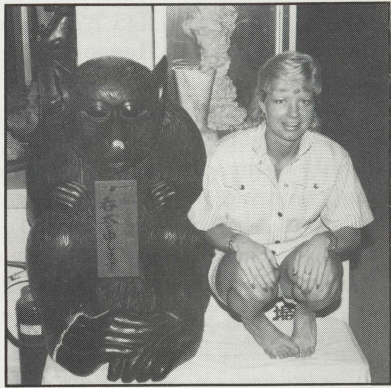
LASER POWER. Jerold uses high technology to cut through an apple with laser light.



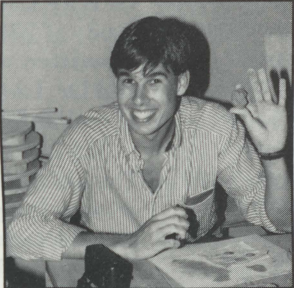
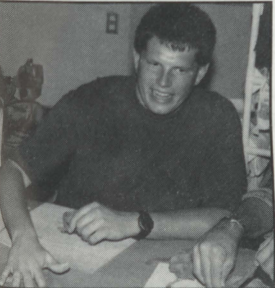
Jerold and Ron "strike the pose" with new friend.



Comprehensive tourist Sue checks out Japanese nooks and crannies.

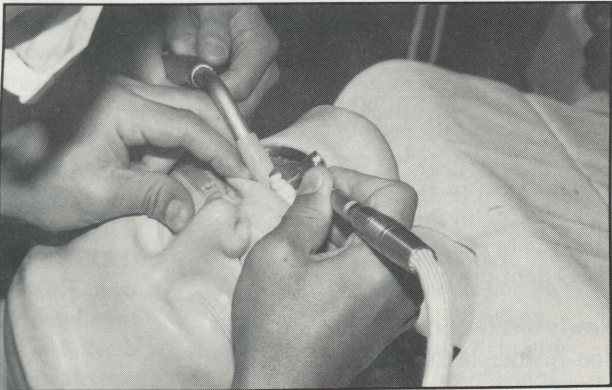


Janet with one of many intricate wood carvings seen on tour

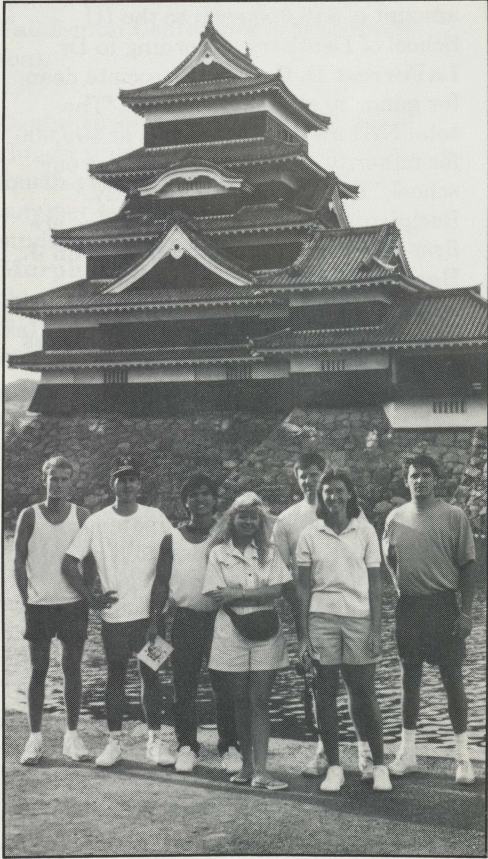


From left: Bill, Chris and Bob try their hand at creating Japanese pottery. Works of art by all 7 students (with their names inscribed in Japanese on each piece) were recently shipped to the IU dental school.

Scenes from Shiojiri and elsewhere on the tourists' trail—photos courtesy Jerold Kouchi



DOUBLE TAKE. Extraordinarily life-like dentoforms and manikins substitute for real patients during most of the predoctoral training program at Matsumoto.



Matsumoto Castle

Dr. **Carl J. Andres**, associate professor of prosthodontics, has been invited to report on a maxillofacial materials survey during the annual scientific session of the American Academy of Maxillofacial Prosthetics on October 29 in Charleston, South Carolina. Also in Charleston on the following day he is scheduled to co-moderate and present an American Board of Prosthodontics preparation course, sponsored by the American College of Prosthodontists.

The following Indiana dentists and IU faculty members recently accepted an invitation to Fellowship in the American College of Dentists: Dr. **Willard H. Damm** (DDS '41), Evansville; Dr. **Diane M. Buyer** (DDS '82), Indianapolis; Dr. **Charles E. Hassel** (DDS '67), Bremen; Dr. **Steven L. Bricker** (DDS '74, MS '76), professor and chairman of dental diagnostic sciences; Dr. **E. Brady Hancock** (MSD '74), professor and chairman of periodontics; and Dr. **Michael A. Cochran** (MSD '75), professor and chairman of operative dentistry. New Fellows were inducted into the College at the annual convocation, held in Boston on October 12.

The National Institutes of Health has awarded two additional Patricia Roberts Harris scholarships in the amount of \$16,000 each to the IU School of Dentistry, according to Dr. **LaForrest D. Garner**, associate dean for minority student services. "The total NIH award now stands at \$96,000 for minority students studying at our school," Dr. Garner said recently. Recipients of the new scholarships are first-year dental students **Kathleen J. Beache** and **Tonya R. Stewart**. Other Harris scholars at IUSD are second-year students **Laura G. Fletes** and **Margaret A. March**; and third-year students **Jennifer L. Satterfield** and **Helen N. Sempira**.

Dr. **Melvin R. Lund**, professor of operative dentistry, participated in the 33rd Congreso Odontológico Nacional of Venezuela, held on the island of Santa Margarita in July. His presentations were on amalgam, resin, and glass ionomer restorations. Serving as Dr. Lund's host was former IU dental materials graduate student Dr. **Alfonso Maldonado** (MSD '77), of Caracas. In August Dr. Lund presented a two-day program, "Update on

WHO'S NEWS

Operative Dentistry," at a dental conference in Guadalajara, Mexico. There he was hosted by Dr. **Oscar Vazquez**, who is currently completing his IU master's degree in operative dentistry.

Dr. **Don-John Summerlin**, assistant professor of oral pathology, presented a continuing education program, "Oral Lesions: The Hygienist's Responsibility," during IUSD Dental Hygiene Alumni Day held in Indianapolis on September 15. The program was sponsored by Sigma Phi Alpha honorary society for dental hygiene.

Fleet-footed faculty members Dr. **Lawrence P. Garetto** and Dr. **Kirt E. Simmons**, both of the orthodontics department, helped IUPUI's running teams make a respectable showing in the city's *Corporate Challenge* runs in September. IUPUI's four-man one-mile executive relay team, to which Dr. Garetto belonged, placed fourth in the overall competition. Dr. Simmons, participating in the one-mile race, finished in 5 minutes, 28 seconds. Dr. Garetto also participated in the five-mile race, completing the run in 34 minutes, 58 seconds. IUPUI team captain was Max*Well Coordinator Vicki Anderson.

Theta Chapter of Sigma Phi Alpha, national honorary society for dental hygiene, has awarded dental hygiene student **Donna L. Krietenstein** its Fall '90 scholarship, which is given to students in the second year of the IUSD dental hygiene program.

Newly elected officers of the IUSD Non-Academic Staff Council are as follows: President—**Jan M. Leach**, dental assistant in periodontics; Vice President—**Cindy L. Anderson**, ad-

ministrative secretary, prosthodontics; Secretary—**Lynn Collins**, principal billing clerk, faculty dental practice; Treasurer—**Sue A. Rogers**, principal billing clerk, office of clinical affairs; Faculty Adviser—Dr. **LaForrest D. Garner**; and IUPUI Dental Staff Representative—**Paul D. Neu**, dental laboratory technologist, prosthodontics

Residents of IU's oral and maxillofacial surgery program participated in the 72nd annual meeting of the American Association of Oral and Maxillofacial Surgeons, held in New Orleans in September. Third-year resident Dr. **J. Jeffrey Hockema** presented a paper entitled "Use of Fine Needle Aspiration Biopsy in Oral and Maxillofacial Surgery." Co-authors are Dr. **Jay Platt**, a 1990 graduate of the program; Dr. **Charles L. Nelson**, associate professor of oral and maxillofacial surgery; and Dr. **Darrell D. Davidson**, assistant professor of pathology, School of Medicine. Third-year resident Dr. **Jeffrey S. McBride** presented two papers: "Skin Graft Harvesting Without Open Donor Sites," co-written with Dr. **Barry L. Eppley**, craniofacial fellow in plastic surgery, and Dr. **A. Michael Sadove**, associate professor of plastic surgery, both of the School of Medicine; and "Rigid Fixation vs. Wire Osteosynthesis: Retrospective Study of 231 Mandibular Fractures," co-written with Dr. Platt, Dr. Nelson, and Dr. **Larry L. Graham**, professor of oral and maxillofacial surgery.

The annual Private Practice Associateship Program brought 26 dentists from 15 Indiana cities and towns together with 29 fourth-year dental students to talk about the associateship experience and to share information about opportunities for dental practice in the state. The conference, held at the school on October 3, included presentations by Dr. **Hala Z. Henderson**, associate dean for student affairs; Mr. **Jerry Jenkins**, legal counsel for the Indiana Dental Association; Indianapolis dentists Dr. **Armin M. Tepner** (DDS '84) and Dr. **J. Thomas Christie** (DDS '88); and Dr. **Raymond Maddox**, Rushville, a part-time IU faculty member in preventive and community dentistry and a full-time general practitioner with two associates.

Dr. **Kichuel K. Park**, associate professor of preventive and community

dentistry, was keynote speaker at the first international symposium on oral health care products, held September 5 in Seoul, Korea. His presentation was entitled "Instead of Drilling and Filling, Develop an Awareness of Prevention." Dr. Park also chaired two other sessions of the symposium as well as the summary and discussion.

Dr. **Gordon R. Arbuckle**, assistant professor of orthodontics, was an essayist during the scientific portion of the annual session of the Great Lakes Association of Orthodontists, held in Colorado Springs, Colorado, on September 24. His topic was "Application of Finite Element Method to Orthodontic Research."

Dr. **George K. Stookey**, associate dean for research and director of the Oral Health Research Institute, served as the U.S. representative to the Federation Dentaire Internationale/International Standards Organization joint working group meeting in Singapore in September. The objective of the program was to develop international standards for toothpastes.

Third-year dental student **Steven R. Schimmele** has been named chairman of the IUSD Annual Fund Drive for 1990-1991. The drive is coordinated by the IUSD Office of Development. Steve is the first student to hold the chairmanship.

The 1991 edition of WHO'S WHO AMONG STUDENTS IN AMERICAN UNIVERSITIES AND COLLEGES will include the names of 19 students from IUSD who have been selected as national leaders. Campus nominating committees and editors of the annual directory have included these students based on their academic achievement, service to the community, leadership in extracurricular activities and potential for continued success. They join an elite group of students selected from more than 1,400 institutions of higher learning. Congratulations are extended to third-year students **Darin B. Ashcraft**, **Rebecca J. Beaven**, **Marybeth Brandt**, **Janet M. Dombrowski**, **Susan E. Draheim**, **Myriam E. Hudicourt**, **Charles A. Hurst**, and **David W. Sutton**; and fourth-year students **Grant S. Bailey**, **Julie A. Boyd**, **Steven A. Douglas**, **Valerie Haught-**

ington, **Stacey Lee**, **Anthony M. Puntillo**, **Douglas L. Ramsey**, **Scott A. Reef**, **Charles A. Sadler, Jr.**, **Amy J. Viano**, and **Sherri L. Wilson**.

Dr. **Bradley B. Beiswanger**, associate professor of preventive and community dentistry and associate director of clinical research at the Oral Health Research Institute, and **Melissa S. Mau**, OHRI assistant director of clinical research, conducted dental caries screening examinations on 450 children in Ponce, Puerto Rico, September 22-29. Former IU dental materials graduate student Dr. **Augusto Elias** (MSD '75) coordinated the exams, which were offered to children from four parochial schools in the Ponce district, and served as a co-investigator. "Based on the results of these screening data," Dr. Beiswanger recently reported, "we are anticipating beginning a large-scale three-year study with Dr. Elias to determine the effects of sugarless chewing gum on dental caries incidence." Dr. Elias is a full-time faculty member at the University of Puerto Rico and vice president of the Puerto Rican Dental Association.

Also in September, Dr. Beiswanger traveled to Mexico to address 300 members of the Mexico City Dental Society on the topic, "Pathogenicity, Microbial Composition and Chemotherapeutic Control of Dental Plaque." He also lectured to first- and second-year dental students at the University of Florida, Gainesville, on the prevalence, etiology and control of dental caries.

Short-term Research Training Grants from the National Institutes of Health once again provided the funding and the opportunity for students to undertake research projects during the summer months after their first year of dental school. The annual NIH program is directed by Dr. George K. Stookey and Dr. James L. McDonald, Jr., professor of preventive and community dentistry. Six grant recipients presented results of their work during fall meetings of the Indiana Section of the American Association for Dental Research. They include **Daniel A. Burns** (*Lipomas of the Tongue*); **Katrina L. Huizing** (*Antimicrobial Abilities of a Gypsum [Type IV] Containing a Disinfectant*); **Marisa A. Ley** (*Evaluation of the Antimutagenic Potential of Selenium,*

Molybdenum [VI], Germanium, and Iron [II] against Benzo[a]pyrene Using the Ames Salmonella Mutagenicity Test); **Carlo C. Lo** (*Reactions of Rat Connective Tissue to Freshly Prepared Glass Ionomers and Composite Resins*); **Kurt F. Martin** (*Facial Description by Cephalometry of Individuals in Multiplex CL (P) Families*); and **Michael E. Reeves** (*Development of an In Vitro Fissure Model Using Smooth Surface Enamel*)

The IUSD Alumni Association honored the following individuals in September: **Myron J. Kasle** (DDS '62), Howard Riley Raper professor emeritus of radiology, as Honorary Alumnus of the Dental Hygiene Program (presentation made during Dental Hygiene Alumni Day in Indianapolis); and **James R. Platt** (DDS '61), Fort Wayne, as Distinguished Alumnus; **Ben B. Pence** (certificate in orthodontics '59), Columbus, as Honorary Alumnus of IUSD; **Ray K. Maesaka** (DDS '60), professor of prosthodontics, Distinguished Faculty Award for Teaching; **David Bixler** (DDS '59), professor and chairman of oral facial genetics, Distinguished Faculty Award for Research; and **Kit Klingelhofer**, IU director of sports information, Bloomington, Certificate of Appreciation (all presentations made during the 48th IUSD Fall Dental Conference in Bloomington).

Dental students ranking at the top of clinical production in the third- and fourth-year classes for the 1990 summer session are fourth-year students **Steven C. Salkeld**, **Marc A. Murphy** and **Dean H. Oller**; and third-year students **Gina M. Dilger-Salkeld**, **Norman Yamazaki**, and **Michael J. McKim**. Clinical achievement recognition is given at the end of each semester and summer session and includes a monetary award.

Correction—

In the last issue of *Inside Passages*, we inadvertently mixed up the names of mentors for participants of the NIH-funded Summer Research Program for Talented Minorities. Eva Cruz, a student at IU-Bloomington, worked under the guidance of Dr. Jean D. Schoknecht, supervisor of the Scanning Electron Microscopy Facility.

Dr. Michael Cochran heads national 'Gold Foil' group

Dr. Michael A. Cochran, professor and chairman of operative dentistry, was installed as president of the American Academy of Gold Foil Operators during the organization's annual session in Boston in October. He also served as this year's program chairman.

IU's Department of Operative Dentistry was well represented at the Academy's meeting. Dr. Timothy J. Carlson, associate professor, made a presentation entitled "Direct Gold from the Viewpoint of the New Graduate." His discussion was based on results of a recent survey he conducted with some of IUSD's newest grads.

Dr. Carlson was also surprised to learn at the meeting that he was the recipient of the Academy's Outstanding Clinician Award, presented by Dr. Ronald K. Harris, professor of operative dentistry.

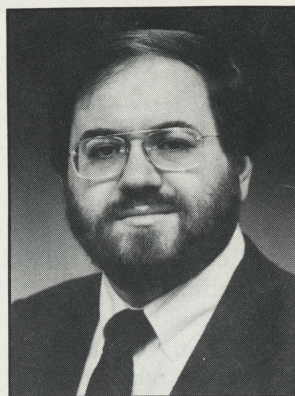
Dr. Harris also installed the new officers and during the clinical portion of the program demonstrated placement of a Class III foil.

Dr. George P. Willis, associate professor, presented a program entitled "Direct Gold from the Far Side," which involved a discussion of gold foil use in animal dentistry.

A word to the Century Club

The IUSD Office of Development wishes to thank all members of the Century Club for their ongoing support of the School of Dentistry, and to welcome all new faculty and staff members who joined the group last summer by making their contributions through IU payroll deduction. A list of Century Club members (individuals whose annual gifts to the school are \$100 or more) will appear in a special edition of the IUSD *Alumni Bulletin* currently in press.

"It is important to us that *every* donor is listed in the honor roll accurately," says Danny R. Dean, director of development. "To make sure that happens, we ask that your contributions for 1990 be made by the last day of the year. Checks should be made payable to the Indiana University Foundation, and sent to the IUSD Office of Development, 1121 West Michigan Street, Indianapolis, Indiana 46202. Gifts that arrive by December 31, 1990, will be listed on the 1990 honor roll, to be published in 1991. Gifts that arrive thereafter will be listed with donations for the following year. The generosity of the IUSD Century Club is deeply appreciated by our students, faculty, and staff. Thanks for helping us keep Club records as accurate as possible."



Dr. Thomas R. Katona

Dr. T.R. Katona joins IU faculty

The School of Dentistry welcomes new full-time faculty member Dr. Thomas R. Katona, who was appointed assistant professor of orthodontics September 1.

Dr. Katona earned a DMD degree from the University of Pennsylvania School of Dental Medicine in 1982; he

also holds BS, MS, and PhD degrees in mechanical engineering from the university's College of Engineering and Applied Science. He was a Ford Foundation fellow at Pennsylvania in 1971 and 1972, and a research fellow from 1973 to 1975.

In 1983 Dr. Katona joined Fairleigh Dickinson University's faculty as assistant professor of restorative dentistry and director of the dental materials program. A year later he was given a joint appointment with the College of Science and Engineering as research assistant professor of mechanical engineering.

Dr. Katona's publications and presentations have focused primarily on analyses of tooth movement, tooth eruption, and other dental phenomena from an engineer's perspective. Current areas of research include finite element stress analysis and computer modeling of the periodontal ligament. He belongs to several engineering honor societies and the Dental Materials Group of the American Association for Dental Research, and is a fellow of the Academy of Dental Materials.

John Morgan's pen gives publication a new lease on *Life at IUPUI*

An impressive, informative eight-page newsletter arrived in mailboxes throughout the campus in September. In case you didn't notice, those spiffy changes to the IUPUI Staff Council's *Life at IUPUI* are the work of a new editor—our own John J. Morgan, supervisor of stores and acquisitions in the dental order office. For this role John draws on experiences from years ago—as editor of high school and college newspapers, as a public affairs officer at U.S. embassies abroad, and as news editor briefly of a weekly paper, the *Brownstown Banner*. John welcomes input from his readers. Letters to the editor should include a name, department, and phone number. He's also interested in articles or article ideas (publication would depend on space, timeliness, and pertinence to campus readership). Deadline for the next issue of *Life at IUPUI* is November 19. For more information, call John at 274-5111.

Staff Council extends a hand (holding \$\$\$!) to full-time employees who are also students

Employee by day. Student by night. (And homework whenever you can fit it in.)

It's a schedule many School of Dentistry staff members have learned to live with as they seek to further their education, and such efforts have not gone unnoticed by the IUSD Non-Academic Staff Council. The Council recently announced that it will award a \$250 scholarship to a staff member who has been juggling full-time employment with part-time studies.

To be eligible for the scholarship, applicants must be full-time non-academic staff employees of IUSD with at least three years of service

to the school. Applicants must also be *currently enrolled* degree-seeking students (fall and spring semesters) working toward completion of a vocational, associate, baccalaureate, master's or doctoral degree from any college, university, or vocational school. The award does not apply to continuing education courses.

To be considered for the scholarship, candidates should submit the following documents to the Non-Academic Staff Council's Personnel Affairs Committee (care of Room 423, Department of Periodontics): 1) proof of current enrollment (such as a copy of a bursar's receipt for the current semester); 2) a current copy of the transcript of grades; and 3) a

typed essay of approximately 100 words entitled "Why I Want This Scholarship." The Committee is accepting applications at this time—final **deadline to submit an application is May 3, 1991** (end of spring semester). No application material will be returned.

During the summer the Non-Academic Staff Council's president, faculty adviser and student representative will select the winner after reviewing all applications without knowledge of applicants' identities. The scholarship award recipient will be announced at the Council's fall meeting and presented with a check for \$250.

For more information, contact a member of the Personnel Affairs Committee (Judy Doyle, periodontics, 274-4458; Anne Hall, library, 274-7204; or Brenda Fountain, dental hygiene, 274-7801).

Changing of the guard

The next time you trip over your feet in the hallway and send a full mug of coffee flying, don't call Jim. Call Joe.

Two recent promotions have brought about a change in management of the School of Dentistry's Building Services. Twelve years after assuming responsibilities as head of Building Services, James K. Thompson has moved on to IUPUI Campus Facilities, where he serves as assistant to Robert J. Hartpence,

assistant director of IUPUI Campus Facilities (Physical Plant). Joe Smith, a campus employee for nine years, has moved up to supervisor of IUSD Building Services from his former position as Jim's assistant.

Jim looks forward to exploring his new territory on campus—all 4,435,326 square feet of it! (The Physical Plant covers about 55 buildings in all, including parking garages, tunnels, and Jim's old stamping ground, the dental school.) Jim promises that we haven't seen the last of him. "I'll still be in the dental school a lot," he said recently. "One of my administrative duties will be to coordinate a survey of the campus. We're doing a time study of departments throughout IUPUI."

He will remember his years at the dental school fondly. "Heading building services is a difficult job," he said. "But most persons had a positive attitude toward my department, and that made it easier on me. I tried to reflect that back. I enjoyed the students—the cliché is true—they really *do* keep you

young. The staff was very, very good to me."

This campus is in the throes of tremendous change, but few have witnessed the transformation as Joe Smith has. "I grew up in this neighborhood," he says, "and I can remember when many of these buildings weren't here. I went to grade school at IPS #4—today my old school is IUPUI's Mary Cable Building." Joe came to the dental school in 1982 after a six-year stint as supervisor of Building Services in the Union Building. (He seems to be off to a good managerial start—a nursing student using our building to cut across campus last week remarked to an employee: "This is the cleanest building on campus!")

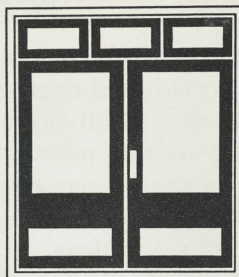
"Employees today are versatile, not one-dimensional," says Joe, "and these are the types of people I'm interested in working with. I'm aiming for a family atmosphere, for us to take care of the dental school as we would our home. We want to carry out our ideas to the best of our abilities. I want my staff to feel good about themselves, and I want employees and students within the school to feel good about us."



Susan Crum

Jim Thompson (left) and Joe Smith

INSIDE PASSAGES



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