

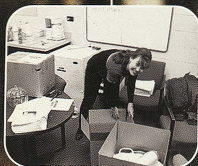
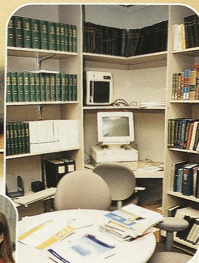
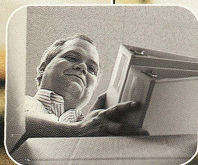
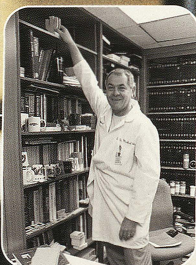
INDIANA UNIVERSITY
SCHOOL OF DENTISTRY

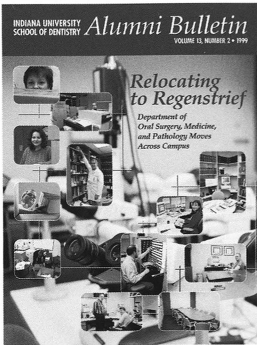
Alumni Bulletin

VOLUME 13, NUMBER 2 • 1999

Relocating to Regenstrief

Department of
Oral Surgery, Medicine,
and Pathology Moves
Across Campus





Department in Motion. Another page was added to the IU School of Dentistry history books in December 1998, when a large portion of the school's Department of Oral Surgery, Medicine, and Pathology was moved into facilities in the Regenstrief Health Center on the north side of campus. Faculty and staff packing up at the school (black and white photos), clockwise from top, are: Susan Shafer, administrative assistant to the department chair, Dr. Mark Wohlford; Mary Ann Stone, oral pathology administrative accounts clerk; Dr. Charles Tomich, professor of oral pathology (making sure his IU collectibles don't get left behind); Maria LoGiudice, visiting instructor in oral and maxillofacial surgery; Dr. Mark Wohlford; and Dr. Susan Zunt, associate professor of oral pathology.

In the color photos, taken at Regenstrief, are clockwise from top: the library; Dr. Wohlford in the chair's office; conference room; Dr. Edwin Parks, associate professor of dental diagnostic sciences, visiting Dr. Don-John Summerlin, associate professor of oral pathology, in his office; Dr. John Campbell, assistant professor of oral and maxillofacial surgery, reviewing slides; and Maria LoGiudice at work on her computer.

The cover's background photo is a close-up view of the oral pathology division's multi-headed microscope.

Cover photos by Tom Meador. For more about the move, see page 12.

FEATURES



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1 MAN, 2 CHAIRS, MANY GOALS

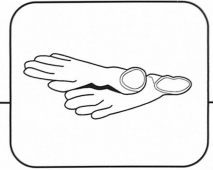
**E. Steven Duke assumes
the chair of IUSD's
Department of
Restorative Dentistry
and the Indiana Dental
Association Endowed
Chair in Restorative
Dentistry**



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Mark Your Calendars



Indiana University
School of Dentistry

57th Annual Fall Dental Alumni Conference

September 30 –
October 2
1999

*Hoosiers Play the
University of Illinois*

My Dear Friends and Colleagues,

As you read this column, the faculty, staff and students of our School of Dentistry are preparing for one of the most important evolutions in the life cycle of a dental school: our site visit from the Commission on Dental Accreditation. These visits to U.S. dental schools are regularly scheduled by the Commission every seven years; IU's next visit is set for September 1999.

As part of our preparation, faculty subcommittees have been busily preparing a self-study report on the dental education (DDS) program with all its components: Institutional Effectiveness, Educational Program, Faculty and Staff, Educational Support Services, Patient Care Services, and Research Program. In addition, five of our advanced education programs (endodontics, periodontics, orthodontics, pediatric dentistry, and prosthodontics) and our programs in dental hygiene and dental assisting will undergo their accreditation site visits as well.

Our advanced education program in oral and maxillofacial surgery was site-visited in spring 1998 and was awarded full accreditation by the Commission at its meeting in January 1999. Our General Practice Residency program received full accreditation by the Commission last year. Congratulations to Drs. Mark

Anderson and Mark Wohlford for the OMFS accreditation and to Dr. Heidi Crow for the GPR's.

The upcoming accreditation site visit for our dental education program will be different from any we have ever had before for at least two reasons: 1) we are dealing with a new set of accreditation standards, fewer in number but more firmly based on competencies than the old standards; and 2) we have a new curriculum; in fact, at the time of the site visit we will be between curricula, with three classes in the new curriculum and one in the old. This will be a challenging exercise for all, but we believe we have the opportunity, in part because we are still in the first wave of accreditation under the new standards, to truly set the gold standard for dental school accreditation for the next generation. Stay tuned.

As I look back on my past two years as dean of IUSD, I must say that amongst the groups with whom I have been most impressed are our students. These young professionals have not only performed very well in our new curriculum, they have been true partners in this educational innovation and advancement. At each turn they have been open and candid in their observations of our new curriculum. Their input has been a key factor in helping us continually improve our system. As a result, this has truly been an all-hands effort.

As we, the faculty, look upon our task we must never forget that our school exists primarily for one reason—and that reason is our students. Of course, we carry on outstanding research and deliver top-quality patient care and community services, but were it not for our students, the other activities would not be happening.

What is it that we do for our students? Basically, three things: 1) we recruit and admit those students we feel have the best chance of being successful in our profession; 2) we provide them with the best possible learning opportunities; and 3) we assess their progress frequently to determine their appropriateness to proceed through the curriculum and into the practicing profession. These are daunting responsibilities, but they are why we are here. Our students are by far our most precious charges. They are like diamonds in the rough, ready and anxious for us to help them polish every facet of their talent so that they can bring their brilliance into our profession and increase its value into the next generation. That is our pledge to both our students and our profession, and we are committed to achieving that goal every day.

In this issue of the *Alumni Bulletin* you will read of our ongoing and new activities and events. Of particular note is our welcome of Dr. E. Steven Duke as professor and chair of the

On Course

Indiana University School of Dentistry Continuing Education Calendar

(Courses held in Indianapolis unless otherwise stated)

Department of Restorative Dentistry and Indiana Dental Association Endowed Chair in Restorative Dentistry. Dr. Duke, an alumnus of our graduate programs in operative dentistry and dental materials, brings a wealth of experience and international acclaim as a scholar, clinician, and scientist. We are most pleased to have him join our IUSD family. In addition, you will read of the retirement of Sandy Manion, a cherished member of our IUSD family and a true and loyal friend to everyone who has walked the halls of IUSD for the past 37 years. You will also read of the first annual Hine Legacy Society recognition dinner, celebrating those who have given to our School of Dentistry through planned gifts. Also, we are extremely proud to have hosted the National Dental Association's annual meeting for District II. We look forward to participating in many such programs in the future.

Thank you very much for continuing to keep up with the many exciting events occurring at our school by reading our *Alumni Bulletin*. And thank you for your many kind words, written and spoken, about our progress. It is a wonderful time to be part of dental education and dentistry. I'll write again soon. You do too.



Lawrence I. Goldblatt, DDS, MSD
Dean

September 10

CE-574 Communicating in the Dental Office: Pitfalls and Opportunities (1999-2000 Dental Hygiene Series Part 1)

Dr. John Chaves, IUSD head of behavioral medicine and bioethics

September 18

CE-575 Increase Income and Reduce Stress with Radiosurgery/Electrosurgery—Workshop

Dr. Keith Rosse, International Dental Consultants, Malverne, N.Y.

September 18, 25

CE-577 Radiology for Dental Personnel—Lecture and Laboratory

Gail Williamson, IU associate professor, Department of Oral Surgery, Medicine, and Pathology

September 25

CE-576 Chairside Application of CEREC Technology—Lecture and Demonstration

Dr. David Lawler, Bloomington, Ind.

October 1

CE-578 57th Annual Fall Dental Alumni Conference (held in Bloomington)

Topic to be announced.

Dr. Julie Koehler, College of Pharmacy and Health Sciences, Butler University; and Indiana University—Methodist Hospital Family Practice, Indianapolis

October 8, 9

CE-580 Advanced Endodontic Concepts, Technology and Techniques—Lecture and Workshop

Dr. Donald Arens, IU associate professor, Department of Restorative Dentistry

October 16

CE-582 Practical Occupational Therapy

Brian Pease, Indianapolis

October 20

CE-583 Recognition and Management of Common Oral Diseases in Dental Practice

Dr. Susan Zuni, IU associate professor, Department of Oral Surgery, Medicine, and Pathology

October 27

CE-581 Emergency Medicine

Dr. Stanley Mamed, University of Southern California, Los Angeles (co-sponsored with Delta Dental)

October 29, 30

CE-584 Periodontal Surgery for the General Dentist—Lecture and Workshop (limited attendance)

Dr. Donald Weissman, Chicago, Ill.

October 30

CE-585 CPR: Basic Life Support for Dentists and Allied Dental Professionals

Sue Kelly, IUSD teaching coordinator for CPR

November 6

CE-586 Surgical and Prosthetic Challenges in Implant Dentistry: An Integrated Approach

Dr. Louis Rose, Allegheny University Hospitals, Philadelphia, Pa.

November 12

CE-587 Helping People Routinely Choose Your Finest and Most Complete Care

Dr. Robert Frazier Jr., R.L. Frazier & Associates, Inc., Austin, Texas

November 19

CE-589 Periodontics for the New Millennium (Dental Hygiene Series Part 2)

Dr. Roy Page, University of Washington School of Dentistry, Seattle

December 3

CE-591 IDA-IUSD Academy of Continuing Education: Practical Crown and Bridge for Predictable Esthetics

Dr. Gerald Chiche, New Orleans, La.

For information about courses, fees, credits, and registration contact Dr. Donald Arens, director of Continuing Education, Indiana University School of Dentistry, 1121 West Michigan Street, Indianapolis, IN 46202-5186.

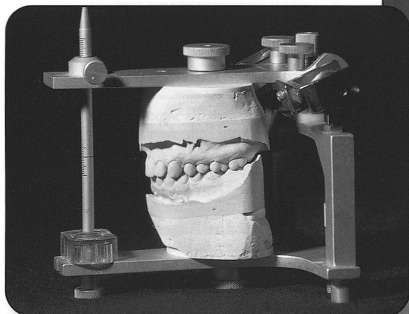
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1 MAN, 2 CHAIRS, MANY GOALS

Indiana University School of Dentistry welcomes Dr. E. Steven Duke, first Indiana Dental Association Endowed Chair in Restorative Dentistry and the school's new head of Restorative Dentistry.

by Susan Crum

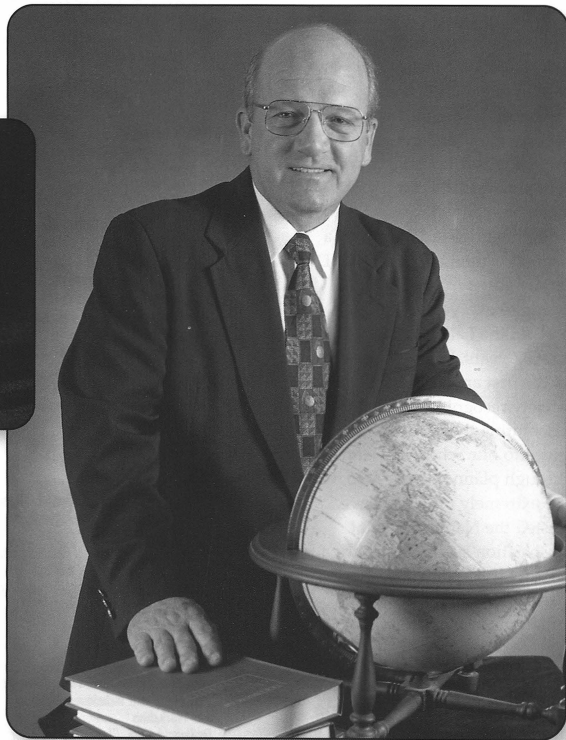
Photos by Tom Meador



The search for the IU School of Dentistry's newly established Indiana Dental Association Endowed Chair in Restorative Dentistry is finally over.

It was global in scope. And lengthy. As the search stretched beyond two years, the committee charged with the responsibility of identifying candidates for the IDA chair remained determined to find a person with qualifications as special as the position itself.

In late fall of 1998, Dr. Lawrence I. Goldblatt, dean of dentistry, announced that Dr. E. Steven Duke, a longtime professor at the University of Texas Health Science Center at San Antonio and well-known lecturer and researcher in the field of restorative dentistry, had accepted the position. He officially joined the IU faculty



E. Steven Duke, Chair of the Department of Restorative Dentistry and Indiana Dental Association Endowed Chair in Restorative Dentistry

on January 1, 1999, assuming responsibility not only for the IDA chair, which is an honorary title endowed by the Indiana Dental Association through the Indiana University Foundation, but also for the chairmanship of IU's Department of Restorative Dentistry.

A few months into his new career at IU, Dr. Duke gives every indication of being a teacher, researcher, and administrator well worth the wait.

"Steve is a wonderful addition to our already superb faculty in Restorative Dentistry," said Dean Goldblatt.

The IDA chair is the result of an ambitious Indiana Dental Association fundraising campaign launched years ago through the IDA/IUSD Pursuit of Excellence program. The Pursuit of Excellence fund was established in 1980 as a way for the Association to contribute to the school's acquisition and retention of outstanding faculty. Over the years the fund has been used to pay for a variety of school projects, programs, and equipment.

Endowing a chair for Indiana University was the ultimate, long-held dream of the IDA leadership, and, at \$1 million, one of its most costly ventures. Such dreams are rare in dentistry—only one other state dental organization endowed a chair for the dental school in its state before the IDA did—but they are characteristic of Hoosier dentists' enthusiasm for and long-term commitment to dental education at IU.

One of those dentists stood before the IU dental school faculty at the annual teaching retreat in Spencer, Ind., last fall. As one of the two IDA members whose pioneering efforts led to the

"As we progress through the new knowledge base in restorative dentistry, we can take the IDA members with us."

creation of the Pursuit of Excellence, former IDA President Lloyd J. Phillips (DDS'54), Indianapolis, spoke with pride on behalf of the Indiana Dental Association. (Former IDA President W. Kelley Carr [DDS'55, MSD'61], West Lafayette, was the fund's co-developer.)

"We're the second state dental association in the country to establish a dental school chair," said Dr. Phillips. He credited this

achievement to the enduring "love affair" that exists between the IDA and IUSD and referred to the chair as an opportunity for the IDA to recognize leadership at IU. The chair, he said, provides the IDA and the school with a means of exchanging ideas to enhance teaching.

The IDA reached the million-dollar mark for this project in 1996, enabling the search for the chair to commence.

Endowing a chair through the IU Foundation is one of the highest philanthropic honors that can be awarded at the university. In the case of the IDA Endowed Chair in Restorative Dentistry, the search committee wanted someone who would bring to the position a distinguished record of service in both teaching and research.

Dr. Steven Duke clearly has done that. He also is a man who comes to us already well-acquainted with Indiana University. As a former student in IU's master's degree program, he has developed not only strong ties to Indiana University but also a deep respect for its history.

"We are extremely pleased that Dr. Duke has returned to the IU School of Dentistry," said Dean Goldblatt. "Steve has compiled a truly remarkable record of scholarship, funded research, teaching, professional service, and administration."

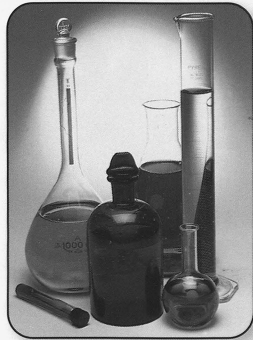
After graduating from dental school at Loyola University of Chicago in 1975, Dr. Duke served as chief of restorative dentistry in the United States Air Force Hospital at Edwards Air Force Base in California. He was accepted into IU's graduate program in operative dentistry in 1979, but went on to acquire a double major that included dental materials as well. From here he was transferred in 1982

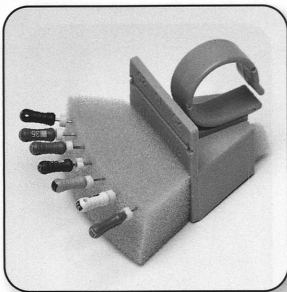
to Lackland Air Force Base in Texas, where he headed the medical center's dental materials and dental research programs. Today he remains in the USAF Reserves as a colonel.

The bulk of his career has been spent on the faculty of the University of Texas Health Science Center at San Antonio Dental School. He was appointed director of clinical investigations at the school in 1986, after teaching at the center's Graduate School of Biomedical Sciences; prior to his arrival at IU he was serving as a professor in the general dentistry department and as the dental school's director of research.

At Texas he balanced his administrative duties with teaching and research commitments. He directed a number of graduate courses and laboratories, including advanced electron microscopy and applied restorative materials, and lectured to both graduate and dental students on a wide range of topics including advances in restorative materials and techniques.

Dr. Duke's students haven't been limited to those in the classrooms at San Antonio—he's given more than 150 invited lectures to dental groups in 22 countries on five continents. "Steve is a widely sought speaker because of his detailed and extensive knowledge of restorative dentistry and materials science," said Dean Goldblatt. "He has a remarkable breadth and depth of experience and interests. His administrative experience, coupled with his intense interest in using modern information technology to facilitate learning and teaching, places him at the front edge of educational reform. Moreover,





his dedication to evidence-based dentistry and his understanding and promotion of small-group, problem-based learning are completely in line with the directions IU is

moving with its dental curriculum. He is perfectly positioned to help us move to the next level of excellence in this critically important arena."

Dr. Duke's research efforts have been supported over the years with more than \$5 million in both industrial and government funds. Areas of special interest to him include clinical trials of restorative materials and such topics as the relationship between restorative dentistry and aging, and medically compromised dental health. In March of this year he completed a six-year study on oral health and aging, serving as core director and a co-investigator for this \$2.7 million project funded by the National Institutes of Health/National Institute of Dental and Craniofacial Research. He will continue to serve for two more years as a co-investigator for another NIH study at the University of Texas related to saliva and anti-candidal mechanisms in HIV/AIDS.

Dr. Duke has written or co-written about 100 articles and abstracts for refereed journals. He writes a column for the *Compendium of Continuing Education in Dentistry* and serves on the editorial review boards of such publications as the *Journal of Dental Research*, *Dental Materials*, *American Journal of Dentistry*, and *Journal of Esthetic Dentistry*.

By assuming the mantle of both the IDA's endowed chair and the chairmanship of the dental school's largest department, Dr. Duke has taken on an astonish-

ing amount of work. But he expects the roles to be as complementary as the organizations themselves. He's excited about the opportunities unfolding for him at Indiana in both positions.

"I view the IDA chair as a challenge more than a reward or an honor," he says in the same soft-spoken, serious voice that we recall from his grad student days nearly two decades ago. "The IDA chair brings with it the responsibility of being an educational resource as well as of establishing new avenues for future educational programs."

When he spoke to him a couple of weeks after he arrived, Dr. Duke was sitting in the midst of a bleak, as yet unpainted and unadorned office more closely resembling a warehouse than the quarters of a key IUSD administrator. The room was beautifully refurbished a few weeks later, but on that day it gave the impression—a highly deceptive one—that Dr. Duke was a man still waiting to unpack.

From an office adjoining his, a computer was already giving off a productive hum. Dr. Duke had spent the morning hooking up a new server that will become the IDA's exclusive link to IUSD's Department of Restorative Dentistry. The adjoining office will be devoted to work associated with the IDA chair.

"My goal is to have a site within the next six months that IDA members can access through the Internet, 24 hours a day, from their homes and offices or anywhere else," says Dr. Duke.

"Using passwords given to IDA members only, they'll be able to download a collection of updates on restorative dentistry through a virtual newsletter from us. We'll also be able to provide feedback

to their questions, and eventually show them new procedures by the use of video clips."

Multimedia platforms afford unique methods of delivering new knowledge, Dr. Duke says. "It's the wave of the future, and people around the world are trying to develop it. We now have the talent, the expertise, and the hardware to launch it at IU."

Dr. Duke sees the link as a meaningful way to pay back IDA dentists for their significant investment in the school. And as a person well-versed in multimedia teaching, he also realizes that computers are the most efficient means of sharing knowledge on a mass scale.

"My goal is to have a site within the next six months that IDA members can access through the Internet, 24 hours a day, from their homes and offices or anywhere else."

"The IDA has invested in a resource more so than a person," says Dr. Duke. "I've been involved with a lot of professional lectures, which has given me a sense of the inability of the profession to grasp all this new knowledge. We can reach only so many people with lectures. So we keep asking, How do we deal with it? It can't be done with one-on-one platforms, and that's basically what we've been trying to do. There's not enough continuing education available to deal with all the innovations in technology. We have failed in our education systems to develop clinicians with the ability to critically evaluate new technology, so they are getting confused and therefore becoming victimized by the marketing thrusts of industry."

The solution, Dr. Duke believes, lies in educators' serving as facilitators of information instead of solely as individual sources of it. By electronically pooling the resources of IU's restorative faculty and providing links to other scholarly information from around the globe, Dr. Duke plans to use computer technology to become the IDA's conduit to a vast database of knowledge.

"Here at the university we are in the business of continually reviewing and writing articles for journals and other publications—we are in the mainstream of what's going on," he says. "As we progress through the new knowledge base in restorative dentistry, we can take the IDA members with us."

Dr. Duke chose to come to Indiana University after being recruited by five other dental schools. "IU provided some unique resources," he says. "It has a very balanced administration that values education as well as research. It has a firm commitment to the profession, specifically to the IDA. When I talk to Indiana dentists, I find they are very supportive of this institution. They are concerned

dentistry and materials selection, and help them better understand patient factors that contribute to risk assessment."

One of his first missions in regard to the departmental chairmanship is to appoint official division heads to administer IU's four components of Restorative Dentistry: dental materials, endodontics, operative dentistry, and prosthodontics. Each of these areas was a department of its own until 1993, when the school's 13 departments were reconfigured into six groups and eventually into the current five.

"Restorative Dentistry is a large department with a lot of diversification," says Dr. Duke. "I want to encourage diversity, but, at the same time, all of the pieces must ultimately be integrated into the professional practice of dentistry for our graduates. Division heads will help reestablish these groups' individual identities while also restoring their responsibility and accountability to restorative dentistry as an integrated whole. Each division will be part of the departmental scaffold."

While at the University of Texas, Dr. Duke supervised one of the strongest predoctoral research programs in the country. He hopes to generate a much greater interest in dental student-level research here. "In Texas, we sent 30 to 40 federally funded dental students to the International Association for Dental Research

meeting each year—probably four times as many as the next school," he says. "That didn't happen by chance. It was faculty initiative. We had a young group of faculty with a lot of energy who saw students as resources. We knew that research and even outreach

programs could take students a bit further than their dental education. We really pushed the public health summer programs, for example, because they take students into a different realm. When students return from

Restorative Dentistry

The Department of Restorative Dentistry is one of five academic departments in the dental school (the others being the Departments of Oral Biology; Oral Surgery, Medicine, and Pathology; Oral Facial Development; and Periodontics and Allied Dental Programs). Serving as Restorative Dentistry's acting chair during the search and screen process was Dr. David T. Brown, associate professor of prosthodontics and director of undergraduate restorative dentistry. As the school's largest department, Restorative Dentistry has four divisions: dental materials, endodontics, operative dentistry, and prosthodontics.

experiences with migrant farm workers, we can see that what comes back is a much more mature individual. A student who spends time treating patients in a Guatemalan village lacking dental care is a much different student from the one that learns only by sitting in the very closed environment of the classroom. I like working with students because they blossom if given the opportunity. But the faculty has to first plant the seeds."

Despite tremendous strides in preventive dentistry, the changing demographics of America and the country's growing population of senior citizens will continue to challenge dentists in the restorative field, says Dr. Duke.

"If anything, restorative dentistry is going to become even more difficult for today's new graduates," he emphasizes. "We aren't treating just 25-year-olds anymore. The 65-year-old

Dr. Duke chose to come to Indiana University after being recruited by five other dental schools. "IU provided some unique resources," he says. "It has a very balanced administration that values education as well as research."

about its future and its direction, and they take an active rather than passive role. IU seemed like a logical place to accomplish some of my goals. I want to enhance the ability of professionals to become more critical in their thoughts about restorative

patient has a different set of complex needs. Dental implants will become standard in general dentistry practices. Worn dentitions will challenge us to restore totally lost enamel surfaces. We must develop a curriculum to facilitate the sharing of this new knowledge, and the faculty must be receptive to it. All we can do is provide students with a basic foundation in dental school. We must instill in them the desire to be students for life. When our students walk out of here, we want them to be hungry for more knowledge instead of thinking they know everything."

Dr. Duke fondly remembers his own student years at IU. "In those days IU was a center of activity, of unbelievable energy. There was expertise of all kinds at international levels. Part of the

"In Dr. Phillips' labs I found innovations; in Dr. Lund's clinic, tradition. Both had an impact."

reason I wanted to come back to Indiana was because I received my foundation here. I was a young captain in the Air Force, just three years out of dental school, when I entered the IU graduate program. I wasn't yet well-focused. IU instilled in me that focus, primarily by way of two mentorships."

The two mentors who most influenced Dr. Duke were Dr. Melvin Lund, then chair of the Department of Operative Dentistry, and Dr. Ralph Phillips, then chair of the Department of Dental Materials.

"They showed me two very different sides of dentistry—one was very much a clinician and the other very much a basic scientist," he says. "In Dr. Phillips' labs I found innovations; in Dr. Lund's clinic, tradition. Both had an impact."

Dr. Duke credits Dr. Lund with helping him build his self-esteem as a professional. "Somehow, without forcing people, he has a tendency to bring a lot out of them. We'd wind up working 14 hours to meet expectations that he never really imposed on us. He was never over-complimentary to a point that allowed you to become misdirected, or to feel that you'd accomplished a lot. Working with him was a unique experience. I left here feeling I had a long way to go, but had some good tools to take with me.

"Dr. Phillips gave me an entirely different experience," Dr. Duke continues. "He allowed me to see things that were hypothesis-driven, which opened a whole new course of activity for me. I felt as if I'd been placed in a candy store when I was in his labs. Dental Materials was a playground where I could find answers to questions. I thrived on problem-solving—it was fuel for me.

"Dr. Phillips and Dr. Lund weren't easy to work for. But once you demonstrated your sincerity, energy, and accomplishments, they were friends for life."

Dr. Phillips died in 1991. Dr. Lund, who officially retired in 1988, has continued since then to serve IU faithfully as a volunteer teacher in what is now his former graduate student's department.

As Dr. Duke talks about these two teachers with veneration, a bit of the "boy" from 20 years ago can't help but shine through his words.

"Even now that I'm chairman, I still can't call Dr. Lund anything but 'Dr. Lund' to his face," Dr. Duke confides with an embarrassed laugh. "Anything less than that is almost demeaning to a person of his caliber."

He wasn't any more comfortable in calling Dr. Phillips "Ralph," either, even though the two men stayed close in their careers.



All these years later, Dr. Duke's awe is still there: "Last night, I was looking at the 8th edition of Dr. Phillips' text, *The Science of Dental Materials*, which he gave to me upon my graduation from IU. The book had just come out. Inside was a letter saying, 'I hope this edition meets with your approval.'"

Dr. Duke shakes his head at the thought of critiquing the work of one of the greatest men in the history of dental science. "A humble remark from such a man," he says softly. "It showed his character."

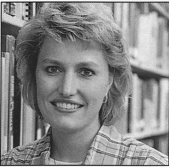
Perhaps what Drs. Lund and Phillips did best for Dr. Duke was the same thing they did for so many others who passed through the operative dentistry and dental materials programs: provide an extraordinary educational foundation for a bright young person who would one day be ready to handle a job like theirs.

To plan for his department's future, Dr. Duke will draw on his knowledge of IU's past as well as the wealth of experiences he has acquired throughout his career. The need for steady progress in his professional growth was ingrained in him early on, and we come away from his office with the notion that Dr. Duke is carving out the same goal for IU's Department of Restorative Dentistry.

"The military's philosophy," he says with a determined smile, "is that you always advance."

Grad Student Profiles

Photos by Susan Crum, Tom Meador, and Mike Halloran



Dr. Adelasperger

M. JAYME ADELSPERGER

Hometown: Bremen, Ind. **Dental education:** DDS, Indiana University, 1996. **IU graduate program:** orthodontics (major), life sciences (minor). **Thesis:** *Comparison of the incidence of Bolton tooth mass discrepancy in African-American and Caucasian populations.* **Degree:** MSD, December 1998. **Plans:** To pursue an orthodontic private practice in Brownsburg, and to teach part time in IU's undergraduate orthodontic clinic.

A. DENIS BRITTO

Hometown: Bangalore, India. **Dental education:** DDS, Medical College of Virginia, Richmond, 1996. **IU graduate program:** orthodontics (major), life sciences (minor). **Thesis:** *Variable expressivity with apparent reduced/non-penetrance in Crouzon Syndrome.* **Degree:** MSD, August 1998. **Plans:** To join the full-time faculty in the Department of Orthodontics at the Medical College of Virginia, and to participate in the college's faculty practice program.



Dr. Britto



Dr. Collins

JULIE M. COLLINS

Hometown: Chicago, Ill. **Dental education:** DDS, University of Illinois at Chicago, 1988. **IU graduate program:** pediatric dentistry (major), oral pathology (minor). **Thesis:** *Effects of kinetic cavity preparation vs. conventional handpiece preparation on the human dental pulp.* **Degree:** MSD, December 1998. **Plans:** To continue as a major in the U.S. Air Force; stationed for the next two years at Aviano Air Base, Italy.

PHILIP DUKE

Hometown: Bogotá, Colombia. **Dental education:** DDS, Javeriana University, Bogotá, 1983, and Indiana University, 1996. **IU graduate program:** prosthodontics (major), dental materials (minor). **Thesis:** *Study of the physical properties of gypsum, resin-containing and epoxy die materials.* **Degree:** MSD, February 1999. **Plans:** To continue to contribute to the IU School of Dentistry mission as a full-time assistant professor of prosthodontics.



Dr. Duke



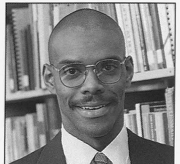
Dr. Fernández

AURORA FERNÁNDEZ

Hometown: Caracas, Venezuela. **Dental education:** DDS, Universidad Central de Venezuela, 1993. **IU graduate program:** orthodontics (major), life sciences (minor). **Thesis:** *Effect of aging on bone remodeling in canine mandibular condyle.* **Degree:** MSD, November 1998. **Plans:** To teach part time in IU's orthodontic clinic until my husband, Dr. Aldo Sordelli, finishes IU's graduate program in periodontics. We will then return to Caracas to start our practices.

OLIVER HARPER

Hometown: Port-of-Spain, Trinidad, West Indies. **Dental education:** BDS, Glasgow University, Scotland, 1996. **IU graduate program:** orthodontics (major), life sciences (minor). **Thesis:** *Relative orthodontic bracket bond strength measured in three testing modalities.* **Degree:** MSD, August 1998. **Plans:** To return to Port-of-Spain to practice.



Dr. Harper

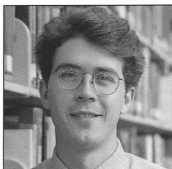


Dr. Papakosta

EVRIDIKI PAPAPOSTA

Hometown: Karditsa, Greece. **Dental education:** DDS, Dental School of Athens, Greece, 1995. **IU graduate program:** operative dentistry (major), dental materials (minor). **Thesis:** *Quantitative evaluation of the color of extracted human teeth and three shade guides with the use of a non-contacting technique.* **Degree:** MSD, September 1998. **Plans:** To open a private practice in Athens.

Profiles continued next page



Dr. Pedlar

MICHAEL PATRICK PEDLAR

Hometown: Burlington, Ontario, Canada. **Dental education:** DDS, University of Detroit Mercy, 1995. **IU graduate program:** prosthodontics (major), dental materials (minor). **Thesis:** *Evaluation of two single tooth implant/abutment interfaces and two different abutment screws tested in dynamic and static loading conditions.* **Degree:** MSD, December 1998. **Plans:** To return to the Great White North, spending time with my new wife, Cindy, and family and friends. At the top of the endless list is renewing some favorite pastimes (snow skiing, water sports, and Canadian beer—not necessarily in that order).

MILAGROS J. TORO

Hometown: Caracas, Venezuela. **Dental education:** DDS, Universidad Central de Venezuela, 1979. **IU graduate program:** dental diagnostic sciences (major), oral pathology (minor). **Thesis:** *Effects of exogenous epidermal growth factor on oral mucosa wound healing.* **Degree:** MSD, July 1998. **Plans:** To continue studies at the IU dental school as a PhD degree candidate.



Dr. Toro



Dr. Wattanapayungkul

PRANEE (LEANN) WATTANAPAYUNGKUL

Hometown: Songkla, Thailand. **Dental education:** DDS, Prince of Songkla University, 1994. **IU graduate program:** operative dentistry (major), dental materials (minor). **Thesis:** *A clinical study of the degradation of 10-percent carbamide peroxide within the first hour with and without pellicle.* **Degree:** MSD, October 1998. **Plans:** To sit for the American Board of Operative Dentistry examination before returning to Songkla, where I would eventually like to teach.

Northern Exposure

(News from the Fort Wayne, Northwest, and South Bend campuses)

IU South Bend Names Prof. Genich Yokom to Top Administrative Post

Nanci Genich Yokom, Indiana University South Bend's longtime director of dental hygiene, has accepted the campus's directorship of Dental Education.

She replaces Dr. Shant Markarian, who retired in June 1998. Prof. Genich Yokom, an associate professor of dental hygiene, oversees both the dental hygiene and dental assisting programs in her new administrative role.

Prof. Genich Yokom joined the South Bend faculty in 1978 and was promoted to director of

dental hygiene just two years later. She previously had been a dental hygiene instructor at Ferris State College, Big Rapids, Mich., and a dental hygiene private practitioner for eight years.

Prof. Genich Yokom received her dental hygiene education at Marquette University. She holds two IU degrees: a BS in Health Occupations Education (1976) and an MBA (1989).

She was president of the Indiana Dental Hygienists' Association in 1988-89, and has been highly involved in public service and community activities for a number of years. She has long supported the United Way with communications and special events, serving most of the last two decades as a United Way division solicitor. She has served as a co-developer of a number of grants used to aid patients in the community and students at IU.

From 1994 to 1996, Prof. Genich Yokom coordinated the adult dental clinic of the Chapin

Street Clinic, which recently entered into an important partnership with South Bend's dental hygiene program. (See page 11.)

Prof. Genich Yokom brings to her administrative position a wide range of experiences with university service and governance. She co-chaired the Search Committee for chancellor of IUSB in 1996-97 and was an IUSB representative to the IU Faculty Council for five years. In 1996, she co-presented a paper titled "Internal Conflict in the American Dental Industry: An Institutional Analysis," at an American Social Scientist meeting in San Francisco, Calif. Her work in this field has also been published.

Prof. Genich Yokom was named Marquette University's Outstanding Dental Hygiene Alumna in 1996. In 1989 she received Indiana University's prestigious W. George Pinnell Award for Outstanding Service.



Prof. Genich Yokom

Prof. Myers Kracher New IPFW Chair of Dental Assisting

Connie Myers Kracher, assistant professor of dental education at Indiana University-Purdue University Fort Wayne, has been appointed chair of dental assisting on that campus.

Prof. Myers Kracher was appointed to the IPFW faculty in 1994. She assumed the chair in 1998.

She earned an IU bachelor's degree in dental education from the Indiana University-Purdue University Indianapolis campus in 1993.

Prof. Myers Kracher currently is enrolled in the IU School of Dentistry's Master of Science in Dentistry degree program, majoring in preventive dentistry and minoring in diagnostic sciences. Her thesis is titled "A Pilot Study to Determine If Seasonal Variations Affect Naturally Occurring Fluoride Content in Indiana Ground Water Wells." She expects to complete the degree in 1999.

IU South Bend Expands Project in Community

Indiana University South Bend's dental hygiene program recently received a two-year grant to fund expansion of its partnership with the Chapin Street Clinic. The \$46,000 grant, provided by St. Joseph's Care Foundation, will cover costs for dental equipment, supplies, an emergency fund, and a part-time program coordinator. The coordinator also will serve as a liaison with the Chapin Street Clinic staff and perform dental assistant duties.

"This program is a wonderful way for IUSB to make partnerships with the community," said Nanci Genich Yokom, associate professor and director of Dental Education at IUSB. "We're using our physical resources, partnering with local dentists, and treating under-served patients who otherwise couldn't have access to dental care."

St. Joseph's Regional Medical Center operates the Chapin Street Clinic, which provides healthcare to low-income residents of Michiana. Some 150 of the clinic's patients have been treated at

IUSB since the partnership's inception in 1995. The dental partnership offers affordable dental care (\$10 per visit).

Patients visit IUSB's dental hygiene facilities for preventive maintenance and minor dental work provided by IUSB's dental hygiene students

and local dentists volunteering their time. Prof. Genich Yokom credits area dentists John Stenger (DDS'45) and Father Tom Shoemaker (DDS'83) for helping the program in its first two years. Dentists David "Woody" Douglas (DDS'80), Michael Gasko (DDS'75), and William Gitlin (DDS'78) also have been integral volunteers to the program, she said.

"This program is a needed service in our community," she added. "Having the support of people like Drs. Douglas, Gasko, and Gitlin, and the rest of the dental community is helpful."

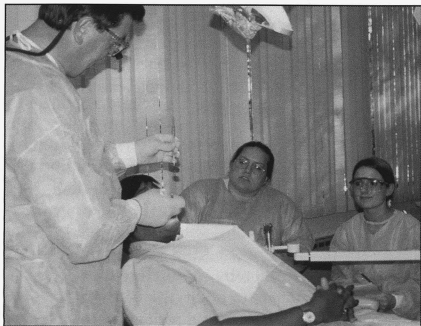
Prof. Genich Yokom hopes the program will serve in a preventive capacity in the future, but estimates emergency care is the immediate need because many patients have never been to a dentist. She also hopes to steer patients into a pattern of frequent dental visits. Additional methods of preventive care include creating bilingual brochures that outline proper dental hygiene.

"Sometimes the pain is so bad that they have to go to the emergency room," said Prof. Genich Yokom. "What could have been easily taken care of—such as a small cavity—is ignored, gets worse, and eventually becomes abscessed."

IUSB dental clinic records show that the program is gaining patients. It added 69 clients between September 1997 and February 1998. Of the 550 patients seen at the Chapin Street Clinic in 1997, 50 percent were estimated to need serious dental treatment and all were in need of basic dental maintenance and preventive care.

"If we can get half of the clinic patients into the program, we can help them get their mouths healthy and teach them how to take care of their teeth at home," Prof. Genich Yokom said.

by Kevin MacDonald
IUSB Public Communications



Dr. Mike Gasko examines a Chapin Street Clinic patient at IUSB as students Kelli Gumm (left) and Kellie Duracz observe.

It seems as if most conversations at the IU School of Dentistry sooner or later get around to including those words. A once-sprawling facility composed of an original building and two ample additions, the IU School of

hospital's mission to provide healthcare and medical education for indigent patients."

With the Executive Committee's recommendations, Dean Goldblatt pushed forward with a proposal

walls were torn out so that work-space could be custom-designed for the group. The spacious area was divided into offices for the chairman, eight faculty, and the administrative assistant. In addition, there are a well-appointed

Relocating to Regenstrief

Dentistry has been challenged for several years by diminishing amounts of available space.

If there is such a thing as a "downside" to being a highly successful educational institution like IUSD, it is that almost every advancement, innovation, and progressive idea seems inevitably to require just a bit more room to be fully realized. With the creation of new research divisions in recent years, the appointment of extra faculty, and the recent launching of a dental curriculum that requires 16 additional seminar-sized rooms, the cry for more square footage has only gotten louder.

When Dr. Lawrence Goldblatt became dean of dentistry in 1997, he asked the school's Executive Committee for ideas on how to alleviate the space problem.

Committee member Dr. Mark Wohlford, acting chair of the Department of Oral Surgery, Medicine, and Pathology, offered one.

"I knew that space was available at the Regenstrief Health Center," says Dr. Wohlford. Regenstrief is one component of Wishard Memorial Hospital, and is located on the north side of IU's new Cancer Center. "Wishard was building a new Primary Care Center, which was going to empty about a third of the space at Regenstrief. Wishard planned to rent the newly available space to other IU divisions that share the

Oral Surgery, Medicine, and Pathology moves portion of the department to the Regenstrief Health Center.

to relocate a large portion of Dr. Wohlford's department to Regenstrief. The department had already been contributing for many years to the managing and staffing of the Dental Care clinic on Regenstrief's third floor, where oral healthcare services are provided to indigent persons. The dental school signed a 10-year, renewable lease with Wishard for the new quarters. They are in addition to the third-floor clinic, and are located on the fourth floor. The department shares the fourth floor with Indiana University's newly established School of Public Health.

Dr. Wohlford's group, which moved during the 1998 holiday break, includes the full-time oral and maxillofacial surgeons, the oral pathologists, one radiologist, and staff associated with the surgery and pathology faculty. In addition, Dr. Mark Saxen, assistant professor of pharmacology (School of Dentistry) and anesthesia (School of Medicine), moved from the dental school into an office near the Dental Care clinic.

The fourth-floor space was completely renovated; even the



Photos by Tom Meador



Boxing Up and Moving Out. Administrative Assistant Susan Shafer looked sad to be leaving the school last December, but when the photographer paid a visit to Regenstrief in January Susan seemed to be right at home in her beautiful new office. (That's faculty member Dr. Steve Schimmele helping Susan box up the IUSD surgery offices.)

library and state-of-the-art conference room, secretarial/reception area, photocopying/computer room, a break room, and a restroom. (Patients are treated in the third-floor clinic, which is equipped with 17 dental operatories.)

"I'm most proud of the conference room," says Dr. Wohlford. "We've incorporated a lot of new technology into it. We can project lectures onto the overhead screen directly from our computers, thereby eliminating the need to create slides. We also have a view box that connects to the data projector, so we can show radiographs to a full room of residents, zooming in on specific details. And students can hook

into the computer network by plugging their laptops into outlets in the floor."

The room holds about 40 people and can be divided into two seminar rooms with an electronically activated divider wall. The large conference table can be divided into six individual desks. The school also moved into the room its recently purchased multi-headed microscope that permits up to 10 persons to access pathologic images simultaneously.

The conference room is getting quite a workout and already is in use about 80 percent of the time. "We have a lot of conferences with the GPR and surgery residents," says Dr. Wohlford. "We also use it for dental student rotations through this department and for problem-based learning seminars for dental students enrolled in the new curriculum."

Dr. Wohlford was especially pleased to find a unique way to bring part of the department's history to the new facility. Two large portraits from the dental school—one of Dr. William Shafer, distinguished professor emeritus and former chair of oral pathology, and the other of Dr. S. Miles Standish, professor emeritus of oral pathology and dental diagnostic sciences and former chair of oral diagnosis/oral medicine—are now hanging in the conference room as reminders of the extraordinary foundation on which this department was built.

"I like to count them among the faculty we 'moved' to the new place," Dr. Wohlford says with a smile.

"We inadvertently hung Dr. Shafer's portrait so he has a direct view of the administrative assistant's desk," adds Dr. Wohlford as his smile widens. The administrative assistant happens to be Susan Shafer, Dr. Shafer's daughter.

The decorating was directed by Susan, who chose to complement plum with seafoam green in the fabrics and carpet. The rooms are handsome, and welcoming.

Susan is happy with the move, calling the new environment "peaceful. The walls of this building are very well-insulated."

The move was particularly welcome by some of the employees in oral pathology, who have struggled for years with a critical shortage of office space at the school. "The oral pathologists have also gained the benefit of being able to work closer with the hospital's pathologists," says Dr. Wohlford.

In his view, the biggest benefit of the move for the oral surgeons is that "we are now all stationed within 15-20 feet of each other for the first time. And we have gained the ability to work more closely with the pathologists. In this facility, we are likely to do more together—to walk down the hall and show them a radiograph. Communication is much better."

Altogether, about 90 faculty and staff are in paid positions in the Department of Oral Surgery, Medicine, and Pathology, including eight surgery and six GPR residents. The group is spread out over the two Regenstrief floors and four other sites: the dental school, which houses the diagnostic and research faculty and continues to run the radiology and undergraduate oral surgery clinics; the oral and maxillofacial surgery clinic at University Hospital, where the surgery residents are based; and two dental clinics in the community. The community clinics are housed in two of Wishard's community health centers—Grassy Creek, at 38th and Post Road; and Cottage Corner, at 1434 Shelby Street in Fountain Square.

Full-time Faculty: Who's Where

Below is a list of the department's full-time faculty members and former full-timers Drs. Kevin Stockton and Mark Saxen, who recently switched to part-time appointments.

REGENSTRIEF HEALTH CENTER—3RD FLOOR

General Practice Residency
Heidi Crow
Oral Medicine
Henry Lancaster
Pharmacology/Anesthesia
Mark Saxen*
Implantology
Eugene Margiotti

REGENSTRIEF HEALTH CENTER—4TH FLOOR

Dental Diagnostic Sciences
Edwin Parks
Oral and Maxillofacial Surgery
Mark Anderson
John Campbell
Steven Schimmele
Kevin Stockton
Mark Wohlford
Oral Pathology
Don-John Summerlin
Charles Tomich
Susan Zunt

SCHOOL OF DENTISTRY

Dental Diagnostic Sciences
Mostafa Analoui
Dale Miles
Jack Schaff
Gail Williamson
Endodontics/Microbiology and Immunology
Meg Vickerman*

UNIVERSITY HOSPITAL

Oral and Maxillofacial Surgery
Darlene West
Oral Medicine/Dermatology
Ginat Mirowski*

COTTAGE CORNER

Hospital Dentistry
Francisco Velez

GRASSY CREEK

Hospital Dentistry
William Hine Jr.

*Jointly appointed at the School of Medicine

IUSD Annual Fund: Something for Everyone

Within the last few years, the national media have drawn our attention to a few enormous individual gifts given to not-for-profit organizations by such luminaries as Bill Gates, founder of Microsoft, and Ted Turner, founder of the Cable News Network. We are treated to a media blitz whenever celebrities gather to a cause, with the donor rosters in these cases often reading more like the A list to a Hollywood cocktail party.

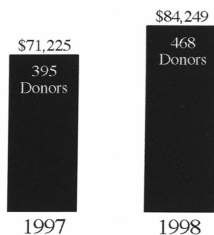
Overlooked in the maze of celebrated names and mega-gifts is the important, albeit untrumpeted assistance that people like us routinely provide to worthy organizations throughout the country. Our support is not measured by the millions or billions, but many smaller gifts can have a dramatic impact upon an institution. Indiana University School of Dentistry is a case in point.

The 1998 calendar year reflected record contributions to the IU dental school. Although IUSD was fortunate to receive a few large gifts, the main reason total giving rose last year was the vast number of gifts arriving from new donors. In this column I'd like to speak of the many smaller gifts that—in the absence of the limelight—are quietly making a huge difference in IUSD's educational opportunities for students.

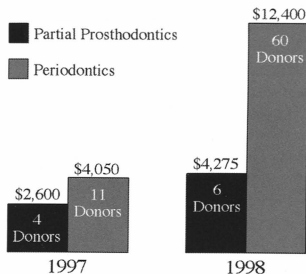
Annual gifts are becoming increasingly important to all colleges and universities. In fact, annual gifts are the lifeblood of many organizations because they help to cover the operating funds that "keep the lights on." They provide departmental assistance to purchase much-needed equipment or to employ students part time. Annual funds can make possible for students everything from financial assistance to the acquisition of resource materials.

It is no different at IUSD. These same services benefit from our Annual Fund effort. As the graphs indicate, many small donations have been important to IUSD. In calendar year 1998, giving to the School of Dentistry's funds outstripped inflation and rose by 11 percent over the previous year's totals. Even more impressive was the number of new contributors: more than 400 brought our

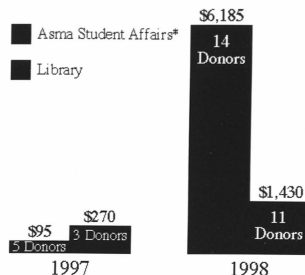
Dental School Priorities Fund



Departmental Funds



Student Services Funds



*Named for the mother of Dr. Hala Henderson, IU Professor Emerita of Pediatric Dentistry

donor base to more than 1,300 persons and organizations, producing a 44 percent increase in participation.

One of the reasons for the strong surge in giving and the tremendous increase in the number of contributors was the variety of funds available to donors. The diversity of IUSD's funds offers something for everybody. Some of our donors wish to provide financial aid for our students, while others prefer to assist the departments they graduated from. Since IUSD's faculty is world-renowned, faculty development is also heavily supported.

In 1998, the Dental School Priority Fund was used in part to support faculty and staff development and to introduce the Hine Legacy Society. (See page 23 for a report on the new Hine society—eds.) Also this

past year, we were delighted to be able to award the first Garner Minority Student Scholarship to third-year dental student Samantha Jones. The Asma Student Affairs fund helped to offset expenses related to the interviewing of candidates for the 1999-2000 first-year dental class, and with the Library fund we purchased dental education videos and hardware for some of the school's computers. And it was a great pleasure to see two very worthy faculty members—Drs. Jonathan Gray and Carl Andres—recognized for their dedication to the goals of this institution through the reestablishment of an awards program sponsored by the Indiana Dental Association/IUSD Pursuit of Excellence. (These awards are detailed on page 21—eds.)

The graphs show just a few examples of the many funds that

grew both in dollars and donors from 1997 to 1998.

It's true that sky-high donations by the nation's glitterati will always capture attention. But at IUSD we are well-aware of the empowerment that many modest gifts can bring to an institution. These gifts are what makes our Annual Fund a success, which in turn is what helps make our school a success. We are deeply grateful for each one.

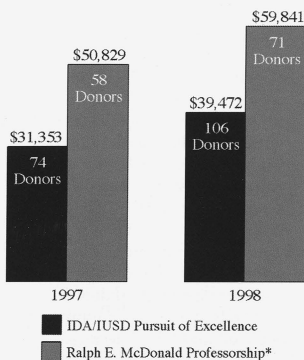
If you have not yet been part of IUSD's development program, please join the rest of us now. You undoubtedly will find that something special at IUSD is waiting for your support. As always, I welcome your calls and comments.

Paul St. Angelo
Director

TO CONTACT THE DEVELOPMENT OFFICE:

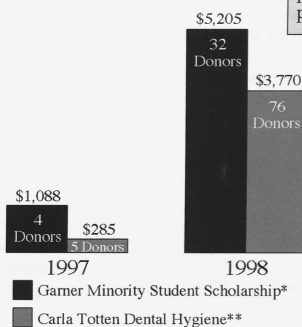
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plovejoy@iUSD.iupui.edu

Faculty Development Funds



*IU Dean Emeritus and Professor Emeritus of Pediatric Dentistry

Scholarship Funds



* Established by Dr. LaForrest and Alfreida Garner. Dr. Garner is IU Professor Emeritus of Orthodontics and former Associate Dean for Minority Student Services

** IU Assistant Professor Emerita of Dental Hygiene

Survey of Personal Protective Equipment Usage Among Indiana University Dental Students

Dil Harrar,¹ James C. Setcos,² F.J. Trevor Burke,³ Margie A. Beiswanger,⁴ and Charles John Palenik⁴

About the Author

Primary author, Dil Harrar, is a former participant of the student exchange program that is part of the longtime Agreement of Friendship and Cooperation between IUUSD and Turner Dental School of the University of Manchester in the United Kingdom.

She and fellow classmates Anisha Amin and Chung Ming Tan studied at IU for the first four months of 1995, a period that immediately preceded their graduation from dental school in the U.K. During that time Ms. Harrar conducted the survey she writes about here. Her work at IU was supervised by Charles Palenik, assistant director of Infection Control Research & Services.

Today Dil Harrar is in dental practice in London with her husband.

The routine use of personal protective barriers, such as gloves, masks, gowns, and eyewear during treatment of dental patients is required by federal regulations and highly recommended by a variety of governmental agencies and professional associations. It would be valuable to gain information concerning use of such barriers among students in training. There is the potential that compliance problem areas could be identified as well as the rates and causes of adverse reactions to the wearing of some barriers.

Historical Perspective

Since the mid-1980s, interest in infection control in dentistry has steadily increased. For many years, the major occupationally related infection of concern in dentistry was

hepatitis B (HB). However, after June 1981, attention shifted to HIV/AIDS. The resulting concern generated numerous federal and state regulations and sets of recommendations from various agencies and professional associations concerning infection control.¹⁻⁴ However, in spite of applicable federal laws, procedures for (and levels of) compliance still vary among states. Some of this is because federal rules do not cover all situations or because tenets are described in a general manner, which can be applied to all health-care situations. Three examples include diverse requirements concerning biological monitoring of sterilizer effectiveness; the handling, storage, and disposal of dental waste; and required training of office/clinic personnel concerning infection control and/or HIV/AIDS. Only 11 states currently require spore testing on a routine basis. In some states, dental offices/clinics can neutralize their regulated medical waste in-house. The Occupational Safety and Health Administration (OSHA) requires annual training in infection control; however, some states require additional continuing education in order to obtain or retain dental licensure.

In 1970, Congress passed the Occupational Safety and Health Act (OSH Act). Its mission was "...to assure so far as possible every working man and woman in the Nation safe and healthful working conditions and to preserve our

human resources." Under the Act, OSHA was created within the Department of Labor.

Federal OSHA authority extends to all private sector employers with one or more employees, as well as federal civilian employers. States administering their own occupational safety and health programs through plans approved under the OSH Act must adopt standards and enforcement requirements that are at least as effective as federal ones. Of the 25 current state plans (including Indiana's), 23 cover the private and public sectors and two cover the public sector only. Federal OSHA administers the various standards in states without plans.

The most significant OSHA regulation concerning infection control in dentistry is the Bloodborne Pathogens Standard (BPS, CFR 29 part 1910.1030).⁴ The BPS is unique in that it was the first OSHA standard primarily directed toward workplace safety of health-care workers. It is also the first OSHA standard that addresses workplace exposures to specific infectious agents (HIV, hepatitis viruses, and other bloodborne pathogenic microorganisms).

In 1983, OSHA issued a set of voluntary guidelines designed to reduce occupational exposure to hepatitis B virus (HBV). Employers received packets that described the virus and its transmission and included a list of recommended work practices and guidelines concerning the use of immune globulins and HBV vaccines.⁵

¹Private dental practitioner, London, U.K.

²Department of Biomaterials Science and Restorative Dentistry, University Dental Hospital of Manchester, Manchester, U.K.

³Dental Primary Care, University of Glasgow Dental School, Glasgow, U.K.

⁴Infection Control Research & Services, Indiana University School of Dentistry

On September 19, 1986, the American Federation of State, County and Municipal Employees petitioned OSHA to create an emergency temporary standard concerning bloodborne pathogens. It asked that employers provide the HB vaccine at no cost to at-risk employees and to follow the work practice recommendations made by the Centers for Disease Control and Prevention (CDC).⁵

On September 22, 1986, three unions representing healthcare worker groups petitioned OSHA to promulgate a standard to protect their members from occupational exposure to HBV. They asked that at a minimum the standard contain all the provisions made in the 1983 OSHA guidelines, with special emphasis on HB vaccination.⁶

OSHA initiated the BPS-making process on November 27, 1987, when it solicited comment on the numerous tenets proposed. A series of public hearings continued until March 1990. The conclusion was that risks concerning occupational exposure to bloodborne pathogens could be minimized or eliminated through a combination of engineering and work practice controls, personal protective equipment, training, medical follow-up after exposure incidents, vaccinations, and other processes.^{4,6}

The final standard was based on previously known data and information, the results of the hearings, written comments, and exhibits submitted. The final rule was published on December 6, 1991. Total implementation occurred on July 6, 1992.^{4,6}

One major tenet of the BPS is the concept of universal precautions, which can be defined as *the consideration of all patients as being infected with pathogens and therefore applying infection control procedures for the care of all patients.*^{1,4,6} Not all infectious patients can be detected by medical histories, physical examinations, or readily available laboratory tests. So, it is best to select materials and

procedures that minimize or prevent exposure to patient body fluids and to use these for all patients.

Personal protective equipment is an important component of universal precautions. In dentistry, PPE usually involves gloves, masks, gowns, and protective eyewear. If properly selected and used correctly, PPE can effectively prevent contact with patient body fluids and oral tissues. Gloves and masks are considered to be single use, disposable items. Gowns are usually changed once or twice a day, unless obviously soiled. Protective eyewear should be cleaned regularly and requires solid side shields. The use of such items in dentistry is almost universal. For example, one study showed that over 99% of practitioners wore gloves for all procedures.⁷ Masks, gowns, and eyewear are used less, because dentists evaluate the chances of exposure and make a decision concerning which types and forms of PPE should be used. However, students training at Indiana University School of Dentistry (IUSD) must wear gloves, masks, gowns, and protective eyewear whenever in the clinic.⁸ These requirements are very similar to those of OSHA, the Centers for Disease Control and Prevention, and the American Dental Association.^{1,4,8}

The increased use of PPE has not been without controversy. Initially, dentists were concerned about losing manual dexterity as well as increasing the chances of alarming their patients. Also, enhanced use of PPE and other infection control procedures increased operational costs and at times led to product shortages. More recently, an increasing number of reports have linked PPE use, especially the wearing of latex gloves and masks containing latex, to adverse skin reactions.^{7,9}

Reactions to gloves come in several forms. The most common is irritant contact dermatitis. The process is actually a non-allergic cutaneous response to prolonged latex exposure

combined with sweating and abrasion. Other forms of reaction include allergic contact dermatitis and local or systemic anaphylaxis. A dilemma, therefore, exists between the need for PPE to prevent occupational exposures and the chance of increasing adverse reactions due to the presence of certain materials.

The aim of this study was to survey Indiana University School of Dentistry dental students to determine their use of personal protective equipment.

Methods

A 35-question survey was developed for second-, third-, and fourth-year dental students concerning their use of PPE at Indiana University School of Dentistry. (First-year dental students were not included because of their extremely limited contact with clinical patients.) Validity and usability testing of the survey was then performed.¹⁰

Students completed the survey while in class. All participants were assured their individual responses would be kept confidential. Therefore, no attempt was made to apply the survey to students who missed the class.

Information obtained from survey responses was statistically compared using a χ^2 analysis. Initially, responses were divided into three groups, according to the students' year in school. Gender, age, race, and academic performance (and class rank) divided these groups further. Students were then grouped solely on the basis of gender, age, or race (e.g., females versus males).

Results

A total of 177 students completed usable surveys. This represents 89.4% of the potential student population targeted by the survey. There were no differences in the levels of participation among classes ($p>0.05$).

Fifty-six students (31.6%) reported having skin and/or mucous membrane irritations that they related to

glove use. Advanced students were more likely to make such complaints ($p < 0.01$). Other comparison factors, such as gender, age, race, or academic performance, did not affect the rate of irritations reported ($p > 0.05$). Students were evenly divided concerning the use of elasticized (49%) or longer cuffed (51%) gloves. Nearly all students—95.9%—wore non-sterile, latex examination gloves for all clinical activities, except certain surgical procedures. The other students wore either vinyl or nitrile gloves. Most students (90%) used three or four pairs of gloves during each patient appointment. On average, advanced students were more likely to use fewer gloves per patient ($p < 0.05$). Leaving the operating room was the students' primary reason for changing gloves. Replacement due to a failure of glove integrity was less common.

When asked, *Do you wash your hands prior to gloving at the start of a treatment?*, 63.8% of students answered "always." Earlier-year students were more likely to report they always washed prior to gloving ($p < 0.05$). When asked, *Do you rinse your gloves with cold water to remove any powder?*, 89.5% indicated they always did. There were no differences concerning rinsing of gloves prior to use among the classes ($p > 0.05$). Finally, when asked, *Do you wash your hands after removing your gloves?*, 95.8% reported "always."

Three major types of handwashing agents are used at the IU dental school: those containing chlorhexidine, iodophor, or PCMX. Chlorhexidine-containing products are routinely used by 81.9% of students for handwashing. Almost all students (93.6%) reported handwashing for less than 30 seconds. Students washed their hands on average eight times a day. Advanced students washed their hands

more frequently ($p < 0.01$).

For an average three-hour treatment session, 91.2% of students used two masks. Almost all students indicated they most commonly changed their mask because it had become moist/wet. The most common complaints reported were that masks are overly warm and/or cause glasses to fog. The most popular mask was the molded 3M type. Only one student reported not routinely wearing a mask for all types of treatment, including the use of rotary equipment.

Only one student had complaints concerning gown quality, size, material, or design. The major complaint was that the gowns at times are too warm. Eight students requested that gowns be short-sleeved. The yellow color assigned to student gowns was acceptable to 98.6% of students. The majority (65.5%) were agreeable or strongly agreeable to wearing surgical scrubs under disposable gowns. Only 10% wanted reusable gowns. This reflected a concern reported by a majority of students as to the impact that washing the gowns would have on the environment.

Contact lenses were routinely worn by 22.8% of students in the clinic, while 33.5% wore prescription eyeglasses. About 20% indicated that they used both contacts and eyeglasses. Prescription eyeglasses and/or safety glasses were used by 99.9% of students while treating patients. The majority of prescription eyeglass wearers used solid plastic, disposable side shields provided by the school. Most students (79.6%) usually (71%-99% of the time) cleaned/disinfected their glasses after a treatment session.

Nearly all students (93.5%) reported having no exposures (contact of patient body fluids percutaneously to mucous membranes or via broken skin) during the three months prior

to the survey. Of those reporting exposures, 95% had only one. Class standing did not affect exposure rate ($p > 0.05$). The most common types of exposures were sticks with a needle or instrument.

Discussion

Gloves. Students are required to wear gloves whenever contact is anticipated with patient body fluid, mucous membranes, or hazardous chemicals.⁸ This includes all treatment or diagnostic sessions and most laboratory activities. Examination gloves, surgical gloves, or heavy utility gloves are used, depending on need. Examination gloves can be rinsed, but never washed with a medicated soap. Washed latex gloves tend to become sticky, and detergent increases the chances of compromising glove integrity. Utility gloves can be washed. This IUSD requirement corresponds well with current OSHA regulations as well as CDC and ADA recommendations.^{1-4,8} Compliance concerning gloving was universal.

In the current study, 31.6% of students reported skin and/or mucous membrane irritations they felt were due to the routine wearing of gloves. This number can be compared to a recent study of Indiana dental practitioners in which 24.1% reported adverse skin reactions while wearing latex gloves.⁷

Also, a self-reporting survey by Nanstiel indicated that 43% of dental personnel reported adverse skin reactions associated with the use of gloves.¹¹ More detailed examinations to differentiate irritations from true allergic responses have been made. A study of U.S. hospital dental practitioners indicated that 12% had positive results in a skin prick test for latex, while an investigation in an Australian dental school reported a 9% rate.^{12,13} Screening of

1,351 hospital workers in another study indicated that 12.1% responded to skin-prick tests.¹⁴ In comparison, it has been reported that 1%-6% of the general population has been sensitized to latex.¹¹⁻¹⁵

IUSD dental students are required to wash their hands using a liquid antimicrobial handwashing agent before gloving and after glove removal.⁸ Similar practices are required by OSHA and highly recommended by the CDC and the ADA.¹⁴ Use of a proper washing agent was universal in this study. However, only 63.8% of students reported always washing prior to gloving at the start of a session, while 95.8% reported always washing after glove removal. Most students washed for less than the recommended minimum of 30 seconds. Improvement, therefore, is necessary in washing before and after glove use and in increasing the duration of the washing cycle.

Masks and Gowns. A mask covering the nose and mouth is to be worn by all students during examination and treatment of all patients.⁸ All but one student reported being in compliance. Several students complained about irritation/allergic responses to the wearing of masks. Hypoallergenic masks (no latex and few free particles) usually resolve the complaints. Greater variability in mask use has been noted among dental practitioners when professional judgment as to risk is involved.¹¹

Students must wear disposable gowns during the examination and treatment of all patients and when placing or removing surface covers on units.⁸ The sole type of gown used at IUSD has a high neck and long sleeves and is knee-length. IUSD has used this type of gown for over seven years, and it has been well-accepted. The majority of students indicated a desire to wear surgical scrubs. Two years

ago, students were given permission to wear scrubs in the school. Scrubs, however, are not acceptable barriers to prevent contact with patient body fluids. The standard disposable gown must be worn over scrubs.

Eyewear. Protective eyewear with side shields (safety glasses or prescription eyeglasses) or a curved face-shield that also protects the sides of the eyes is to be worn by students during all intraoral procedures and when they use polishing or grinding equipment in the laboratory.⁸ All protective eyewear must meet minimal impact resistance standards. Compliance was almost universal. However, less than 80% of the students usually cleaned/disinfected their protective eyewear after each treatment session.

A study conducted among dental residents training at several hospitals indicated that the rate of percutaneous injuries was 0.33 per resident per month or 3.96 per year for each resident.¹⁶ Another investigation reviewed the needle-stick injuries among practicing dentists. The injury rate was relatively low at 3.35 exposures per year.¹⁷ In the IU study, only 12 dental students of the 177 survey respondents reported exposure to patient body fluids or tissues in the last three months. Ten indicated that exposure had occurred only once. Dental students on average see eight patients per week or have about 350 patient visits per year. This suggests that the rate of injuries due to needle-stick accidents was modest in spite of the students' lack of clinical experience, when compared to rates reported by dental residents and private practitioners. However, it is difficult to compare dental student clinical activities with those of dental residents or practitioners since the numbers of patients seen per year are not equal among the groups. The

average clinical session for dental students at IUSD lasts three hours and is supervised by clinical faculty. Another factor could include underreporting of exposures by students.

Conclusions

Student compliance with the PPE usage rule was high in most cases. Annual training, closer monitoring, and stronger penalties could reduce the rate of non-compliance.

Remedial emphases should be placed on: 1) universal washing of hands prior to gloving at the start of a treatment session; 2) increasing handwashing duration to at least 30 seconds; 3) increasing attention to (monitoring of) skin care; 4) ensuring routine use of side-shields with all prescription eyeglasses; and 5) universal post-treatment cleaning/disinfecting of prescription eyeglasses or safety glasses.

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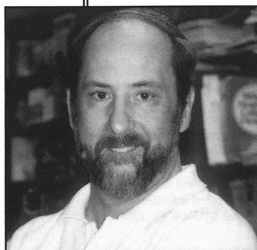
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A Word from Associate Dean Miller

"Dr. Jack Schaaf, chair of the IUSD Infection Control Committee, and I are frequently in the clinics monitoring infection control compliance," says Dr. Chris Miller, associate dean for research and graduate education, and head of IUSD's Infection Control Research & Services. "Results of studies such as the one described here (conducted four years ago) as well as our direct observation of the students, staff, and faculty help us identify areas that need to be re-emphasized. Sometimes infection control becomes so routine that complacency about its importance sets in. Infection control in dentistry is as important now as it has ever been, and we need to continually monitor compliance to assure protection of our patients, staff, and students."



Dr. Caufield

YOU'RE INVITED

The Indiana University Pediatric Dentistry Alumni Association invites the alumni at large to participate in the continuing education portion of its upcoming biennial meeting at the IU School of Dentistry, June 25-26, 1999.

Dr. Page William Caufield, director of the Specialized Caries Research Center at the University of Alabama, Birmingham, will present a lecture titled "Dental Caries, an Infectious and Transmissible Disease: Revisited."

Dr. Caufield is a dental graduate of Case Western Reserve University.

At Harvard University and the Forsythe Dental Center, he was a clinical scholar in the oral biology program and a postdoctoral fellow in oral microbiology. During this program he also qualified for the pediatric dentistry specialty.

He was a postdoctoral fellow in bacterial genetics at the University of Michigan; at the University of Alabama, he earned a PhD degree in cellular and molecular biology.

Dr. Caufield's lecture will address 1) windows of infectivity for transmission of indigenous bacteria, 2) fidelity of transmission, and 3) clonality of caries associated with strains of mutans streptococci.

Course Details

June 25-26, 1999 IU School of Dentistry Room DS116

Friday

Registration/
Continental Breakfast: 8 am
Course: 8:30 am-noon

Saturday

Registration/
Continental Breakfast: 8 am
Course: 8:30 am-noon

Cost:

\$100 (non-members of the IUPDAA, CE course only)
\$200 (IUPDAA members, for entire weekend of events)

C.E. Credits:

3.5 per each half-day session

To Register:

Contact Pamela Lovejoy, IU School of Dentistry,
1121 West Michigan Street, Indianapolis, IN 46202-5186;
phone (317) 274-3246; fax (317) 274-5072.

IDA Awards Salute 2 IU Faculty

The Indiana Dental Association is a good friend to the IU School of Dentistry, sharing in many of its goals and dreams.

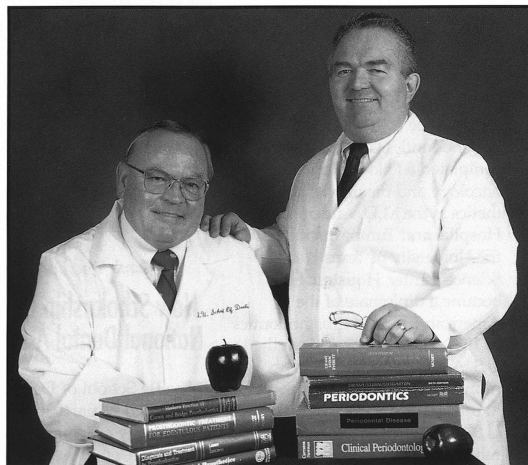
Perennially motivated to find ways to support the school in its efforts to strive for, as Dean Lawrence I. Goldblatt often says, "simply the best," the IDA Endowment Committee, chaired by Dr. Lloyd J. Phillips, decided to begin recognizing and rewarding exceptionally talented faculty.

In 1998, the IDA established two significant awards—one for outstanding teaching and another for overall excellence as a faculty member. The program is a contemporary and expanded version of one started by the IDA/IUSD Pursuit of Excellence in 1981 as a way to single out faculty for noteworthy teaching and research. That project was eventually put on hold so that the IDA could raise the \$1 million needed to establish an endowed chair for the school.

The new awards are \$5,000 each, with candidates being recommended to the IDA Endowment Committee by two dental school committees.

The first two awards were bestowed by Dr. Phillips at the 1998 Annual Teaching Conference at McCormick's Creek State Park, Spencer, Ind., last September.

The School of Dentistry is pleased to introduce the first two recipients of these prestigious IDA awards: Dr. Jonathan L. Gray, clinical associate professor of periodontics, the Outstanding Teacher of the Year; and Dr. Carl J. Andres,



Drs. Carl Andres (left) and Jonathan Gray

associate professor of prosthodontics and director of graduate prosthodontics, Outstanding Faculty Member of the Year.

Since joining the faculty six years ago, Dr. Gray has been an invaluable teacher and an asset to the school's curriculum-reform process.

After earning two degrees from the University of Illinois (BS'68, DDS'72), Dr. Gray earned a periodontic certificate from the Naval Dental School in Bethesda, Md., where he also taught for five years. He completed a post-doctoral fellowship in periodontics at the Naval Dental Clinic, Great Lakes, Ill. He served as a captain in the U.S. Navy Dental Corps from 1972 to 1993.

Dr. Gray is a diplomate of the American Board of Periodontology and the American Board of Oral Medicine.

In his relatively brief time on the IU faculty, he has acquired an extensive record of service on

key IUSD faculty committees, including several whose work is critical to matters related to the curriculum. During a term as chair of the Teaching and Assessment Committee, Dr. Gray recognized the importance of helping Indiana dentists understand the changes that were being implemented in the educational process at IU.

Dr. Gray is a devoted teacher with a kind demeanor. He has volunteered many extra hours to the development of assessment strategies for the new curriculum because he cares deeply about providing a superior dental education to IU's students.

"It was a great honor and a total surprise to be selected for this award," says Dr. Gray. "Those of us engaged primarily in teaching appreciate the recognition of our efforts, particularly since our peers make the selection. I would especially like to express my gratitude to

Tom Meador

members of the Indiana Dental Association for their generous participation in this process."

Dr. Carl Andres is a longtime contributor to the IUSD faculty as well as a two-time graduate of the school. In addition to his DDS degree (1966) and MSD in prosthodontics (1978), he also completed a fellowship in dental oncology and maxillofacial prosthetics at the M.D. Anderson Hospital and Tumor Institute at the University of Texas Health Science Center, Houston. He became a diplomate of the American Board of Prosthodontics in 1981. During his career in the U.S. Air Force he served in a number of teaching assignments at universities and bases in the U.S. and the Philippines. He returned to IU in 1986.

In addition to his energetic and highly regarded work on the "home front," which has included service on the research committees of about 75 graduate students in prosthodontics and maxillofacial prosthetics, Dr. Andres has helped promote the Indiana University name within the specialty by recently serving as president of the American Academy of Maxillofacial Prosthetics and accepting a seven-year term as an examiner for the American Board of Prosthodontics. He frequently contributes to continuing education programs around the country and in his home state.

"This is one of the greatest honors of my career," Dr. Andres says. To be selected "most outstanding" among a faculty composed of members who are all outstanding in their respective areas of dentistry, education, and research is doubly rewarding. I want to thank everyone in the IDA for everything they do to make us a collectively outstanding faculty of dentistry."

Photos by Mike Halloran



Thank You, District II

New Scholarship Given by National Dental Association

The IU School of Dentistry was pleased to participate in a two-day conference of the National Dental Association, District II, in October 1998.

The group's continuing education program was presented at the school. Dr. Edmond Hewlett, a professor of restorative dentistry at the University of California at Los Angeles, presented a course on cosmetic dentistry; and Amy Tuttle, of the Pride Institute, Greenbrae, Calif., discussed profitability in the dental practice.

Dr. Lawrence Goldblatt, IU dean of dentistry, joined District II's members and NDA representatives for a lovely reception Friday night at the Canterbury Hotel in downtown Indianapolis.

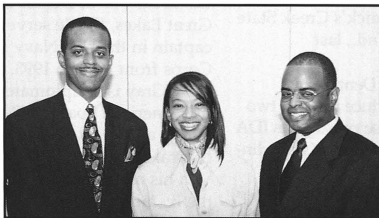
That evening, the NDA saluted Dr. LaForrest "Woody"

Dean Goldblatt (right) poses with IU alumni who are active members of NDA District II. Back row, from left: Jeffrey Jordan (DDS'87), Robert Stokes (DDS'72), Kathleen Beache (DDS'94), Lehman Adams (DDS'49), Michael Davis (DDS'89), and LaForrest Garner (DDS'57/MSD'59). Front: Jeanette (Sabir) Holloway (DDS'80), Terri Ford (DDS'88), Merneatha Bazilio (DDS'87/GPR'88), and Edna Kemp (DDS'91).

Garner, IU professor emeritus of orthodontics and former associate dean for minority student services, on his retirement from a distinguished career with the university. He was presented with a plaque in recognition of his lifelong accomplishments in dentistry and dental education.

The group also announced the first three recipients of the new Dr. Frank B. Chowning Memorial Scholarship, which was established to benefit minority dental and dental hygiene students at the IU dental school. The award honors the memory of an Indianapolis

practitioner who was the first Indiana dentist to serve as president of the National Dental Association. It is sponsored by the Indianapolis Component of the NDA.



Laurence Davis (left), Samantha Jones, and Isaac Dickey obviously are pleased to be the first recipients of the NDA's new scholarships for IUSD students.

Dr. Mirowski's Project Garners International Award

Recipients were second-year dental student Laurence Davis and third-year dental classmates Isaac Dickey and Samantha Jones; all are from Indianapolis.

The group looked at a number of criteria to select the students, including their involvement with the school and the community. Scholarship winners must be members of the Student National Dental Association or the National Dental Hygienists Association. Dental students must be enrolled in at least their second year of study. Academic performance and financial need are also considered.

The NDA's Indianapolis Component generously lends a much-needed helping hand to students who are well on their way to becoming talented professionals in the community. This new scholarship program will provide valuable assistance, and it is deeply appreciated by the school.

A video project created by Dr. Ginat Mirowski, IU assistant professor of dermatology and oral medicine, received a 1998 Bronze Telly Award.

The video, *Examination of the Skin: Indiana University Skin Exam Series*, was commissioned by the IU Department of Dermatology at the School of Medicine and produced by the Creative Services Facility of the Medical Educational Resources Program/Continuing Medical Education (MERP). Dr. Mirowski's efforts were supported by Dr. Antoinette Hood, also of the IU Department of Dermatology.

The video is a series of four distinct programs being used as teaching aids at IU's schools of medicine and dentistry. The video is also being presented at national meetings.

The Telly Awards are given in an international competition that showcases and recognizes outstanding non-broadcast and video production. The 10,000 entries from around the world compete against a high standard of excellence instead of one another.

Dr. Mirowski joined IU's dental and medical school faculties in 1996.

Photos by Mike Halloran



Dean Lawrence Goldblatt, third from right, poses with the evening's special honorees, from left: Walter and Hala Henderson, Christine and Leonard Scott, and Alfreda and LaForrest Garner.

Hine Legacy Society: Honoring a Man, Investing in the Future

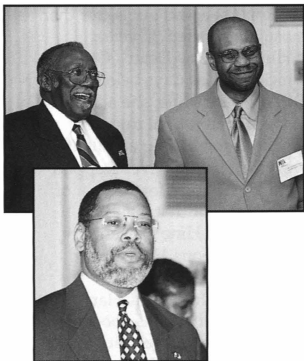
Maynard Kiplinger Hine, as the brochure describing the new Hine Legacy Society states, "devoted 52 years of his life to the School of Dentistry. In all that time, he never once stopped looking ahead, never once stopped envisioning ideas that could benefit and advance the school."

To honor this great man of vision, the IU dental school has created a society that will be composed of individuals who shared Dr. Hine's keen interest in the school while he was with us, and who are committed to

keeping IUSD a world-class institution now that he's gone.

Dr. Hine began his career at IU in 1944. Just one year later, he was appointed dean of the School of Dentistry, a position he held for the next 23 years. During his tenure, IUSD was transformed into one of the leading institutions for dental education and research in the world.

Dr. Hine also served as first chancellor of Indiana University-Purdue University Indianapolis, from 1969 until his retirement in 1973. After retiring, this esteemed educator continued to play a vital role at the dental school as a senior statesman, serving as mentor, adviser, and historian. He maintained office hours at the dental school until shortly before his death in 1996.



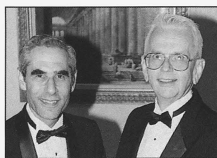
Among the special guests at the National Dental Association's reception were Robert Johns, NDA executive director (bottom photo); and top photo, Dr. Roosevelt Brown (left), president of the NDA Foundation, with Dr. Stephen Towns, a member of District II's board of trustees.

Planned Gifts

Depending on the specific planned-gift arrangements, donors can expect some or all of the following benefits.

- Satisfaction from providing the School of Dentistry with the kind of support that will enable the school to uphold the highest standards in its pursuit of excellence in dental education
- Income tax savings through the allowed federal and state charitable deductions
- Avoidance of the capital gains tax on contributions of long-term appreciated property
- Retained payments for the life of a donor and/or other beneficiaries
- The possibility, with certain arrangements, of increased financial distributions
- Elimination of the federal estate tax on property passing to IUSD
- Reduced estate-settlement costs

For more information about the Hine Legacy Society, call Paul St. Angelo, IUSD director of development, at (317) 274-5313.



Dr. Goldblatt and Dr. Maynard Hine's son, Dr. William Hine Sr.

The Hine Legacy Society was formed to honor persons who honor Dean Hine's memory by investing in the future of dental education at IU through planned or deferred gift arrangements.

The first annual dinner program was held September 16, 1998, in the ballroom of the Marott Apartments on North Meridian Street in Indianapolis. About 50 persons were in attendance. Special guests included Gerald Bepko, IU vice president for long-range planning and chancellor of Indiana

University—Purdue University Indianapolis; one of Dr. Hine's children, Dr. William Hine, and his wife, Betsy, Terre Haute; and one of William and Betsy's sons, Dr. William Hine, and his wife, Michelle, Indianapolis. Maynard Hine's son is dean of the School of Adult Education at Eastern Illinois University, Charleston, Ill., and his grandson is a full-time assistant professor of hospital dentistry at Indiana University.

Three couples were honored during the program for their extraordinary philanthropic commitment to the IU School of Dentistry, including Dr. LaForrest and Alfreida Garner, Walter and Dr. Hala Henderson, and Dr. Leonard and Christine Scott, all of Indianapolis. Drs. Henderson and Garner have recently retired from long careers as IUSD teachers and administrators; Dr. Garner continues to conduct a part-time orthodontic practice and serves as ombudsman for students on the IUPUI campus. Dr. Scott maintains a private dental practice and is also the owner of Tyscot Records, a record label devoted to Christian music.

The Society's inaugural Honor Roll is composed of 20 planned gifts from alumni, family of alumni, and other friends of the school.

"More people than ever before are making estate plans that benefit the School of Dentistry, and often the gift assists the specialty the donor practices," Paul St. Angelo, IUSD director of development, said shortly after the Hine Society dinner. "As we were enjoying the first celebration, I was already aware of several couples who are establishing trusts, signing annuities, or listing IUSD in their wills. It was an honor for Dean and Mrs. Goldblatt, and all of us at the School of Dentistry, to pay tribute to these generous and caring benefactors."

Continuing Our Education, But Without Sandy Manion

After decades of signing up Indiana's dental professionals for classes in dentistry, the dental school's secretary in Continuing Education signs off.



Sandy Manion

In 1961, an Indianapolis placement agency helped a young lady from Speedway, Ind., find a secretarial job at the IU School of Dentistry.

As placements go, Sandra J. Manion's worked out better than most. Hers lasted 37 years.

Hired into the Dean's Office, which in those days belonged to Dr. Maynard Hine, she adapted to the dental school routine quickly, establishing excellent work habits that never stopped coming in handy for the rest of her career. For that, Sandy credits Dean Hine's legendary assistant, Cleona Harvey, and secretary, Ruth Chilton.

"Learning from Mrs. Harvey and Mrs. Chilton was good basic training for a new recruit," Sandy said shortly before her retirement from the school in December. "In the Dean's Office, you knew you had to do your part to make the whole thing come together. Everything took place in that office back then—it was like O'Hare airport. We had the mail, the keys, locker assignments, room schedules, all employee and student interviews, mimeographing, grades, and continuing education. We had to jump and run all the time."

She stayed with the school till the final days of 1998, changing positions only once, to branch off into continuing education duties after Dean Hine accepted the IUPUI chancellorship in 1969.

That year Sandy encountered what for many young girls would have been a fork in the road: Chancellor Hine offered her the receptionist's position in his new IUPUI office. But Sandy already felt firmly rooted. She knew the dental school was the right workplace for her.

"I didn't want to leave," she recalled. "In the Dean's Office, I was never stymied at a desk doing mundane chores."

The same held true when Sandy moved out of the Dean's Office and into the newly created Office of Continuing Education in 1971. By then C.E. activities had increased enough in the Dean's Office to make the establishment of a bona fide C.E. division necessary. Longtime IU faculty member Dr. Robert Derry was named first director, and Sandy served as senior administrative secretary. During this period, the modern-day C.E. schedule was born; Saturday classes became routine, with out-of-state guest speakers often serving as the teachers. A variety of the city's hotels became course sites.

Like the Dean's Office, C.E. was short on monotony and idle hours. Unlike the Dean's Office, however, Sandy no longer had other staff members she could count on to help keep things from running amok.

It fell to Sandy to manage details related to the registrants, classrooms, speakers, audio-visuals, lunches, coffee breaks, and usually a few dozen spur-of-the-moment items.

"Knowing I was *it*, having no one to depend on—that was scary," said Sandy, who has undoubtedly forfeited more Saturdays to the dental school than any other employee.

Being "it" led to a life of light sleeping on the nights

before courses. There was lots to ponder in the wee hours: oversleeping, the garage door not opening, the car not starting, getting sick, waking up to a blizzard—or maybe all of the above.

Most of the time her worries were for naught; she can recall only once having to find someone to cover for her in 30 years. But the job was always pitching curve balls.

One time, an out-of-state speaker abruptly cancelled his Saturday course after a nasty fog eliminated his Friday flight to Indy. Sandy scrambled to spread the word to all of the registrants, but a married couple driving down from Michigan had already left by the time she called.

"I couldn't let them come to an empty building," Sandy said. She headed for the school on Saturday morning to give them the bad news, bracing herself for a tongue-lashing from two understandably upset people.

"I thought they'd be outraged, but instead, they turned to one another and said: 'Oh! OK. Let's go Christmas shopping!'" Sandy remembered with a laugh.

It's a good example of the unpredictability of life as the "con ed" coordinator. Sandy's great sense of humor went a long way in helping her deal with challenges that were routine—such as scavenging for a dwindling supply of course rooms or reserving one that wound up being too hot or too cold—and, well, less routine—such as the time a room partition brought early-bird registrants to a hyper-state of consciousness by loudly collapsing during continental breakfast.

A few special courses were offered in the Bahamas and other exotic locales in the 1970s. "Those were fun," she said. "We always took well-known IU speakers like Dr. Ralph Phillips and Dr. Donald Cunningham, and the participants were really interested in their courses."



Dr. Donald Arens took over the C.E. directorship in 1987, and the staff was eventually expanded to include two part-timers.

And, true to form, Continuing Education remained unpredictable till the end: After 37 years of working out of offices in the hallway of the original part of the school, Sandy actually spent the last few months of her job at the former Indiana State Department of Health, where C.E. was temporarily moved as part of a school-wide reshuffling of rooms.

Sandy played a unique role in the education of many of IUSD's students long after they left IU with degrees in hand: From her position at the registration desk on course days, she watched them continue their education, and their careers. She's congratulated many on becoming parents, then grandparents.

"Marvin Wright once told me: 'We grew up together,'" said Sandy of a 1966 graduate from Greensburg, Ind., who lives in Wabash, Ind., today. "It's true. I do feel as if I grew up with many of the students. They told me about their wives, their children, their lives. That was a big plus of the job."

Sandy is at home at 7138 Eagle Cove N. Drive, Indianapolis, IN 46254.

Sandy reads one of the congratulatory cards she received during a retirement reception held by the school in her honor last December. With her, from left, are Anderson alumnus Gregory Busing (DDS'85) and his wife, Leslie (Gist) Busing; Sandy's sister, Sally Manion, Indianapolis; and Vivian Haggard, Greenwood. Vivian is a retired IUSD staff member who shared an office with Sandy for many years. Leslie formerly worked in the IUSD Student Office.



Among Sandy's many well-wishers: her mother, Helen Manion, and Dean Lawrence Goldblatt

Photos by Tom Meador

To Belarus with Love

John Pfefferle, a practitioner in Raleigh, N.C., and member of the DDS Class of 1978, shares his unforgettable experience as a dentist on a recent mission to Belarus, and invites you to participate in the next one.

On December 28th, I embarked upon a journey along with five of my staff members that has affected me more than anything else in my life other than the birth of my two daughters.

On that date, six of us left the United States and approximately 18 hours later touched down in Minsk, Belarus. We then got on a bus, along with 48 other Americans, and three hours later arrived in Mogilev, a little industrial city in the western region of Belarus, and, unfortunately, only about 100 km from the city of Chernobyl.

Accompanying ABRO (American Belarusian Relief Organization), we set upon a mission to provide dental care to orphans, as well as other children in the local and regional dental clinics in Mogilev. Our mission also included teaching

Belarusian dentists techniques that we take for granted such as rubber dam, local anesthesia, and instruction in new bonding materials and sealants.

To say working in the modern Belarusian dental clinics was a throw back to much earlier times in America would be an understatement! There was no suction in any facility. In one orphanage there was no overhead light, and the compressed air in the airwater syringe was challenged at best. The patient chairs were over 100 years old, and the operator chairs had wheels that were unable to roll. However, in spite of conditions we would consider hardships, we successfully treated over 250 children, and along the way, learned more about life, and the things that are important in life, than we would had we been in the most advanced operatories of the Pankey Institute.

We were privileged to observe highly skilled dentists from another culture provide proficient and loving care to children under the most challenging conditions. We were also privileged

to forge not only professional relationships while we were there, but more importantly, the kind of deep personal relationships that come along only too rarely, but once they do, touch your heart for an eternity, and are impossible to forget.

Most of our time was spent in Mogilev Children's Dental Clinic #1, which was a district dental clinic. The Belarusian dentists utilize no assistants. In an effort to save electricity, most reception areas were without lighting; the parents and children sat in darkness waiting for their names to be called. Belarusian mothers, like their American counterparts, were somewhat anxious when their children were separated from them for dental treatment. Parents traveled from all areas of western Belarus to see the American dentist, and waited patiently for hours to be seen. We were featured on the Belarusian equivalent of CNN, which not only drew the interest of many families but also prompted a visit from the KGB to both my interpreter's house and the clinic while I was there.

At the Mogilev regional children's clinic, dentists from all over western Belarus came to observe our techniques. A party-line reporter appeared to report on our activities as well.

Our two days at the Mogilev orphanage were probably the most touching. Here is where we worked without light, suction, or air on children with the most heart-breaking of dental disease. Before going over we had stickers printed for the children that said "Smile" and "Dr. John Loves Me" in Russian. We also gave them a picture of themselves and an American nickel after their appointments;



Dr. Pfefferle donned a Santa suit and passed out gifts at the Barysyki orphanage on Belarusian Christmas. His little friend is Masha, who will be the guest of the Pfefferle family in Raleigh for six weeks this summer. "The visit will give her tiny body relief from the radiation she lives in," he says.



Dr. Pfefferle treating patients in the Mogilev orphanage, where children ages 3 to 7 live. "No overhead light, no suction," Dr. Pfefferle reports. "MASH dentistry at its finest!"



Lena (Dr. Helen) chats with a patient in the Mogilev Children's Dental Clinic #1, which she runs. "I stayed with Dr. Helen and her family while I was there," says Dr. Pfefferle. "She's a very bright woman and a loving person who is great with kids." The persons in the background are wearing dental uniforms.

each child proudly displayed them upon leaving the chair. Hugs and kisses were exchanged freely and often with each child, and the excitement in the eyes of every child waiting to be treated motivated us and stole our hearts. Each patient was met with a "high-five," and by the end of the day the orphans and staff were greeting each other the same way.

Another privilege I had while in Belarus was playing American Santa Claus with the Belarusian counterpart Dedt Moroz at both a native Christmas celebration and at an orphanage for learning-disabled children and other young teens. I truly feel the hearts and wants of children are universal in nature, and more than ever I count my blessings for all the good that my family and I have and exist in.

The trip can be described in many ways: It was an adventure, an experience, and humbling. We left behind almost all of our supplies and many instruments to assist our Belarusian colleagues to provide kinder, gentler care for their little patients. We were continuously thanked and told that we had given so much to those with so little by visiting their country and helping them provide better care. However, I can assure you

that each and every one of us who made the trip will say that we came back much richer, and received so much more while there than we gave. Through this process, I became a better dentist, a better father, and a far better human being.

For those interested in learning more, you can visit ABRO.org on the Web. In addition, I am putting together a dental team to return to Belarus around the first two weeks in November 1999. If you think you might be interested in participating in such a mission, I'd be happy to tell you more about it. Please get in touch.

John Pfefferle
e-mail: KANP@aol.com
phone: (919) 676-5413
Dr. Pfefferle's article also appears on the ABRO Website.

Six Fast Feet in Florida

It was a Floridian race, but with a decidedly Hoosier flavor. **Barclay Kirkland** (MSD/Periodontics 1990), Bradenton, noticed something unusual at the end of the 5K beach run sponsored in Florida last summer by the West Coast Dental Association: winners in all three categories were IU grads. We congratulate **Nolan Allen** (DDS'73), winner of the senior men's division; **Ronald Luke** (DDS'90), winner in the overall men's category; and **Margaret (Hibler) Kirkland** (DDS'89), winner of the women's division (she also ran away with honors as overall winner among men and women runners).

Former IUSD Secretary Phyllis Walker Reminisces

Last summer we received a long letter from Phyllis Walker, who worked for the IU dental school from 1958 to 1965. While in the office of Ellettsville dentist **Thomas Kapczynski** (DDS'78) to have a gold inlay replaced—one of five that were made for her by IU faculty member **Robert Bogan** (DDS'54) 33 years ago—Mrs. Walker was given a copy of the *IUSD Alumni Bulletin* to read. "My, how the memories came flooding back," she wrote.

Her letter, which brims with details of her years with the school as well as her life since, has been placed in the dental school's archives for those with an interest in reading it in full. "I just wanted to write to someone and tell them how much I enjoyed seeing one of the bulletins and how it brought back so many memories for a secretary who worked for some very key people in that place," she wrote.

Hired into the Dean's Office by Cleona Harvey, Mrs. Walker worked for Dean Maynard Hine and eventually for Dr. Joseph Muhler in the graduate office and Dr. John Johnston in the Department of Crown and Bridge and Partial Denture Prosthodontics. She interrupted her service for a few months, but returned when her husband, Robert, was accepted to medical school at Indiana University.

The often intimidating and overpowering Dr. Johnston made an indelible impression on Mrs. Walker, as he did with most people who found themselves circulating in his territory. "I never did tell him that he reminded me a great deal of my father..." she wrote.

Mrs. Walker left the school shortly after her husband finished med school and before

she gave birth to their third son, John. "Dr. Johnston thought I had named him John because that was his name," she wrote. "He didn't know I had a grandfather named John."

Mrs. Walker typed the drafts of the first edition of Dr. Johnston's noteworthy book, *Modern Practice in Crown and Bridge Prosthodontics*. Years after leaving IU, Mrs. Walker still encountered reminders of her boss's legendary reputation. "I have talked to dentists in other parts of the country (even sat next to one on a plane once) who had used the crown and bridge book..." she reported in a follow-up letter.

In 1966, Dr. and Mrs. Walker left for a three-and-a-half year stay in Rhodesia (now Zimbabwe), Africa, where Robert did medical missionary work and Phyllis worked as his secretary and bookkeeper and taught a children's Sunday School class.

After living on 60 acres north of Ellettsville for 23 years while the children were growing up, the Walkers now reside in Bloomington. Dr. Walker left practice after having five heart bypasses. During the last 15 years of his career, he worked at the Immediate Care Center in Greenwood. Their three sons, Phillip, Gregory, and John, all became IU-educated physicians, with Gregory specializing in urology.

As she closes her letter, Mrs. Walker conjured up an image of the cartoons that Dr. Johnston was known to sprinkle throughout his course lecture slides for students. "I've sometimes wondered what became of all those slides that used to be behind my desk! Life is short. But the institutions continue on (and so do the memories)."

5 IU Grads on Publication's Leadership List

Several of IU's graduates have caught the eye of a national publication for the busy schedules they maintain on the national lecture circuit. The widely circulated clinical news magazine *Dentistry Today* featured five IU alumni on a list compiled by its editors of 86 national leaders in continuing education. They are:

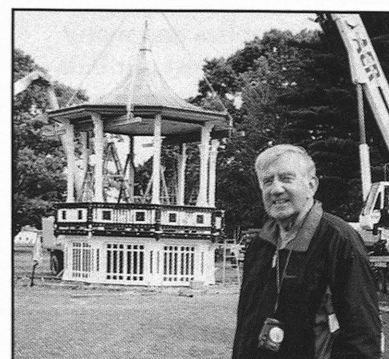
- **Donald Arens** (DDS'59, MSD/Endodontics 1972), associate professor of endodontics at the IU School of Dentistry and director of the school's Continuing Education division.
- **Joe Camp** (MSD/Pediatric Dentistry 1968), an adjunct associate professor at the University of North Carolina School of Dentistry and a private practitioner of endodontics in Charlotte.
- **James Cottone** (MS/Oral Diagnosis-Oral Medicine 1977), professor and director of the Center of Research, Education and Policy Development in Infectious Disease Control in Dentistry and director of the Johnson & Johnson Medical Inc. Postdoctoral Fellowship in Infectious Disease Control in Dentistry at the University of Texas Health Science Center at San Antonio.
- **William Oakes** (DDS'74), founder of the Dr. Woody Oakes lecture series and a private practitioner in New Albany, Ind.
- **Franklin Weine** (MSD/Endodontics 1966), endodontic practitioner in Chicago and Loyola University professor emeritus who was the university's longtime director of graduate endodontics.

FACTS FROM THE FIELD

1943 • Noble Sevier (DDS), Sullivan, has been retired since 1982. He turned 82 in December. Mona Sevier, his wife of 51½ years, died in 1992. Their son, **Noble II** (DDS'71), practices in Evansville and lives in Newburgh; he retired from the Army Dental Services as a full colonel.

1948 • Max Burke (DDS), Carmel, and his wife participated last August in a medical mission in Ecuador. The group they traveled with saw 1,269 patients. Dr. Burke has contributed to 10 such missions so far, including two in Russia.

1948 • A handsome bandstand is now the focus of Hoopes Park in Auburn, N.Y., thanks to retired oral surgeon **Joseph Karpinski** (DDS), who decided to give back to his community by commissioning a craftsman to build the structure. The Bottom Feeders, a bluegrass and folk act, created the first sweet notes to emanate from the bandstand at a premiere in July 1998, and the rest of the summer schedule quickly filled with performances by barbershop choruses, jazz and blues artists, civic bands, and Irish step dancers. Dr. Karpinski's generous contribution to the community was the feature of several articles in the Auburn newspaper, *The Citizen*. "A bandstand is both symbolic and cultural," Dr. Karpinski wrote in a newspaper essay. "It simultaneously instills a sense of permanence and of speculation."



Dr. Karpinski and the newest addition to Hoopes Park

It provokes memory and fantasy... I hope this bandstand will evoke sentimental reveries of America's simpler days, of a time when innocence was still intact. Music has the power to bridge social and cultural barriers. The bandstand built by Gary Patrick Wilbert is a triumph of playful imagination over the deadening infirmities of routine and neglect."

1950 • James Dirlam (DDS) and his wife, Norma, Lebanon, celebrated their 50th wedding anniversary on June 20, 1998.

1953 • David Lehman (DDS), Goshen, says he is "retired mostly." He attends ortho courses in the Colorado mountains in the winter and skis. He has six children, including **David Lehman (DDS'87)**, an orthodontist in Elkhart, and two dozen grandchildren. Dr. Lehman senior lives with his wife in a retirement community.

1966 • Alan Hugger Smith (DDS), Portland, Ore., has a new e-mail address: ahugger@ptld.uswest.net.

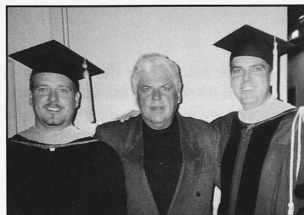
1971 • Pierre Desautels (MS/Dental Materials), Montréal, has received the Canadian Dental Association (CDA) distinguished service award; it was presented during an awards program in Ottawa in September 1998. The CDA says that Dr. Desautels has been, and continues to be, a tremendous resource. He is a French scientific editor for the *Journal of the Canadian Dental Association*, and he was a long-serving member of the committee on dental materials and devices. He represented the CDA on the Canadian Standards Association of the International Standards Organization (ISO). Dr. Desautels was a member of the ISO's subcommittee on terminology, and is well-known for his work on terminology standardization.

Dr. Desautels is also well-known for his expertise in dental materials, including dental amalgam. He has been a frequent spokesperson on the amalgam issue. A member of the University of Montréal faculty since 1971, he teaches dental materials and currently chairs the restorative dentistry department. He is a 1964 dental graduate of that university.

1973 • Nolan Allen (DDS), Clearwater, Fla., was recently installed as president of the West Coast Dental Association, one of six components of the Florida Dental Association. The WCDA includes Homosassa to the north and extends south to Naples and east to Sebring. It has 1,700 members. Dr. Allen belongs to the Pierre Fauchard Academy, the L.D. Pankey Alumni Association, and is a fellow of the American College of Dentists.

1974 • Keith Dickey (DDS), a practitioner in East Alton, Ill., and chair of the Department of Growth, Development and Structure at Southern Illinois University School of Dental Medicine, has been elected president-elect of the Indiana State University Alumni Association. He will represent the university's 70,000+ living alumni at official university events. Dr. Dickey earned his ISU degree in 1972. He continues to serve as District B-Illinois delegate to the ISU Alumni Council.

1975 • Wallace Chong (DDS), Hilo, Hawaii, was inducted in January 1999 into the Athletic Hall of Fame of the University of Hawaii at Hilo. Active with the Athletic Boosters of UH-Hilo since his return to the islands after graduation from IU and service with the U.S. Navy in Vietnam, Dr. Chong served as president of the athletic support group in 1973-74 and has been a leader of the Past President's



Two More Docs for the Bailey Family. Indianapolis dentist **John Bailey (DDS'66)** welcomed sons **John Jr. (left)** and **James** into the dental profession after IUPUI graduation ceremonies last year. The brothers were both members of the DDS Class of 1998. Currently Dr. Jim is practicing with his father, and Dr. John Jr. with another Indianapolis office, but Dad Bailey is looking forward to the day when all three can practice together.

Council. He is the father of **Wallace Chong III**, a member of IU's dental class of 2001. Dr. Chong's daughter, Carolyn, is a third-year dental student at the University of California at San Francisco.

1978 • Anita Murray-Clary (DDS), Topeka, Kan., has been a pediatric dentist for 18 years in Topeka. She is married to John Clary and has two girls, 10 and 11 years old. "My family is the best thing in my life," she says. "Dentistry is keeping me very busy, a true challenge and very rewarding."

1983 • Ana Arnold (DDS), Iowa City, Iowa, an associate professor in the University of Iowa's Department of Family Dentistry, has accepted the position of chairperson of the scientific session of the American College of Prosthodontics annual meeting to be held in Hawaii November 15-18, 2000. Dr. Arnold has chosen "Predictable Prosthodontics" as the meeting's theme. "Dr. Arnold's diligent work and selection of speakers will result in one of the best scientific sessions in my memory," Dr. Arthur Nimmo, president of the college for the year 2000, stated in an article appearing in the April 1999 issue of the *Iowa Dental Journal*. "I knew that Dr. Arnold would do a good job as scientific chairperson,



Dr. Chong

but her research of the speakers and dedication to the job has gone beyond anything I had expected. I am very pleased with what she has produced."

Dr. Arnold received a master's degree in prosthodontics from the University of Iowa in 1987.

She became a diplomate of the American Board of Prosthodontics in 1991. She is graduate director for the Advanced Education in General Dentistry program at Iowa and also is group manager for the fourth-year dental students. She has written more than 50 abstracts and 40 publications and is a manuscript reviewer for three journals. "Dr. Arnold recently resigned as chairperson of the highly successful Student Research Group for which she has received many personal accolades from the students she has mentored," says Dr. J. Michael Leary, one of her colleagues at Iowa. "Without question, Dr. Arnold has outstanding qualifications in the areas of service, education, and scholarly activities. She is truly a renaissance person in education."

1983 • Thomas Boyd (DDS), a practitioner in Peoria, Ill., since 1985, received the Academy of General Dentistry's Fellowship award during ceremonies at the academy's annual meeting in Boston in July 1998. Dr. Boyd earned the fellowship by completing more than 500 hours of continuing education courses within 10 years and passing a rigorous examination. Dr. Boyd lives in Metamora with his wife, Joyce. They have two children, Megan and Andrew.

1983 • Pamela Steed (DDS), Indianapolis, was recently elected to a two-year term on the board of directors of the American Academy of Head, Neck, & Facial Pain (AAHNFP). She has also received the American Association



Dr. Steed

for Functional Orthodontics' Clinician of the Year Award; it was presented at the Association's conference in San Francisco. The AAFO has more than 2,000 members.

Dr. Steed earned an IU master's degree in dental diagnostic sciences in 1990. Her practice, which is limited to the treatment of craniofacial pain and temporomandibular dysfunction, is at the St. Vincent Professional Building. She is a Regent of the International College of Cranio-Mandibular Orthopedics. She chairs the Insurance Task Force Committee for that group and the AAHNFP.

Dr. Steed recently had several articles published in *The Functional Orthodontist* and *The Journal of Craniomandibular Practice*. Her research interests lie with psychometric analysis of the TMJ patient. She belongs to the Research Protocol Committee of the AAHNFP, and has undertaken teaching assignments at various professional conferences on the subject of research protocols. As the AAHNFP's representative, she chaired a two-day continuing education certification course on TMJ imaging, held at Baylor University in Dallas.

1987/88 • Carole Thiemann (DDS'88), Indianapolis, writes that she and husband, **Robin Thoman (DDS'87)**, are enjoying their dental practices. "We have been fortunate to travel and continue to enjoy skiing, flying, family, and friends."

1988 • Steven Coppes (DDS), Portage, is in solo practice in Merrillville. He and his wife, Shirley, have been married five

years. They are building a home in Valparaiso. "Enjoying traveling, boating, and running a busy practice," he says.

1988 • Tom Teel (DDS), Fort Wayne, says: "I proposed to my wife on the summit of the world's highest active volcano, after climbing to 19,348 feet on Mt. Cotopaxi in Ecuador. We were married on September 13, 1998. Happier than ever!"

1989/90 • Margaret (Hibler) Kirkland (DDS'89), owns a solo general practice in Bradenton, Fla. She is married to **Barclay Kirkland (MSD/Periodontics 1990)**. They have two daughters, Cari Beth, 8, and Chloe, 6. Margaret recently won the Southern States Powerlifting Championship held in Ormond Beach, Fla. Says Coach Barclay: "She was awesome!"

1993 • Daron Sheline, Elkhart, has three children: Lauren, 5, Madison, 3, and a new baby, Spencer Daron.

1998 • DDS classmates Lori Feltman and Scott Risser were married in South Bend on July 11, 1998. They are at home in Indianapolis.

1998 • Jay Gucky (DDS), married Maureen Thallemer in Bayview, Mich., on June 13, 1998. They have made Indianapolis their home. Dr. Gucky has a practice and also teaches part-time in IUSD's Department of Operative Dentistry.



Dr. Arnold

ADDRESSES

1938 • Charles Zalac (DDS),
1264 Fairview Ct, Bluffton
IN 46714

1956 • Marvin Bernstein,
3 Wood Ln, Suffern NY
10901

1962 • Edwin Sakurai (DDS),
1337 Warnall Ave, Los Angeles
CA 90024

1965 • Vance Lopp (DDS), 6668
E Waco Dr, Syracuse IN 46567

1968 • George Schad (DDS),
APO AE 09012, 800 W Main St,
Muncie IN 47304

1973 • Robert Achterberg
(DDS), 15963 Wright Plaza #118,
Omaha NE 68130

1973 • Terence Blosl (DDS), 7846
Primrose Ln, Portage MI 49024

1975 • James Snyder (DDS),
88 Howard St #2116, San
Francisco CA 94105

1979 • Margaret Wilson (ASDH-
IN), 4800 North 300 East,
Anderson IN 46012

1980 • Carol Stewart (DDS),
4050 SE 20th Ave, Keystone
Heights FL 32656

1983 • Thomas Shoemaker
(DDS), 2929 Paulding Rd, Fort
Wayne IN 46816

1986 • William Brackett (MSD),
Dept of Adult Restorative
Dentistry, University of
Nebraska Medical Center,
College of Dentistry, PO Box
830740, Lincoln NE 68583-0750;
(home) 5373 W Katleman Dr,
Lincoln NE 68521

1993 • Steven Johnson (DDS),
PO Box 1357, Shirley MA 01464

1994 • Penny Lee Parkhill
(ASDH-IN), 3545 Rock Maple
Dr, Indianapolis IN 46235

1997 • Darcia Schmucker
(ASDH-FW), 5914 Edinburgh
#203, Canton MI 48187

1998 • Ann Shackelford (DDS),
11750 Passage Way, Apt 147,
Cincinnati OH 45240-2057

DEATHS

STAFF

Helen Dorothy Ruffin,
Indianapolis, Dec 18, 1998.
Mrs. Ruffin had served as an
appointment clerk at the IU
School of Dentistry for 16 years.
She retired in 1966. She was
preceded in death by her husband,
Paul, and is survived by daughters,
Betty Henry and Peggy Williams;
five grandchildren; seven
great-grandchildren; and seven
great-great-grandchildren.

FRIEND

Pennie Thomas, Muncie, Nov 3,
1998. Mrs. Thomas was the
widow of **Harvey Thomas**
(DDS'52), who preceded her in
death by 10 months. A longtime
friend of IUSD, Mrs. Thomas was
well-known for her community
volunteerism and dedication
to numerous charitable organiza-
tions in Muncie as well as pro-
grams associated with Ball State
University. She was a governor's
appointee to the Ball State
University Board of Trustees and
was serving her second four-year
term at the time of her death. In
1997, the Thomases were co-
recipients of Muncie's highest
civic honor, the VIVA Lifetime
Achievement Award. Mrs.
Thomas is survived by a
daughter, Susan Thomas.

ALUMNI

1929 • Ambrose Johnson (DDS),
Englewood, Ohio, Dec 6, 1998.
Dr. Johnson had practiced in
Dayton, Ohio, for 52 years. He
studied voice under Melan
Petrovich of the Cincinnati
Conservatory and was a vocal
soloist in Methodist churches for
many years. He also was a
drummer with the Docs of
Dixieland and Potentates Little
Symphony. According to an obit-
uary appearing in the *Dayton*
Daily News, Dr. Johnson was
among the first dentists to use
hypnotherapy. He contributed to
the dental hygiene faculty at

Sinclair College. Shortly before
his death he appeared on TV2 to
talk about his experiences dur-
ing the 1913 Dayton flood. Dr.
Johnson was preceded in death
by his first wife, Marabelle
Haven, and second wife, Mary
Monas. He is survived by his
children, Christine Dull,
Englewood, Dr. Vaughan
Johnson, Danville, Calif., and
Bradley Johnson, Yellow Springs,
Ohio; 10 grandchildren; and
two great-grandchildren.

1929 • Gale Oldham (DDS),
Indianapolis, Oct 12, 1998. Dr.
Oldham was a dentist for 55
years. He retired in 1987. He was
the brother of **Paul Oldham**
(DDS'27) and the uncle of **Drew**
Oldham (DDS'63), a part-time
associate professor of prosthodontics
at IU. Dr. Oldham is
survived by his wife, Jean;
children, David Oldham and
Joanne Kinzler; stepdaughter,
Carol Radigan; 14 grandchildren;
and 19 great-grandchildren.

1931 • Roy Clinthorne (DDS),
Indianapolis, Oct 6, 1998. Dr.
Clinthorne had dental offices in
Fort Wayne and Indianapolis for
more than 50 years; he retired in
1985. He was formerly a physics
teacher at Fisk University in
Nashville, Tenn., with degrees
from Purdue University and the
University of Southern California.
Dr. Clinthorne was a charter
member of the Dental Research
Society. He served for four years
on the Marion County License
Review Board. He was preceded
in death by his wife, Ruth.

1933 • George Myers (DDS),
Indianapolis, May 1998. Dr.
Myers retired in 1983 after 50
years in practice. He was presi-
dent of the Indiana Dental
Association in 1961-62. Dr.
Myers was the widower of
Gloria Myers. His son, Charles,
six grandchildren, and two
great-grandchildren survive.

1935 • Philip Haft (DDS), Hackensack, N.J., Apr 24, 1998

1935 • Robert Raughley (DDS), Dover, Del., Nov 5, 1998

1935 • Louis Siegel (DDS), Cincinnati, Ohio, Dec 1998

1935 • Donna Kay (VanGilder) Pineda, Kendallville, daughter of **Donald VanGilder** (DDS), has written to inform us that we gave an incorrect date of death for her father in the Volume 12, Number 2, 1998 issue of the *Alumni Bulletin*. The correct date is April 30, 1998. We regret the error.

Dr. VanGilder was a lifetime resident of Mentone. He was a World War II Army veteran, serving in the Medical Corps in the Aleutian Islands.

"He continued practicing dentistry until after his golden anniversary in 1991," writes Donna. "His last patients were seen in 1993-94. They told me at his funeral that it had taken Dad longer than usual, but that another dentist whose patients they became later marveled at the perfection shown in his last artistry of the profession he loved so much.

"In addition to practicing dentistry for 60 years, Dad stayed in the military after World War II and taught in the reserves in South Bend. When he retired in 1972 with the rank of colonel, he received a presidential citation for his dedication to the service and for his teaching skills. He studied at Commanding General Staff College in Fort Leavenworth prior to teaching in the reserves.

"Dad lived at his own home until June of 1997. After a bout with pneumonia, he was transferred from the hospital to a nursing home in Warsaw for the last 10 months of his life... While he was still able to watch TV, he would insist on our finding his IU cap, which he would wear for all the IU basketball games."

Dr. VanGilder is also survived by his wife, Barbara, and daugh-

ter, Martha Moussallam; two grandchildren; and three great-grand children.

1936 • Harry Barton (DDS'36), Munster, Jan 14, 1998

1939 • John "Scotty" Campbell (DDS), Sun City Center, Fla., Feb 27, 1998. Dr. Campbell was professor emeritus of dentistry at West Virginia University and a past president of the IUSD Alumni Association.

1939 • Wilson Livingston (DDS), Sarasota, Fla., Feb 4, 1999

1940 • George Richardson Jr. (DDS), Marion, Oct 27, 1997

1940 • Clyde Wilson (DDS), Mentor, Ohio, Sept 5, 1998

1942 • Ally Burks (DDS), Carmel, Nov 18, 1998. Dr. Burks retired in 1992 after practicing for 46 years. In the early years of his career he also taught on the IU faculty in the department of Crown and Bridge and Partial Denture Prosthodontics. He was a Navy veteran of World War II. Dr. Burks is survived by his wife, Joan; children, Joseph and Edward Burks, Nancy Smith, Rebecca Ayres, and Catherine Huerkamp; and five grandchildren.

1942 • Aulden Knowlton "Bud" Bush (DDS), Rossville, Ill., Jan 31, 1998. Dr. Bush joined his father, **Edward Marshall Bush** (DDS'02) in practice in their farming community of Rossville. Aulden served in Korea in the Army Dental Corps from 1951 to 1953, then returned home to his family practice, which he retired from in 1987.

"He was an avid golfer (3 handicap), gifted woodworker, and ultimately a gentleman farmer," writes his son, **John Bush** (DDS'79), of Seattle, Wash. "He always reminisced fondly of his IUSD experiences, and greatly appreciated the opportunity provided by his education at IU."

In addition to John, Dr. Bush is survived by his wife of 49 years, Jane Chadwick Bush, who has

IU degrees from the School of Nursing and the School of Education; a daughter, Jan; and another son, Ed.

1943 • Melvin Klotz (DDS), Eustis, Fla., Feb 19, 1998

1945 • John Richards Jr. (DDS), Haines City, Fla., Feb 26, 1998

1948 • Bert Gilbert (DDS), Sarasota, Fla., June 8, 1998

1948 • Philip Giltner (DDS), Indianapolis, July 6, 1998. Dr. Giltner was a self-employed orthodontist for 27 years, retiring in 1991. He earned an IU certificate in orthodontics in 1964. Earlier in his career he had practiced general dentistry in Huntingburg and Marion. He taught at the IU School of Dentistry in the 1960s. He was a captain in the U.S. Air Force during the Korean War. Dr. Giltner is survived by his wife, Gerri; children, **David** (DDS'74) and Steven Giltner and Natalie Strater; and eight grandchildren.

1951 • William Burns (DDS), Sarasota, Fla., July 10, 1998

1951 • John Reichle (DDS), Connersville, Mar 17, 1998

1952 • Robert Tarplee (DDS), Indianapolis, Feb 1, 1999. Dr. Tarplee practiced in downtown Indianapolis for more than 45 years before retiring. He joined the IU dental school's part-time faculty the year of his graduation and continued to teach practice-management administration until 1988. In 1960 he earned an MSD degree in prosthodontics from IU. Dr. Tarplee was a past president of the Indianapolis District Dental Society. He helped finance and furnish a dental facility for homeless people at Wheeler Mission and helped provide dental equipment at Greenwood Village Manor Nursing Home, where he also volunteered. Dr. Tarplee was a Navy veteran of World War II. He is survived by his wife, Marjorie; and daughter, Sharon Rutan.

1952 • Charles Switzer (DDS), Indianapolis, Feb 12, 1999. Dr. Switzer was a member of the U.S. Public Health Service. He was an Army veteran of World War II. He is survived by his children, Gaye Sheridan, Priscilla Stroh, C.T. "Toby" Switzer, and Thomas Switzer; and eight grandchildren.

1960 • Richard Henry (DDS), Evansville, Nov 25, 1998. Dr. Henry was an oral and maxillofacial surgeon for 30 years. He was a retired captain in the Dental Corps, having served 32 years in the Navy. He was on the staffs at Welborn and St. Mary's hospitals for 25 years and was an adjunct faculty member at the University of Southern Indiana. He belonged to many dental and oral surgery organizations, including Omicron Kappa Upsilon national honor dental society, and was a member of the Experimental Aircraft Association. Dr. Henry is survived by daughters, Susan and Sarah Henry and Dana Janoski; his mother, Clara Henry; and three grandchildren.

1961 • Walter Doyle (MSD/Pediatric Dentistry), Lexington, Ky., Feb 13, 1999. Dr. Doyle practiced pediatric dentistry and orthodontics in Lexington for 35 years. He is a dental graduate of Emory University and a graduate of Boston University's orthodontic certificate program. He served on the dental school faculties of IU, University of Kentucky, Northwestern University, and Boston University. Dr. Doyle was the first in the world to earn diplomate status on both the American Board of Pediatric Dentistry and the American Board of Orthodontics through examination, and had served as both chairman and examiner of the American Board of Pediatric Dentistry, president of the American Society of Dentistry for Children, and president of the Southeastern Society of Dentistry for Children.

Dr. Doyle served as a lieutenant in the U.S. Naval Reserve. He was a fellow of the International College of Dentists, Royal Society of Health, and American College of Dentists, and a member of the Pierre Fauchard Academy. He received the Hinman Award for Leadership in Dental Progress twice. He founded Doyle Seminars in Orthodontics and Dentofacial Orthopedics, and the International Symposia in Orthodontics, which have more than 800 alumni.

1965 • Ralph Fox (DDS), Indianapolis, Feb 17, 1999. Dr. Fox was a self-employed dentist for 34 years. He was a Navy veteran of the Korean War. Through the Southwest Church of the Nazarene, he chaired a group that travels to foreign countries to build churches. He is survived by his wife, Deloris; sons, Monty, Bryce, and Brent; and seven grandchildren.

1966 • David Yater (DDS), Greenfield, Nov 16, 1998. Dr. Yater practiced in Anderson for 20 years. Survivors include his wife, Pattee; children, David "Sam" and Jennifer Yater and Elizabeth Whitted; and three grandchildren.

1969 • Michael Farkas (DDS), Indianapolis, Oct 9, 1998. Dr. Farkas practiced for 28 years. He was a former part-time instructor in IU's operative dentistry department. As a graduate of Hanover College, he held membership in Phi Gamma Delta. He also belonged to Omicron Kappa Upsilon national honor dental society. Dr. Farkas was an Army veteran of the Vietnam War. He is survived by his wife, Ann, and sons, Scott and Christopher.

1970 • William Eaton (DDS), Pryor, Okla., Aug 25, 1998. He is survived by his wife, Ellen Eaton.

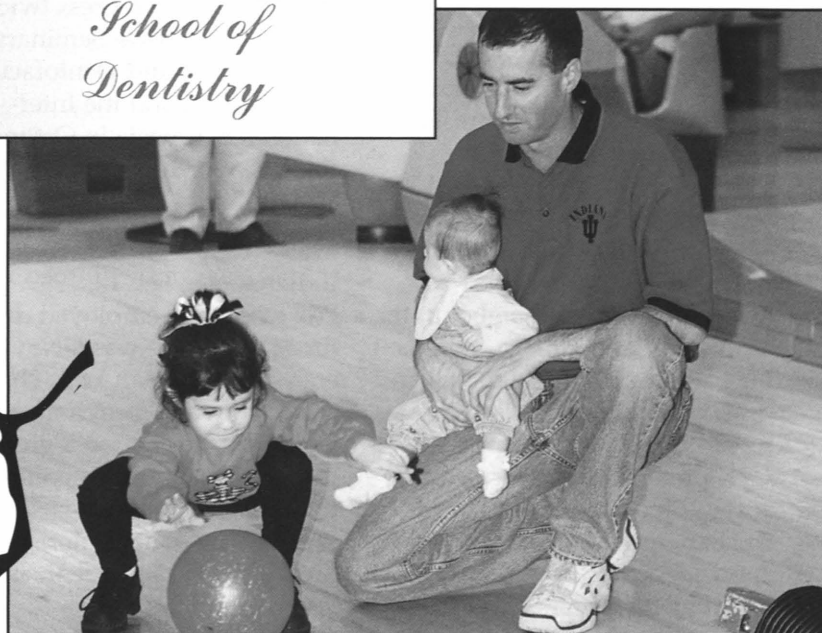
1974 • Donald Drone (DDS), Jasper, Sept 25, 1998. Dr. Drone had practiced in Jasper since his graduation from IU; he had been planning to retire in Blackhawk, Colo., where he owned a home. He was president of the Dubois County Board of Health and a U.S. Air Force veteran. Dr. Drone is survived by his wife, Kaye; daughters, Danette Wood of Castle Rock, Colo., Erinn Drone of Glenwood Springs, Colo., and Jenny Drone of Jasper; and his mother, Margaret Drone of Evansville.

1975 • Michael Muller (DDS), New Albany, formerly of Indianapolis, Feb 3, 1999. Dr. Muller had practiced oral and maxillofacial surgery in New Albany since 1978, the year he completed IU's certificate program in oral and maxillofacial surgery. He also earned an IU master's degree in the specialty, in 1980. He graduated with distinction from the DDS program, receiving the Glenn J. Pell Award in oral surgery and membership in Omicron Kappa Upsilon national honor dental society. Dr. Muller was a fellow of the American Association of Oral and Maxillofacial Surgeons as well as the American College of Oral and Maxillofacial Surgeons. He was on the staffs of Floyd Memorial, Clark Memorial, and Harrison County hospitals and the Medical Center of Southern Indiana. He was involved with a variety of educational and theatrical events in school and community organizations, including Providence and New Albany high schools, Clarksville Little Theater, and the Miss Indiana Pageant. He was an Eagle Scout and had been named a Kentucky Colonel.

Dr. Muller's survivors include his wife, Ina; children, Jennifer Aebersold and Meredith, Jeffrey, and Megan Muller; and his mother, Margaret Muller.

Having a "Ball" at the 56th Fall Conference

Welcome Alumni
*Indiana University
School of
Dentistry*



Rolling One:

Brooke Humphrey, 4, sets up a strike (while dad, James Humphrey, looks on intently and sister, Hannah, doesn't).



Staying on One:

Grads keep sharp through C.E.



Lobbing One:

Linda Purdy returns to sender.

Conference photos by Mike Halloran
and Susan Crum

The cold and the rain respectfully held off till Saturday. Up till then, alums and their families had basked for two days in Bloomington's typically spectacular fall temperatures and under some of its most exhilarating autumn skies. Alumni Association President James Shupe and his board of directors saw to it that there were plenty of ways to take advantage of dentistry's annual three-day getaway on the IU campus, and Director Stefan Davis's top-notch team from the IUPUI Office of Alumni Relations once again put its

expert touch on the 15+ events and activities that are collectively known as the IUSD Fall Dental Alumni Conference.

The weekend is set up so that the alumni can choose the events that interest them the most, and many participate in nearly everything. New in 1998 was a continental breakfast for the golfers, Bumper Bowling for the youngsters, and Saturday brunch under a Cream and Crimson tent at the Virgil T. DeVault Alumni Center.

D. Craig Brater, MD, chair of the IU School of Medicine's Department of Medicine, carried

the Continuing Education program, giving an informative talk about the effects of age and disease on drug response.

Assistant Football Coach Mark Deal addressed participants of Friday's Celebration Luncheon at the Indiana Memorial Stadium.

Dr. Shupe hosted a special reception in honor of the 50-year class—the distinguished Class of 1948. A sold-out evening banquet in the Indiana Memorial Union's Alumni Hall drew one of the largest audiences in memory, with tables fanning out into the adjoining Solarium to accommodate 420 guests. The Class of 1948 was cited for having the greatest turnout: 66 percent of its living members.

The bad weather settled in just in time to put a chill on Saturday's outdoor brunch and a damper on IU's football game with Wisconsin (which was won, unfortunately, by our friends to the north, 24-20).

But, faithful participants of the Fall Conference don't linger on losses; they look ahead to the next opportunity for friendship, fellowship, and fun. And soon after the close of the 1998 affair, the board of directors was already hard at work with the Office of Alumni Relations planning the dental alumni's 57th get-together, which promises to be one of the best.



Putting One:
Scott Kapers takes aim.



Scoring One:
Arnold Dunfee (right) collects a Hoosier prize—the autographed IU football—from President James Shupe.





IUSD Alumni Association Board of Directors

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Past Presidents

BACK: Robert Modlin (DDS'59), Roger Isaacs (DDS'69), John Wells (DDS'66), Richard Ellsworth (DDS'73), John Rahe (DDS'63), Charles Gish (DDS'49), Bob Lindborg (DDS'43), Buck Buchanan (DDS'51), H. William Gilmore (DDS'58), and James Frey (DDS'62). FRONT: Malcolm Boone (DDS'46), Les Tweedle (DDS'60), Gary French (DDS'57), and Charles Pope (DDS'43)

Awards

Distinguished Alumnus

Ronald J. Billings
Rochester, N.Y.

After earning three degrees from Indiana University (BA'66, DDS'69, MSD'76/Preventive Dentistry), Dr. Ronald Billings embarked upon a widely respected career in education and research.

He received a National Research Service Award from the National Institutes of Health to study cariology at the University of Minnesota from 1976 to 1979. Over the years he has held faculty appointments at Minnesota as well as IU, the University of Texas Dental Branch at Houston, and since 1984 at the University of Rochester Eastman Dental Center in New York.

At the end of 1998 Dr. Billings stepped down from his position as director of the Eastman Dental Center. "Having had the opportunity to be director of the Center for the last five years and to have led the organization through its merger with the University of Rochester have been the highlights of my 30-year career in dentistry," he said in November. He remains at the Center as director emeritus and plans to continue teaching and conducting research.

Dr. Billings has participated in more than 30 federally or commercially funded research projects. He holds a patent jointly with three other investigators for an intraoral medication-releasing system. He is currently the principal investigator of an NIH-funded grant to study the risk of caries onset in children. He is also co-investigator on a program project grant to study the relationship between peptides from human parotid gland secretions and dental caries.

Dr. Billings has served on a number of manuscript review panels for various journals and has been author or co-author of more than 60 publications and abstracts. He was a member of the editorial review board of the *Journal of Dental Education* for six years. He has served as a special reviewer of grants and contracts for the National Institute of Dental Research and on the Institute's special projects and small grants study section.

He is a fellow of the Pierre Fauchard Academy and the American College of Dentists. He has presided over the Rochester Section of the American Association for Dental Research and the Cariology Group of the International Association for Dental Research. He is a member of the Seventh District Board of Directors of the New York State Dental Society and the New York State Council of Dental Deans.

As a teacher in such fields as cariology, preventive dentistry, and epidemiology, Dr. Billings has been a research adviser to undergraduate, graduate, and post-graduate students.

REMARKS: It is a privilege and an honor to be selected to receive this award. I am grateful to Dr. Roger Isaacs, classmate, colleague, and longtime friend, who nominated me; and to my mentors, Drs. Brad Beiswanger, Simon Katz, George Stookey, Lee Brown, and Dennis Leverett, whose unconditional support and encouragement shaped my career in ways I could never have imagined.

As I read the letter informing me of this award, I thought about the career I had envisioned at the outset: small town, private practice, community service. However, I didn't anticipate my reaction to the plight of young children and aging adults with acute, rampant dental caries. My feelings of frustration and inability to prevent further damage to the dentition of individuals, who looked to me to do just that, fueled my early interest in preventive dentistry.

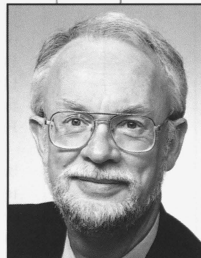
And so, I returned to the IU School of Dentistry's Oral Health Research Institute, confident that if I just knew a little more about the nature of dental caries, I could return to practice armed with all of the weapons I would ever need to deal definitively with this disease. Well, it's nearly 30 years later, and I'm still learning.

Even though a research-based academic calling is not what I had in mind when I returned to graduate school, I have had, in so many unexpected ways, a wonderfully fulfilling career. I truly believe much of the success I have enjoyed as a scientist and educator is due in large measure to the superb training I received at IUSD/OHRI.

Although I didn't think about it at the time, I was, in fact, given all of the weapons I would ever need to deal with dental caries, albeit in research. Thus armed, I was able to take part in studies that have helped advance our knowledge about the treatment and prevention of this insidious disease.

Whenever I am called upon to speak about my work, I am quietly, but unabashedly, proud to be introduced as an Indiana University graduate. Our school has had its share of remarkable contributions toward the improvement and preservation of oral health including, of course, the world's first fluoride-containing dentifrice for the prevention of caries. Given the school's outstanding leadership, committed faculty, and loyal alumni, IUSD is not only poised to continue its long tradition of excellence in the years ahead, but to be recognized by its peers as the model for innovative teaching, research, and patient care in the 21st century.

To the IUSD Alumni Association—thank you for this honor. To the IUSD faculty—thank you for the education and opportunities that led me to this career path. I dedicate this award to you.



Dr. Billings

Distinguished Service

Hala Zawawi Henderson
Indianapolis

Dr. Hala Henderson established her strong ties with the IU School of Dentistry in the 1950s, when she arrived to work on the first of two Hoosier degrees (MSD'59/Pediatric Dentistry, DDS'70). She had previously earned a dental degree at Bombay University in her homeland of India, and completed a fellowship at the Guggenheim Foundation in New York City.

She spent part of the time in between her IU enrollments teaching at Bombay University for a year and then heading the dental section of the School Health Department of the Ministry of Health in Kuwait for eight years. She joined the IU faculty soon after earning her dental degree here, stepping onto a track that led to many distinguished leadership positions at the school and in organized dentistry.



Dr. Henderson

Dr. Henderson chaired IU's undergraduate pediatric dentistry program for 11 years. She became the first woman at IUSD to attain the rank of associate dean, being appointed as associate dean for student affairs in 1990. The year 1994 was undoubtedly the zenith of her career: In addition to her associate deanship, she was named acting

associate dean for academic affairs; she became the first woman to serve as president of the College of Diplomates of the American Board of Pediatric Dentistry; and she also accepted the presidency of the American Society of Dentistry for Children.

Dr. Henderson holds fellowship in the American College of Dentists and in several pediatric dentistry organizations. She was the Indianapolis District Dental Society's Honor Dentist in 1997. The many consulting positions she has held include that of dental healthcare delivery adviser for the Ministry of Health in the Sultanate of Oman, Arabia, and pediatric dentistry consultant to the American Dental Association's Commission on Dental Accreditation.

After retiring from IU in 1996, Dr. Henderson demonstrated her truly exceptional dedication to IU by returning in a voluntary capacity to serve for several months as acting chair of the Department of Oral Facial Development.

Two weeks after the Fall Dental Alumni Conference, Dr. Henderson was honored in Beaver Creek, Colo., with the American Society of Dentistry for Children's Teuscher Award, which recognizes one person annually for leadership and contributions to both the ASDC and the profession at large.

REMARKS: Forty-two years ago, I started my graduate program in pedodontics (now pediatric dentistry) at Indiana University School of Dentistry. Dean Maynard Hine's office was hallowed ground! How could I even dream that 37 years later, when I assumed the responsibility of associate dean for academic affairs, I would be in that office myself.

Dean Ralph McDonald was chair of the pedodontic department during my residency. Each time I am recognized professionally, or achieve a goal, I must acknowledge

this great educator, compassionate human being, and true friend. Twenty-eight years back, I joined the IUSD pediatric dentistry faculty, and Dr. Paul Starkey took me under his wing. The individuals I have named, and many others too numerous to mention individually, have had a great impact upon my personal growth and professional achievement.

Emulating these mentors allowed me the opportunity to serve, as they had done before me. IUSD afforded me the opportunity to be an active participant in organized dentistry and my specialty. For this I will be eternally grateful. I learned that learning and teaching can be rewarding activities: getting involved, assuming responsibility, and giving of ourselves.

I can still see myself, in my mind's eye, as a young, naïve dentist from a faraway land who came to these shores full of anticipation, hope, and yearning. I have not been disappointed. Instead, I have been nurtured, gratified, privileged, and humbled.

Receiving the IUSD Alumni Association Distinguished Service Award is a distinct privilege. When I attended IUSD as a graduate student in the late '50s, and then came back and completed my DDS requirements in 1970, I felt that every possible privilege had already been bestowed upon me. IUSD faculty, graduates, students, staff, and patients have all had an impact upon my life.

When Mark Deal, assistant football coach at Indiana University, addressed dental graduates at the Fall Dental Alumni Conference, he spoke of his "passion for Indiana University." I can relate to that! I believe I have a passion for Indiana University School of Dentistry. I recently retired from my academic position. However, IUSD has been a part of my life for decades, and I can assure you that it will continue to be a part of my being.

Thank you for this special recognition, and God Bless.

Honorary Member

Shant Markarian South Bend

Under Dr. Markarian's expert and caring directorship, Dental Education on the Indiana University South Bend campus developed and flourished for 18 years.

Although he retired from this post in June 1998, Dr. Markarian continues to support the program as an associate professor and devoted educator.

Before moving to Indiana, Dr. Markarian was a longtime practitioner in Milford, Mass., and part-time professor at Tufts University in Boston. He was educated at Brown University (AB), the University of Pennsylvania (DDS), and Thomas Jefferson University Hospital, Philadelphia (Oral Surgery Certificate). He was a captain in the U.S. Army Dental Corps from 1959 to 1961.

Dr. Markarian accepted the director's position at South Bend in 1980 and went on to serve, in the words of one of his colleagues, with "integrity, steadfastness, and compassion." He is credited with leading an extended period of growth for the IUSB dental program, developing and guiding a long-range plan for upgrading and maintaining equipment in the dental assisting and dental hygiene clinics. Today both clinics are state-of-the-art facilities. During his tenure as administrator he directed the dental assisting and dental hygiene programs through two successful accreditation site visits.

Dr. Markarian earned a master's degree in public health administration from IU in 1988. He is keenly aware of the importance of educational institutions' making a strong connection with the community. He has been an

effective liaison between IU and the North Central Dental Society, the South Bend Dental Hygienists' Association, and the South Bend Dental Assistants' Association. A former president of the NCDS, he assisted in the group's development of a scholarship for South Bend's students of dental assisting and invited many NCDS members to address South Bend's classes over the years on a variety of oral healthcare topics.

Dr. Markarian is a fellow of the International College of Dentists and a member of Pi Alpha Alpha national honor society for public affairs and administration. He has been honored by the American Heart Association in St. Joseph County for his outstanding service in advancing the heart program. He is valued by his co-workers for his uncompromising ethics, love of learning, and rich sense of humor.

REMARKS: Since joining Indiana University South Bend in 1980 as director of Dental Education, it has been my good fortune to have an outstanding faculty, serious-minded students, first-rate libraries at IUSB and the School of Dentistry, supportive administrations at both campuses, and funds for new equipment. Graduates of our programs, by and large, derive satisfaction from their chosen fields.

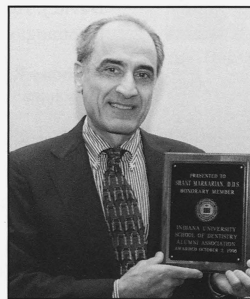
Our faculty maintain a student-centered learning environment that is characterized by high expectations of student performance and adherence to clearly articulated principles of professional practice and conduct.

Dentists, assistants, and hygienists in our community serve faithfully as adjunct faculty, guest speakers, and members of advisory committees. They recruit applicants to our programs and refer patients to our clinics. They are generous donors. North Central Dental Society has awarded \$15,000 in

grants to IUSB dental assisting students. Participating dentists enable us to meet accreditation standards by providing extramural clinical experience for students in dental assisting, and supervisory and diagnostic services in hygiene clinical sessions.

In expressing my appreciation to the School of Dentistry Alumni Association—and to North Central Dental Society for nominating me for the Association's 1998 honorary membership award—I wish to extend my gratitude to all those individuals who, by their collective efforts through the years, have made IUSB Dental Education a truly enviable place for students to obtain the knowledge and skills they will need to gain entry to a very desirable profession.

I am proud to have been selected for this award, to be part of Indiana University School of Dentistry, and to become a fellow alumnus as an honorary member of the IUSD Alumni Association. A special honorable mention, too, to my mother and father.



Dr. Markarian

IU School of Dentistry Alumni Association

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Daniel E. White (DDS'79)
South Bend

Indy Orthodontist George Vail Accepts Association Presidency

Dr. George H. Vail became president of the Indiana University School of Dentistry Alumni Association at the close of the 56th Fall Dental Alumni Conference. He will preside until the end of this year's conference, scheduled in Bloomington September 30–October 2.

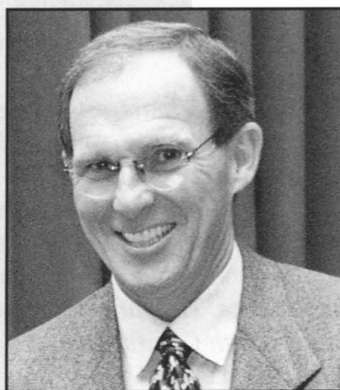
Dr. Vail is an Indianapolis orthodontist who was raised in Lawrenceburg. He received a bachelor's degree from DePauw University, where he was a Rector Scholar and a numeral winner in intercollegiate basketball. He graduated with high honors from the IU School of Dentistry in 1969, receiving a number of awards including the Alpha Omega Award for graduating first in his class scholastically. After earning an MSD degree in orthodontics from IU in 1971, Dr. Vail served as a captain in the U.S. Air Force in Okinawa, Japan.

The IUSDAA presidency is one of several that Dr. Vail has assumed during his notable career. He is a former president of the Indianapolis District Dental Society, Indiana Association of Orthodontists, and the IUSD Orthodontic Alumni Association. He was founding president of the Indiana Foundation of Dentistry for the Handicapped, serving in that capacity from 1991 to 1998.

Dr. Vail is a former trustee of the Indiana Dental Association and an assistant professor in IU's graduate orthodontics division. He is a member of Beta Beta Beta Biological Honorary society, Omicron Kappa Upsilon honor dental society, and the Pierre Fauchard Academy. He holds fellowship in the International College of Dentists.

A mountain-climbing enthusiast, Dr. Vail has summited Mount Fuji (1973), Mount Rainier (1980, 1983, 1997), and Mount Kilimanjaro (1996), and has attempted summits of Monte Rosa (1994) and Mount McKinley (1998).

Dr. Vail and his wife, Beverly Ann, have three children: G. Matthew Vail, MD; E. Scott Vail; and Karen R. Vail. Their daughter-in-law (Matthew's wife) is Mychel M. Vail (DDS'95), an IU clinical assistant professor of operative dentistry.



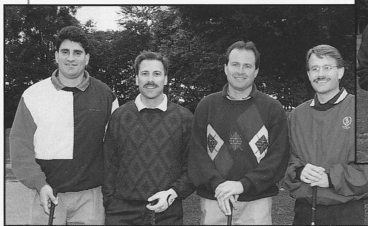
Dr. George Vail

Huckelberry Golf Scramble

And the Winners Are



1st Prize: Doug Spaulding, Jon Susott, and Dave Walden. Dr. Susott was a co-winner in the "closest to the pins" category.



2nd Prize: Brad Laconi, Jeff French, Kirk Ripley, and Steve Rasmussen



Winner of the Skins Game: Daron Sheline, Chad Leighty, Scott Kapers, and Steve Hollar



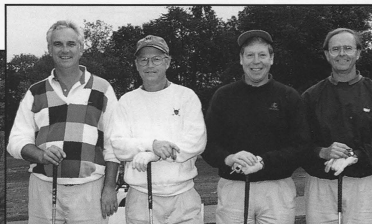
Norm Novak, Tom Lapp, Phil Pate, and Bill Clarida. Dr. Pate was a co-winner in the "closest to the pins" category.



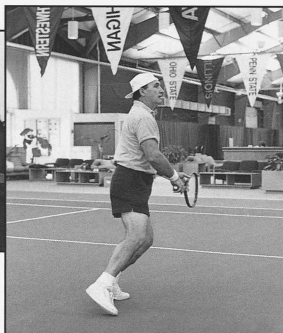
Tom Kapczynski, Paul Keller, George Kirtley, and Charles Keever. Dr. Kirtley hit the longest drive.



Walter Wilson, Robert Rock, Robin Roberts, and Ermal Wilkinson. Dr. Roberts won the \$100 raffle.



Tom Ley, Paul Bivens, Richard Schneider, and Nolan Allen. Dr. Schneider completed the longest putt.



Tennis

Tennis coordinator Suzy Gardner reported that Anatoly Lubarsky (pictured) won in the Level 3.0 category, while Lynn Gassoway and Al Reichle took the honors in Levels 3.5 and 4.0, respectively.

\$2,000 for Scholarships

The 1998 James Huckelberry (DDS'24) Memorial Golf Outing, coordinated by Dr. James Cahillane and played on the Indiana University Golf Course, was enormously successful. Nearly 100 golfers entered the competition, with holes being sponsored by a variety of companies. More than \$2,000 was raised for the IUSD Alumni Association Scholarship Fund for IU's dental students. The annual golf outing is named for the Indianapolis dentist who worked with IU to establish the Fall Dental Alumni Conference in 1942.

We thank the following groups for generously sponsoring the Huckelberry Scramble:

Heraeus Kulzer Inc.

Dental Associates
James Cahillane, DDS
Kathy J. Stetler, DMD, MSD

Eagle Soft Select & Chairside Software

W. Lorenz Surgical, Inc.

Patterson Dental Supply

Delta Dental Plan of Indiana

Ito & Koby Dental Studio

Somer Dental Laboratories
(sponsor of 2 holes)

Honor Class of 1948



Carl Kohlmann, George White, Joseph Karpinski, Albert Giordano, Robert Avery, Jerome Schindel, Max Burke, and Arthur Haacke

Honor Class 1948 Living Members

*Robert Avery**
Michigan City

*Max Burke**
Carmel

Vernon Crosswhite
North Hollywood, Calif.

Richard Edwards
Goodyear, Ariz.

*Albert Giordano**
Cape Coral, Fla.

*Arthur Haacke**
Dayton, Ohio

*Joseph Karpinski**
Auburn, N.Y.

*Carl Kohlmann**
Indianapolis

*Jerome Schindel**
Albany, Indiana

Philip Whisler
Largo, Fla.

*George White**
Nashville, Tenn.

Alice (Mrs. Thomas) Boyd, Muncie, was the Honor Class's special guest. Dr. Boyd was a member of the Class of 1948. He died in 1985.

**Conference participants*



ROBERT D. AVERY



PAUL A. BADELL



THOMAS M. BOYD



MAX CURTIS BURKE



CALVIN C. CHRISTENSEN

Indiana University



RICHARD S. EDWARDS



PHILIP C. GILTNER



ARTHUR J. HAACKE



ROBERT H. MARLETTE



VERNON J. CROSSWHITE



BERT W. GILBERT



ALBERT R. GIORDANO



JOSEPH F. KARPINSKI



CARL KOHLMANN
D.D.S.

JOSEPH MUHLER
D.D.S.

Class

1948



ELIZABETH A. GRAVES



PHILIP W. WHISLER
D.D.S.

FRED W. HAMP
D.D.S.

School of Dentistry



JOSEPH C. NOLAN



JEROME H. SCHINDEL



HAROLD W. SMILEY



GEORGE K. WHITE

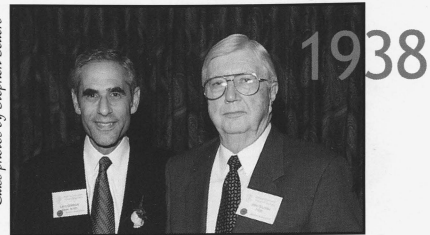


WILLIAM WINER

23 in '48. The graduating class, starting with the 5 at center: Carl Kohlmann and Joseph Muhler (top), Elizabeth Graves, and Philip Whisler and Fred Hamp. Clockwise from upper-left corner: Robert Avery, Paul Badell, Thomas Boyd, Max Burke, Calvin Christensen, Richard Edwards, Philip Giltner, Arthur Haacke, Robert Marlette, William Winer, George White, Harold Smiley, Jerome Schindel, Joseph Nolan, Joseph Karpinski, Albert Giordano, Bert Gilbert, and Vernon Crosswhite.

Reunion Classes

Class photos by Stephen Sellers



Lawrence Goldblatt, Dean of Dentistry, with 1938 graduate John Scudder

Jean Spear, Charles Pope, Noble Sevier, William Aitken, Bob Lindborg, and James Zimmerman

1943



1953



BACK: David Lehman, Thomas McKean, Arnold Dunfee, William Meek, and Thomas Tanner. FRONT: William Peet, James "Leroy" Holder, Francis McCormick, Hollis Sears, Charles Bewick, and William Conrad

BACK: James Ruble, William Gillig, Walter Leuenberger, Donald Traicoff, Thomas Kaminski, John Turchi, and B.J. Poindexter. FRONT: William Gilmore, Robert Mattern, Jack Boyd, Bill Hart, Peter Kesling, and William Allman

1958



1963



BACK: Ted Fullhart, Charles Hayes, Robert Becknell, Richard Osburn, Walter Wilson, Steve Michael, Donald Dicks, Hugh Smith, Clifford Salk, Robert Schmidt, John Wilhoite, and Jerry Lambert. MIDDLE: John Rahe, William Risk, Keith Yoder, Richard Cowan, Ronald Hunt, Roy Simpson, Robert Rock, and William Teschner. FRONT: Cecil Alumbaugh, Ermal Wilkinson, Douglas Badell, Robin Roberts, Thomas Doty, Philip Drake, Richard Gore, and Al Corns



BACK: Joseph Grider, Richard Rudicel, Robert Schreck, Cletis Foster, Hank Feinberg, Robert Bonham, David Wheeler, and William Clarida. FRONT: Norman Novak, Robert Rimstidt, Virginia Crose, Michael Boyd, Richard Danishek, Phillip Pate, Charles Simons, and Charles Soderquist



BACK: Nolan Allen, Tom Ley, Paul Bivens, Patrick Stetzel, Richard Schneider, and Richard Ellsworth. FRONT: John McDonald, Hal Smith, Nilda Sangalang, Howard Mohler, and Leonard Scott



BACK: Erich Brewer, Philip Gardner, Michael Smith, Carey McLaughlin, Christopher Peeler, Leslie Brooks, Bruce Jordan, Matt Logmann, Paul Keller, Gerald Griffin, Thomas Kapczynski, George Kirtley, and Steven Graham. MIDDLE: Timothy Carlson, James Cahillane, Charles Keever, Joe Kartje, Karl Frey, Jay Hollander, Robert Sluka, Jeff Starr, and James Souers. FRONT: David Llewellyn, Dennis Block, Dayn Boitet, Daniel Bade, John Pfefferle, Anita Murray-Clary, and Diana Moorman



BACK: Howard Stevenson, David Buck, Jon Susott, and Jay Asdell. MIDDLE: Bruce Lachot, Brad Wilson, Guy Fortier, Philip Roach, David Walden, Karl Glander, and Richard McBride. FRONT: Jeffrey Dean, David Clark, Frederick Steinbeck, Lynn Bowen, Kim (Badell) Wilson, Douglas Spaulding, Michele Friedl, and Michel King

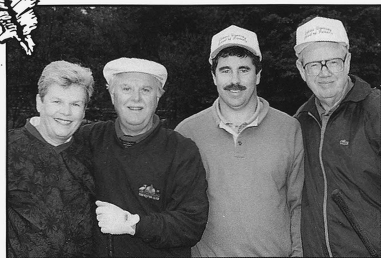


BACK: Phillip McDonnell, Kenneth Arnt, James Humphrey, Dennis Jenkins, Reed Johnson, Kevin Neal, Scott Barrix, Thomas Quill, Thomas Teel, Todd Stipp, Richard Burns, and Michael Stroncsek. MIDDLE: Carole Thiemann, Jeffrey Meyer, Lawrence Weaver, Thomas Dunn II, John Wadas, William Hopkins, Richard Emerson, and Robert Eversole. FRONT: Jeffrey Meister, Steven Coppes, Kevin Hale, Bonni Boone-Wong, Marci (Forchetti) Arnt, Sandra Bacon, Jennifer Kugar, Diane (Todd) Arel, Marie Holt, and Kathryn Ver Brugge



BACK: David Compton, Scott Kapers, Timothy Gibson, and Chad Leighty. FRONT: Matthew Pate, Steven Hollar, Liz Elliott-Bryant, Julie Gaydos, and Daron Sheline

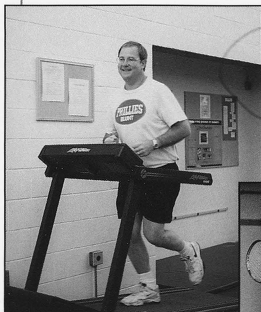
One Last Look



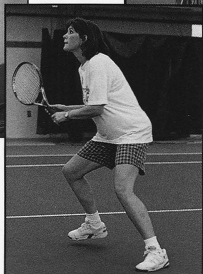
James Shupe (second from left) wrapped up his year as Alumni Association president. He poses here with his wife, Marty, and alums Geoffrey Velpel and Lee Schaffer.



Jay and Rulan Asdell, Suzy and Phil Gardner, Anatoly Lubarsky, Connie and Arthur Haacke, Nancy Modlin, George Vail, Linda Purdy, William Peet, and Lynn Gassoway and Al Reichle

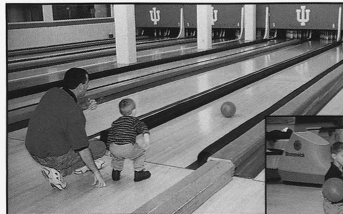


Phil Gardner runs for it at the IU Tennis Pavilion.

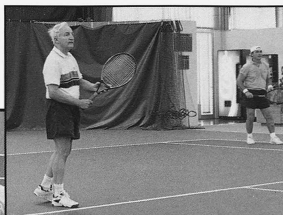


Rulan Asdell prepares for one on its way.

Garrett Humphrey, 3, sends a well-centered ball down the alley under the guidance of Papa Jim.



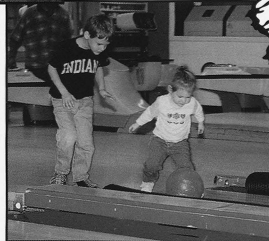
Devin Jenkins, son of Dennie and Jolie Jenkins, sees 10 pins with his name on them.



William Peet doesn't let the photographer break his concentration.



Tish Teel, Steve Pritchard (top photo) and George Vail (at left in left photo) join bike tour coordinator Ken Hyde on the scenic route to Lake Lemon.



A true gentleman, Spencer offers baby sister Darby first dibs on the returned ball. They are the children of Barry and Sharon Ray.



Bike tour photos by Roger Isaacs

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