

INDIANA UNIVERSITY
SCHOOL OF DENTISTRY

Alumni Bulletin

VOLUME 13, NUMBER 3 • 1999

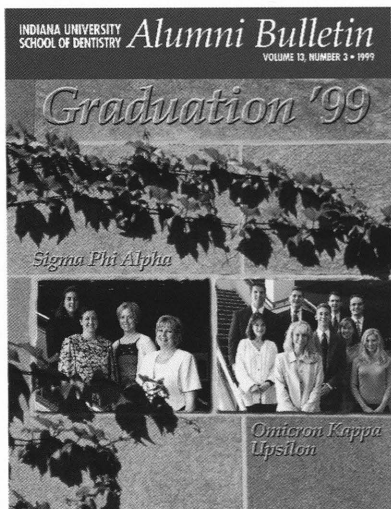
Graduation '99

Sigma Phi Alpha



Omicron Kappa Upsilon

On the Cover



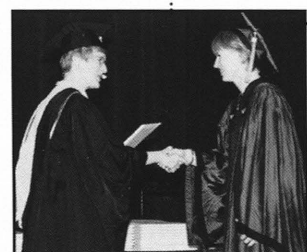
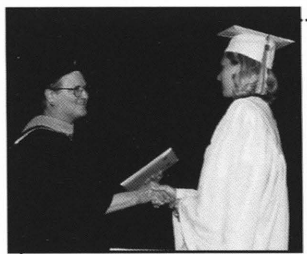
14 Fine Grads. Among the series of programs that salute the IU School of Dentistry's graduates each spring is the banquet for inductees of the national dental and dental hygiene honor societies. This year's banquet, held at University Place Hotel on April 13, welcomed 14 outstanding new dental professionals into the fold.

In the photo at left, new members of Sigma Phi Alpha honor dental hygiene society, Theta Chapter, from left: Camile E. Schaeffer, Susan K. Whitlow, Kimberly D. Boger, and Laura L. Coakes.

In the photo at right, new members of Omicron Kappa Upsilon honor dental society, Theta Theta Chapter, back row from left: Joseph D. Spires, Robert W. Long, Tyler J. Potter, and James W. Blackburn; front row, from left: Heather Wheat Largura, Sonya A. Shively, Chad O. Hazelrigg, Angela L. Greenaway, and Jennifer A. Miller. Not pictured is Michael J. Silverman. Tyler Potter was named OKU's Outstanding Student.

Coverage of graduation 1999 begins on page 4.

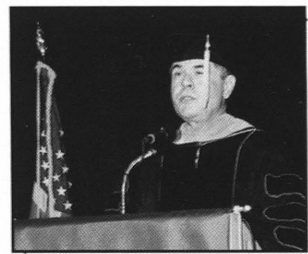
FEATURES



4

THE END OF THE BEGINNING

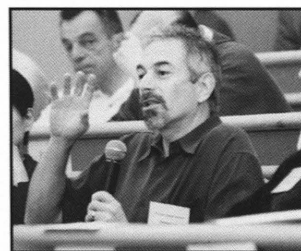
School's out for the 1999 grads, who pause for photographs before journeying on to their careers in dentistry



12

AN IU LEGACY TO BE LEADERS IN THE PROFESSION

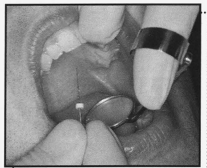
By special request from the DDS Class of 1999, Charles Tomich gives the farewell address at graduation



24

DENTAL CARIES RESEARCHERS REVISIT TOPIC AT '99 MEETING

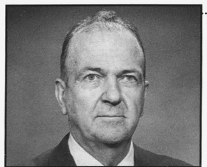
Three years after the first international gathering, the Indiana Conference takes another global view of studies on the early detection of dental caries



34

NEW MIRROR LENDS A HELPING HAND

*A little mirror holds out
big hopes for the IUSD
alumnus who invented it*



38

SAYING GOODBYE TO 'THE PROFESSOR'

*IUSD mourns Professor
Emeritus Paul Barton*

DEPARTMENTS

- 2 From the Dean
- 3 Development Matters
- 14 1121 West Michigan
- 27 Grad Student Profiles
- 28 On Course
- 30 Classes

For business related to the IU Alumni Association, write to:

Karen Deery
IUPUI Office of Alumni Relations
850 West Michigan Street, Suite 241
Indianapolis, IN 46202-5198

voice mail: (317) 274-8959
fax: (317) 274-5064

The *Alumni Bulletin* is a complimentary publication produced by the Indiana University School of Dentistry and directed to all members of its alumni. There are three issues each year, including a special issue annual report. Material included herein does not necessarily represent the official position of the school.

For business related to the *Alumni Bulletin*, write to:

Susan Crum
Indiana University School of Dentistry
Publication's Office, Room 104
1121 West Michigan Street
Indianapolis, IN 46202-5186

voice mail: (317) 274-8135
fax: (317) 274-7188
e-mail: bulletin@iustd.iupui.edu

Calls related to other dental school business should be directed to the school's general information line: (317) 274-7957.



Publication member of the
American Association of
Dental Editors

INDIANA UNIVERSITY SCHOOL OF DENTISTRY ALUMNI BULLETIN VOL. 13, NO. 3, 1999

Publications Staff

EDITOR
Jack E. Schaaf (DDS'75, MSD'78)

MANAGING EDITOR
Susan M. Crum

DESIGNER
HeldDiedrich Advertising Communications

PHOTOGRAPHER
Thomas C. Meador

STAFF ILLUSTRATOR
Mark A. Dirlam

IUSD Alumni Association Officers

PRESIDENT
George H. Vail (DDS'69)

PRESIDENT-ELECT
Barry W. Ray (DDS'80)

IMMEDIATE PAST PRESIDENT
James A. Shupe Sr. (DDS'62)

VICE PRESIDENT
Phillip R. Pate (DDS'68)

SECRETARY-TREASURER
Frederick L. Spath (DDS'77)

EXECUTIVE COUNCIL REPRESENTATIVE
Robert N. Modlin (DDS'59)

From the Dean

My Dear Friends and Colleagues,

As you read this letter, autumn will be upon us once again in Indiana. Another spring and summer have seen a flurry of activities characterizing the growth and advancement of our School of Dentistry. The class of 1999 has graduated, enriching our profession with bright, talented, and energetic new members, including 92 dentists, 44 dental hygienists, 24 dental assistants, and almost 30 new specialists and other advanced-training professionals.

The first class taking our new curriculum has entered the third year of dental school and with it the challenge of day-to-day clinical dentistry. By the same token, our faculty and staff now face the challenge of guiding the learning of a new generation of young professionals; new not only in the sense of being the so-called "X" generation, but also in being the first to be trained so extensively in the skills of critical thinking, continuing inquiry, and evidence-based decision-making. As a faculty we will be challenged indeed by these wonderful students, and grow even faster as faculty because of it.

As usual, in this issue of our *Alumni Bulletin* you will read of a number of significant events occurring within the IUSD family. Of particular note is the story of the successful quest of one of our dental alumni, Dr. Stephen Ballard, to introduce an innovative new instrument into our profession, partnering with IUSD in the marketing of that instrument.

We also mark the retirements of Ora Wade and Mike Halloran, both longtime members of our

IUSD family and known to so many of our readers. Finally, of special note is the passing of Professor Paul Barton, longtime professor of community dentistry and journalism at our dental school. Although he retired in 1988, Paul made a lasting and brilliant contribution to our scholarly life here at IUSD for more than 20 years. He was truly a friend to everyone and will be sorely missed by all of us who had the privilege and pleasure of knowing him.

Our 1999 accreditation is now all but history, with all its hard work and fulfillment. We have much to be proud of as a school and as the source of renewal for our profession. We will of course continue to refine the educational, research, and patient care programs we have worked so hard to develop. At the same time, however, we must turn our attention to the future and broaden the angle of our vision to include some additional critical issues facing dentistry and dental education, especially those issues that we at IUSD have a unique opportunity to influence.

For example, it is time to take a new look at dental and population demographics to be as certain as we can that we stay "ahead of the curve" in our planning to appropriately address manpower needs and diversity in the professions. We need to do all we can to forge strategic partnerships to continue to attract to dentistry the finest young people of the upcoming generation. We must endeavor to improve our understanding of the differences between generations of students, faculty, and patients in order to continue to create top-notch

professionals who can serve their patients and their profession to the very best of their ability.

We need to play our part, which will be large, in promoting the growing movement toward truly evidence-based dentistry. We must also exercise our professional and personal responsibility to engage in outreach, near and far, for all those whose access to oral healthcare is limited. Few activities provide such a rich learning experience for professional students.

We must make dental education affordable and minimize the educational debt burden, which has such potential to limit career options after graduation. And we must do our part to make entry into and portability within the profession more rational while supporting the responsibility of the state to protect the public through appropriate regulation of the professions. We must not only continue but also expand our capacity and competitive edge in providing to our alumni and many other friends and colleagues locally and around the world the finest in life-long learning. And finally, we must take a new look at the entire dental team, and how to train, support, value, and reward each member of that team as together we serve our patients better every day.

Much remains to be done, and an exciting future lies ahead. I look forward to sharing it with you. Thank you again for the privilege of being your dean. I'll write again soon. You do too.

Lawrence I. Goldblatt, DDS, MSD
Dean



July 14, 1999

Development Matters

Lend me the stone strength of the past and I will lend you The Wings of the Future...

Robinson Jeffers

One couple's careful planning leads to personal security and a generous gift for Indiana University

Years ago, an Indiana University professor and his wife invested in a small amount of stock, hoping that it would provide them with supplemental income during their retirement years. He earned a good living as a School of Dentistry faculty member, with his job turning into a life-long career. The stock they had purchased in the early 1950s also did well.

When retirement came, the couple found that IU's retirement plan provided them with enough income to live comfortably; so they decided to keep the stock they had purchased years earlier for a "rainy day."

Time passed. In reviewing their estate plans last year, the couple realized the stock they had bought long ago had grown through several corporate mergers, split many times, and greatly jumped in value. It was now worth \$275,000. Unfortunately, it was yielding a return of 1.5 percent annually, and they knew they could be getting a far higher rate of return through some other investment.

They hoped to use the money tied up in the stock to meet two objectives. First, they wanted to make sure they had enough money to live on comfortably for the rest of their lives.

Secondly, they wanted to give to IUSD, which had been so much a part of their lives.

They explored selling the stock and reinvesting the proceeds in a higher-yielding investment. However, they soon discovered they would have to pay a 20 percent capital gains tax, and the income from the new investment would be taxed at their current high rate. After discussions with the IUSD Development Office, they decided to avoid paying these costly taxes while at the same time fulfilling their desire to assist the School of Dentistry.

At the annual IUSD Donor Reception last May, Dean Goldblatt announced the couple's decision to establish an anonymous Charitable Gift Annuity. They designated their gift for the Ralph E. McDonald Professorship in Pediatric Dentistry.

The professorship, which is a work in progress, is named for one of the IU dental school's most gifted and respected administrators, scholars, and teachers of pediatric dentistry. Dr. McDonald served with distinction as IU's dean of dentistry for 17 years, beginning in 1968. A 1944 dental graduate of IU, he devoted 39 years to the education of thousands of IU's students of dentistry. He retired as professor and dean emeritus in June 1985.

The annuity accomplished the couple's two goals. They are now feeling more secure knowing they have a guaranteed annual income of 7.4 percent of the \$275,000 gift for the remainder of both of their lives instead of the

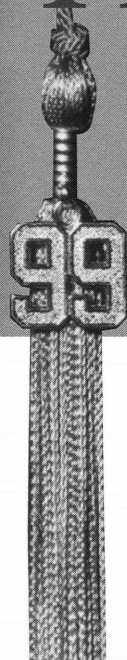
1.5 percent annual return on their stock. The gift also provides five years of significant income tax deductions and allows them to avoid the 20 percent capital gains tax. Also important to the couple was their personal commitment to assist the Indiana University School of Dentistry, which they have done with a gift of \$275,000.

Whether or not this scenario fits your situation, the Development Office at IUSD can help you with estate-planning options that could greatly benefit you and your family. Don't wait until it is too late. Call us now and start planning for the future.

TO CONTACT THE DEVELOPMENT OFFICE:

Paul St. Angelo
Development Office
Indiana University
School of Dentistry
1121 West Michigan Street
Indianapolis, IN 46202-5186
(317) 274-3246
pstangel@iUSD.iupui.edu

The End of the Beginning: Graduation 1999

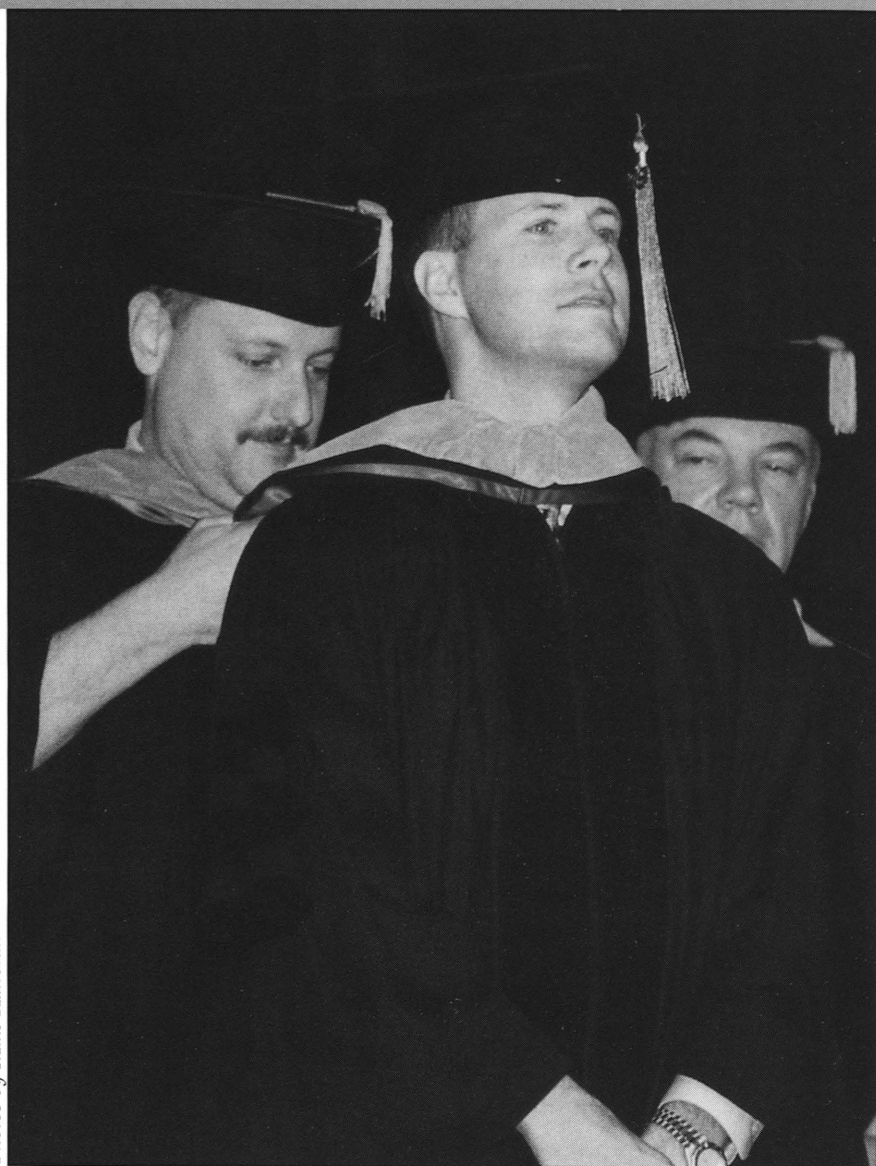


Graduation ceremonies this spring were punctuated once again by the rustling of a couple hundred gowns and a chorus of congratulations from family, friends, and associates of the School of Dentistry's newest alumni.

Several programs in April and May honored IUSD graduates, whose degrees and certificates were awarded at a School of Dentistry celebration at the Indiana Convention Center immediately following IUPUI Commencement exercises at the RCA Dome on May 9.

This year's post-commencement program, led by Dr. Lawrence I. Goldblatt, dean of dentistry, bore a creative touch that is uniquely the dental class of 1999's.

Each dental graduate was individually hooded by a faculty member as the graduate's parting remarks, composed before the program, were read to the audience by Dr. E. Brady Hancock, chair of periodontics and allied dental programs. The faculty selected by the dental class to perform the hooding ceremony were Dr. Charles E. Tomich, professor of oral pathology; Dr. Steven P. Haug, associate professor of prosthodontics; Dr. Jack E. Schaaf, associate professor of dental diagnostic sciences; and Dr. Margot L. Van Dis, associate dean for student affairs.



Photos by Mike Halloran

Steven Haug secures dental grad Michael Bettner's hood as Jack Schaaf observes.

Awards Honors

The 1999 grads also requested that Dr. Tomich give their farewell address. He was pleased and honored to accept the responsibility, and has allowed the *Alumni Bulletin* to reprint his remarks in this issue (see page 12).

Excellent addresses also were presented by the class presidents, including Julie S. Cullen (dental assisting), Gina M. Stabb (dental hygiene), and Melissa A. McHenry (dentistry).

Honors

Graduates were recognized during the IUSD Awards Banquet, held at University Place Conference Center on April 29, unless otherwise noted.

Graduating with High Distinction

DDS Graduates

Tyler J. Potter
James W. Blackburn
Chad O. Hazelrigg
Michael J. Silverman
Sonya A. Shively

ASDH Graduates

Camile E. Schaeffer
Susan K. Whitlow

Graduating with Distinction

DDS Graduates

Robert W. Long
Joseph D. Spires
Angela L. Greenaway
Jennifer A. Miller
Heather Wheat Largura

ASDH Graduates

Laura L. Coakes
Nicole Y. Campfield

Dean's Gold Awards

(to dental students for achieving an average score of 90 or above on both Parts I and II of the National Board Dental Examination)

James W. Blackburn
Tyler J. Potter
Michael J. Silverman

Dean's Silver Awards

(to dental students for achieving an average score of 90 or above on Part I or Part II of the National Board Dental Examination)

Sadia I. Bhatti
David A. Boone
Chad O. Hazelrigg
Heather Wheat Largura
D. Scott Morgan
Sonya A. Shively
Joseph D. Spires

Dental Assisting

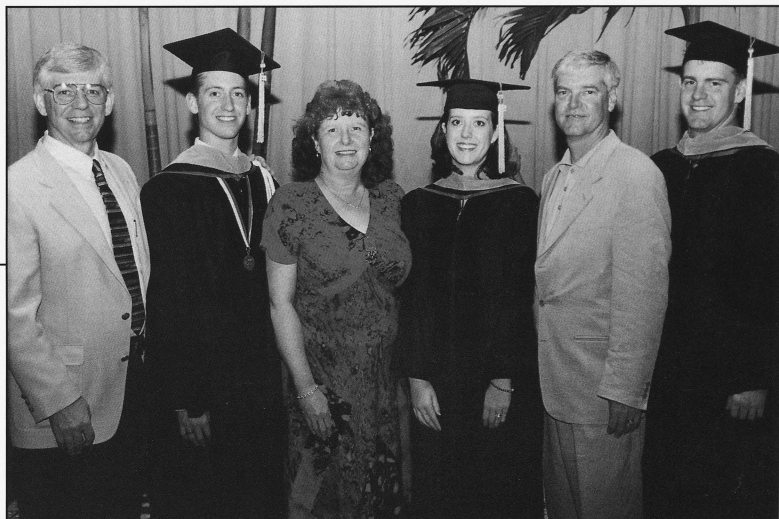
Amanda L. Jenkins
Clinical Achievement Award

Brook M. Rohlman
Highest Academic Award
(presented at the Indiana Convention Center on May 9)

Dental Hygiene

Cheryle R. Allee
Procter & Gamble Co.
Prevention Award

Kimberly D. Boger
Johnson Public Health Award
(co-recipient). In memory of Frank and Jessie Johnson, parents of Donald W. Johnson (DDS'56), Carmel.



Another Wave of Hazelrigg, Green, and Hernly Dentists. DDS'70 classmates Charles Hazelrigg (left), Alice Sue Green (center left), and James Hernly (second from right) pose with their children, from left, DDS'99 classmates Chad Hazelrigg, Jennifer Green-Springer, and David Hernly.

Dental Assisting

Ann E. Burroughs

Indiana University School of Dentistry Alumni Association's Harriett F. Hine Award. In memory of the wife of the late Dr. Maynard K. Hine, IU dean of dentistry and first chancellor of IUPUI.

Laura L. Coakes

Rossya Kaufman Memorial Award (co-recipient). In memory of a 1958 graduate of IU's dental hygiene program.

Stephanie R. Hein

Johnson Public Health Award (co-recipient)

Lori L. McAdams

Dr. Tillman E. Miller Clinical Achievement Award (1st Place). In memory of a 1980 graduate of IU's dentistry program and an Elkhart practitioner.

A. Rebekah Fisk Memorial Award of the Indiana Dental Hygienists' Association. Named for IU's first director of dental hygiene.

Camile E. Schaeffer

Rossya Kaufman Memorial Award (co-recipient)

L. Celeste Seifert

Dr. Tillman E. Miller Clinical Achievement Award (2nd Place)

Patty A. Thurman

Hu-Friedy Clinical Achievement Award

Dentistry

Jill A. Adams

Certificate of Merit Award, American Academy of Dental Practice Administration

Robert S. Barry

IUSD Alumni Association's Maynard K. Hine Award

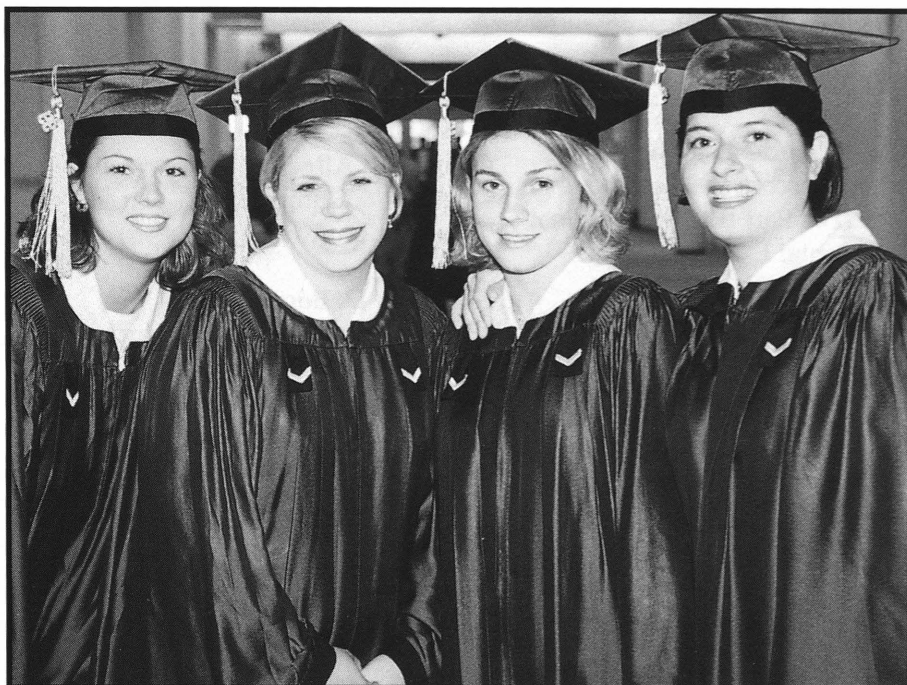
Michael D. Bettner

International Congress of Oral Implantologists Award

James W. Blackburn

American Association of Endodontists Award

American Academy of Oral and Maxillofacial Radiology Award



L to R: Amberly Randol, Ashlee LaPaugh, Jamey Marksberry, and Sun Hui Pauley (dental hygiene)



L to R: Mika Shepherd, Cindy Dodd, and class president Julie Cullen (dental assisting)

Karen E. Ellis
American Equilibration
Society Achievement Award
American Student Dental
Association Award

Brandon K. Farrell
American Academy of
Gold Foil Operators Award

Shane A. Fisher
Indiana Dental
Association Award

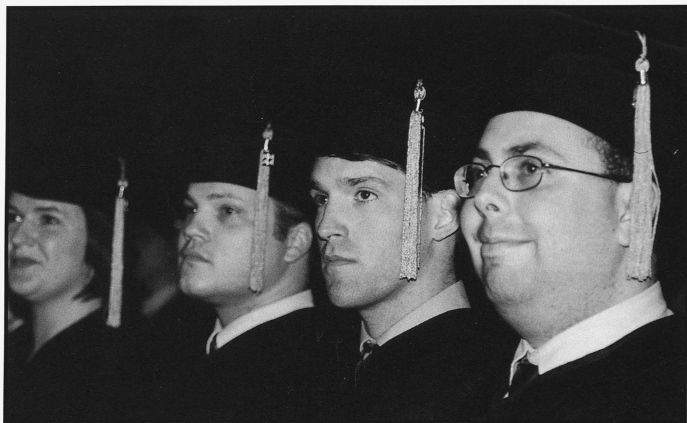
Chad O. Hazelrigg
Indiana Society of Pediatric
Dentistry Award

John F. Johnston Award.
In memory of a 1921 Indiana
Dental College graduate
and former head of crown
and bridge and partial
denture prosthodontics.

American Association of
Public Health Dentistry Award

Jeffrey A. Hiester
Dr. Charles E. and Janice B.
Kem Award. In memory of
a 1929 IU dental graduate
and Richmond dentist, and in
honor of Dr. Kem's wife.

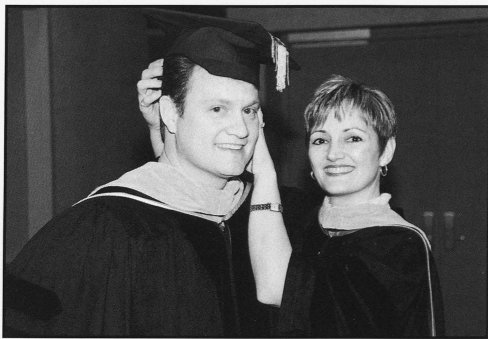
Anthony J. Hornaday
American Association of
Oral and Maxillofacial
Surgeons Award



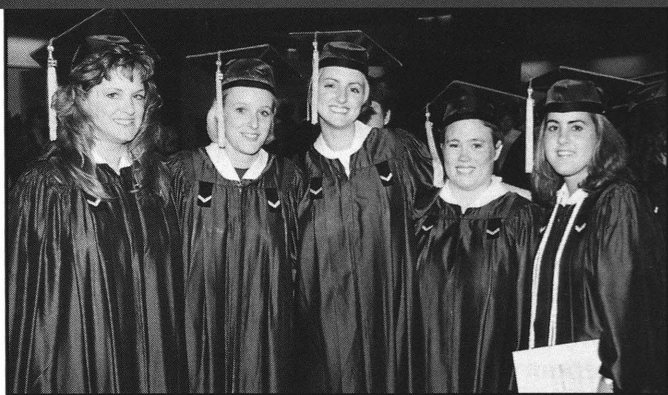
Eyes on the Future? Karen Ellis, Jon Erickson, Brandon Farrell, and Shane Fisher (dentistry)



Sonya Shively (dentistry) is hooded by Dr. Schaaf as Drs. Haug and Margot Van Dis look on.



IU faculty member Laura Rogers helps husband, Winslow Rogers, a prosthodontic graduate student, suit up for the dental school post-commencement program.



L to R: Elizabeth Roti, Celeste Seifert, Courtney Rogers, Holly Ponsler, and Camile Schaeffer (dental hygiene)



Jeffrey Stolarz (dentistry) accepts the Academy of General Dentistry award from Ronald Bowman.



John Iasella (dentistry) displaying his newly acquired award from the American Society of Dentistry for Children, presented by Prof. Dennis Zimmerman

John M. Iasella

Dr. Tillman E. Miller Clinical Achievement Award

American Academy of Periodontology Award

Academy of Operative Dentistry Award

American Society of Dentistry for Children Certificate of Merit and Indiana Chapter Award

Stacy C. Johnson

IUSD Fourth-Year Essay Award (3rd Place for "Pharmacology of Parenteral Light Conscious Sedation")

Chun-Nan Lin

IUSD Fourth-Year Essay Award (2nd Place for "Osteoradionecrosis: Applications of Diagnosis, Prevention, and Treatment in Dentistry")

Robert W. Long

Pierre Fauchard Academy Indiana Section Award

Melissa A. McHenry

Indianapolis General Dentistry Study Club Award

Audrey E. Nuffer-Johnson

Teledyne Water Pik Prosthodontic Award

Tyler J. Potter

Glenn J. Pell Award. In memory of a pioneering oral surgery faculty member at IU.

American Academy of Oral and Maxillofacial Pathology Award

American Association of Orthodontists Award

Quintessence Publishing Company Award for Clinical Achievement in Restorative Dentistry

Alpha Omega International Dental Fraternity Scholarship Award

American Dental Society of Anesthesiology Horace Wells Award. In memory of a pioneer in the field of surgical anesthesiology.

Chancellor's Scholar Award (presented at University Place Conference Center on April 24)

Hirbod Rowshan

International College of Dentists Award

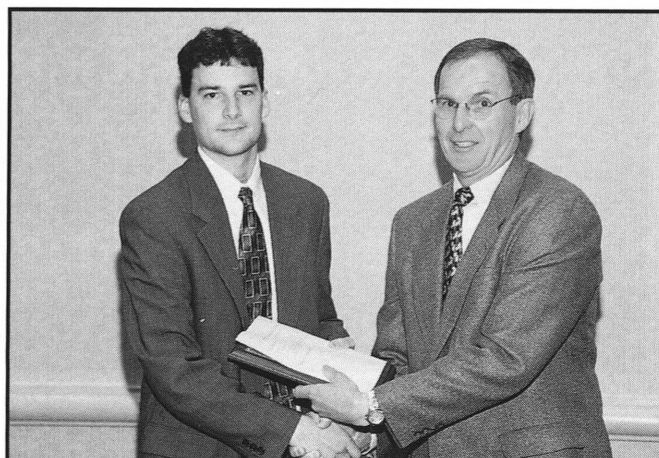
Sonya A. Shively

American College of Prosthodontists Award

American Association of Women Dentists Award

Quintessence Publishing Company Award for Clinical Achievement in Periodontics

Organization of Teachers of Oral Diagnosis Award



George Vail presents IUSD Alumni Association awards to Ann Burroughs (dental hygiene) and Robert Barry (dentistry).

Christopher W. Shorey
IUSD Fourth-Year Essay
Award (1st Place for
"Habitual Dislocation of the
Temporomandibular Joint")

Michael J. Silverman
Indiana Society of
Periodontists Award

American Academy of
Oral Medicine Award

Joseph D. Spires
Academy of Dental
Materials Award

Jeffrey A. Stolarz
Academy of General Dentistry
and Indiana Chapter Award

Kyle W. Taylor
James L. Maus Memorial
Scholarship Award. In memory
of the owner of Maus and
Elam Dental Laboratories.

Nathaniel D. Tricker
Quintessence Publishing
Company Award for
Achievement in Research

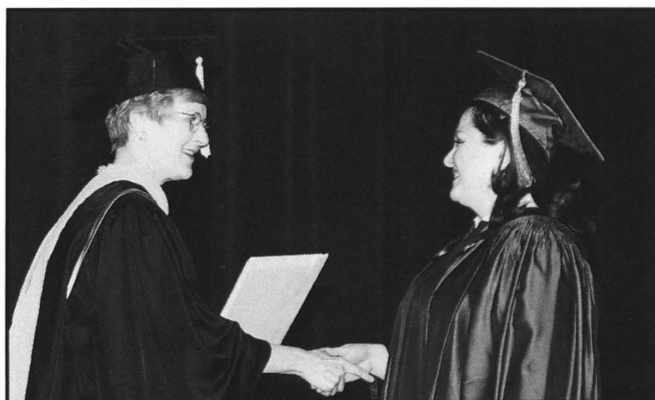
Aaron Tropmann
American Association of Oral
Biologists Oral Biology Award

Bradley A. Weiss
Dentsply International
Merit Award

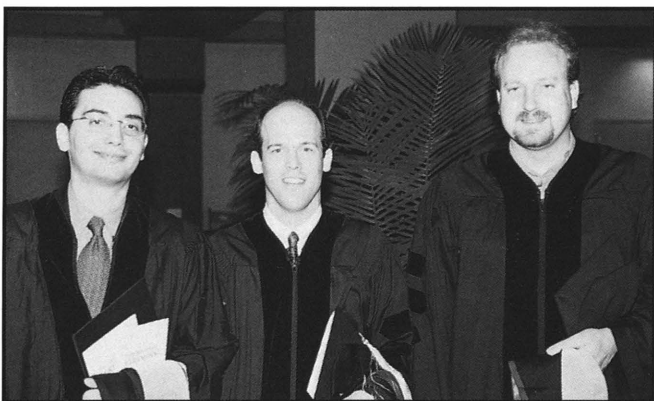
Stephanie A. Wright
American Association of Oral
and Maxillofacial Surgeons
Dental Implant Student Award



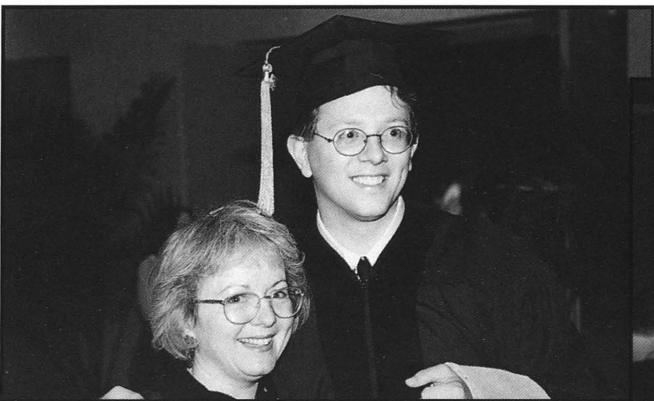
The Charles E. and Janice B. Kem Award went to Jeffrey Hiester (dentistry). It was presented by William Kem.



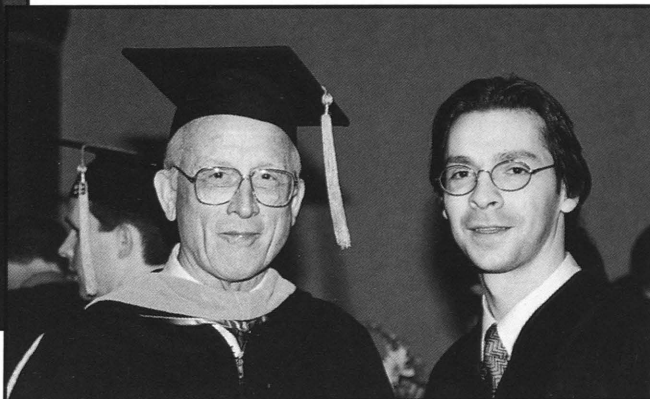
A diploma for Alla Bandoim (dental hygiene), presented by Prof. Evelyn Oldsen



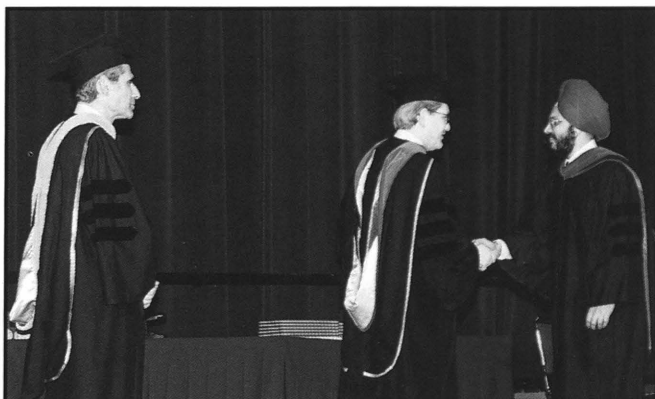
L to R: Hirbod Rowshan, Scott Morgan, and Jerrod Long (dentistry)



Jesse Duquette (dentistry) with proud mom, Daria Blanton, of Minneapolis, Minn.



Faculty member David Vandersall (left) with Zaid Hakki (dentistry)



Ph.D. candidate Sarandeep Huja (right) is offered words of congratulations from Associate Dean Chris Miller as Dean Lawrence Goldblatt prepares to offer a few of his own.

Guest Presenters

In addition to many members of the IUSD faculty serving as presenters at the awards banquet, the school was honored by the participation of the following guest presenters:

M. John Borkowski (DDS'55), Indianapolis, creator of the John F. Johnston Award

Ronald K. Bowman (DDS'61), Carmel, representing the Indiana Section, Academy of General Dentistry Award

Douglas M. Busch, Indianapolis, executive director of the Indiana Dental Association

Dr. William R. Kem, Gainesville, Fla., son of the late Charles E. (DDS'29) and Janice B. Kem

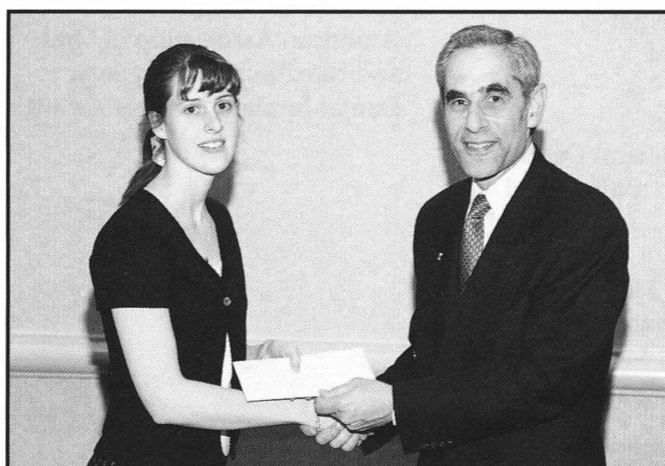
Charles M. Simons (DDS'68), Kokomo, regent of District 7, International College of Dentists

Marjorie L. Swartz, Indianapolis, professor emerita of dental materials

George H. Vail (DDS'69), Fishers, 1998-99 president of the Indiana University School of Dentistry Alumni Association



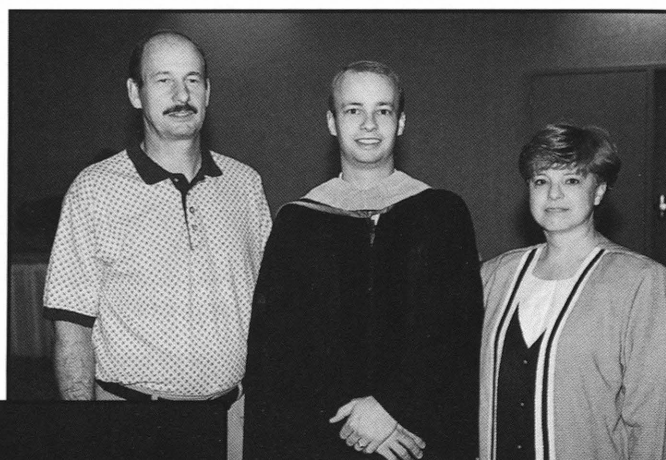
Amanda Jenkins (dental assisting) was recognized for clinical achievement by Prof. Pauline Spencer.



Dean Goldblatt congratulates Jill Adams (dentistry) on her award from the American Academy of Dental Practice Administration.



Dental class president Melissa McHenry accepts the Indianapolis General Dentistry Study Club Award from Prof. Larry Ryan.

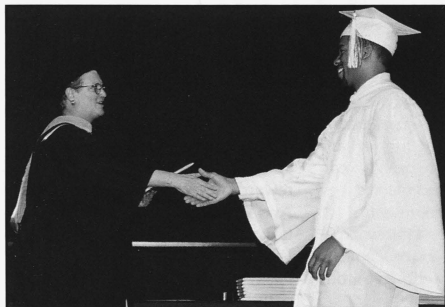


Kyle Taylor (dentistry) with parents Roger and Deloris Taylor, Edinburgh

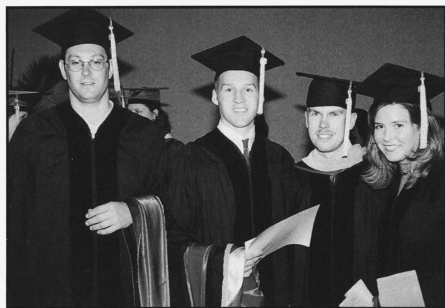


Dental hygiene class president Gina Stabb

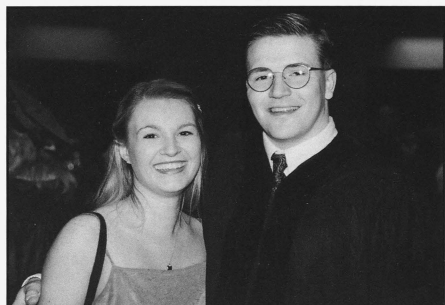
Graduation



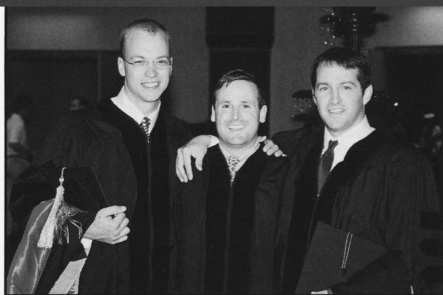
Jerome Williams Jr. (dental assisting) takes his turn walking across the stage, where he finds a congratulatory handshake from Prof. Spencer waiting for him.



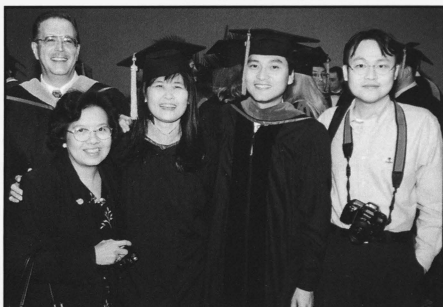
L to R: Jack Rusch, Cory Sellers, James Sisson, and Sherri Skiles (dentistry)



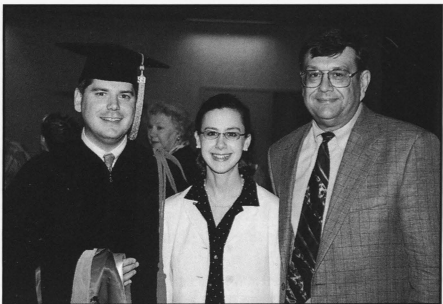
Brett Henrikson (dentistry) and fiancée, Suzzane Cosgrove



L to R: Barron Compton, Clayton Hilton, and Terry Belden (dentistry)



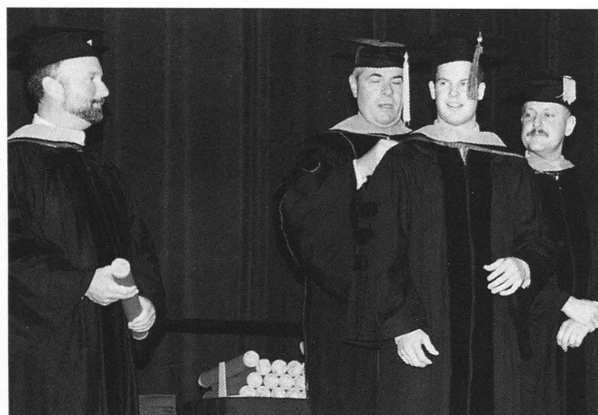
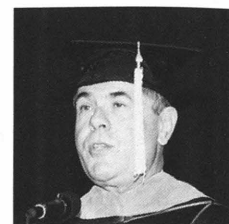
Waiting for ceremonies to begin are, from left, Gary Plymale (MSD candidate), faculty member Suteera Hovijitra, Patchanee Rungruanganunt (MSD candidate), Pasutha Thunyakitpisal (PhD candidate), and Chalermopol Leevailoj (MSD'98).



Robert Long (dentistry) with his wife, Susan, and father-in-law, Charles Poland (DDS'68)

Ceremony

An IU Legacy to be Leaders in the Profession



Charles Tomich fastens the hood of dental graduate Kirk Cohil while prosthodontic faculty member Steven Haug observes and George Willis, associate dean for clinical affairs, prepares to hand Dr. Cohil his diploma.

At the special request of the DDS Class of 1999, IU faculty member Dr. Charles E. Tomich addressed the School of Dentistry's graduates during their post-commencement ceremonies on Mother's Day. It will come as no surprise to anyone who has ever been enrolled in one of Dr. Tomich's oral pathology courses (i.e., alums from the past three decades) that the remarks of this talented and exacting professor centered on one of the most substantial words in the English language: responsibility.

Dr. Tomich sought to inspire IU's future dental professionals by challenging them to follow in the footsteps of their distinguished predecessors.

We feel confident that Dr. Tomich's address, like the man himself, has not been taken lightly and will not be forgotten soon. We think you'll find his words heartening, no matter how far into your career you may be. The address is printed here in its entirety with permission of the author.

The Editors

Members of the faculty, friends and family, and—most importantly—my former students, the new members of the dental profession and our leaders of the future: I am very honored to have been asked to give this commencement address because it represents a new manner—at least in my experience—in which commencement speakers have been chosen for our School of Dentistry.

Commencement speakers are often members of the administration or chosen by the administration. Typically they are leaders in the profession. These outstanding people come from some place distant to offer sage words of wisdom or inspiration to young people about to commence the next phase of their mortal existence.

Unfortunately, most of the graduates in the audience remember very little, if anything, of what has been said. And the odds are the identity of the speaker is forgotten within the next few days. Thirty-eight years ago I was in your position. Do I remember who gave my dental school commencement address? No! Do I remember what he said? No! All I remember is wishing he would finish so we could have our class graduation party on the second floor of The Old Absinthe House in the French Quarter of New Orleans.* I remember the party—well, at least I remember the beginning!

Our situation is a bit different. Because we know one another, I hope you will remember at least a few of the comments I have to make today.

You are now members of a noble profession. With it comes responsibility—responsibility

to your patients, responsibility to the profession itself, responsibility to your school, and responsibility to yourselves.

Treat your patients with care and respect and you will receive rewards beyond your imagination. And I am not talking about monetary rewards—those will come. What I am talking about is the feeling that you will have when patients thank you for relieving their pain or restoring their oral aesthetics or function. That "Thanks, Doc" from a grateful patient, or the hug on the leg from a little kid who has learned to trust and actually LIKE you. Yes, being responsible to your patients will bring you just rewards.

Responsibility to our profession is of major importance. You are the future leaders of our profession. And you will be needed in organized dentistry. So I strongly urge you to join your local, state, and national dental associations. In less than two decades from now, some of you will be officers in your local dental societies. Within your professional lives, you will be responsible for leading your state and perhaps even national dental societies. You have a legacy—Indiana graduates have been leaders at all levels of organized dentistry—and you must do the same.

To our specialists and those of you who will become specialists: You too have a great legacy. Indiana graduates at one time or another have been the presidents of each of the dental specialties. The current president of the American Association of Oral and Maxillofacial Surgeons¹ is an Indiana graduate and a practitioner here in Indianapolis. The president-elect of the

*Dr. Tomich is a 1961 dental graduate of Loyola University, New Orleans, La. He earned his master's degree from IU in 1968.

¹David A. Bussard (DDS '77, Oral and Maxillofacial Surgery certificate '80), part-time IU clinical assistant professor of oral and maxillofacial surgery

American Academy of Oral and Maxillofacial Pathology², the specialty organization to which Dean Goldblatt and I belong, is an Indiana graduate and a former member of the faculty. The immediate-past president of the American Association of Endodontists³ is a graduate and former faculty member of IU and a practitioner in Indianapolis.

An Indiana dentist, the late Harry J. Healey, was almost solely responsible for endodontics' achieving specialty status from the House of Delegates of the American Dental Association. The late Maynard K. Hine, our beloved dean and first chancellor of this, the IUPUI campus, was a president of the American Academy of Periodontology as well as a president of the American Dental Association. So you see that we, as Indiana dentists, have a legacy to be leaders of our profession.

The next responsibility is the one you have to your school—the Indiana University School of Dentistry. You may think, What do I owe the school? I paid my tuition. I shed a lot of blood, sweat, and tears. I dreaded Oral Pathology Clinical Correlation with the chance that Dr. T. would pull my name out of that box. Yes, all of that is true. But this school and all of its faculty and staff have provided you with a sound education and the means by which you will earn your livelihoods. It will take some time, but when you are financially able you must give back to those who gave to you. Your predecessors have done this for you, and you, in turn, will have the responsibility to do the same for those who will follow you.

Lastly, you have a responsibility to yourselves to continue your learning. You are no longer

dental assisting students, dental hygiene students, or dental students. But you should always be STUDENTS OF DENTISTRY. Although what we recognize here is an ending to your many years of formal education, what we really celebrate here is the commencement of your life-long learning and practice of dentistry. Learning must be continuous, for without it you are but a flame that glows briefly and then goes out. Your school, through its Division of Continuing Education, offers a wide variety of courses. Take advantage of these. Dean Goldblatt has made our motto "We Are Indiana—Always Striving for Simply the Best." We want that to be your motto too. And this can be done only by life-long learning.

As you leave dental school, you will feel a real sense of accomplishment, and you should. Most of you will feel a sense of relief. I know I did. Many of you may have a feeling of uncertainty about what lies ahead. That all goes with the territory. I am a good bit older than you are, and I must confess that I begin many days in much the same way. I like to remember the good times from the past, relieved to have made it through some of the not-so-good times and wondering what is coming next.

Perhaps you have heard someone say, "Don't look back. Someone might be gaining on you." Well, I don't think we should be afraid to look back, but we should try to look ahead with the advantage of past experience. That, rather than to see whether anybody is gaining on you, is why man was designed with the ability to look around and see in all directions. Above all, as you move on, remember that one human attribute—the ability to look

around in all directions. Blinders are for horses, not for people.

If education has any one single goal, it is to encourage people to know how to ask questions and how to go about getting the answers. It is not enough in life to be a listener, a passive member of the audience. It is not enough to look straight ahead and never look around. It is not enough to breathe a sigh of relief and figure that your learning days are over. The lucky individual is that individual who never stops learning until he or she takes the last breath.

And now, before I close, I just want to reminisce a bit with the dental graduates. We have had some fun times together, and you have shared with me a trying time in my life. Who will ever forget Mike Miskuf's question to me? And who will ever forget Steve Coryell's answer to me? You have seen me at a time when I was not in control of what was going to happen to me.** But your prayers and positive thoughts were instrumental in getting me through it all. I thank you for that and the fun times.

This is your Commencement Day. It is fitting for us to salute you for your accomplishments and to wish you the very best as you begin your careers in our noble profession. And now I would like to close with my favorite blessing:

*May the Road Rise Up to Meet You
May the Wind Be Always at
Your Back
May the Sun Shine Warm Upon
Your Face
And the Rains Fall Soft Upon
Your Fields
And, Until We Meet Again
May God Hold You in the Hollow
of His Hand*

Thank you and God Bless.

Charles E. Tomich

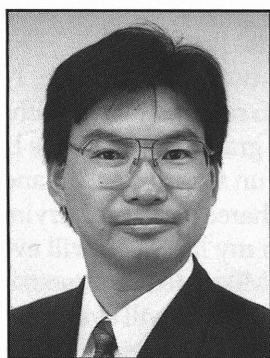
²John M. Wright (MS'77 Oral Pathology), Baylor College of Dentistry, Dallas, Texas

³Carl W. Newton (DDS'75, MSD'77 Endodontics), volunteer IU professor of endodontics

*Dr. Tomich had surgery for a brain tumor on May 1, 1997, the week before second-year final examinations for this class. Despite their busy schedule, the students found time to send cards and personal notes, offer prayers, and even bring food to the Tomich family home. The surgery was successful, and "Dr. T." was back to work in two months.

Recent Additions to the Full-time Faculty

During the past academic year, seven teachers joined the ranks of the full-time faculty at the Indiana University School of Dentistry.



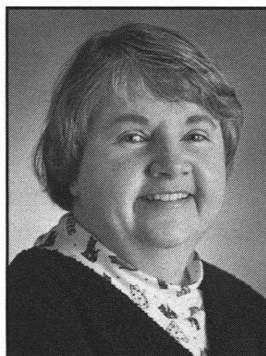
Masatoshi Ando

Masatoshi Ando, Assistant Scientist, Oral Health Research Institute. Dr. Ando had been serving as a visiting researcher at the Institute for four years prior to his full-time appointment in July 1998. He holds a bachelor of dentistry degree ('89) and a preventive dentistry degree (PhD'93) from Osaka Dental University, Osaka, Japan, as well as a DDS degree ('89) from the Japanese Ministry of Public Welfare.

While in Japan, Dr. Ando was a part-time general practitioner at the Osaka Dental University Hospital and in several private dental offices. He held an appointment at the Nara Dental Hygiene School, Nara, as a lecturer of medical statistics and preventive dentistry. Dr. Ando also lectured to healthcare workers and patients in the community on oral healthcare and prevention of oral diseases in his capacity as an officer in Osaka's Municipal Government.

Since coming to IU, Dr. Ando has been studying several methods used in the early detection of dental caries. He presented some of his findings to an international audience at the recent IU-sponsored conference, Early Detection of Dental Caries.

Dr. Ando has been a research consultant to Procter & Gamble on the subject of dental practices and attitudes in Japan.

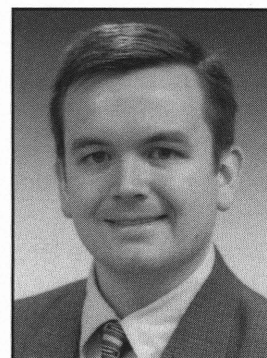


Patricia Ann Capps

Patricia Ann Capps, Lecturer in Dental Hygiene and Dental Assisting, Department of Periodontics and Allied Dental Programs. In 1997 Ms. Capps joined IU as a visiting teacher in dental hygiene and dental assisting. Her full-time appointment became effective in April 1999. Formerly a licensed practical nurse, she received her nursing training at the Mexico School of Practical Nursing, Mexico, Mo., and Avilla College, Kansas City, Mo. Ms. Capps is a dental hygiene graduate of the University of Missouri at Kansas City (1979). She studied public health at Sangamon State University, Springfield, Ill., and earned a master's degree in health science (1997) from Ball State University.

Ms. Capps has extensive experience as a dental hygienist in private practice; she is licensed to practice in Missouri, Rhode Island, Illinois, and Indiana.

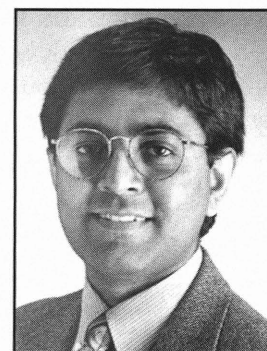
As part of her master's degree, Ms. Capps completed a public health internship at the Madison County Health Department in Anderson, where she studied teen pregnancy. For her master's thesis she assessed the state's local health department nurses for their knowledge of Lyme disease.



William C. Hine Jr.

William C. Hine Jr., Clinical Assistant Professor of Hospital Dentistry, Department of Oral Surgery, Medicine, and Pathology. Dr. Hine's appointment, effective July 1998, was preceded by a year of service as a visiting faculty member. He holds two IU degrees (BS'93, DDS'96) and a certificate from the General Practice Residency program (1997).

Dr. Hine manages one of the dental school's community-based dental clinics on the east side of Indianapolis. The clinic is housed in Grassy Creek, a community health center run by Wishard Memorial Hospital. In addition to providing oral healthcare to the residents of Marion County, the clinic also serves as an off-campus private practice rotation for residents enrolled in the General Practice Residency program.



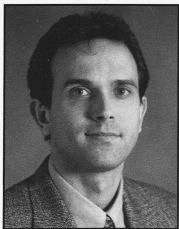
Vanchit John

Vanchit John, Assistant Professor of Periodontics, Department of Periodontics and Allied Dental Programs. Dr. John was appointed to his current position in April 1999, but his ties to IU go back to when he was accepted into IU's

periodontic graduate program in 1992. A dental and periodontic graduate of Madras Dental College, Madras, India, Dr. John taught briefly at the V.M.S. Dental College in Salem, India, before coming to the U.S. He earned his MSD in periodontics from IU in 1995. After spending the next year as an IU postdoctoral research fellow through a program sponsored by Eli Lilly Research Laboratories, Dr. John entered IU's advanced standing (DDS) program, completing it in 1998. He has spent the past year at IU as a visiting professor.

Dr. John is board eligible for the American Board of Periodontology. In his research he has looked at the relationship between immune cells (T-lymphocytes) and bone resorbing cells (osteoclasts). He is the recipient of a 1995 Young Investigator Award from the American Society of Bone and Mineral Research and a 1996 Young Investigator Fellowship from the American Academy of Periodontology. He won first place for his presentation at the Graduate Student Research Forum of the Midwest Society of Periodontology, Chicago, in 1995, and won the IU dental school's Henry M. Swenson Scholarship for clinical and didactic excellence in periodontology in 1994 and 1995.

In his new role on the faculty, Dr. John is director of the predoctoral program in periodontics.



Francisco E. Velez-Yanguas

Francisco E. Velez-Yanguas, Clinical Assistant Professor of Hospital Dentistry, Department of Oral Surgery, Medicine, and Pathology. Before joining the IU faculty in August 1998, Dr. Velez-Yanguas was a full-time clinical instructor in the General Practice Residency program at the University of Puerto Rico, Carolina

Regional Hospital, Carolina. He also was in private practice in Isla Verde and Isabela, P.R.

Dr. Velez-Yanguas earned his BS (1990) and DMD (1994) degrees from the University of Puerto Rico's Medical Sciences Campus in San Juan. He also completed the GPR program there and a one-month externship in oral and maxillofacial surgery at the University of Texas Health Science Center at San Antonio.

In his role on the IU faculty, Dr. Velez-Yanguas oversees the dental school's clinic at Cottage Corner near Downtown Indianapolis. The clinic is part of a community health center operated by Wishard Memorial Hospital. Students rotating through this clinic will gain hands-on experience with the TEAM approach to dentistry and dental office administration. They also will have opportunities to improve their clinical skills and speed.

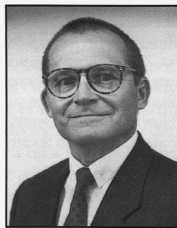


L. Jack Windsor

L Jack Windsor, Assistant Professor of Oral Biology, Department of Oral Biology. Dr. Windsor was appointed to IU in March 1999, after serving as a visiting faculty member for three months. He has a longtime association with the University of Alabama at Birmingham, where he earned a PhD in biochemistry in 1993. He most recently served as an associate scientist in UAB's Comprehensive Cancer Center and in UAB's Cell Adhesion and Matrix Research Center. As a research assistant professor in UAB's Department of Biochemistry and Molecular Genetics, he taught dental, medical, and graduate students.

Dr. Windsor also holds a bachelor's degree in biology from Samford University in Birmingham.

Over the years, research studies for which Dr. Windsor has been the primary investigator or a co-investigator have received support from the National Institutes of Health and National Cancer Institute, with grants totaling about \$9 million. He is widely published in a variety of journals in the fields of dentistry, biochemistry, and cell biology, and is a manuscript reviewer for *Gene*, *Critical Reviews in Oral Biology and Medicine*, and a journal published in The Netherlands titled *Biochimica ET Biophysica Acta*.



Dennis P. Zimmerman

Dennis P. Zimmerman, Clinical Assistant Professor of Pediatric Dentistry, Department of Oral Facial Development. To teach students in IU's pediatric dentistry clinic, Dr. Zimmerman draws on the experiences of his 21 years in private practice as well as his strong background in community service.

After receiving a bachelor's degree from Ball State University in 1969, Dr. Zimmerman enrolled at IU to earn a DDS degree (1973) and a specialty certificate (1975) in pediatric dentistry. While enrolled in the specialty program he served as a staff dentist at the Knightstown Soldiers' and Sailors' Children's Home.

He conducted a pediatric dentistry practice in Kokomo from 1975 to 1996. A part-time teaching job on the IUSD faculty in 1995 led to a one-year United Cerebral Palsy Fellowship in the James Whitcomb Riley Hospital for Children. He then served as a visiting faculty member from August 1998 until February 1999, when he accepted his current position.

Continued page 16

Dr. Zimmerman has enjoyed a career that embraces community activities. In Kokomo he was a long-time volunteer dental care provider at the Sycamore Dental Clinic. As a participant of the Health Occupations Education Program at Kokomo High School, he lectured on children's dentistry and provided on-the-job training to students with an interest in dental assisting. He routinely connected with the community through a variety of activities such as giving tours of his dental office to youngsters and participating in school "brush ins." In the summer of 1997 he operated a six-day dental clinic and program at Camp Riley in Bradford Woods, Martinsville.

Dr. Zimmerman holds membership in Sigma Zeta National Science Honorary and is a Sagamore of the Wabash. He is a past president of the Howard County Dental Society and the Indiana Society of Pediatric Dentistry.

Poised to Write A New Chapter

Ora Wade retires

If Ora L. Wade realizes one of her long-held goals, this won't be the last story you read about her.

After working on the IUPUI campus for 14 years, most recently as a technician in the dental school's division of Central Sterilization and Services, Ora plans to devote part of her retirement to refocusing her efforts on an autobiographical reminiscence she began writing years ago.

Hers is a story worth committing to paper.

It began on a farm in Sweatman, Miss., where Ora toiled in the fields as a young girl in the 1940s.

"They didn't wait till you were 16 to put you to work back then," she said. "I hated it—it was so hot, and the work was hard. I got nothing out of it, so I was determined to go to high school after I finished eighth grade at age 13."

But the local high school remained out of the youngster's reach, as her help in supporting the family became a more pressing need. She swallowed

her disappointment, and held tight to her dream of obtaining an education.

That dream often threatened to slip from her grasp. By age 16 she was married, separated from her husband, and expecting their first child. "You can imagine what a dismal time that was for me," Ora said. "I had no education, no husband, no money."

Ora gave birth to a son. She moved to Memphis with her parents, and then on to Indianapolis. After becoming a widow, she married a serviceman and moved with him to Fort Carson, Colo., where she had another son. When her husband was reassigned to a base in Germany, Ora returned to Indianapolis to share a home with her children, three of her younger siblings, and her mother.

What Ora lacked in resources she made up for in resolve. In 1957, she struggled through a year of barber college. "It was extremely difficult for me because the program included bits of chemistry, biology, and physiology," she said. "All these subjects were being thrown at me when I didn't have even a high school education! But I made it, and received my master's license."

While the elder woman looked after the five children in the house, the younger earned a living by cutting hair. ("Mother was a blessing," said Ora, who was divorced in 1973; the two lived together until her mother's death in 1991.)

The barber's clippers paid the bills but left Ora unfulfilled intellectually; she decided it wasn't too late to pursue a secondary education. Ora enrolled at night school in the Indianapolis Public School system, often using the city's buses to commute between job and studies.

In 1963, Ora's childhood wish came true: She finished all of the requirements for a high school diploma. But as Ora crossed the auditorium in cap and gown during commencement ceremonies at the Arsenal Technical School, feelings of joy were tempered by the maturity and wisdom she had acquired in her 29 years of life.

"I saw *competition*," Ora said with dispassion as she recalled gazing at her youthful classmates that evening. "I decided right then that I hadn't yet achieved *anything*. I needed to take my education further."



The farewell reception that Ora Wade's coworkers surprised her with when she retired in April '99 overwhelmed and humbled her. "All these people, many of whom I've known just in passing, took time to come and greet me. They brought cards and gifts and hugs and handshakes. It was marvelous, and I thank everyone from the bottom of my heart." Ora is at home at 3439 Winthrop Avenue, Indianapolis IN 46205.

And so she did, a few painstaking credit hours at a time, over many years.

Ora transferred to IUPUI after one year at the University of Indianapolis. She became a college graduate in 1975, earning a Bachelor of Science degree in Metropolitan Studies from the School of Public and Environmental Affairs.

Ora worked for five years with the state before landing a job on the IUPUI campus. Although she held several IUPUI positions throughout the years, her last duties—in the dental school's central services area—were the most rewarding. She enjoyed assisting IU as new sterilization and infection control guidelines imposed by OSHA and other governing bodies altered the face of clinical dentistry throughout the country. As the students' cotton jackets and tunics gave way to disposable paper gowns and a myriad of other changes, Ora and her coworkers bustled to meet the demand. She found camaraderie with her fellow employees too. "Finding a good group to work with is important," she said, adding with a knowing smile: "Things happen when we pray."

After telling us that she is ready to retire because her body "is tired," Ora cheerfully ticked off numerous items on a post-retirement "to do" list that will surely claim far more of her energy than one full-time job.

"I feel at this age I need to change gears," she explained further.

"Working 8 to 5, that was just for me. I want time to do for somebody else now—to make somebody else's life a little happier."

Members of Christ Temple Apostolic on West Fall Creek Parkway will likely be among those who benefit from this retiree's newly acquired free time. She is known by that congregation as the Evangelist/Rev. Wade. Ora became a minister in 1982, and she plans to continue serving the church as long as she is able. Ora also will be volunteering at a shelter for homeless women and children, and serving as an ombudsman for a nursing home she is associated with through her church. An indefatigable learner, she has her eye on yet another class being offered at IUPUI. She intends to work part-time so she can afford to hire someone to keystroke her biography when she's finished composing it.

Her first priority, though, is to return to Sweatman, the place of her childhood now known as Duck Hill, to set up a bible class. "A lot of my people are down there yet," she said. "It's a rural area where people go to church on Sunday, and that's about the end of their religious activities. It's not enough—you have to *study* the bible to get to know it."

Instead of taking credit for the numerous and impressive accomplishments in her life, this deeply spiritual woman warmly acknowledges her Maker. "When we obey and trust in the Lord, he looks out for us every day of our lives," she said.

And Ora hasn't forgotten the help that came her way from the outstretched hands of family, friends, and strangers. She credits the late Alice Duncan, of the IUPUI bursar's office, for urging her to finish college. "Besides my God, she is the reason I graduated from IUPUI," Ora said. "I've met some very good, caring people. My prayers are constantly with all those who have been instrumental in my life, who have given me good advice and suggestions. They are inspirational."

The same could be said of Ora Wade.

When the Gentleman Couldn't Start His Engine...

IUSD photographer Mike Halloran retires

If a car engine blows in the midst of a road adventure, it usually spells calamity for the would-be wanderer behind the wheel.

For Mike Halloran, however, a ruined motor on his journey from Georgia to California led to a long and rewarding career in a city he had intended only to glance at through the windshield on his way to the West Coast.

Mike retired in June 1999 after devoting 30 years to his position as a photographer for the Indiana University School of Dentistry.

Reared in Decatur, Ga., Mike returned to his birthplace of Louisville, Ky., after graduating from high school in the south. In Louisville he worked as a news and sports photographer for WLKY TV. He had been looking forward to pursuing dreams in California when his engine conked out at the Crossroads of America in the summer of '69.

Engine repairs in Indianapolis were going to take two weeks, so Mike used the time to absorb his new surroundings. "Staying here was the furthest thing from my mind," he said. But as the days passed, he liked the feel of Indy—a big city with a small-town personality. When he spotted an ad in the newspaper for a photographer on the IUPUI campus, he decided to apply.

On July 2, Mike began his new job as a still photographer in the IU dental school's illustrations department, where he began to learn the ropes of dental photography under the guidance of department head Richard ("Scotty") Scott.

Mike spent the next three decades capturing for posterity virtually every aspect of IUSD on film.

He shot cellular images through microscopes, and he tramped through the morning's wet grass to track down alumni golfers. He explored details of the mouth with his intraoral camera, and he braved vertical trips on a cherry picker to acquire grand-scale views of faculty, staff, and students posed on the lawn each year. He helped authors bring a visual component to their textbooks and theses. He covered meetings and luncheons and courses and

retreats. He recorded signings and handshakes and the passing of hundreds of plaques from awardees to awardees. He snapped the confident smiles of all students as they began dental school, and years later attended their graduation ceremonies to catch them struggling jubilantly into caps and gowns with the help of family and friends.

Mike entertained serious thoughts about quitting his job only once, in the very beginning. "One of my first assignments was to take close-ups of jaw tissue on cadavers at the medical science building," Mike vividly recalled. "I had never seen a cadaver before." Aghast at his newest photographic subjects, Mike worried that medical photography might be too much of a stretch from his days filming basketball games for TV. But he ultimately decided to tough it out, and before long discovered a genuine love for the close-up work required in dentistry.

"Photomicroscopy opened a new world for me," Mike said. "I worked with Scotty and faculty members Drs. Charles Tomich and



Mike Halloran emerging from the bookstore in the Indiana Memorial Union on the Bloomington campus, where the Fall Dental Alumni Conference is held annually. Mike served as the primary photographer for all the conferences from 1986 through 1998.

Abdel Kafrawy, who taught me about histological sections. I really enjoyed all types of close-up photography. The close-up lenses brought a new dimension to my career."

For vacation over the years Mike often joined several faculty members on annual fishing expeditions to Canada's rustic Rice Lake, where the pace is leisurely and the walleyes are big and beautiful.

The Canadian sunshine was the perfect antidote for a profession that left Mike in the dark much of the time. In addition to shooting photos, Mike also processed and printed most of his work in the deep recesses of the school's darkroom. Of the last 30 years, he spent about four hours a day—or about 3 1/3 years altogether—confined to a few square feet of darkness. It wasn't gloomy, though, because Mike knew that a photographer's darkroom is always bright with promise. Over the years, he watched as hundreds of thousands of IUSD images gradually emerged from the development tank—each photo adding another sentence or two to the school's rich story of people and progress.

The importance of Mike's contributions to IU cannot be overstated. He is one of only three persons thus far to have carried the burden of shooting the lion's share of photographs that serve as the dental school's entire pictorial history. The other two are Mr. Scott, now retired, who contributed an enormous number of photographs to the school and its research efforts during his years as director of illustrations, 1945-1985; and the late Dr. Jack Carr, a radiology professor and talented shutterbug who faithfully covered many years of off-site meetings and events sponsored by the school, the IUSD Alumni Association, and other dental organizations.

"I don't think about the role I play in the school's history when I'm out on a job because there are so many other things to consider," Mike said. "When the thought does come to mind, though, it's humbling."

Mike defines a great photo as one that commands a second look, for

mysterious reasons unique to the image. Of his own collection, he is especially proud of a photo he treasures simply on the basis of the subject matter. In 1993, he noticed that Drs. Maynard Hine and Ralph McDonald, the school's only former deans still living at that time,* were present at an event also attended by then Dean H. William Gilmore. He photographed the dean and deans emeriti with Dr. Lawrence Goldblatt, an IU professor of oral pathology who was poised to accept the dental deanship at Case Western Reserve University in January 1994. "Here in one picture were all three deans of the most prestigious dental school in the U.S." said Mike. "Technically, it wasn't a great photo, but it was very special to me."

The photo grew in historical value just three years later, when the fourth man in the picture—Dr. Lawrence Goldblatt—returned to Indiana to become IU's newest dean of dentistry.

When we spoke to Mike shortly before his retirement, he was intending to jump in his car at 5 p.m. on his last working day and head for tiny Frostproof, Fla., to celebrate with friends and to see what else unfolds. His post-retirement plans are not yet final, but he's confident that fishing and golf will figure prominently into whatever he chooses to do. There's also a bright gold, recently purchased CB750 Honda motorcycle waiting to blaze some fresh new trails.

His camera won't be retired completely. "Like everybody else, I'll bring it out for birthday parties and other special events in my life," he said with a grin.

No one who blows a costly engine on the open highway would say "This is my lucky day"—not even Mike Halloran. But since fate turned Mike's plans of "Westward ho!" into "Westward halt!" 30 years ago, he's deeply grateful that the road happened to end in Indy.

"I made close bonds with many of the faculty, staff, and students at Indiana University School of Dentistry," Mike said of his career. "Working here has been most enjoyable."

IUAA Provides E-Mail Address for Alumni

IU graduates now get something besides a degree when they leave the university. They get a permanent e-mail address.

Thanks to the IU Alumni Association, graduates can keep an @alumni.indiana.edu address for life. As alumni change Internet service providers, moving from job to job or city to city, the university will continue to forward their mail to the current address.

"No matter how many times a graduate changes addresses or jobs, the IU e-mail address will go along," says Jerry Tardy, BS'62, executive director of the IUAA. "This is the virtual equivalent to postal mail forwarding. It will keep alumni connected to classmates for a lifetime."

Alumni can register for the service on the IUAA's Web site at www.indiana.edu/~alumni. They must have another e-mail service provider in order to receive e-mails from the IU account, but as long as the current address is up to date, IU will forward mail to the graduate, permanently.

Joan Hall, assistant director of marketing, says this is something alumni have wanted for a long time.

"Many Ivy League schools have been doing this for a while," she says. "It's one of the top things that graduates request."

Tardy believes this service will have positive effects on IU's community.

"This advances our mission of building a sense of community," Tardy says, "a sense of permanence for our alumni."

(Reprinted from the July/August 1999 issue of *Indiana Alumni Magazine*, with permission of the editor.)

E-Mail

*Dean Hine died in 1996.

Smithsonian Spotlight

IU faculty member John F. Chaves' experiences as a clinical psychologist served as the lead for a *Smithsonian* magazine article about the growing use of hypnosis in medicine.

Dr. Chaves practiced clinical psychology in St. Louis, Mo., before joining IU's School of Dentistry full-time faculty in 1995. He is a professor of oral biology and the school's division head of behavioral medicine and bioethics.

In the article, written by Donald Jackson and published in the March 1999 issue, Dr. Chaves describes how he used hypnosis to help a patient who was feeling excruciating pain in his left arm even though the arm had been lost in an accident several months earlier.

Such a condition is called "phantom limb pain" and seems very real to the sufferer.

"His pain was real," Dr. Chaves told the author, "but it was like a memory that perpetuates pain. What I did was more goal management than cure. I was able to reduce his suffering, the effect of pain on his life."

Chicago Midwinter

Find Old Friends in February
(and make some new ones)

Please Join Us for the Annual

Indiana University School of Dentistry
and IUSD Alumni Association Reception

Chicago, Illinois

(Held in Conjunction with the Chicago
Dental Society's Midwinter Meeting)

Date: February 25, 2000

Place: McCormick Place Complex
2301 S. Lake Shore Drive

Time: 5-6:30 pm

No reservations necessary.

For more information call (317) 274-8959.

Thanks for the Memories

A 'Thank You' from the IUSD Library Archives to:

Jacqueline Brian (ASDH/66), assistant professor of dental education at Indiana University-Purdue University Fort Wayne, for supplying information about a photograph in the archives;

Arden Christen (MSD/65), IU professor of preventive and community dentistry, for donating school-related photographs and negatives as well as a portfolio on **John Hurty**, a physician who taught public health at the Indiana Dental College from 1881 to 1925;

Mildred Gilbert, Sarasota, Fla., for donating six Italian porcelain dental figurines in memory of her husband, **Bert Gilbert** (DDS/48), who died June 8, 1998;

Timothy Gossweiler (DDS/89), Zionsville, for donating a Vac-U-Spat investor;

Alvin Haley, MD, an IU School of Medicine physician, for donating a copy of the *Indiana Daily Student* newspaper;

Sara Hook, associate dean of the faculties, IUPUI Office of Academic and Faculty Records, and formerly IUSD's head librarian, for donating files from her dental school office;

Ralph McDonald (DDS/44), IUSD dean emeritus and professor emeritus of pediatric dentistry, for donating files from his office and an Indiana Dental College yearbook from 1910;

Chris Miller, IUSD associate dean for research and graduate education, for donating two textbooks by the late **Ralph Phillips**, the school's longtime research professor of dental materials;

Matthew Moeller (DDS/85), IU clinical assistant professor of operative dentistry, for donating a bead sterilizer;

Janice Warrick, IUSD director of the Bioresearch Facility, for donating photographs;

Indiana University School of Medicine, for donating an oil painting of Indiana Dental College Professor **John Hurty**, (the portrait is on display in the dental library); and

All of the alumni, faculty, staff, students, and friends of the school who have stopped by to help identify photographs in the library, at the Fall Dental Alumni Conference, and at the Indiana Dental Association annual session.

To make a donation to the IUSD Library Archives, contact:
Kay Rossok
Library Archives Coordinator
Indiana University
School of Dentistry
1121 West Michigan Street
Indianapolis IN 46202-5186
(317) 274-7402
krossok@iustd.iupui.edu



It's Time to Take the Bull by the Horns

**Let us help
you grab
a hold of your
financial
future.**

Interested? Please contact:

Paul St. Angelo
Development Office
Indiana University
School of Dentistry
1121 West Michigan Street
Indianapolis IN 46202-5186
(317) 274-5313
pstangel@iusd.iupui.edu

If you own appreciated stock you don't want to sell because of the capital gains tax you will have to pay, consider an IUSD life income gift plan and enjoy:

- Income for life for you and a loved one
- An immediate income tax deduction
- Avoidance of capital gains tax
- Avoidance of legal fees, and
- Satisfaction, by providing for the future of dental education

Hundreds of Indiana University School of Dentistry faculty, staff, and students participated last spring in the school's Research Day, an annual celebration of the dental research efforts at Indiana University. The seventh annual event, held April 5, 1999, at University Place Conference Center, was co-sponsored once again by the IU dental school and the Indiana Section of the American Association for Dental Research.

The dental school welcomed keynote presenter Stephen C. Bayne, PhD, head of biomaterials at the University of North Carolina School of Dentistry, Chapel Hill, and national president of the American Association for Dental Research. Dr. Bayne's presentation was titled "The New Scientists and the New Science."

A Research Day exhibitors center attracted more than 25 manufacturers and other companies, including Delta Dental Plan of Indiana as a first-time associate corporate sponsor and two companies sponsoring IUSD Research Day awards for the first time: Shofu Dental Corporation, of Menlo Park, Calif., and ESPE America, Inc., of Norristown, Pa.

In addition, 78 posters and table clinics were presented by the school's faculty, staff, and students. The presentations were published as abstracts in an 80-page monograph, which was distributed at the event. Many of the posters had been presented a month earlier at the International Association for Dental Research meeting in Vancouver, British Columbia, Canada.

Twenty-one persons won awards in the poster and table clinic competitions or received special honors for their work, including faculty members **Joseph P. Bidwell** and **James L. McDonald Jr.**, who were recognized by the Indiana University School of Dentistry Alumni Association.

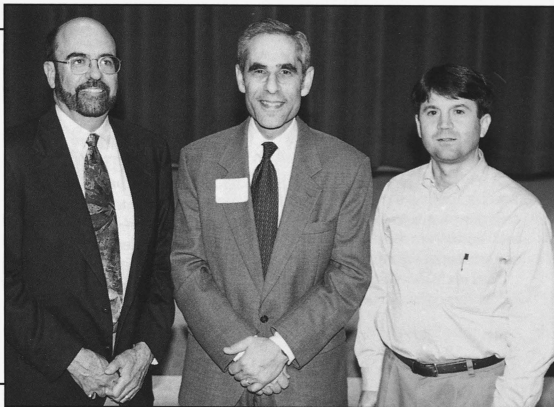
Dr. Bidwell, associate professor of anatomy (School of Medicine) and periodontics (School of Dentistry), received the Distinguished Faculty Award for Research. Before Dr. Bidwell joined the IU faculty in 1993, he was a cell biologist at the University of Massachusetts Medical Center in Worcester. He formerly was a

Research Day in Focus



Photos by Mike Halloran

First-year dental student Michael Noffze tries out a pair of surgical magnifiers at one of the Research Day exhibits.



Distinguished faculty award recipients James McDonald Jr. (left) and Joseph Bidwell (right) with Dean Lawrence Goldblatt

research associate in the Endocrine Research Unit at the Mayo Graduate School in Rochester, Minn., and a marine biologist at Columbia University, New York, and the Woods Hole Oceanographic Institution in Massachusetts. He holds a PhD degree in physical chemistry from Case Western Reserve University.

At IU, Dr. Bidwell and his laboratory team study the mechanisms by which genes are turned off and on in bone cells. This knowledge can be valuable in the design of drugs for the treatment of such diseases as osteoporosis and bone cancer. His group focuses on mechanisms that involve the bending of genes to alter gene activity. "It appears that nature uses bends and kinks in the long strands of DNA, which contain the genes, to control gene activity," he says. "We believe we have discovered a family of proteins that bend or kink DNA in bone cells to control bone formation."

Dr. McDonald, professor of preventive and community dentistry, received the Distinguished Faculty Award for Teaching. He was appointed to the IU School of Dentistry faculty in 1968, after earning a PhD degree in dental sciences from IU, and has been a devoted teacher ever since.

Dr. McDonald has taught a wide range of subjects including nutrition and oral biology. In recent years he has emerged as a leader in the school's efforts to reform the predoctoral curriculum. In March 1999 he was appointed to the school's newly created administrative position of Associate Dean for Dental Education after serving for a time as director of curriculum support. In his new position, Dr. McDonald will direct the Office of Dental Education, which will work in concert with the curriculum committee and the school's other associate deans to support the faculty and students in the development and assessment of the curriculum.

Staff and students receiving recognition during Research Day:

Staff

John O. Butler Company's Staff Awards for Research Excellence:

Janice M. Warrick—1st Place
Director of the Bioresearch Facility
Poster: "Laboratory and Clinical Calculus Trials in Dogs"

Michelle A. Moore—2nd Place
Research Technician
Department of Oral Biology
Poster: "Neutrophil Activation, Phagocytosis and Killing of *Streptococcus mutans* Clinical Isolates"

Allied Dental Programs

IUSD's Best Dental Hygiene Table Clinic Award:

Ann E. Burroughs
Lori L. McAdams
Camile E. Schaeffer
(2nd Year Students)
Clinic: "Veterinary Dentistry: Another Employment Opportunity"

IUSD's Best Dental Assisting Table Clinic Award:

Andrea N. Ronan
Christina M. Mourning
Jerome E. Williams Jr.
Clinic: "Stop Grinding Your Teeth: Bruxism"

Procter & Gamble Co. Dental Hygiene Award:

Stormy L. Smith
(2nd Year Student)
Clinic: "Detecting Oral Cancer: You May Save a Life"

Predoctoral Dentistry

ESPE America, Inc., Clinical Presentation Awards:

Tyler J. Potter—1st Place
(4th Year Student)
Poster: "Assessment of System Maintenance on the Reduction of Ambient Nitrous Oxide Levels"

Chad O. Hazelrigg—2nd Place
(4th Year Student)
Clinic: "Recognition and Treatment of Dental Erosion Resulting from Gastroesophageal Reflux: A Clinical Report"

Indianapolis District Dental Society's

Jack D. Carr Award:

Aaron Tropmann
(4th Year Student)
Poster: "In Vitro Effect of an H2 Antagonist on Neutrophil Activity"

Procter & Gamble Co. Award for Excellence in Preventive Oral Health Care:

Cory B. Sellers
(4th Year Student)
Poster: "Objective Measurements of Tooth Color Using the Chroma Meter Colorimeter"

American Dental Association/Dentsply International Student Clinician Awards (Indiana Division):

Jeffrey W. Erickson—1st Place
(3rd Year Student)
Poster: "In Vitro Secondary Caries/Microbial Growth Around Different Dental Materials"

Darrin F. Blackman—2nd Place
(1st Year Student)
Poster: "Validation of Intraoral Methods for Determining Carbamide Peroxide Degradation"

Cyril S. Carr Dental Student Research Scholarship:

Mark J. Schymik
(3rd Year Student)
Awarded by IUSD for overall excellence in research. Mark's studies have investigated the effects of nicotine on human cells.

Graduate Dentistry

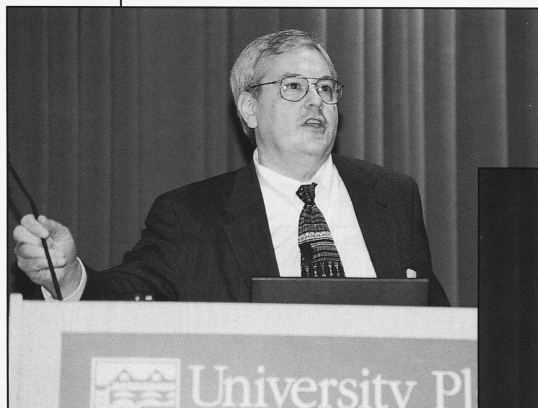
Maynard K. Hine Award for Excellence in Dental Research:

Milagros Toro
(PhD Degree Candidate)
Poster: "In Vitro Fluoride Dose-Response Study of Sterilized Enamel Specimens"

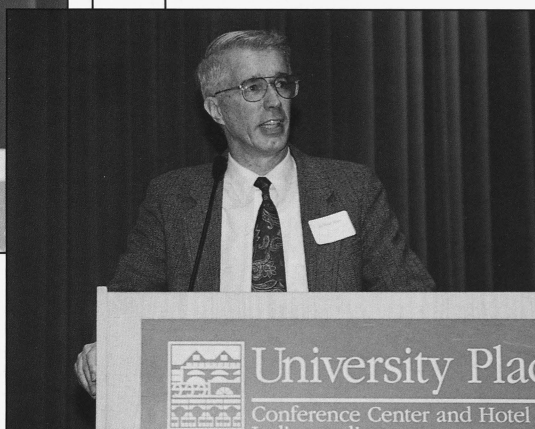
Shofu Dental Corporation Graduate Student Awards:

Sherie Dowsett—1st Place
(PhD Degree Candidate)
Poster: "Oral Carriage and Intrafamilial Clustering of *Helicobacter pylori* in Guatemala"

David Albright—2nd Place
(Orthodontic Student)
Poster: "Comparison of Force-Moment Systems in Orthodontic T-Loop and Triangular Loop Springs"



Keynote speaker Stephen Bayne, national AADR president



Bruce Matis, AADR president (Indiana Section), led the Research Day organizing committee.



Award recipients, back row from left: Darrin Blackman, Mark Schymik, Jeffrey Erickson, Aaron Tropmann, Lori McAdams, and Ann Burroughs. Middle: Andrea Ronan, Stormy Smith, David Albright, Camile Schaeffer, and Janice Warrick. Front: Jerome Williams, Christina Mourning, Michelle Moore, Milagros Toro, and Sherie Dowsett. Not pictured are Tyler Potter, Chad Hazelrigg, and Cory Sellers.

Dental Caries Researchers Revisit Topic at '99 Meeting

An Indiana University conference, created in 1996 to offer scientists a forum on the IUPUI campus in which to discuss their ideas and research studies with other scientists from around the globe, was held for the fourth time in May 1999.

This year's topic, "Early Detection of Dental Caries II," was revisited from the inaugural meeting. About 130 persons participated in the four-day conference, held at University Place Conference Center & Hotel, May 19-22.

The Indiana Conference was established in 1996 by Dr. George Stookey, then associate dean of research and acting dean of dentistry (now the school's executive associate dean). Generous funds from Procter & Gamble, Cincinnati, Ohio, made the first conference possible as well as all subsequent programs. In addition to funding the meetings, Procter & Gamble has covered the cost of publishing the conferences' proceedings as hardback books.

In 1999, 23 researchers representing nine nations gave papers on a variety of subjects related to the early detection of dental caries, including advances made on a number of techniques and methods currently being studied for their potential to recognize dental decay long before dentists can see it on a radiograph or detect it with a dental instrument. Five of the papers were presented by researchers of the Indiana University School of Dentistry and Oral Health Research Institute.

According to Dr. Stookey, the current method of detection—a visual-tactile clinical examination used in combination with radiographs—is unable to detect dental caries until the lesions are relatively well advanced and have progressed to involve 300-500 microns of enamel. Lesions of this size, which have been developing for one to two years, are difficult to reverse with fluoride treatments and almost always require restorations eventually.

Dr. Stookey is confident that the work researchers are conducting now will one day provide both dentists and patients with mechanisms to fight dental decay early on. "These technologies may be expected to permit detection of lesions before they can be seen visually or radiographically," he said, "and to justify the application of professional and self-administered treatments to control or reverse the lesions."

Continued page 26



George Stookey (standing right) leads a session during IUSD's four-day Indiana Conference, which addressed the early detection of dental caries.

Photos by Mike Halloran

Researchers who conduct clinical trials and dental manufacturers are two other groups likely to benefit from these technologies, Dr. Stookey says, because the new techniques would help reduce the subjectivity of visual-tactile exams, which would in turn lead to less expensive trials. "Because of the inherent subjectivity of visual-tactile exams, the variation in caries rates among subjects, and a number of other factors, clinical trials must involve large panels of subjects," he said. "They are therefore extremely expensive—a factor that has curtailed much research in the development of more innovative caries-preventive strategies. Improved diagnostic procedures will again permit clinical trials of innovative inter-

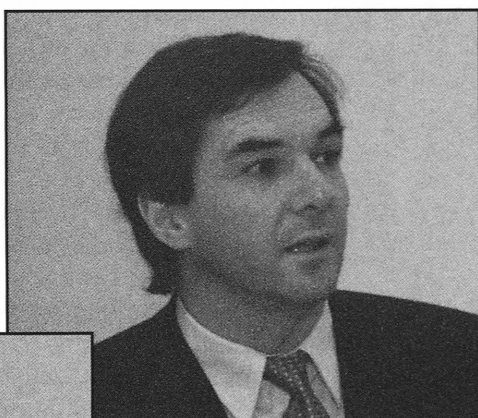
ventions for further enhancements in caries prevention and control."

In addition to the conference's manuscript presenters, 10 other researchers, most of them graduate or postdoctoral students, presented scientific abstracts during a poster session. Several students were once again able to participate in the conference because of \$1,000 Student Travel Grants sponsored by Procter & Gamble.

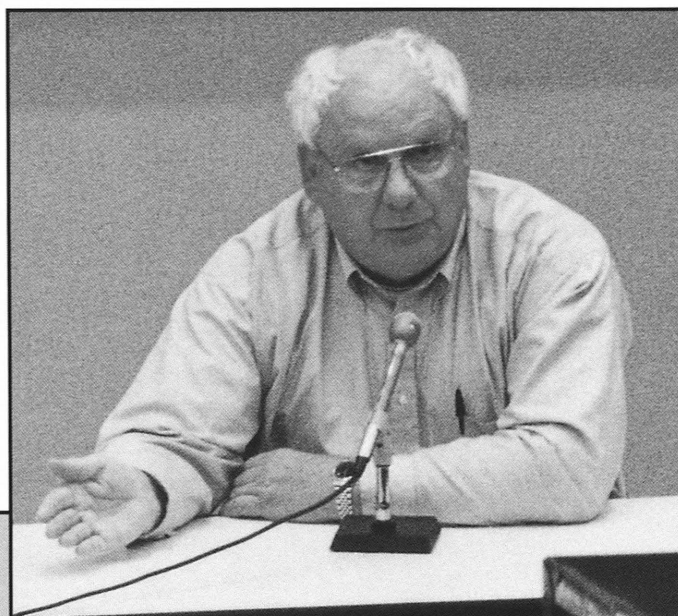
Unique to this year's program was a panel of experts in leadership positions in dentistry who discussed the acceptance and applications of new caries detection methods in dental schools and dental practice. The group included Dr. Richard Valachovic, executive director of the American Association of Dental Schools,

Washington, D.C.; Dr. Douglas Benn, Department of Oral and Maxillofacial Surgery and Diagnostic Sciences, University of Florida, Gainesville; Dr. Albert Kingman, chief statistician, National Institute of Dental and Craniofacial Research, Bethesda, Md.; Dr. Elmar Reich, dean of dentistry at the University of Saarland, Homburg, Germany, and member of the Commission of the Federation Dentaire Internationale; and Dr. Kenneth Burrell, of the American Dental Association Council on Scientific Affairs, Chicago.

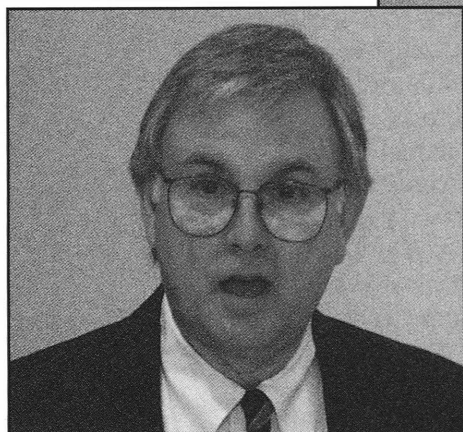
Their papers, and those of the 33 researchers featured during the conference, will be published as a monograph in early 2000.



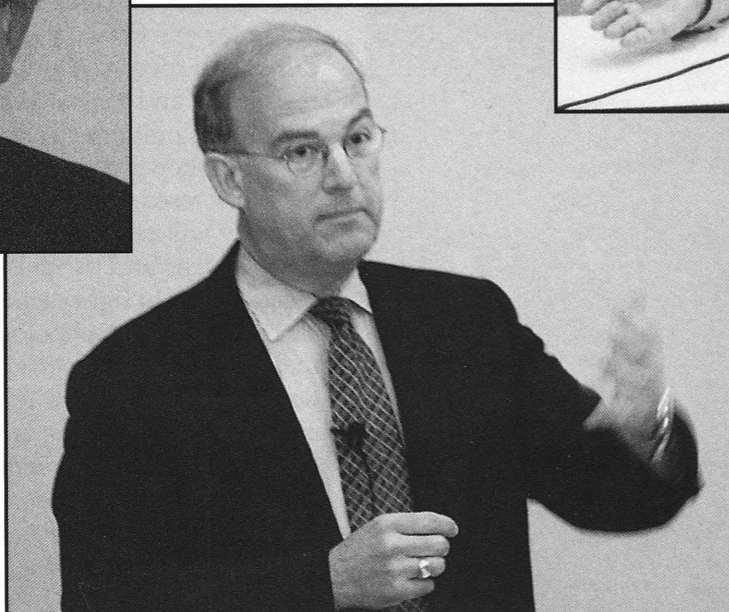
Dr. Reich, Federation Dentaire Internationale



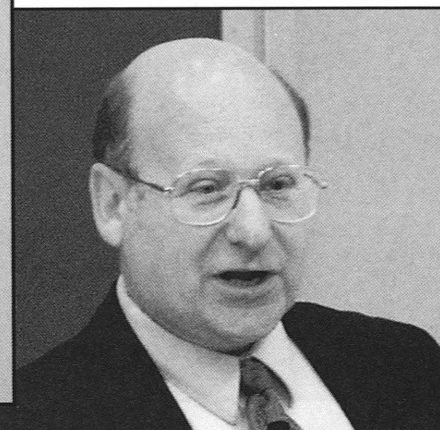
Dr. Kingman, National Institute of Dental and Craniofacial Research



Dr. Burrell, American Dental Association



Dr. Valachovic, American Association of Dental Schools



Dr. Benn, University of Florida

Grad Student Profiles

SARANDEEP SINGH HUJA

Hometown: Bombay, India. **Dental education:** BDS (1987) and MDS/orthodontics (1992), Bombay University. **IU graduate programs:** dental sciences and orthodontics (majors), life sciences (minor). **Dissertation:** *Microhardness, strains and microdamage in bone surrounding endosseous implants subjected to bending fatigue loads.* **Degree/Certificate:** PhD in dental sciences, May 1999, and orthodontic certificate, July 1999. **Plans:** To enter the advanced standing DDS program at the University of Nebraska, Lincoln.

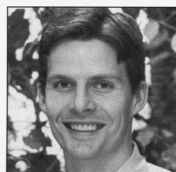
Photos by Tom Meador



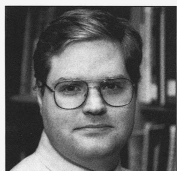
Dr. Huja

EDWARD MATTHEW SAMMONS

Hometown: Kentland, Ind. **Dental education:** DDS, Indiana University, 1995. **IU graduate programs:** pediatric dentistry and orthodontics (majors), oral pathology and life sciences (minors). **Thesis:** *Cephalometric similarity among parents of individuals with sporadic isolated cleft palate: Is there evidence for an inherited predisposition?* **Degree/Certificates:** pediatric dentistry certificate, July 1997; MSD and certificate in orthodontics, July 1999. **Plans:** To practice pediatric dentistry and orthodontics in a private practice in Lafayette, Ind.



Dr. Sammons



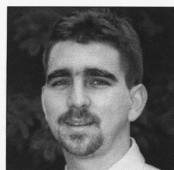
Dr. Selders

ROBERT J. SELTERS JR.

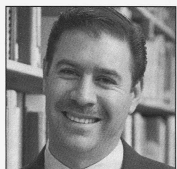
Hometown: Omaha, Neb. **Dental education:** DMD, University of Louisville, 1996. **IU graduate program:** periodontics (major), oral pathology (minor). **Thesis:** *Evaluation of three strains of Streptococcus mutans for root caries activity in dentin.* **Degree:** MSD, May 1999. **Plans:** To conduct a private solo practice (periodontics and implants) in Batesville, Ark.

ALDO E. SORDELLI

Hometown: Caracas, Venezuela. **Dental education:** DDS, Universidad Central de Venezuela, 1994. **IU graduate program:** periodontics (major), oral pathology (minor). **Thesis:** *An in vitro study to determine the oxidative response of bisphosphonate and estrogen-treated human neutrophils to titanium disks.* **Degree:** MSD, June 1999. **Plans:** To pursue a fellowship in implantology at the University of Pennsylvania, and then to set up private practice in Caracas.



Dr. Sordelli



Dr. Zapata

CARLOS A. ZAPATA

Hometown: Cancún, Mexico. **Dental education:** DDS, Universidad Intercontinental, Mexico City, Mexico, 1985. **IU graduate program:** periodontics (major); oral pathology, and preventive and community dentistry (minors). **Thesis:** *Influence of nicotine upon IL-6 and IL-1 β production by human periodontal ligament fibroblasts.* **Degree:** MSD, June 1999. **Plans:** To go back to "paradise" to my 10-year-old practice in Mexico (and to get some color back to my skin).

On Course

Indiana University School of Dentistry Continuing Education Calendar

(Courses held in Indianapolis unless otherwise stated)

October 16

CE-582 Are Aches, Pains, Sprains, and Strains Affecting the Quality of Your Practice and Your Lifestyle?

Mr. Brian Pease, Indianapolis

October 20

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

Dr. Susan Zunt, IU associate professor of oral pathology

October 27

CE-581 Medicine, Emergencies, Pain, and Anxiety Control in Dentistry (co-sponsored with Delta Dental Plan of Indiana and the Delta Dental Fund)

Dr. Stanley Malamed, University of Southern California, Los Angeles

October 29, 30

CE-584 Periodontal Surgery for the General Dentist—lecture and workshop

Dr. Donald Weissman, Chicago, Ill., and Dr. Donald Newell, IU associate professor of periodontics

October 30

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

Ms. Sue Kelly, IUSD teaching coordinator for CPR

November 6

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

Dr. Louis Rose, chief of the Division of Implant Dentistry and Osseointegration, Allegheny University of the Health Sciences, Philadelphia, Pa.

November 12

CE-587 Creating an Empowering Plan: Applied Strategic Planning for Your Life and Practice

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

November 19

CE-589 Periodontics for the New Millennium: From the Laboratory to the Clinic (1999-2000 Dental Hygiene Series Part II)

Dr. Roy Page, associate dean for research, University of Washington School of Dentistry, Seattle

December 3

CE-591 Practical Crown and Bridge for Predictable Esthetics (Indiana Dental Association—IUSD Academy of Continuing Education)

Dr. Gerard Chiche, chair of prosthodontics, Louisiana State University, New Orleans, La.

2000

January 15

CE-594 Radiology for Dental Personnel—lecture

Gail Williamson, IU professor of dental diagnostic sciences

January 22

CE-594 Radiology for Dental Personnel—laboratory

Professor Gail Williamson

January 27-29

CE-596 Regaining Pleasure and Success with Complete Dentures—comprehensive lecture (The Earl Pound Demonstration Course)

Dr. W. F. "Jack" Turbyfill, West Columbia, S.C.

February 4, 5

CE-597 Lingual Appliances: A Typodont Workshop for Orthodontists

Dr. J. Courtney Gorman, IU assistant professor of orthodontics

February 11

CE-598 Provisional Restorations in Restorative Dentistry

Dr. Thomas McDonald, Medical College of Georgia, Augusta

February 18

CE-600 Oral Health Products for Home Use: What Should I Recommend? (Dental Hygiene Series Part III)

Ms. Karen Baker, University of Iowa College of Dentistry, Iowa City

Having Writ, He Won Again

March 3

CE-602 The 2000 Jarabak Memorial Lecture (topic to be announced)

Dr. Robert Boyd, San Francisco, Calif.

March 11

CE-603 The Maynard K. Hine Memorial Scholarship Lecture: An Overview of Periodontal Reconstructive Therapy (co-sponsored with the Indiana Section of the American College of Dentists)

*Dr. Robert Schallhorn, University of Colorado School
of Dentistry, Denver*

April 15

CE-608 Productivity of Design: Schedule Efficiently, Collect Effectively, and Communicate Responsibly

*Jennifer de St. Georges, Jennifer de St. Georges &
Associates, Monte Sereno, Calif.*

May 20

CE-611 Anterior Esthetics: Determinants for Success (IDA—IUSD Academy of Continuing Education)

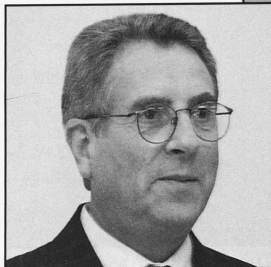
Dr. Robert Winter, Seattle, Wash.

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.

phone: (888) 373-4873

fax: (317) 274-2419

email: ce@iUSD.iupui.edu



*Hine lecture presenter,
William Binnie (MSD'67)*

Congratulations are in order for dental student Anthony "Tony" G. Petrilli, who has won, for the second consecutive year, an essay contest sponsored by the Indiana Section of the American College of Dentists (ACD).

The contest is part of the ACD's annual Maynard K. Hine Memorial Scholarship Lecture, held in conjunction with the IU dental school's continuing education division. During the 1999 program, which took place at the school on March 13, Tony read his award-winning paper titled "Ethics, Values, and Moral Reasoning of Dental Students, and the Role Ethics Education Plays: A Dental Student's Perspective." Tony is a member of the Class of 2000.

Serving as host of this year's lecture was the oral pathology division

of the Department of Oral Surgery, Medicine, and Pathology. The school welcomed back good friend and alumnus William H. Binnie (MSD'67), who presented a lecture on the diagnosis and management of oral mucosal diseases.

Originally from Glasgow, Scotland, Dr. Binnie is a longtime faculty member of the Baylor College of Dentistry, Dallas, Texas, serving as professor and chair of the Department of Oral Pathology.

The ACD's Hine lectureship is now in its eighth year. As in past years, the College presented a scholarship to the host division to support research and teaching. Accepting the scholarship on behalf of IU's division of oral pathology was Dr. Charles E. Tomich, professor of oral pathology.



Photos by Mike Halloran

Dental student Tony Petrilli (second from right), of Orange Park, N.Y., with representatives of the American College of Dentists. From left: Sally Sturgeon (DDS'76), Bloomington, outgoing president of the ACD's Indiana Section; incoming ACD president Diane Buyer (DDS'82), Indianapolis; and ACD regent representative B. Charles Kerkhove (DDS'62, MSD'65), Indianapolis. Drs. Sturgeon and Buyer exchanged the presidential gavel at this annual spring meeting.

Classes

FACTS FROM THE FIELD

1944 • Charles O'Brien (DDS), Indianapolis, has completed his 53rd year as a dental practitioner. "I am still in good health, but will wind down to retirement soon," he reports.

1949 • Thomas Boardman (DDS) and his wife, Margaret, Lafayette, have been married 50 years.

1955 • Doris Klitzke (ASDH-IN), Waukesha, Wisc., is listed as one of the Top Ten swimmers in the U.S. Masters Swimming organization for female swimmers in the 60-64 year age group. Founded in 1970 to promote fitness and health in adults, the USMS has more than 30,000 members in 53 geographic locations. The USMS annually tabulates the 10 fastest times in each swimming event and each age group by gender and course. While competition is encouraged, more than half the members are fitness swimmers. Doris's name has been appearing on the Top Ten list for several years for her speed in short and long course meter swims and in the short course yard event. She belongs to the Wisconsin Masters Aquatic Club.

1957/75 • Laurence Gray (DDS'57) and **Alice Gray (ASDH-FW'75)** are retired. Their new address is 5219 Forest Grove Dr, Ft. Wayne IN 46835-3711.

1962 • Thomas Sherman (DDS) has retired. He and his wife, Kathy, are at home at 11709 Palm Ave, Bakersfield CA 93312.

1970 • William Corbin (DDS) recently retired from active duty in the U.S. Army Dental Corps. He and his wife reside at 2523 Walnut Loop NW, Olympia WA 98502.

1974 • We noticed in a recent copy of *Dental Alumni News*, a publication of the University of Washington Dental Alumni Association, that **Patrick Fleege (MSD/Pediatric Dentistry)** has finished a term as president of that association. Dr. Fleege earned his dental degree from the University of Washington in 1970.

1975 • Joseph Jacobi (DDS), Jeffersonville, received fellowship status in the Academy of General Dentistry during ceremonies at the annual session in Boston, Mass., in July 1998.

1983/79 • Lawrence Falendar (DDS'83), an oral and maxillofacial surgeon in Indianapolis, was recently honored as a diplomate of the International Congress of Oral Implantology. He is also a diplomate of the American Board of Oral and Maxillofacial Surgeons. He and his wife, **Suzy (Fivel) Falendar (ASDH-FW'79)**, reside in Carmel and have two children.

1997 • Watcharaporn Kuphasuk (MSD/Operative Dentistry), Bangkok, Thailand, has become the first international dentist (non-U.S. licensed) to pass the American Board of Operative Dentistry examination and to be certified by that group. Dr. Kuphasuk is on the dental faculty of Mahidol University in Thailand.

ADDRESSES

1956 • Thomas Sevier (DDS), 233 Trail of the Flowers, Georgetown TX 78628

1960 • Zack Kasloff (MSD/Prosthodontics), 6969 E Girard Ave, Denver CO 80224

1977 • Frederick Spath (DDS), new e-mail: spath@gte.net

1982 • Ann Lemna (ASDH-FW), 154 Abbey Rd, Noblesville IN 46060

1986 • Ridge Gilley (DDS) has a new assignment at Bolling Air Force Base, Washington, D.C. Home address: 2705 London Plane Ct, Waldorf MD 20603 (ridge.gilley@bolling.af.mil).

1986 • Janet (Hartwig) Woldt (ASDH-NW), 4102 76th St, Urbandale IA 50322

1987 • Kurt VanWinkle (DDS), 10807 Seaview Ln, Indianapolis IN 46236

1994 • Timothy Bussick (DDS) has a new office at Midwestern Office Park, 7207 Engle Rd, Ft. Wayne IN 46804.

1998 • M. Patrick Pedlar (MSD/Prosthodontics), 634 King Rd, Burlington, Ontario, Canada L7T 3K4

CORRECTION

In the last issue of the *Alumni Bulletin*, Dr. Wallace Chong's graduating class was incorrectly identified. Dr. Chong, of Hilo, Hawaii, is a member of the DDS Class of 1965. We regret the error.

DEATHS

FRIENDS

Dorothy Phillips, Indianapolis, widow of **Dr. Ralph Phillips** (MS'50), the IU dental school's internationally renowned research professor of dental materials, died May 2, 1999. Mrs. Phillips was a longtime friend of the dental school who served for a time as president of a club the school used to have for faculty wives. She was a member of Tri Delta sorority. Dr. Phillips preceded Mrs. Phillips in death by eight years. The couple's daughter, Cheryl Dale Shipp, and two grandchildren survive.

Dr. Richard Pugh, Bloomington, died May 3, 1999. Dr. Pugh was a longtime professor of education on the Indiana University Bloomington campus who had been serving as acting executive associate dean of Bloomington's School of Education.

For many years Dr. Pugh contributed to the dental school's faculty development program, which was under the direction of **James Roche** (DDS'47), then associate dean for academic affairs (now retired). IUSD faculty with an interest in honing or refreshing their teaching skills were given an opportunity to earn up to nine credit hours through the School of Education. Dr. Pugh was one of the Bloomington professors who made this faculty enrichment program possible; he traveled weekly from Bloomington to the dental school to offer his courses on site. Graduate dental students also benefited from this arrangement, including many master's degree candidates whose enrollment in these classes enabled them to earn a minor in education.

Claude Rich, Bloomington, well-known to many dental graduates for his tireless contributions to the IU Alumni Association, died Feb. 10, 1999. Mr. Rich's 44-year career at IU included a longtime stint as alumni secretary. The IUAA membership increased almost sevenfold under Mr. Rich's leadership, according to *Indiana Alumni Magazine*. Among numerous awards and honors he earned in his lifetime was an award presented by the American Alumni Council to the top 1 percent of alumni associations in the U.S. and Canada.

Mr. Rich spent the final six years of his official IU career as director of university relations, although his profile at IU remained high long after his retirement in 1976.

Mr. Rich's involvement with the dental alumni began more than a half-century ago. In 1942 he helped **James Huckelberry** (DDS'24), then president of the IUSD Alumni Association, and others organize the school's first Fall Dental Alumni Conference in Bloomington, then a one-day celebration. It was a big hit, drawing 150 persons to the noon luncheon in spite of World War II rationing. "Mr. 'Dixie' Heighway and Claude Rich of the University Alumni Association left no stone unturned to see that the Dental Alumni Association was royally entertained," the *Alumni Bulletin* reported in October 1942.

Mr. Rich received the IUSD Alumni Association's Distinguished Service award in 1975. To the end, he remained a faithful friend to the dental school.

ALUMNI

1928 • Lewis Compton (DDS), Indianapolis, May 18, 1999. He retired in 1990 after 60 years in practice. He was a veteran of World War II. He was a graduate of the Forsyth Dental Infirmary for Children in Boston. Dr. Compton's survivors include his wife, Beth; and sons, Tom, John, and Steve.

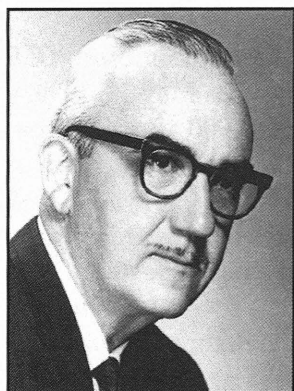
1928 • Delmar Curry (DDS), Franklin, formerly of Indianapolis, April 13, 1999. He retired in 1985 after practicing 57 years. Dr. Curry is survived by his wife, Eleanor.

1928 • Joseph Paukstys (DDS), Antioch, Ill., Jan 1, 1999

1932 • Evan Steele (DDS), Franklin, May 22, 1999. He practiced in St. Paul for 32 years, retiring in 1964. Dr. Steele's survivors include his wife, Lydia; son, Gregg; and stepsons, Tom and Richard Mueller.

1932 • Meredith Tom (DDS), LaPorte, May 20, 1999. He retired in 1979 after practicing in Union Mills for 47 years. Dr. Tom was a member of Omicron Kappa Upsilon national honor dental society. He was a past president of the LaPorte County dental organization. Survivors include his wife, Helen; daughter, Jane Braziunas, Seattle, Wash.; and son, Alan Tom, Chapel Hill, N.C.

1940 • Doyle Pierce (DDS), Lebanon, June 19, 1999. He retired from the Army with the rank of major. His retirement from dental practice came in 1982. Dr. Pierce was preceded in death by his wife, Veda. Survivors include his children, Judith Dunwoody and Barton Pierce.



Dr. Mellion

1943 • Ruth Berman Mellion, West Hartford, Conn., has informed the dental school of the death of her husband, **Gilbert LeVine Mellion** (DDS), on March 26, 1999.

Dr. Mellion was the first full-time dentist in Rocky Hill, Conn., where he practiced from 1946 to 1987. (*The American Dental Directory* now lists 21 non-retired dentists in that town.) Between graduation and setting up practice, Dr. Mellion was a captain in the U.S. Army Dental Corps during World War II.

"Influenced by one of his professors in dental school, Dr. Mellion became interested in the field of nutrition, especially as it relates to dental health," the *Hartford Courant* reported in its announcement of Dr. Mellion's death. "He lectured extensively on the subject throughout the state. He later joined his wife, Ruth, a nutritionist, in publishing several articles on the special relationship of nutrition to dental health." In 1990, Dr. Mellion was honored as a 40-year member of the Connecticut Nutrition Council Executive Committee representing the Connecticut State Dental Association.

Dr. Mellion studied at the University of Connecticut before coming to dental school at IU; he remained an avid supporter of Connecticut's alumni association

throughout his life and was a former president of that organization. He was a former chair of the Connecticut Nutrition Council and the Connecticut Joint-Dental-Pharmaceutical Committee.

Dr. Mellion's numerous honors for leadership in dentistry included service awards from the Connecticut State Dental Association and the University of Connecticut. He was a fellow of the International College of Dentists and an honorary member of the Connecticut Pharmaceutical Association. He received the Hartford Dental Society's highest honor, the Award of Merit, for his contributions to the fields of pharmacology and nutrition in relation to dentistry.

When Dr. Mellion retired from dental practice, he donated his dental equipment to the city of Hartford to help in the establishment of a dental clinic for indigent school children. After retiring, Dr. Mellion worked as a docent in the New Britain (Conn.) Museum of American Art and pursued his artistic hobbies. He became an artist in watercolors and designed stained-glass Tiffany-style lamps.

Dr. Mellion's survivors include his wife, Ruth, and children, Bruce, Hartsdale, N.Y.; Paul, San Anselmo, Calif.; Joan, San Rafael, Calif.; and Dan, Tiburon, Calif.

1943 • Harlan Shupert (DDS), New Castle, Feb 12, 1999

1943 • Robert White (DDS), Ocala, Fla., Feb 27, 1999. Dr. White's survivors include his wife, Marjorie.

1952 • Arthur Gilliom (DDS), Churubusco, Jan 1, 1999

1952 • Alva Huff Jr. (DDS), Bloomington, April 7, 1999

1953 • Thomas Tanner (DDS), South Bend, July 19, 1999. He was a fellow of the International College of Dentists and a former president of the St. Joseph County dental organization. Dr. Tanner's survivors include his wife, Dorothy; and children, Lori Capell, Alamosa, Colo., and Lisa Kuehn and Eric Tanner, both of South Bend.

1960 • William Dudley (DDS), Indianapolis, March 27, 1999. He retired in 1992 after conducting a private practice for 32 years. He was an Army veteran of the Korean War. Dr. Dudley's survivors include his wife, Susanne; children, Drs. Todd and Tim Dudley and Shannon Collins; and mother, Opal Dudley. Dr. **Tim Dudley** is a 1986 graduate of the IU dental school.

1972 • David Dennis (DDS), Kentland, July 21, 1999. He had practiced in Kentland since 1973, and was the Newton County coroner for 15 years. He was president of the Indiana Coroners Association in 1998, and a member of the Indiana Coroners Training Board. He had served as an extramural faculty practitioner for the IU dental school, and was on the school's oral diagnosis/oral medicine faculty in the mid-1970s.

Dr. Dennis was a graduate of the Armed Forces Institute of Pathology, serving 29 years in the Air Force and Air Force Reserve. He was a veteran of the Vietnam War, retiring with the rank of lieutenant colonel. He was the recipient of the Distinguished Flying Cross and Air Medal.

Dr. Dennis is survived by his children, Katherine Forthofer, Mary Dennis, and Ryan Dennis.

TRIBUTE

In Memory of Michael

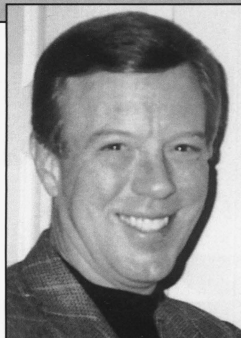
We are pleased to share a personal tribute written for the Alumni Bulletin by a family member of Michael P. Muller (DDS'75, MSD'80/Oral and Maxillofacial Surgery), whose death on February 3, 1999, was reported in the last issue.

Dr. Muller, formerly of Indianapolis, had lived and practiced in New Albany. While the lengthy obituary published in the Indianapolis Star reflected the achievements of an enormously talented, civic-minded healthcare professional, Dr. Muller's brother, David P. Muller, writes poignantly on the loss of the man.

"He was my doctor. He was my doctor," was all an old woman said when she looked on him at the funeral home. Dr. Michael P. Muller had been on another adventure, this time a fishing trip in Mexico, when he unexpectedly died at the age of 50. She could not have described my brother better.

The word doctor comes from the Latin word for teacher, and "He was my doctor" says much about this superb teacher and healer. By his example he taught complete living.

Mike Muller was a highly accomplished and respected oral and maxillofacial surgeon who earned an enviable reputation, for good reason. I was with him one Christmas Eve when he got a call about an accident, and we went to the hospital together. After he examined his patient, Mike told me she could wait overnight, but he could not. He did not consider waiting to be an option when he was called for help, and he operated shortly after midnight. The hospital staff was, I saw, eager to help the doctor who so cared, not only for his patient, but for all around him, treating everyone with respect and consideration.



Dr. Muller

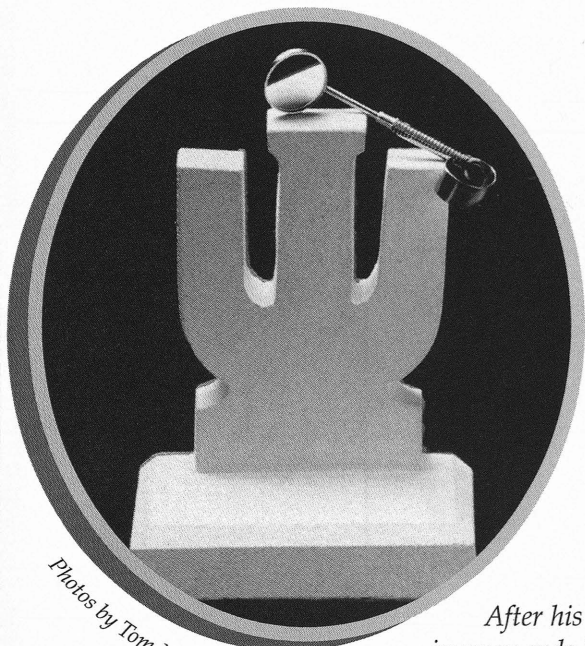
Mike's success was the result of talent, caring, loving family support, and discipline. He allotted his time to maximize his accomplishments in his profession and all his activities. He cultivated knowledge and insight yet also knew trivia, about which we enjoyed matching wits. His full living led him to enjoy cave exploring, scuba diving, jet skiing, and a variety of other activities and challenges.

This devoted husband and father traveled widely with his family, sometimes with mixed reviews, but always expanding life's experience. He avidly studied history and became expert about his destinations. His detailed inspection of places he visited was something to see, when others may have preferred doing something else. He would not have been Mike if he were not thorough.

He embraced life in an inspiring way.

The example of this man of few words but extraordinary action is a gift to be shared, and I believe the number of people helped by him will increase. As long as anyone benefits from his example, it will be well said, "He is my doctor."

David P. Muller
Indianapolis



Photos by Tom Meador

New Mirror Lends a Helping Hand

After his long journey ends in the patenting of an innovative dental mirror, alumnus and inventor Stephen L. Ballard (DDS'84), of Evansville, finds sure footing on the road to the marketplace with help from his alma mater.

by Susan Crum

Dr. Steve Ballard remembers the exact moment he first realized that certain procedures performed in the dental office demand the knowledge of a dentist, the patience of a saint—and the hands of a circus juggler.

He was sitting chairside in his private practice, treating a patient, just a year or two after graduating from the IU dental school. "I was doing an anterior composite resin on a maxillary tooth," he recalls. "While filling the tooth from the lingual side, I was simultaneously holding the Mylar strip between the patient's teeth and juggling the mouth mirror between two fingers and a thumb. I thought to myself: There's got to be a better way."

Not finding one, he decided to create one.

Today, Dr. Ballard the dentist can also be referred to as Dr. Ballard the patented inventor. Practitioners flipping through the pages of the Henry Schein company's fall 1999 dental catalog

will see the Evansville dentist's creation: the Ballard Dental Ring Mirror, designed by Dr. Ballard to provide dental professionals with better vision, flexibility, and efficiency as they perform a wide variety of dental procedures.

On the road to the marketplace, Dr. Ballard didn't have to travel alone. He was the first IU dental alumnus to take advantage of a relatively new marketing service offered by the IU School of Dentistry to any IUSD graduate holding a patent on a technique, device, or product. The service is part of a program directed by technology transfer specialist Jude Wilkinson, who was brought on board in 1997 by dental school administrator Dr. George Stookey to pursue the mission of raising the school's profile as an institution with excellent capabilities in research and technology.

The *Chronicle of Higher Education* profiled IUSD's technology transfer program in 1998; at that time, the IU School of Dentistry was believed to be the only dental school offering marketing assistance to its graduates.

"We saw the service as an innovative strategy to help our alumni, who could in turn help us," says Dr. Stookey. "We understand that alumni don't have the time it takes to search for business contacts or to work out arrangements for licensing agreements. We are pleased to be able to do the searching for our graduates, and to lend them the expertise and experience we have in working with these contracts."

Dr. Ballard describes the services rendered to him by the school as "excellent." In May 1999 he visited the school in order to demonstrate his ring mirror for some of Indy's television news programs. Afterward, he talked to us about the joys and frustrations he experienced during the dozen or so years it took to turn an idea into a patent, a patent into an instrument, and an instrument into a marketable product.

The idea for a ring mirror popped into his head during that dental appointment for the anterior composite resin mentioned earlier.

Dr. Ballard remembers telling his assistant he wished there was a mouth mirror that could be attached to the hand so he wouldn't have to waste valuable operating fingers holding one. She suggested he make his own. He made note of the suggestion, but at first did nothing more than daydream from time to time about inventing a mouth mirror that is worn as a ring.

It took a couple more years of fussing to himself as he fumbled with anterior resins before deciding he'd had enough.

Dr. Ballard quit complaining, and started creating.

With scant talent as an artist, Dr. Ballard nevertheless took pen to paper, drawing the best he could a few rough sketches of a ring-style mouth mirror.

He then called an Evansville attorney, telling him about his proposed invention and asking how to get it patented. The attor-

ney referred Dr. Ballard to an Indianapolis firm specializing in work with inventors and patents.

Dr. Ballard showed his drawings to one of the firm's patent attorneys, who saw merit in the idea. The firm's search for a pre-existing patent turned up nothing.

That news elated the novice inventor, who felt he had been

given the green light to move ahead swiftly with his Good Idea.

He didn't know then that his personal quest to design a new mouth mirror would stretch on for years, and cover a terrain filled with valleys as discouragingly deep as the peaks were exuberantly high.

At the time, Dr. Ballard was simply delighted to be

engrossed in a creative project that held much promise as it began to take shape. The initial patent application, which cost him about \$2,000, included a professionally written description of the ring mirror, professionally rendered artwork, and another search for a pre-existing patent.

He submitted his application to the U.S. Patent Office with high hopes and big dreams. But, this time the patent search uncovered more than a dozen mirrors, invented over the past several decades. Dr. Ballard's mirror was considered too similar to some of them, so his application was turned down.

Continued page 36

About the Inventor

"Except for getting married, having my kids, and getting into—and out of—dental school, this is the biggest thrill of my life," Dr. Ballard says of his experience in creating a dental instrument and getting it to market. "I'm ecstatic."

Dr. Ballard drew on a well of patience and perseverance to stick with the project more than a decade. His self-professed stubbornness didn't hurt either.

"I'm competitive," he says. "I really hate to lose."

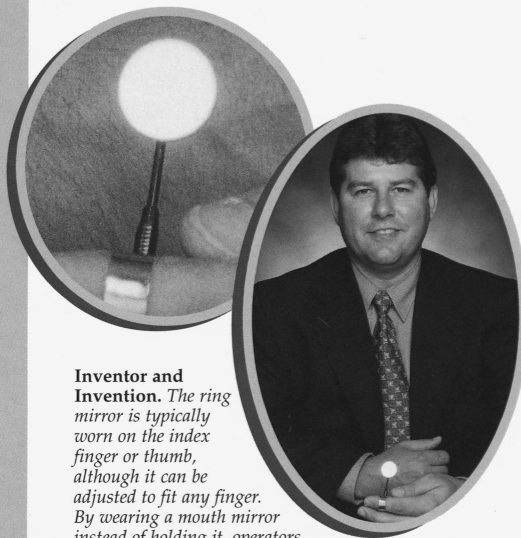
Dr. Ballard doesn't recall being especially inventive as a youngster. He spent most of his youth playing sports. "I did love to take things like watches apart, though," he says. "The neighbors down the street had a nice pendulum clock on their mantel that I 'explored' when they weren't home. I was less talented in getting these items back together."

Some of his steadfast ways may be genetic. Steve's parents were married after their freshman year in high school. "They went to six years of night school, receiving their high school diplomas a year before my brother earned his," he says proudly. For the sheer love of learning, Steve's parents went on to earn liberal arts degrees from the University of Evansville while continuing to hold full-time jobs. Today, Joan Ballard is an accountant at H&R Block and is also Steve's accountant and bookkeeper, and Forrest Ballard is a member of the maintenance team at Proform, a plastics plant in Evansville. After discussions with his dad, Steve added a rivet to his ring mirror to maximize the ease of its use.

Steve worked for Mead Johnson (now Bristol-Myers Squibb) while completing his undergraduate degree in chemistry and business administration at the University of Evansville, and for about a year afterward. He enjoys the practice of dentistry, especially the opportunity it gives him to help his patients. "Fortunately, I've always been outgoing," he says. "One of my biggest assets is that I can identify with my patients and their needs. It's something you can't really be taught."

Steve married Molly Myers in 1984, the year he finished dental school and she completed a nursing degree at the IU School of Nursing. Molly is a registered nurse at St. Mary's Hospital in Evansville. The couple have two children—Claire, 11, and Nolan, 7.

Dr. Ballard welcomes questions from alumni about his dental ring mirror. You can reach him by e-mail: Doctoring@aol.com.



Inventor and Invention. *The ring mirror is typically worn on the index finger or thumb, although it can be adjusted to fit any finger. By wearing a mouth mirror instead of holding it, operators are free to manipulate instruments and/or materials with both hands. Dr. Ballard says the mirror is useful in dental procedures that do not require tongue or cheek retractors. In his own practice, he uses the mirror to place anterior maxillary and mandibular composite resins, to place and cement or bond porcelain veneers, and to seat and check margins before crowns are cemented.*

He stewed for a while in his disappointment, letting the rejected application sit on his office desk for about a year and a half.

He had been turned down, yes, but was not yet turned off to the notion that he had a good idea worth holding on to.

Working again with the patent attorney, Dr. Ballard invested more time and money to revise his mirror and resubmit the

his bed, staring at the ceiling and ruminating on his not-yet invented invention.

The patent application had once again settled in among the dust collectors on Dr. Ballard's desk when the attorney informed him that the five-year limitation on his patent application was about to run out.

Dr. Ballard decided it was in him to take one last shot at it. He did, and the final revision for

But Dr. Ballard's euphoria waned as he gazed at his jury-rigged gadget and realized he was still a tremendously long way from his goal. Days, weeks, and months passed—now it was a patent instead of a rejected patent application cluttering his desk.

"First it was, 'I got the patent! I got the patent!'" Dr. Ballard says with a laugh. "Then it was, 'Well, I've got this patent, but I haven't anywhere to go *with* it. I've spent all this time and money—now what?'"

Another year and a half flew by. "I had lots of nights thinking that I had to do something about it," he says. "Finally, it hit me that maybe I could get the IU dental school to use the mirror."

Unbeknownst to Dr. Ballard, he was needing help finding a manufacturer just as the Indiana University School of Dentistry was finishing with plans to offer that very service to its alumni.

He found out about the service by accident. After a trip to Indy to meet with the patent attorney, Dr. Ballard decided to drop by the dental school to say hello to an old friend, Dr. Steve Dixon, a faculty member and former Evansville practitioner. Dr. Ballard gained far more from that visit than a chat with his buddy.

In the course of their visit, Dr. Ballard showed his patent to Dr. Dixon, who thought the ring mirror was a great idea. He immediately introduced Dr. Ballard to Dr. George Willis, then chair of restorative dentistry. Equally impressed with the prototype, Dr. Willis arranged for Dr. Ballard to meet with Associate Dean George Stookey, who was in the process of bringing Jude Wilkinson onto the IUSD staff as a technology transfer specialist.

The inventor's encounter with Dr. Stookey gave him fresh hope. "He's the greatest," Dr. Ballard says. "Dr. Stookey



Steve Ballard poses with, from left, Jeff Fasnacht, whose company, Midwest Orthodontics, is manufacturing the ring mirror; and Jude Wilkinson and George Stookey, who helped Steve team up with Midwest Orthodontics through a new marketing service offered by the dental school.

application. Still too similar. Rejected once again.

One by one, each remodeling job on the mirror was dismissed as "previously patented."

With a busy practice and a growing family demanding his full attention, Dr. Ballard finally put the ring mirror project out of his mind—that is, until the middle of the night—more nights than he cares to remember, actually—when he lay in

the Ballard Dental Ring Mirror was approved in 1995.

Dr. Ballard basked in his moment atop a very tall peak of personal achievement and satisfaction. He eagerly built several prototypes of the mirror, composed primarily of the heads of regular mouth mirrors, bits and pieces of radio antennas, and ring handles clipped from dental hygiene prophylaxis cups.

knew exactly what to do, and how to go about doing it."

Ms. Wilkinson and Dr. Ballard held their first meeting soon after she joined the school, in August 1997.

"Jude is very good at her job," Dr. Ballard says. He signed an 18-month, renewable agreement with the school. Within that time frame, it was agreed that IUSD would do the legwork in the search for a company to manufacture and license Dr. Ballard's mirror. In the event of an agreement being signed by Dr. Ballard and a company, Dr. Ballard would give IU a small percentage of his profits after first recovering costs he incurred in obtaining the patent—in his case, about \$7,000.

Dr. Ballard was pleased with what IU had to offer him. "I couldn't go wrong," he says. "Jude spent a lot of time and effort. She made packets of information and sent them to every dental manufacturer in the country we could think of."

The renewable clause in the agreement ultimately was unneeded.

Dr. Ballard was matched with a manufacturer 15 months after the search began. The months leading up to the agreement featured their own variety of ups and downs, but by now Dr. Ballard was well acclimated to the inventor's perpetually bumpy ride. He steeled himself for more rejections, and merely gritted his teeth when the first company to express an interest in the mirror not only rejected it but also sent the prototype back in two pieces (along with a note of apology).

Dr. Ballard found the match he was looking for in Mr. Jeff Fasnacht, owner of Midwest Orthodontics, Columbus, Ind. The two men signed a manufacturing and licensing agreement during a meeting in Dr. Stookey's office in November 1998.

Dr. Ballard was relieved to have IU's help with the search for a manufacturer, since he wasn't willing to spend valuable time away from his family and dental practice to peddle the instrument himself at dental conventions. He had also hoped to avoid the costly act of selling his idea in order to get the instrument made.

Midwest Orthodontics and Dr. Ballard lost no time fine-tuning the prototype into a bona fide instrument, which would sell for about \$10 apiece.

Before long, Mr. Fasnacht sent the inventor a package containing 10 shiny new Ballard dental ring mirrors. The box of instruments was worth about a hundred dollars, but from Dr. Ballard's perspective it was priceless, representing more than a decade of his life.

"I was thrilled to see the actual finished product," Dr. Ballard admits, blushing at the memory. "The mirror looked just like any other real instrument instead of that funny thing I had put together."

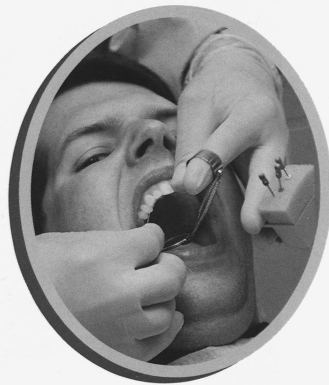
The patent on the mirror is in effect for 20 years. Dr. Ballard does not venture a guess as to how well he thinks his mirror will fare on the market, but he is confident that dentists who give it a try will find that it takes the juggling act out of several procedures, increases efficiency, and makes life in the operator's chair just a bit more simple.

As he enters the final, "wait and see" phase of his long adventure, Dr. Ballard is looking into the possibility of having IU conduct clinical studies of the mirror. He says he's glad he didn't give up his dream somewhere along the way.

"The finished product," says the dentist-inventor, "speaks for itself."

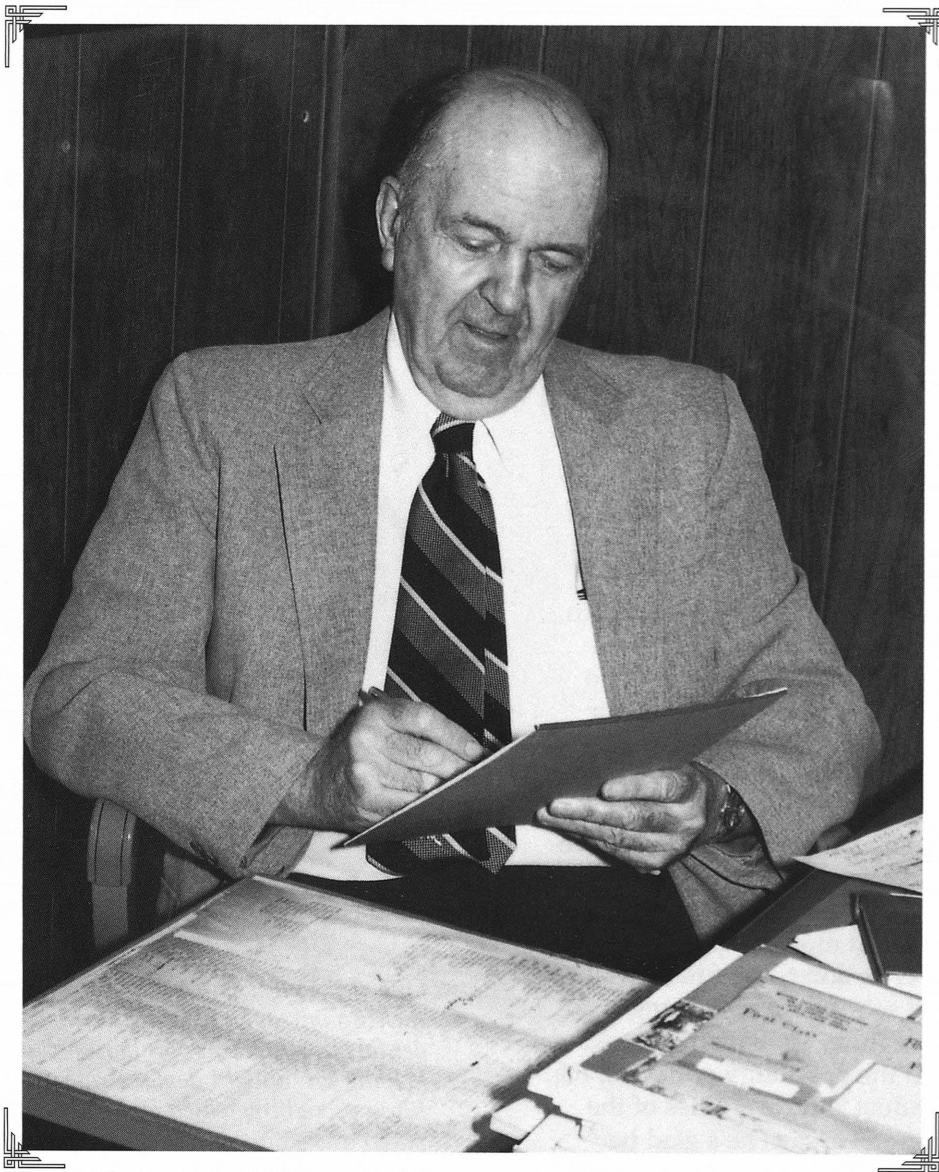
From Patent to Product

Jude Wilkinson (JD'89), the IU dental school's technology transfer specialist, is currently working on licensing negotiations with several other alumni who hold patents on dental instruments and products. Any IUSD graduate who is trying to find a market for a patented intellectual property is welcome to contact Ms. Wilkinson. If you have an interest in learning more about the school's marketing services, Ms. Wilkinson can be reached by phone (317/278-3290) or e-mail (jwilkin@iUSD.iupui.edu).



One of the most important ways Dr. Ballard uses the ring mirror in his practice. (Our thanks to dental student George Ballard for graciously helping Dr. Ballard demonstrate an endodontic filing procedure, which for the purposes of this photo was simulated. We are pleased to report that George doesn't have any root canal troubles—he's never even had a cavity.)

Saying Goodbye to *'The Professor'*



The Barton polish is applied to yet another manuscript.

As Paul Barton's editing pencil moved gracefully across the page of a manuscript, it made light, brushing sounds, like that of a tap dancer performing the soft-shoe.

When he occasionally paused to reflect on a revision before writing it down, the pencil balked at the time-out, hovering impatiently above the copy in a fit of curlicues, eager to move on.

Paul Barton worked through manuscripts swiftly, and, as anyone who was ever on the receiving end of his editing knows, he always made them better. He sharpened dull prose, tightened loose phrases, called inconsistencies on the carpet, and shined a bright light of clarity onto murky ideas.

And he managed all those tasks without the hint of a gloat or a "gotch-ya." This was easy for Paul Barton, because he loved, deeply respected, and welcomed all writers, whether they were coming through his door with their first college paper in hand or a draft of the eighth edition of a world-famous textbook.

He gave each document, and author, his undivided and respectful attention. There are thousands of his former students and co-workers around the globe who will never forget him for that.

Paul Barton was one of the finest science and medical editors in the country, and the IU School

of Dentistry was privileged to benefit from his membership on the faculty from 1968 until his retirement 20 years later.

His death in Indianapolis on April 7, 1999, saddened many, including Dean Lawrence I. Goldblatt, who was one of the speakers at memorial services held in Indianapolis on May 2. Referring to Professor Barton as a "constant friend, mentor, and cherished colleague," Dean Goldblatt remembered that Paul was among the first to offer a welcome when Dr. Goldblatt joined the faculty some 25 years ago.

The only journalism teacher ever hired by the School of Dentistry, Paul Barton was an anomaly on the IUSD faculty, but he adapted easily to IU's community of dentists, allied dental professionals, and researchers. He was often referred to simply as "the Professor" by his friends and colleagues, who were attracted to the journalist's gentle sense of humor, adept storytelling, and abiding affection for the Chicago Cubs.

He first came to the school's attention while he was on the faculty at Ohio State University. The IUSD Teaching Committee had invited him to address the topic of scientific writing as guest speaker at the school's annual teaching retreat.

"Of course, Paul did a great job as our speaker," Dr. Paul E. Starkey, professor emeritus of pediatric dentistry and former chair of the Teaching Committee, recently wrote from his home in Coos Bay, Ore. "Dean (Maynard) Hine wasted no time recruiting Paul."

Dean Hine undoubtedly based part of his decision to hire Professor Barton on the impressive contents of his curriculum vitae. Born in New Haven, Conn., he was educated at DePauw University (A.B.'39), Greencastle, Ind., and the University of Washington (M.A.'48), Seattle. He was a U.S. Marine Corps veteran of World War II.

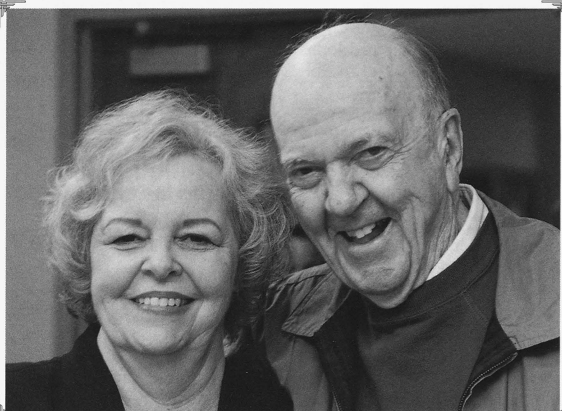
Preceding his 12 years on the journalism faculty at Ohio State, the Professor taught English at both the University of Washing-

In 1982,
Paul Barton
received a
prestigious honor
bestowed on few
other educators at
Indiana University:
the All-University
Distinguished
Teaching Award.

ton (1947-50) and the U.S. Naval Academy, Bethesda, Md. (1951-55); and journalism at Kent State University, Kent, Ohio (1955-56).

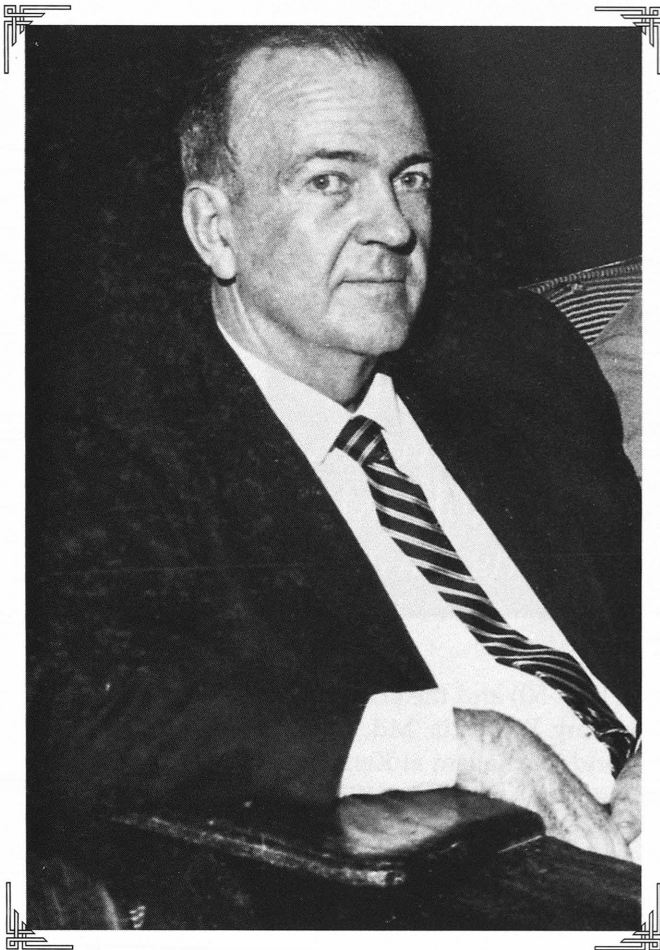
In the 1940s he acquired invaluable experiences in newspaper journalism, reporting for the Waterbury (Conn.) *Republican* and copyediting for the Washington (D.C.) *Star*. He also wrote for *Changing Times* magazine.

Dean Goldblatt called Dean Hine's hiring of Paul Barton a masterful move. "Dr. Hine saw the opportunity to hire an experienced professional journalist with expertise in scientific and medical writing at a time when he knew our burgeoning graduate program and research enterprise demanded a key ingredient that would give us one of the most important competitive edges possible: the ability to clearly, smoothly, and effectively communicate our scientific findings. Over the next 20 years, Paul Barton proved to be a key catalyst for transforming the work done here at IUSD into a user-friendly, digestible, and highly respected body of knowledge."



Professor Barton was among Sandy Manion's well-wishers at a reception celebrating her retirement from the IUSD Office of Continuing Education in December 1998. The Professor shared office space with Sandy's division for many years.

Continued page 40



Paul Barton is shown here in the 1960s as a guest speaker at one of IU's dental faculty conferences. At that time, he was an Ohio State University faculty member.

Dean Goldblatt credited the Professor for "transforming students and faculty alike into effective communicators, thus multiplying greatly our impact on the dental and other medical literature."

On the IU faculty, Paul Barton taught a scientific writing course to graduate students and an oral and written communications course to dental assisting students. Ample amounts of his time were devoted to the editing of the theses prepared by graduate students as a requirement of their master's degree programs. Each thesis required months of writing and editing, and altogether the Professor helped give shape and

substance to more than 500 of them. He often guided a student through several drafts before both writer and editor were satisfied with the final product.

Always willing to lend his expertise to writers, he rarely left the office with an empty briefcase.

His editorial skills were in high demand, not just by the IU dental school. He devoted a couple of summers in the 1980s to serving as a writing coach for reporters on the *Baltimore* (Md.) *Evening Sun* newspaper staff. This was a difficult feat, since summer is the busiest season for thesis production at IUSD. True to character, Professor Barton didn't relinquish any of his IU responsibilities to accommodate the *Evening Sun*. He faithfully returned to Indianapolis once a week, delivering manuscripts he had edited in the evenings and picking up a new batch to take with him on his return trip to Maryland.

Professor Barton was a long-time editorial consultant to Dr. Timothy J. O'Leary, editor of the *Journal of Periodontology*; Dr. Judson C. Hickey, editor of the *Journal of Prosthetic Dentistry* (JPD); and Dr. James R. Roche, secretary/treasurer of the American Board of Pediatric Dentistry. He conducted editorial workshops in Chicago for section editors of the JPD, and taught a scientific writing class to the IU School of Medicine's plastic surgery residents.

The Professor served with distinction in several pivotal roles on the IUSD faculty. He headed the Promotion and Tenure Committee and was secretary of the Faculty Council and the Graduate Dental Program. He chaired the Teaching Committee from 1975 to 1979 and coordinated several of the committee's annual retreats as program chair.

In addition to myriad teaching and administrative duties, Professor Barton managed the

production schedule of the *Alumni Bulletin* as its associate editor from 1970 until his retirement, writing and editing much of the copy himself. For those efforts he was made an honorary alumnus of the IUSD Alumni Association.

Although he officially retired at the close of 1986, Professor Barton continued as a part-time faculty member until 1988.

His many other honors include the American Association of Dental Editors' distinguished service award and membership in Omicron Kappa Upsilon honor dental society. He was a consultant to the American Dental Association's Council on Journalism, which presented him with a citation for "dedication to improvement in dental journalism."

In 1982, Paul Barton received a prestigious honor bestowed on few other educators at Indiana University: the All-University Distinguished Teaching Award.

Always willing to lend his expertise to writers, he rarely left the office with an empty briefcase.

The Professor's unique contributions to the IU School of Dentistry will continue to bear fruit as long as his students and associates continue to pass on to others some of what they learned about the art of writing from him.

Paul Barton is survived by his wife, Dorothy Barton; sons, Dr. James and David Barton; and grandchildren, Jeffrey, Jane, and Hannah Barton.

DEDICATION

In Loving Memory Of
Professor Paul Barton,
Alumni Bulletin Associate Editor, 1970-1988

INDIANA UNIVERSITY
PURDUE UNIVERSITY
INDIANAPOLIS



Indiana University School of Dentistry
(ALUMNI BULLETIN)
1121 West Michigan Street
Indianapolis, Indiana 46202-5186

Change Service Requested

Nonprofit Organization
U.S. Postage
PAID
Indianapolis, Indiana
Permit #4245