

NEWSLETTER

INDIANA UNIVERSITY SCHOOL OF DENTISTRY

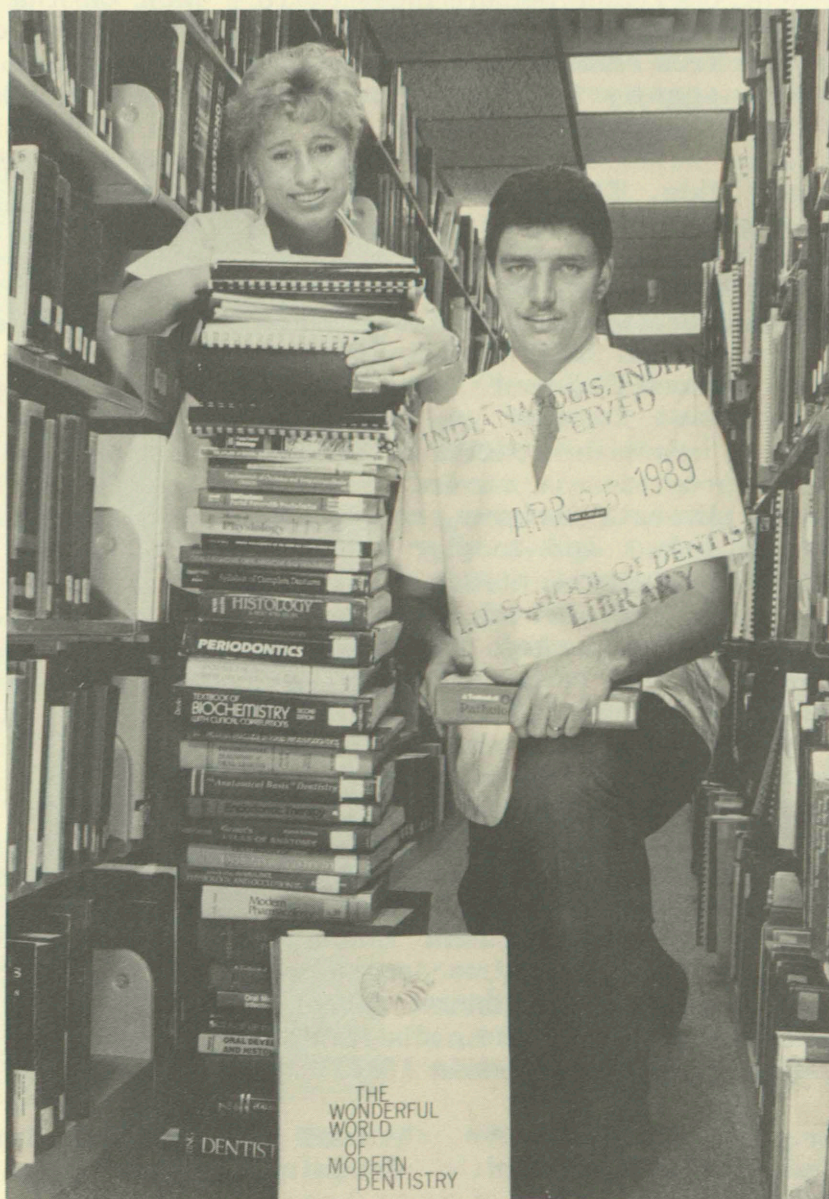
Vol. 4, No. 2
March-April 1989

No matter how you stack it...fourth-year dental students **Margaret Hibler** and **Mark Flannagan** (below) have good reason to smile: With only a few more days to go in their four-year journey through dental school at Indiana University, they and other members of the Class of '89 can admire that formidable pile of books and manuals (representing most of the required and recommended reading since fall semester of 1984) for what, in the middle of May, it changes into: reference material for Indiana's newest Doctors of Dental Surgery.

On **Sunday, May 14, 1989**, dental graduates will join graduates of dental hygiene, dental assisting, and the postdoctoral programs for an afternoon of celebration and recognition with families and friends during the **IUSD Honors Program** and the **IUPUI Commencement** exercises.

The Honors Program will begin at **12 noon** in the Ballroom of the Indiana Convention Center, adjacent to the Hoosier Dome. Com-

(continued page 2)



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

mencement will follow at 3 pm in the Hoosier Dome.

Dean H. William Gilmore is delighted to announce that, for the first time, the dental assisting graduates will participate with the other classes in Sunday's program instead of holding a separate ceremony as in the past.

The number of students expected to earn School of Dentistry degrees and certificates for the 1989 academic year are as follows: dentistry (93); dental hygiene (30); dental assisting (20); and postdoctoral programs (26). Honors Day '89 is open to all faculty, staff and undergraduate students. We urge you to take advantage of this opportunity to observe the awarding of honors for outstanding achievement, to meet our students' families, and to help give our graduates a hearty send-off as they embark upon their careers in dentistry. **Congratulations to all IUSD graduates!**

Show Biz

Recent television performances by IU School of Dentistry faculty and staff ranged from informative to entertaining to slightly off-the-wall. Those we have heard about include:

"Open Wide, This Won't Hurt a Bit," a program exploring advances in dentistry, produced as an IUPUI Special Media Project for the cable program, "IUPUI Forum." The half-hour show ran on several stations during February (National Children's Dental Health Month) and focused on the dental school's infant and toddler dental outreach program. A camera crew followed **Elizabeth Hatcher**, coordinator of the infant and toddler program, to an on-site presentation at Arsenal Technical High School. In another segment of the show Elizabeth discussed nursing caries and the importance of maintaining primary teeth. Also appearing in interview segments were **Dean H. William Gilmore**, **Dr. George K. Stookey**, associate dean for research and director of the Oral Health Research Institute; **Dr. Michael A. Cochran**, chairman of operative dentistry; and **Dr. John Hennette**, an Indianapolis pediatric dentist who graduated from the dental school in 1982 and completed the pediatric dentistry training program in 1984.

Dr. Hala Z. Henderson, chairman of undergraduate pediatric dentistry, enlightened a group of 5- to 7-year-

olds on the importance of nutrition, preventive dentistry, and visits to the dentist in three segments she taped for "Captain Cable," an American Cablevision program for children. The programs about dentistry ran throughout March. Dr. Henderson enjoyed the experience, but admits to inadvertently upstaging another participant on the show. To bring her discussion to life on visiting the dental office, she handed out dental masks and protective gloves to the youngsters. "That was fine for my part of the program," she said recently. "But I felt sorry for the storyteller who came on after me. While she tried to tell her story, the children continued to wear their masks and snap away on the fingers of their plastic gloves. It must have looked very odd to any television viewer tuning into the program after my part was over!"

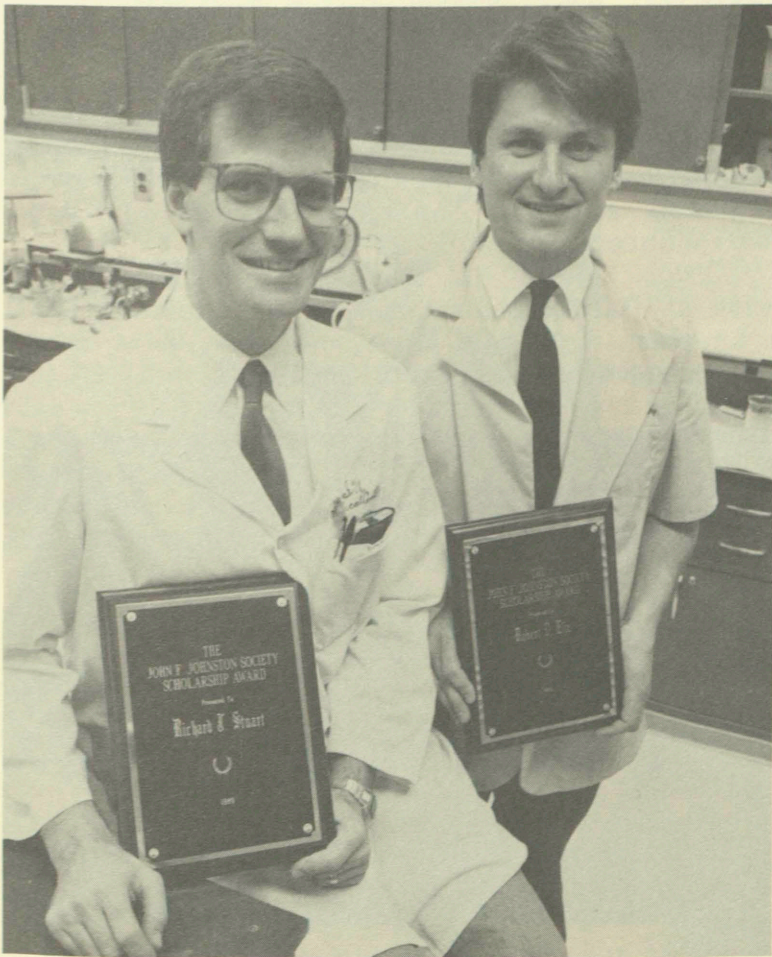
Drew Beck, of the dental school library, recently cruised around town in her automobile to accommodate the producers of the Channel 6 evening news, who wanted to close out one program with a light-hearted view of what a typical Indianapolis resident goes through, traffic-wise, on the way to work. Her three-minute segment took a couple of hours to film. Starting with Drew coming out of her front door and getting into her car, the camera man shot from a variety

of angles, in and out of the car, and asked for several retakes to get each scene exactly as he wanted it. "Sometimes he sat in the back, sometimes in the front passenger's seat," Drew said. "He went for a lot of close-ups, like my fingers on the radio and my foot on the accelerator. He finished by noon so that there would be time to get the film edited before

the 6 o'clock news." Drew's script amounted to a single line ("That wasn't so bad!"), spoken at the end. They did five takes to get it. A few days after her television debut, Drew was recognized by a man at a filling station. "I asked him if he wanted my autograph," Drew said, no doubt enjoying her celebrity status. "He didn't."

John F. Johnston Scholars Announced in Chicago

The plaque on permanent display in the IUSD Department of Prosthodontics that lists all winners of the John F. Johnston Scholarship Awards now bears two more names. **Dr. Richard J. Stuart, Jr.**, of Carmel, and **Dr. Robert V. Elia**, of Toronto, Canada, were selected by the John F. Johnston Society as the organization's scholarship recipients for 1989. The announcement was made on February 18 during the annual meeting in Chicago.



The Society, which has been awarding scholarships for academic excellence since 1969, is named for a 1921 graduate of the Indiana Dental College. Dr. Johnston was an internationally respected prosthodontist who headed crown and bridge and removable partial prosthodontics at IU in the '50s and early '60s. He died in 1977.

Both of this year's recipients are second-year graduate students. Dr. Stuart earned his dental degree from Indiana University in 1983 and Dr. Elia earned his in 1985 from the University of Toronto. Drs. Stuart and Elia each received a monetary award and a plaque from the Society.

Dr. Richard Stuart (left) and Dr. Robert Elia display the plaques they were awarded by the John F. Johnston Society.

A Winner Heads for Hawaii

If he's like most students, **Mr. Charles A. Sadler, Jr.** found that preparing a table clinic for the dental school's annual **Table Clinic Day** was both educationally stimulating and personally rewarding. And, as a busy second-year dental student neck-deep in classes and clinics, he also may have found that putting together a well-researched, timely, informative, and eye-catching clinic was, at times, no day at the beach. However, for assembling an exhibit on the antimicrobial abilities of various restorative dental materials, Chuck will get his day at the beach. Several of them, actually. For free--and in Honolulu, Hawaii.

As the winner of the American Dental Association/**Dentsply International Student Clinician Award** for 1989, he receives an expenses-paid trip to the ADA Annual Session, scheduled for next November in Waikiki. (Chuck will not spend the entire trip day-dreaming under the palms--he will enter his table clinic in the national competition and participate in other events scheduled for the student presenters.)

Runners-up in the Dentsply competition this year are third-year student **Ronald Stangebye** ("Oral Epidermoid Carcinoma: An Epidemiologic Study of 934 Cases from 1950 to 1983"); and third-year student **Armando Blardonis** ("Dental Handpieces Through the Ages"). They receive cash awards from the Indiana Section of the American Association for Dental Research.

IUSD Essay/Table Clinic Committee Chairman **Charles Palenik** reported that this year's very successful program, held at the dental school on March 20, included 70 students presenting a total of 35 table clinics. In addition to the Dentsply competition, there were three other categories for judging: second-year dental hygiene, dental assisting, and fourth-year dentistry. Winners in these divisions are announced at graduation ceremonies in May.

Serving as judges in 1989 were as follows: Dental hygiene clinics: IUSD faculty members Dr. Leonard Koerber, Dr. Dale Miles, and Ms. Sara Hook-Shelton; and Ms. Katie Williams, a researcher in dental materials.

Dental assisting clinics: Drs. George Willis and Jack Schaaf, of the IUSD faculty; and Mr. Mark Dirlam, graphic artist in dental illustrations.

Fourth-year student and Dentsply competitions: faculty members Professor Palenik, Professor Jeri Francis, Professor Mary Rehmel, and Dr. David Hennon; Ms. Katie Williams; and Mr. John Hiester, a third-year student and last year's Dentsply winner.



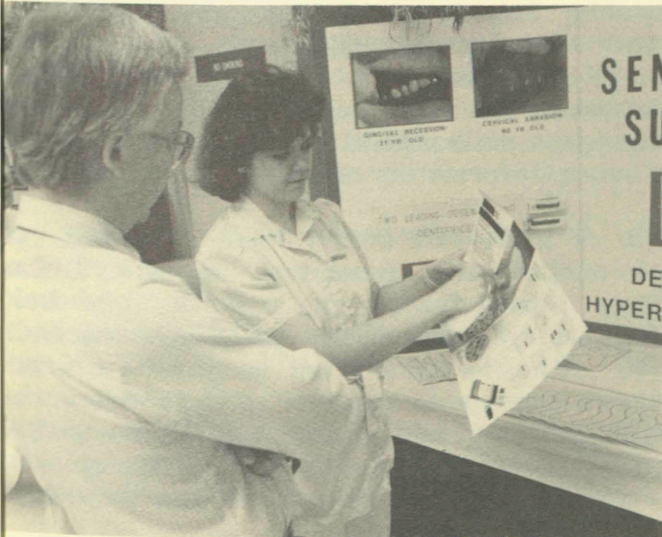
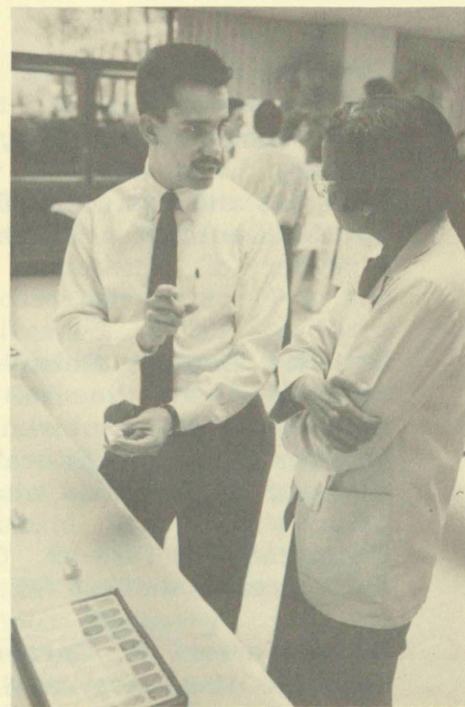
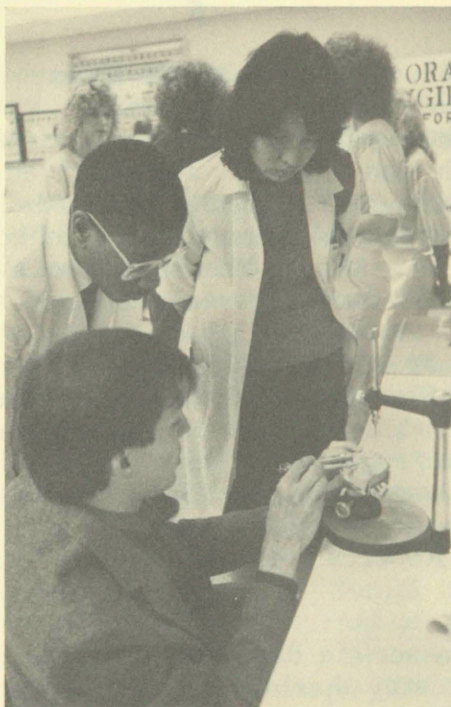
Mr. Chuck Sadler receives a plaque from Dentsply International representative Richard Case (right). IU faculty member Charles Palenik (left) heads the dental school's Essay/Table Clinic Committee.

More of the Action:

Table Clinics '89

Dental student Pablo Fonseca (seated) is his clinic, "Rotational Path Partial: An Esthetic Approach to Replacing Anterior Teeth," to Marvin Eady and Kwi.

RIGHT. Dental student Brett Mann dis- "Unilateral Space Maintenance Using Sitting Band and Arm" with Dr. Hala son.



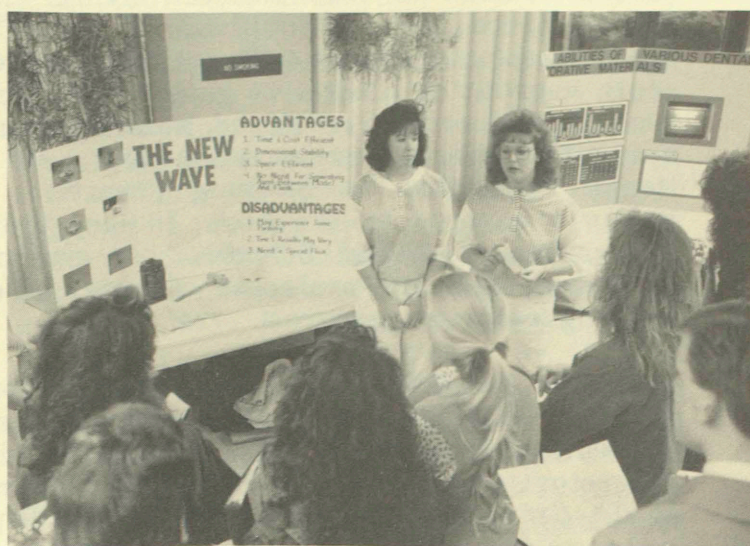
Dental hygiene students Shelly Daugherty (left) and Wendy talk over "A Sensitive Subject" with Dr. Dale Miles. The presenter was Sarah Agee.



Dental assisting students Christy Sword (left) and Jerilyn Salyers with their clinic, Methods of Keeping a K-9's Canines Clean (co-presenter was Angela Applegate).



Dental student Kevin Brunski gets a lesson from dental assisting students Christine Tackett (left), Kristina Huff, and Shannon Cox on "Making a Good Impression."



"The New Wave" was presented by dental hygiene students Lisa Spangler (left) and Stacey Whittington (co-presenters were Jill Lashley and Julie Renz).

People in the News

Dr. Lehman D. Adams, Jr., part-time assistant professor of oral and maxillofacial surgery, was honored with the highest award given at the ninth annual Minority Business and Professional Achievers Recognition Awards Dinner, presented in Indianapolis by the Center for Leadership Development, Inc., in cooperation with the Indianapolis Chamber of Commerce. Dr. Adams received the award for Overall Achievement in one of 11 categories recognized during ceremonies held at the Westin Hotel on March 27.

Dr. W. Eugene Roberts, Jr., professor and chairman of orthodontics, has been recognized by the United States Army for outstanding lecturing and consulting to students in the combined orthodontic residency programs at the University of Louisville and the Advanced Education Program in Orthodontics at Fort Knox, Kentucky. Colonel Clarence E. Wentz, who is director of the Army's advanced education program in orthodontics, has informed Dr. Roberts of his nomination as Outstanding Civilian Consultant for 1988-89. Dr. Roberts presented his program on implantology in orthodontics to the residents last fall.

Dr. LaForrest D. Garner, associate dean for minority student services, has announced that the IU School of Dentistry has once again been awarded a \$64,000 grant from the U.S. Department of Education to support graduate studies for minority students of dentistry. Patricia Roberts Harris Fellowship awards, \$16,000 each, will fund studies for four minority students during the 1988-89 academic year. Also, Dr. Garner reports that the National Institutes of Health has granted IUSD three \$1,500 awards for the second consecutive year, to be used for high school student research apprentice fellowships this summer. The teenagers will spend 8-10 weeks involved in dental research programs at IUPUI. For more information about these programs call Dr. Garner, 317/274-5625.

Dr. David R. Avery, professor and chairman of pediatric dentistry, and **Dr. Susan L. Zunt**, associate professor of oral pathology, participated in a conference held in recognition of the 50th anniversary of University Autonoma de Nuevo Leon in Monterrey, Nuevo Leon, Mexico, February 23-25. They were invited as guest lecturers by the University's pediatric dentistry alumni organization, a co-sponsor of the conference. Dr. Avery's topics included traumatic lesions in primary and permanent teeth; pulp therapy in primary and mixed dentition; development of dentition; and esthetic management of teeth with malformation and discoloration. Dr. Zunt discussed viral and infectious diseases in pediatric dentistry.

Dr. Arden G. Christen, professor and chairman of preventive dentistry, was interviewed for an article on tobacco use and oral health appearing in the January '89 issue of the Journal of the American Dental Association. Conditions that commonly result from tobacco use, as outlined in Dr. Christen's coursebook "A Smoking Cessation Program for the Dental Office," include: oral cancer, leukoplakia, periodontal disease, acute necrotizing ulcerative gingivitis (Vincent's infection), abrasion and tooth discoloration, dental erosion, delayed wound healing, and sinusitis (inflammation of the tissue lining the air spaces in the head). On April 8 the ADA hosted the **First National Dental Symposium on Smoking Cessation: Helping Dental Patients to Quit Smoking**, jointly sponsored by the ADA, Indiana University School of Dentistry, and the American Association of Dental Schools. As one of the program presenters, **Dr. Christian J. Guba**, assistant professor of preventive dentistry, discussed the IU dental school's smoking cessation program.

Dr. Dale A. Miles, associate professor of dental diagnostic sciences, is one of two guest speakers scheduled to address the Bermuda Dental Association at the annual convention June 29-30 and July 1. He will discuss common lesions and oral diagnosis. The other presenter, Dr. Ronald Jordan, who is chairman of restorative dentistry at the University of Western Ontario, will provide an update on composite resins.

Dr. Hala Z. Henderson, professor of pediatric dentistry, and **Dr. H. William Gilmore**, dean of the School of Dentistry, were recently interviewed for an article on pit and fissure sealants appearing in Indy's Child, an Indianapolis publication on parenting.

Ms. Jerilyn Salyers, a dental assisting student from Danville, is the recipient of a scholarship awarded by **Dr. Phil Eversman**, a dental practitioner in Danville who graduated from the IU School of Dentistry in 1975.

Dr. Maxwell Sullivan, professor of operative dentistry, addressed IUSD's graduate students of prosthodontics, periodontics, and operative dentistry as a guest lecturer in Dr. Carl J. Andres' Clinical Prosthodontic Seminar in February. He spoke on instrumentation for occlusion in general dentistry. Dr. Sullivan, who resides in Melbourne, Australia, joined the IU faculty in 1986 for special assignments as lecturer and consultant. Also during this visit to IU he shared his ideas about dental practice with the fourth-year dental class as a Current Concepts lecturer.

Dr. Ralph W. Phillips, a research professor of dental materials, has been named to the Editorial Board of a new publication, the Journal of Esthetic Dentistry.

IUSD faculty members participating in the Chicago Dental Society's **124th Chicago Mid-Winter Meeting**, February 19-22, included: Table clinic presentations by **Dr. A. George Wagner**, professor of prosthodontics and chairman, section of complete denture ("A Temporary Easy-to-Make Duplicate Denture"); **Dr. Malcolm E. Boone**, professor emeritus of prosthodontics ("Resilient Denture-Base Materials"); and **Charles J. Palenik**, associate professor of oral microbiology ("Surface Disinfection Methods"). Also, **Dr. Ralph W. Phillips** lectured on "What's New in Restorative Materials" and presented a limited-attendance clinic on the "Exciting New Era of the Glass Ionomer."

Dr. Susan L. Zunt joined **Dr. John W. Ryan**, president emeritus of Indiana University, and **Dr. Gene E. Sease**, chancellor of the University of Indianapolis, in a panel discussion of the moral and ethical implications of tenure, held at University Place Conference Center on March 3. Entitled **TENURE: Ethical and Moral Obligations**, the program was sponsored by the IUPUI Task Force on Faculty Appointment and Advancement, an ad hoc committee of the Learning Resources Committee. Panelists addressed issues related to recent legislative changes in the federal law that deal with age discrimination. Dr. Zunt has been actively involved in the IUPUI Faculty Council for a number of years and served as Council secretary from 1986 to 1988.

Full House

Project SEEK, a student recruitment effort sponsored by Indiana University's Office of Career & Placement Support Services in Bloomington, is now in its fourth year at the dental school. The most recent program on February 16 attracted nearly three times as many participants from the Bloomington campus as last year, offering 23 college students a glimpse of what dental school and dental practice are all about.

This year's SEEK project was supervised by a new coordinator, Mr. Larry **Saks**, of the Office of Career & Placement Support Services. He replaces Mr. Robert **Stebbins**, who recently retired. Representing the dental school from the Office of Student Affairs were Associate Dean Robert L. **Bogan**; Ms. Carole A. **Busch**, coordinator

of records and admission; and Ms. Jody **Burns**. Dr. H. William Gilmore, dean of the dental school, also addressed the group.

Complementing the school tours and presentations were visits to dental offices in the Indianapolis area, a highly popular segment of the day-long program. Participants included Indianapolis dentists Dr. Bradley A. **Baetsle** ('65), Dr. Ronald K. **Bowman** ('61), Dr. Max C. **Burke** ('48), Dr. Robert B. **Edesess** ('66), Dr. Steven M. **Green** ('84), Dr. Jerry R. **Hickman** ('65), Dr. Jack E. **Nicewander** ('77), and Dr. Janet A. **Pole** ('80); Cumberland dentist Dr. Kenneth O. **Miller** ('58); and Dr. James A. **Weddell** ('77), IU associate professor of pediatric dentistry and director of the Riley Hospital Dental Clinic.

Gifts From Two Alumni To Be Used in Orthodontics

Dr. Peter H. Leonard and **Dr. Eugene L. Dellinger** are two orthodontists with a lot in common. Both are 1963 graduates of Indiana University School of Dentistry. Both completed IU's graduate orthodontic training program in 1965. Both set up private practices in Indiana (Dr. Leonard in Columbus, Dr. Dellinger in Fort Wayne) and went on to assume leadership roles in a variety of professional and community organizations. Finally, both are longtime supporters of the IU dental school who have recently contributed funds that will be used in the refurbishing of the reception and office areas in the Department of Orthodontics.

"The generous gifts made by Drs. Dellinger and Leonard are clear evidence that our leading alumni are deeply interested in--and committed to--the teaching and research programs at the School of Dentistry," Dr. H. William Gilmore, dean of the dental school, said recently. "They are keenly aware of the impact that the School's programs have upon dental practices and dental professionals in the state of Indiana."

Since **Dr. W. Eugene Roberts** (formerly of the University of the Pacific in San Francisco) accepted the chairmanship of orthodontics at IU last summer, the department has been undergoing a number of fundamental changes, including the creation of a laboratory designated for bone research. "It's an exciting time to be involved in orthodontics at Indiana University," Dr. Gilmore said.

"We are grateful for the contributions from Drs. Dellinger and Leonard and we welcome their participation."

Last March Dr. Leonard and Dr. Dellinger visited the dental school and toured the orthodontics department with their wives. The two men say they have remained close throughout their careers. "After I talked to Danny Deane, the School's director of development, about this project," said Dr. Leonard, "I decided that I would do it if I could find someone to help. I instantly thought of my good friend, Dr. Dellinger, so I called him up and he said 'fine.'"

During a brief visit in the Dean's Office, Dr. Leonard and Dr. Dellinger reminisced about the days in the ortho program. "Charlie expected you to live at the dental school," Dr. Dellinger said with a smile. He was referring, of course, to **Dr. Charles Burstone**, chairman of orthodontics in those days. "If Charlie showed up at the School on Friday night at 11 pm and you weren't there, you were in trouble! But our class finally



From inside the orthodontics department Dr. Leonard (left) and Dr. Dellinger share a view of the patient reception area that their gifts will help refurbish. With them are Ms. Gayle Massa (left), dental auxiliary supervisor, and Ms. Dorothy Hollins, secretary.

mellowed him!" Despite the tough schedule, these former grad students harbor fond memories of the program and still keep in touch with Dr. Burstone, who has been on the faculty at the University of Connecticut for many years.

Dr. Leonard and Dr. Dellinger are both members of Omicron Kappa Upsilon national honorary dental society and former presidents of the Indiana Society of Orthodontists (now known as the Indiana Association of Orthodontists). Each was a charter member of the Pursuit of Excellence Dean's Council, which was formed by the Indiana Dental Association several years ago and is composed of individuals who have made major contributions to the IU School of Dentistry.

Dr. Leonard is currently president of the Indiana University Orthodontic Alumni Association, a member of the Great Lakes Association of Orthodontists board of directors, and chairman of the Great Lakes Committee on Orthodontic Education. He is a past president of the South Central District Dental Society and the Bartholomew County Dental Society. This summer Dr. Leonard begins an appointment as a part-time assistant professor in the Department of Orthodontics at IU. He and his wife, Alice, are the parents of two children: Cathy, a junior at Mount Vernon College, Washington, D.C.; and Hap, a senior at Columbus North High School.

Dr. Dellinger, who earned the Master of Science in Dentistry degree from IU in addition to the orthodontic certificate, is a Diplomate of the American Board of Orthodontics, a Fellow of the International College of Dentists, and a charter member of the College of Diplomates of the American Board of Orthodontics. He has served as president of the Great Lakes Society of Orthodontists, delegate to the American Association of Orthodontists, and member of the Isaac Knapp District Dental Society board of directors. Dr. Dellinger has received eight patents in the area of orthodontic techniques and appliances, published a number of scientific papers, and lectured extensively in Europe and the United States. He and his wife, Rosalie, have two sons: Eric, a third-year dental student at IU; and Aron, a sophomore at IU-Bloomington.



On tour in the Department of Orthodontics. From left: Dr. & Mrs. Dellinger; Dean Gilmore; Dr. Lawrence P. Garetto, director of the bone research laboratory in orthodontics; and Dr. & Mrs. Leonard.

Two IUSD Faculty Members To Work On New AFDH-Funded Projects

Indiana University School of Dentistry has received two of the 10 grants awarded in 1989 by the **American Fund for Dental Health**. The AFDH Board of Directors has awarded \$57,000 of its total grant allocation of \$293,000 to fund IU's research proposals.

Dr. Chris H. Miller, professor and chairman of oral microbiology, received a \$32,000 grant that will be used to assess the quality of instrument sterilization in dental offices. Having participated as a consultant to the American Dental Association's Council on Materials, Instruments and Equipment for more than a decade, Dr. Miller has helped set the standards for sterilizers used in offices throughout the country. He heads a sterilization monitoring service that the dental school has made available to dentists in Indiana and elsewhere for several years.

The goal of the research project is to enhance the quality of dental care by substantiating the sterilization monitoring procedures used to test the use and function of dental office sterilizers. Several types of spore tests and chemical monitors will be employed in a variety of ways to study the three most common sterilizers used

in dental offices: the steam autoclave, the chemical vapor sterilizer, and the dry heat sterilizer. One portion of the project will involve an investigation of how dental office spore strips hold up while they are being sent from one site to another through the mail, which is the usual method of transferring samples from private dental offices to the dental school's sterilization monitoring service.

Also, **Dr. Leonard G. Koerber**, professor and director of instructional development, received a grant of \$25,000 to conduct research entitled "A Community Motivating Seniors to Seek Dental Treatment." Using community leaders, health professionals, local organizations and mass media, the program will determine whether dental education, screenings and referrals are effective in motivating older adults to obtain dental care.

The American Fund for Dental Health solicited the help of more than 100 outside reviewers to evaluate the merits of proposal submissions this year. The AFDH Grants Program is made possible with unrestricted funding contributed by individuals, corporations, and associations.

IUSD Faculty, Staff Are Key Players In West Coast Meetings

Many representatives of the Indiana University School of Dentistry contributed in a variety of ways to the annual series of national research and education meetings held this year in San Francisco. A summary of some of the activity follows.

American Association of Dental Schools 66th Annual Session, March 11-15, 1989

- **Dr. Arden G. Christen**, participant, Dental History Workshop ("Developing or Modifying a Dental History Program"), sponsored by the American Academy of the History of Dentistry; and moderator, "Special Session on Tobacco Use and Cessation: the Role of Dentistry"
- **Dr. Christianne J. Guba**, speaker, ADA Seminar on Quality Assurance ("Quality Assurance in Dental Curricula: Getting Started")
- **Dr. Lawrence I. Goldblatt**, member, Reference Committee on Association Policy; delegate, Council of Faculties; elected to Joint Commission on National Dental Examinations and served as a panel member for the Commission's discussion, "Restructuring the National Board Dental Examination, Part II"

Dr. Ralph W. Phillips, speaker offering summary of joint AADS-American Association for Dental Research Symposium I, "Influence of Composition on Performance of Restorative Materials: A 50-year Perspective"

Dr. Thomas F. Razmus, secretary, Section on Graduate and Postgraduate Education

Dr. Dale A. Miles, secretary, Section on Oral Radiology

Dr. Susan L. Zunt, chairman, Section on Pathology; and delegate, Council of Section on Pathology

Dr. H. William Gilmore, delegate, Council of Deans

Prof. Kathleen J. Hinshaw (IU-Northwest), delegate, Council of Section on Dental Assisting Education (and chairman-elect); and participant, Poster Session ("Stress Management Skill Development Through Interactive Video Instruction")

Dr. James E. Jones, presenter of abstract, "Evaluating Dental Faculty Performance: Perceptions of Departmental Chairpersons," for Educational Research program (Gerald C. Preusz, co-author)

**American Association for Dental Research
18th Annual Session, March 15-19, 1989**

Scientific Program
(asterisks indicate presenters)

J.C. Setcos,* M.A. Bassiouny, A.D. Wilder, and R.D. Norman: Clinical Evaluation of a Posterior Composite: 5-Year Results

Y. Tsai, M.L. Swartz,* R.W. Phillips, and B.K. Moore: A Comparative Study: Bond Strength and Microleakage with Dentin Bond Systems

J.W. Osborne,* R.D. Norman, C. Chew, J.C. Setcos, and K.J. Williams: Long Term Clinical Assessment of Amalgam Restoration

W.P. Naylor,* B.K. Moore, R.W. Phillips, and C.J. Goodacre: A Comparison of Two Tests for Alloy Castability

K.K. Park,* B.R. Schemehorn, J.W. Bolton, and G.K. Stookey: Impact of Chewing Gum on the Acidogenicity of Meals

K.K. Park, B.R. Schemehorn,* J.W. Bolton, and G.K. Stookey: Acidogenic Potential of Hydrogenated Starch Hydrolysates

S. Cooper,* C. Hutton, D. Reynolds, T. Gallegos, C. Allen, and J. Marriott: Analgesic Efficacy of Meclofenamate Sodium in Dental Pain

R.H. Potter*: Aggregation of Dental Size Traits Within Families of Monozygotic Twins

D.A. Miles,* and M.L. Van Dis: Radiographic Information Using a Prototype Analog Video Enhancement System

B.L. Olson,* J.L. McDonald, A.G. Christen, S.J. Cohen, and B.P. Katz: Factors Influencing Tobacco Use in Adolescents

Y. Chang, M.L. Swartz, B.K. Moore,* R.W. Phillips, and M.A. Cochran: Resin Color Stability in 3 Environments Using 2 Evaluation Methods

- . Y. Li,* T.W. Noblitt, A.J. Dunipace, and G.K. Stookey: Mutagenicity Studies of Dental Materials Using the Ames Test
- . A.J. Dunipace,* W. Zhang, T.W. Noblitt, Y. Li, and G.K. Stookey: Genotoxicity of Fluoride in Mouse Sperm Morphology and Micronucleus Studies
- . R. Wang,* B.K. Moore, M.L. Swartz, C.J. Andres, and C.J. Goodacre: Laboratory Evaluation of Resins for Provisional Restorations
- . C.A. Sadler, Jr., J.C. Setcos, C.H. Miller, and C.J. Palenik*: Antimicrobial Abilities of Various Dental Materials
- . B.B. Beiswanger, M.E. Mallatt,* M.S. Mau, and B.P. Katz: Plaque Removal by a Pre-brushing Rinse
- . G.K. Stookey,* C.A. Rodlun, J.M. Warrick, and C.H. Miller: Professional Topical Fluoride Systems vs. Root Caries in Hamsters
- . A.M. Aldosari,* A.H. Kafrawy, and S.M. Standish: Effect of Benzylisothiocyanate on DMBA and Trauma in Hamster Tongue
- . D.J. White,* W.D. Bowman, E. Cox, M. Best, C.A. Rodlun, J.M. Warrick and G.K. Stookey: In vitro and in vivo Studies of Anticalculus Agents
- . J.R. Miller,* B. Fryar, B.K. Moore, and L.D. Garner: Glass Ionomer Cement as an Orthodontic Bonding Agent
- . K.C. Yeh, L. Dangler,* F.J. Sena, L. Zientek, V. Cruz, and B.R. Schemehorn: Evaluation of a Reciprocating Prophylaxis Angle
- . L.D. Friedlander, C.A. Munoz,* C.J. Goodacre, and B.K. Moore: Effect of Tooth Preparation Design on Breaking Strength of Dicor Crowns
- . H. Kakigawa, E.L. Dellinger,* J.C. Setcos, and R.W. Phillips: Influence of Sprayed Disinfectants on Four Types of Impression Materials
- . A.H. Kafrawy*: Connective Tissue Reactions to an Experimental Periodontal Dressing

**Fresh From Doing 'Jail' Time,
Dr. Schaaf Says: "Thanks A Lot!"**

We have received the following from Dr. Jack E. Schaaf, associate professor of dental diagnostic sciences who also serves as dentist at the Marion County Jail:

"On a recent Wednesday, while taking a lunch break from treating patients at the Marion County Jail, I was 'arrested' by my friends at the Sheriff's Department and carted off to a **Jail 'N' Bail** lockup, located at Union Station and sponsored by the **Kidney Foundation of Indiana**. Things looked bleak after the judge set my bail and I was sentenced to serve time in a cell block with lavender bars and was told to use the telephone to call friends for contributions. But my stay was short-lived because my bail-bondswoman, **Donna Dobbs**, from the Department of Dental Diagnostic Sciences, arrived with bail money she had collected at the dental school (good timing because I was needed back at the real jail to treat the inmates.) Seriously, I do wish to thank all the faculty, staff, and students who contributed to my bail, and therefore to the Kidney Foundation's fund drive."

Wheels of Fortune

Last summer, at the age of 45, **Dr. M. Charles Moll** sprinted away from a pack of 80 cyclists in Pensacola, Florida, to win the Masters National Road Championship in the 45-49 age group. For the Indianapolis oral surgeon who is also a part-time assistant professor of oral and maxillofacial surgery at IU, the 50-mile race at Pensacola marked his biggest triumph yet in a hobby that has offered him over the years an exhilarating mix of victory, defeat--and a great deal of fun.

When we spoke to Dr. Moll recently in the dental school's oral and maxillofacial surgery clinic, we asked him about his most memorable bikes.

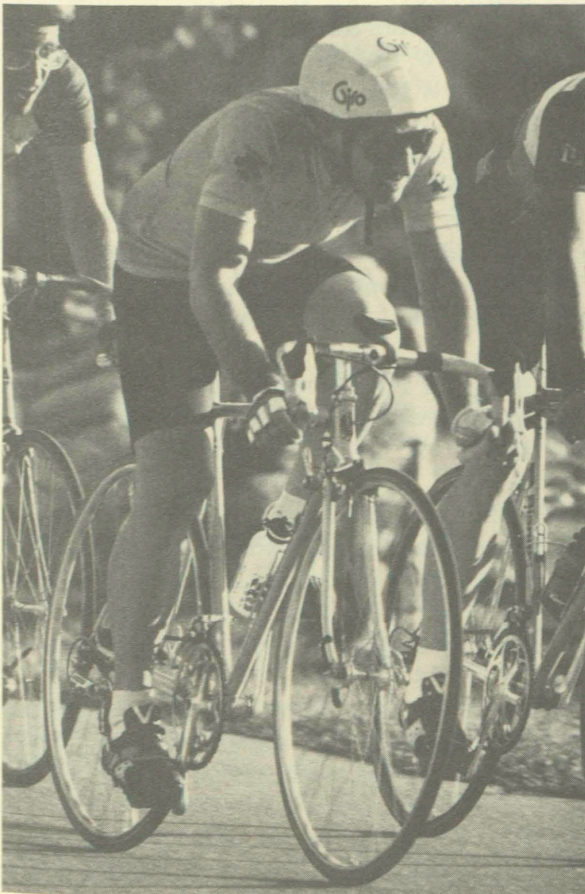
First, there was the "clunky old bike with balloon tires" that he used as a kid to cover the 10 miles between his hometown of Beech Grove and the Longacre swimming pool in Southport.

Then, there was the one he rode in 1963 as a college student during Indiana University's Little 500 in Bloomington. His four-man team, representing Wright Quad's Parks House, started in a remote 29th position (in a field of 33). "That's because I was the only one who really trained much for it," Dr. Moll says. What he remembers most vividly--and painfully--about 'Little 5' is that he rode more than 100 laps of the 200-lap race on a bike seat that was much too high for him. To no one's surprise, the Parks

House boys lost; but Chuck himself managed one brief burst of glory by leading the pack in the 24th lap. (Years later, he snared a small role as a 'Little 5' racer in the movie "Breaking Away.")

There was also the bike that Dr. Moll used to enter his first 100-mile race in Marion, Indiana, in the mid-70s. It had soft tires and a baby seat still attached to the back. The oral surgeon was appalled when overweight and out-of-shape cyclists were able to nimbly pass him by. "I was embarrassed," he says. "I had thought of myself as a competitor. I kept thinking, 'This can't be happening to me!'" The course took me about eight hours to complete, and I could hardly walk when I got off the bike. But I came back a year later and cut three hours off the trip."

Finally, there is the bike that helped make Dr. Moll the national road race champ for 1988: a sleek 18-pounder with a set of tires (costing \$75 a piece) pumped up with 180 pounds of pressure. Dr. Moll sent his body measurements to a bicycle frame maker in Minnesota, who constructed a



The 'Champ' and his wheels (as photographed by Frank Espich for the Indianapolis Star)

customized frame made of special light-weight alloy metals. "I bought the components separately and built the bike up myself," he says.

Dr. Moll owns several types of bikes for different kinds of races. In addition to road racing, which is an endurance competition usually 50 miles in length, he also participates in track racing (Little 500-style) and criterium racing--his favorite. Criterium biking involves racing a number of laps on a small course of a mile or less. "For me it's the most exciting," he says, "because you have to negotiate a lot of corners and ride in a lot of traffic--it is a great test of bike handling."

Dr. Moll put biking on hold through the four hectic years of dental school (he is a '67 grad) and for the three he spent as a resident in oral and maxillofacial surgery. But after he got into private practice in 1970 he once again found time to ride--and he hasn't let up since. **Dr. Moll estimates that he covers about 5,000 miles a year on his bikes** and enters 30 to 50 races annually. As a member of the Cyclesport/Bianchi Indy South Stars, he participates in weekly club races during the summer months. In the winter he keeps in shape at home by peddling a precision-tuned bike like the ones cardiac rehabilitation patients use.

Dr. Moll discovered a fondness for competitive bike riding in the '70s when he entered--and won--the first Scarborough Peace Games, a multi-sports program between Indianapolis and Scarborough, Canada. "I am highly competitive by nature," he says. "I was involved in football, wrestling, track, and swimming in high school. I think you pick up a hobby, find out you're good at it, and just keep going."

Although Dr. Moll began to win a lot of races locally, he felt intimidated by national competitions. "Your mental attitude plays so much a part

in winning that it's just unbelievable," he says. **"Like Bobby Knight says, 'The will to win is the will to prepare to win.'** Indy has several national champs and I've been lucky to ride and train with some of these people, which has given me an idea of what it takes to be able to compete on a national level."

He won't forget the first time he cracked into the top 10 in a national race: "Bear Mountain, New York, 1982--it was the toughest course I've ever been on, which included what must have been a three-mile climb. It was all I could do to keep on the back-end of the pack. I was crying going up that hill. But I came in fifth!"

Today, Dr. Moll has a box full of ribbons, medals and trophies to show for his efforts around the country. He likes to tell people that he's "raced the alphabet," from Appleton, Wisconsin, to Zanesville, Ohio. Does his family love the sport as much as he does? "Well, they tolerate it," he says with a laugh. "I do manage to get some biking in during many of our family vacations. Races have taken us to a lot of cities where you wouldn't ordinarily go--places like Bisbee, Arizona, an old copper mining town near the Mexican border."

In fact, Dr. Moll learned an important biking lesson in Bisbee. "I was there in 1980, a year when I had been winning a lot of races and had just been named Best All Round Midwest Rider. When the race started I took off like a mad man and opened up a lead of about a mile. But the flatlands of Indiana had not prepared me for this course, which seemed to be one mile up, then one mile straight down traveling at about 65 miles per hour." After several of these roller coaster maneuvers, he eventually got caught by a pack of riders. Sapped of his energy, he couldn't keep up with them and finally dropped out. "After that, I learned to keep my enthusiasm in check!"

He has also learned that no matter how skilled a rider becomes, much of a win can be attributed to circumstances--and good fortune. "I get humbled a lot of times," he says. "Just this last year, when I felt I was in great shape, I got lapped in Anderson, Indiana, and was out of the picture."

To prepare for the national road race in Pensacola, Dr. Moll asked Roger Young, the Major Taylor Velodrome competition director, to design a two-month training program for him. By the time the race rolled around, Dr. Moll felt that he had done everything he could do ahead of time to win. "I felt really confident," he recalls, "even though this field had some former national champs in it. With the right circumstances, I felt I could win."

Dr. Moll believes that the Midwest's drought last summer was one of the circumstances that helped nudge him to victory. "Pensacola was hot and humid on race day," he says. "Three or four miles into the race we were all drenched, and I think it affected some of the people who came from the east and west coasts. The two guys who went to the front of the pack with me were from St. Louis and Columbus, Ohio."

He also thinks that his clothing may have been a contributing factor. "Because I had changed biking clubs shortly before the race," he explains, "I was wearing a different color jersey from what my competitors were used to seeing me in. When you race with the same people for years, they get to know you and your abilities. I made a sprint to the front on the last 17-mile lap of the race, but I don't think I was recognized. **After the race, one guy said, 'If I had known that it was you on the breakaway, I would have come after you.'**"

Dr. Moll says that he is drawn to racing because of the strategy in-

involved. "The strongest rider doesn't always win. You don't work nearly as hard as the cyclist in front of you who is breaking the wind. **Weaker riders are called 'wheel suckers,'** because they try to ride in the draft of the person in front of them. The trick is to hang on to that position until near the end of the race and then sprint around the other racer. Of course, no one is going to let you get by with that--the riders in the front try to shake the wheel suckers by riding at a varied pace. So the race is made up of a lot of hard sprints, followed by periods of recuperation, followed by more sprinting."

The Pensacola race, like most road races, was a strategist's dream come true. First, the best riders must help one another reach the front of the pack, and then they must decide individually at what moment they will begin to compete against one another. "One person probably can't win it alone," Dr. Moll says. "The usual race speed is 25 miles per hour, but three of us working our way together to the front were able to keep our speed up to 28-30 miles per hour, making it difficult for the pack to catch us. We were dependent on one another. You have to cooperate like a team member--but only up to a point. I had planned to break away from the other two men in the lead with a 'double sprint'--the first at one mile to go and the second at the very end. But the other guys must have been tired or were caught by surprise by my early sprint because they didn't respond to it. I was able to open up a large enough gap to make the second sprint unnecessary."

Dr. Moll was delighted to avoid that exhausting final push to the finish line, which can be dangerous. The day before, in a Masters championship for another age group, there had been a mass sprint at the end involving about 50 riders. "That resulted in a mess," Dr. Moll says, shaking his

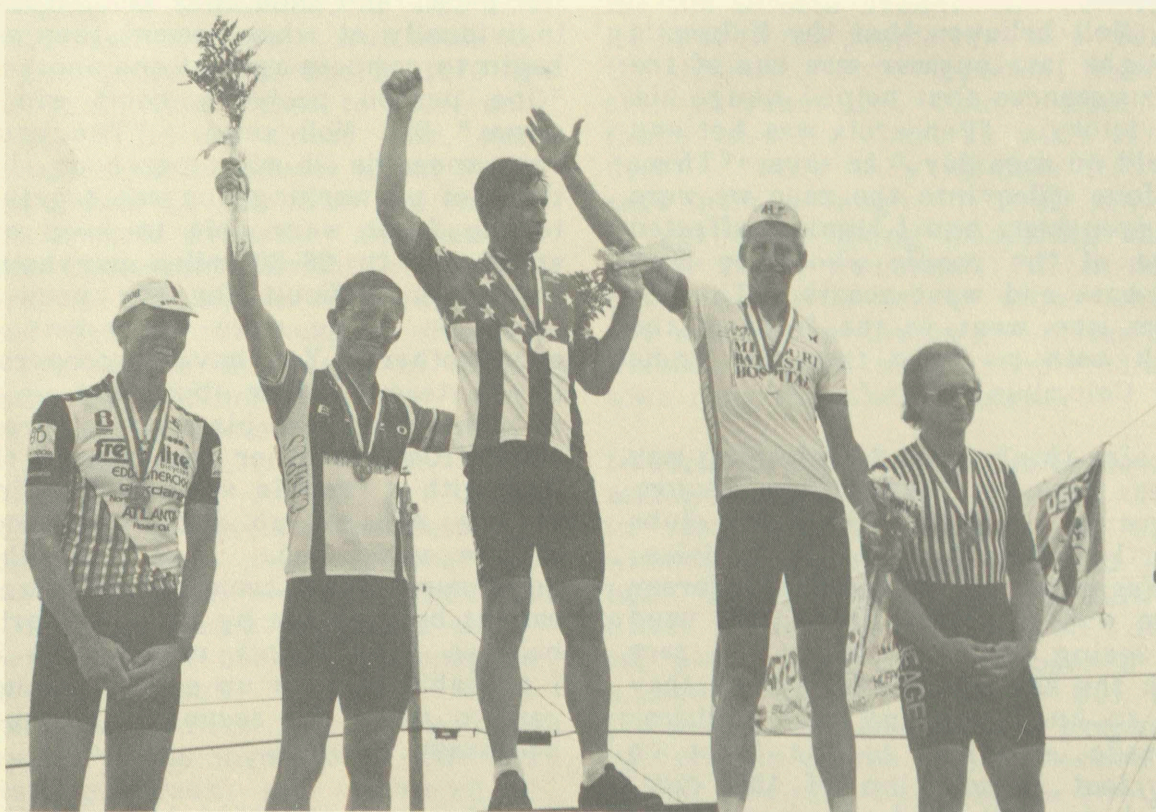
head. "It ended with a 20-bike pile up and one guy with a spoke through him. I didn't want any part of that kind of finish."

Although he's taken a few unplanned trips over the handlebars himself (cracking a hard-shell helmet here, bending a bicycle frame there), Dr. Moll tries to steer clear of trouble. "There is a risk involved," he admits, "but I try to be careful, and Indy lends itself really well to bike riding because there are a lot of well-paved country roads without much traffic."

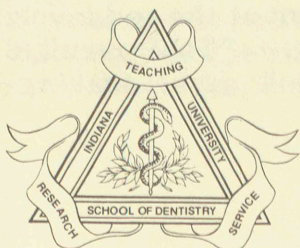
With fatherly pride Dr. Moll informs us that he is not the only member of his family to be recognized for athletic prowess. His daughter, Cindy, a business major at IU, is a runner who has been winning 10K races in her age group. And his

son, Matt, won the Indianapolis Championship in Wrestling all four years that he was enrolled as a student at Cathedral High School. He is now an IU freshman in pre-dent.

Since his national win Dr. Moll has contemplated retiring from bike racing, but only half-heartedly. In 1988 he also was named Best All Round Rider in Indiana in the 35 to 45 age group, an especially noteworthy honor in that he was competing on the "old" end of the age bracket. "Biking represents a whole lifestyle for me," he says, "It's been a great way to exercise and reduce stress." Then he smiles like a man who knows he has a few more good laps in him. Odds are that Dr. Chuck Moll has not yet stepped onto his last winner's platform.



In Pensacola, Florida, Dr. Chuck Moll (center) takes his place on the highest platform as Masters National Road Champion for 1988.



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