



*Mark Hans,
D.D.S., M.S.D. '79, '81*

From the Chairman

On August 1, 2014 I celebrated the 25th anniversary of my decision to leave private practice to become the head of the Department of Orthodontics.

Over the past 25 years I have been privileged to train more than 120 bright young residents, and they have enriched my life beyond my grandest expectations. Thanks to each of you for keeping the journey fun, exciting, and memorable.

The past 25 years have flown by, and part of the reason for that is that there are always many exciting things happening at the School of Dental Medicine and in the Department of Orthodontics.

For example, we're pleased to announce the addition of Rongning (Grace) Wu, D.M.D. '14, M.S.D. '12, who is joining the Department of Orthodontics as an assistant clinical professor and Graduate Clinic director. As an orthodontic resident here at the school, she received the B. Holly Broadbent Research Award for her master's project involving 3D superimposition on cranial base structures.

Recently certified by the American Board of Orthodontics, Dr. Wu has been working since July 1 to build on the hard work of her predecessor, Dennis Beeson, who retired last year and moved to New Orleans. On behalf of all of the residents, faculty, and staff, I would like to extend a personal thank you to Dr. Beeson for all the hours he spent making the CWRU Department of Orthodontics number one. Our department was forever changed by his enthusiasm for patient care and attention to the details of clinic operations.

Excitement is building, too, for the school's proposed move to the Cleveland Clinic campus. The School of Dental Medicine will likely join with Cleveland Clinic

continued on next page

Kenneth Chance, D.D.S. '79, Named Dean of School of Dental Medicine



Kenneth Chance, D.D.S. '79, has been appointed by the CWRU Board of Trustees as the Dean of the School of Dental Medicine. The appointment became effective July 1.

A professor and chief of endodontics at the University of Kentucky since 2000, Dr. Chance previously was Dean of the School of Dentistry at Meharry Medical College in Nashville. In addition, he spent 15 years on the faculty of the University of Medicine and Dentistry of New Jersey (UMDNJ, now part of Rutgers University).

Dr. Chance has remained engaged with the School of Dental Medicine since he graduated in 1979. He was the first dentist or dental school alumnus to serve on the CWRU Board of Trustees.

Dr. Chance succeeds Jerold S. Goldberg, D.D.S. '70, who has served as the Dean of the School of Dental Medicine since 1997.

"I am excited and honored by the opportunity to return to this campus at a pivotal time for the school and for health care nationally," Dr. Chance said. "Jerry's tenure has been transformative, and I look forward to building on his legacy and accelerating our momentum."



From the Chairman continued

Lerner College of Medicine, the Case Western Reserve School of Medicine, and the Case Western Reserve School of Nursing, all under one roof. The prospect of a new state-of-the-art building is exciting, but even more so is the opportunity this will present to work more closely with our colleagues in the medical and nursing schools. It's a bold, forward-looking move with a potentially tremendous upside.

By now you're all aware that the school has a new dean, and he's one of our own: 1979 alumnus Ken Chance. I was part of the search committee, and I can tell you that Dr. Chance brings a lot to the table. He has the knowledge, energy, and passion to lead our school out of a bright past and into an even brighter future. In addition to his impressive background in dental education, Dr. Chance has served on the university's board of trustees and it never hurts to have someone on our dental school team who has those types of connections.

In closing, I would like to acknowledge Dr. Jerry Goldberg, who has stepped down after 17 years as dean of the School of Dental Medicine. Jerry's deanship was a transformative one for the school, and he leaves behind a tremendous legacy. He was a great leader and a good friend, and the entire department extends its appreciation and best wishes to him. Many of the advances in our department over the last 25 years would not have been possible with his support.

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Faculty Profile

John C. White, D.D.S., M.S.D. '82

As a braces-wearing teenager, John White knew that he wanted to be an orthodontist. His early focus and determination have rewarded him with a thriving Northeast Ohio practice, corporate consultations with both Sirona and Unitek, and the opportunity to give back as a volunteer faculty member. Honored as Instructor of the Year three times, Dr. White has been on the faculty since 1989.

"Maintaining a busy private practice provides the credentials you need to be a good instructor — the only way to stay contemporary is to be contemporary," he notes.

After dental school, Dr. White honed his general practice skills in the U.S. Air Force and came to CWRU when he was tapped for sponsored specialty training. During his 12-year service career, he was a consultant to the Air Force Surgeon General, and a staff orthodontist at two Air Force medical centers, as well as Walter Reed Army and Bethesda Naval Medical Centers. Earning a total of three Air Force commendation medals and a Meritorious Service Medal (the highest award in peacetime), he was promoted to lieutenant colonel prior to going into private practice.

In addition to lecturing for Invisalign®, Dr. White is one of the company's top one-percent Super Elite providers – of which there are fewer than 80 in the world (out of 30,000 total providers). He admits with good humor that he ranks only second in Ohio, outranked by a friend and colleague in Dayton. Keeping pace with technology has always been a priority to Dr. White: he was one of the first orthodontists to provide Cone-Beam Computed Tomography for imaging in his office, and was an early user of intraoral scanners.

Often invited to speak at both national and international meetings and universities, Dr. White is also a contributing editor to *Ortho Practice USA*. Deeming his profession a "perfect match" for his skills and passion, he views teaching as integral to everything he does.

www.bracesbywhite.com

"Maintaining a busy private practice provides the credentials you need to be a good instructor — the only way to stay contemporary is to be contemporary."



*John C. White, D.D.S.,
M.S.D. '82*

A message from the program director



*J. Martin Palomo, D.D.S.,
M.S.D., '97*

I think everyone connected in any way with the Case Western Reserve University Department of Orthodontics is feeling proud that an alumnus of our residency, Rolf G. "Buzz" Behrents D.D.S., M.S.D. '75, Ph.D., is now the editor-in-chief of the most influential and important orthodontic journal: the *American Journal of Orthodontics-Dentofacial Orthopedics*.

But rest assured that this is not our department's only contribution to the *AJO-DO*. Besides Gary Wolf, D.D.S. '79, M.S.D., one of our long-time faculty, being the associate editor for the Clinician's Corner section, and many of our alumni and faculty serving as reviewers for the journal, we also have four articles in the "Top 20 AJODO Most Cited Articles since 2009" list — which ties us for first place on the list with the University of North Carolina School of Dentistry. The articles are on different topics, with the common denominator being the use of 3D imaging. The articles celebrated at the *AJO-DO* were:

- Baumgaertel S., Palomo J.M., Palomo L., Hans, M.G. Reliability and Accuracy of Cone-Beam Computed Tomography Dental Measurements
- El H., Palomo J.M. Measuring the Airway in 3 Dimensions: A Reliability and Accuracy Study
- Leung C.C., Palomo L., Griffith R., Hans, M.G. Accuracy and Reliability of Cone-Beam Computed Tomography for Measuring Alveolar Bone Height and Detecting Bony Dehiscences and Fenestrations
- Baumgaertel S., Hans, M.G. Buccal Cortical Bone Thickness for Mini-Implant Placement

The CWRU Department of Orthodontics has been a pioneer in craniofacial imaging, first with the invention of the cephalometer, then the Bolton-Brush Growth Study, and now we continue this tradition with our Craniofacial Imaging Center — which turns 10 years old next year — through impactful publications and international collaborations.

It was once said, "If you want to be extraordinary, you have to do something extraordinary." I think we are clearly on such a path.

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Former Orthodontic Program Director Named *AJO-DO* Editor-in-Chief

A national leader in orthodontics, Dr. Rolf "Buzz" Behrents D.D.S., M.S.D. '75, Ph.D. is now the editor-in-chief of the *American Journal of Orthodontics-Dentofacial Orthopedics*. A graduate and former director of the CWRU orthodontic residency program, he still maintains close ties with the dental school.



Dr. Behrents received his orthodontic training at CWRU (after graduating from Meharry Medical College's School of Dentistry), and it was here that he met his mentor, Dr. Lysle E. Johnston, Jr., who preceded him in directing the orthodontic graduate program. After receiving his certificate in orthodontics, Dr. Behrents headed to the University of Michigan to earn a Ph.D. in human craniofacial growth and development.

Returning to CWRU to teach, he served as the orthodontic program director until 1984. Dr. Behrents then went to the University of Tennessee, the Baylor College of Dentistry, and in 2003 became the executive director of St. Louis University's Center for Advanced Dental Education (CADE); although SLU closed its dental school in 1971, graduate programs in orthodontics, endodontics, and periodontics have made CADE a world-recognized institution. Dr. Behrents, who is SLU's Lysle E. Johnston, Jr. Professor of Orthodontics, stepped down as CADE's executive director in 2011 to direct the orthodontic program.

Since 1984 Dr. Behrents has been a research associate of CWRU's Bolton-Brush Growth Study Center. That was the primary resource for his groundbreaking study that found that craniofacial growth did not stop in young adulthood, but was a continuous process even into later ages. He is a member of the Joint Cephalometric Experts Group (J.C.E.G.), which is led by Department Chairman Mark Hans, D.D.S., M.S.D. '79, '81.



*Michael Maroulakos,
D.D.S., M.S.D.*

Craniofacial Fellow Selected

Born and raised in the south suburbs of Athens, Greece, Michael Maroulakos attended the National & Kapodistrian University of Athens School of Dentistry, where he received his D.D.S in 2005. Upon graduation, he fulfilled his military duties as a dentist in the Hospital of the Greek Naval Academy. Fascinated by the specialty of orthodontics, Dr. Maroulakos then worked in a private practice limited to orthodontics, where he was exposed to the full spectrum of orthodontic diagnosis and treatment. He subsequently returned to the National & Kapodistrian University of Athens for the Orthodontic Residency Program, where he received his M.S.D. in 2012.

"I quickly realized that it is extremely challenging to treat combined problems, which alter the facial area and therefore influence the quality of life. CWRU's Craniofacial Orthodontic Fellowship provides the broad clinical and research experience that I want," he says.

What appealed to him was the ability to gain extensive knowledge on interdisciplinary and comprehensive care of patients with craniofacial conditions and syndromes in a single location. With no doubt that teamwork and treatment coordination is the most successful approach for these patients, Dr. Maroulakos aspires to share his acquired knowledge and return to Greece to make a significant contribution to a craniofacial center there.

During his leisure time, Dr. Maroulakos enjoys cycling alongside the sea coast, traveling, and tasting multi-ethnic cuisines with friends.

From the Craniofacial Fellowship Director Craniofacial Abnormality Summit a Success



*Manish Valiathan, B.D.S.,
M.D.S., D.D.S., M.S.D. '97*

With the generous support of the Mt. Sinai Health Care Foundation (Edward Reiter Cleft Palate Clinic Fund), and the guidance of Jerold Goldberg and Dr. Mark Hans, last fall CWRU hosted some of the foremost craniofacial academic, research, and treatment leaders from across the North America to discuss how we can better standardize and centralize craniofacial abnormality research and treatment. Due to a lack of research sharing, national data for the most common craniofacial defects — cleft lip and cleft palate — does not exist.

Our effort was an important first step toward creating consistent evidence-based practices. In addition, we hosted a symposium for Northeast Ohio healthcare professionals who work with craniofacial abnormalities to encourage collaboration among disciplines and nearby institutions.

We were also able to produce a web section (<http://dental.case.edu/craniofacialortho/>) that introduces potential patients to the services CWRU provides at our craniofacial orthodontic clinic. Featuring some of our young patients, there are heartwarming videos that lend insight to the successes that are possible. It was our goal to share this information with the families of children with craniofacial anomalies in a way that is both informative and comforting.

And finally, I welcome Dr. Michael Maroulakos, our new fellow in craniofacial, surgical, and special care orthodontics, and bid farewell to Dr. Tasha Metzger Hall, who has joined Indiana University where she directs craniofacial orthodontics.

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Alumni Profile

David E. Harmon Jr., D.D.S. '94, M.S.D. '96



David E. Harmon Jr., D.D.S. '94, M.S.D. '96, loves being an orthodontist because the profession allows him to have a major, positive impact on people's lives.

"You speak to the world through your smile," he says.

A native of Maryland, Dr. Harmon earned his undergraduate degree from Howard University in Washington, D.C., before attending the Case Western Reserve University School of Dental Medicine. He is a member of the American Association of Orthodontists, the Mid-Atlantic Society of Orthodontists, and is just completing his term as the 2014 president of the Maryland State Society of Orthodontists.

In addition to running his busy practice, Harmon Orthodontics, in Mitchellville, MD, (www.harmonorthodontics.com), Dr. Harmon also serves as an assistant clinical professor of orthodontics at the University of Maryland School of Dentistry.

Dr. Harmon says he has found orthodontics to be the perfect combination of science, technology, and artistry. "All three come into play when I meet a new patient and start learning about their desire for a new smile. Each person's smile requires a slightly different approach, which keeps me challenged and engaged."

He credits the orthodontic program at CWRU for helping him along the path to success in his specialty.

"I came out of CWRU well-prepared in both the clinical and business aspects of orthodontics," Dr. Harmon says. "One of the most important things CWRU instilled in me was a thirst for knowledge. I'm always evaluating new technologies to determine if I should integrate them in my practice, and I'm always striving to be a better clinician. Much of that comes from my training at CWRU."

He adds: "Students who are considering attending CWRU should be aware that they're going to be exposed to things there that are going to set them above their peers and enable them to practice better orthodontics. The school's stellar reputation is well-deserved."

Ultimately, the investment that Dr. Harmon made to attend the CWRU School of Dental Medicine pays off for himself as well as his patients. "I know the difference having a beautiful smile makes in a person's life, and to be an integral part of someone's smile transformation is my passion," he says. "Witnessing each person's confidence begin to blossom as they see their appearance begin to change is both humbling and rewarding."

New Faculty Member Rongning (Grace) Wu, D.M.D. '14, M.S.D. '12 Assistant Clinical Professor



After completing her dental and orthodontic education at Nanjing Medical University in 2007, Dr. Grace Wu came to CWRU as an orthodontic resident. She earned her M.S.D. and orthodontic certificate in 2012 and

received the B. Holly Broadbent Research Award for her master's project involving the assessment of facial growth and orthodontic outcomes using 3D superimposition, research she continues today with Dr. Mark Hans.

Dr. Wu then enrolled in the dental school's Advanced Standing Program and received her D.M.D. in 2014. During this time, she discovered that re-experiencing a dental education through an orthodontic lens greatly enriched her knowledge of daily practices. Dr. Wu practiced as a prosthodontist in China for several years after her dental education. So she believes her unique background and training will benefit academia, helping to create synergy between orthodontics and other specialties in pre-doctoral education.

Recently certified by the American Board of Orthodontics, Dr. Wu says she will spare no effort to impart her knowledge and experience to her students, and would like to "bridge the gap" between Chinese and U.S. orthodontics. Fortunately, she is fluent in both Chinese Mandarin and English.

Acknowledging that throughout her career, a handful of people significantly influenced how she conducts herself as an orthodontist, Dr. Wu identifies Dr. Lysle Johnston and Dr. Hans as role models. "They taught me that teaching is not simply another duty of an academic, but rather is inspired and nourished by one's research," she explains.

Dr. Wu greatly appreciates her parents and sister whose endless support has helped her finish her education in United States. "My parents have sacrificed a lot for their children, and they still keep doing so," she notes. Happily, they came to CWRU for her recent graduation and will stay in Cleveland to enjoy the beautiful summer with her.



In Memoriam

Remembering Long-time Department Secretary LaVerne Vogel

LaVerne Vogel, who had served the Department of Orthodontics since 1989 as secretary to Department Chairman Mark Hans, passed away May 18 at the age of 84.

LaVerne Carol Pfriem was born in Cleveland, graduated from South High School and attended classes at Fenn College and Dyke Business School.

Prior to joining the dental school, she and her husband, Karl Vogel, moved to Chicago, where LaVerne served as secretary to the head of the International Department of the Cooperative League of the USA. The couple then moved to New Jersey, where she was secretary to the president of International Marine Products.

The Vogels returned to Cleveland in 1987. LaVerne began her career at the CWRU School of Dental Medicine as a temporary employee, and worked in several roles on both a temporary and full-time basis until December 1989, when she found a home in the Department of Orthodontics. Little did anyone know at the time, LaVerne would become a familiar and friendly face to anyone who visited the department for more than two decades.

"Without LaVerne the Department of Orthodontics would not be where it is today," Dr. Hans said. "She was the consummate secretary. Always professional, highly skilled in creating written documents, and on top of the day-to-day activities. When I started in 1989 I had no idea how to run a department. Fortunately, LaVerne had the experience I lacked and the synergy just increased from there. I learned most of what I know about the technical aspects of running a department from her."

In addition to being the beloved spouse of the late Karl Vogel, LaVerne was the loving stepmother of Kay Shepard (Jon), grandmother of Jon Mark Shepard and great-grandmother of Ava Shepard, and sister to Bernard Pfriem (Shirley, deceased), to Carl Pfriem (Patricia, both deceased), and to David Pfriem (Donna).

She is fondly remembered for her generosity, sense of humor, quiet dignity, and how she brought joy and a smile to so many lives.

"Without LaVerne the Department of Orthodontics would not be where it is today...When I started in 1989 I had no idea how to run a department. Fortunately, LaVerne had the experience I lacked and the synergy just increased from there."

*– Mark Hans, D.D.S.,
M.S.D. '79, '81*

In Memoriam

Former Dean Donald Enlow Passes Away at 87

Donald Enlow, MS, PhD, died July 5 in Wisconsin. He was 87. Dr. Enlow was the Thomas Hill Distinguished Professor and Chairman of Orthodontics at Case Western Reserve University from 1977 to 1989. While at CWRU, he also served as acting dean of the School of Dentistry for three years.

After serving in the Coast Guard in World War II, Dr. Enlow obtained his undergraduate degree and became an instructor of biology at the University of Houston. He received his master's degree in 1951 and his Ph.D. in anatomy in 1955, both from Texas A & M University, then became an assistant professor of biology at West Texas State University. He then served with the anatomy department of the University of Michigan School of Medicine for 15 years, serving as director of the physical growth program at the Center for Human Growth and Development for six of them. He moved from Michigan to become the chairman of anatomy at West Virginia University School of Medicine in 1972. He moved to Cleveland in 1977.

Dr. Enlow received many awards and honors throughout his career. He lectured in 32 countries and wrote several books, including *Essentials of Facial Growth*, which is still being published today. He contributed chapters to 30 books and has written numerous articles in professional journals.

Upon retirement, Dr. Enlow became professor emeritus in the Department of Orthodontics at CWRU and continued as an adjunct professor at the University of North Carolina. In 2006, Dr. Enlow was honored for his lifelong contributions when New York University's School of Dentistry held the Donald H. Enlow International Research Symposium in conjunction with the 50th anniversary of the first paper he published. New York University now holds Dr. Enlow's collection of some 25,000 slides that span images of bone tissue from every vertebrate group from the earliest geological periods through the ages to the present.

He is survived by his wife of 68 years, Martha; a daughter; two granddaughters; and four great-grandchildren. The family would appreciate contributions toward the Donald H. Enlow Scholarship Fund at the CWRU School of Dental Medicine. Please contact the Office of Development and Alumni Relations at 216.368.3480, toll free 877.468.1436, or email dentalumni@case.edu.



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Meet the incoming residents



Amir Aminoshariae, M.S., D.M.D. '11, earned his undergraduate degree at CWRU, as well as his dental degree. He completed his military service at Fort Bragg, North Carolina this spring.



Lea Bouserhal, D.D.S., earned her dental degree at St. Joseph University, Lebanon, one of leading dental schools in Middle East. Active in scouting, she was a guide captain for group of 40 girls.



Tarek Elshebiny, B.D.S., attended dental school at Cairo University and completed his orthodontic residency at Suez Canal University in Egypt. On the faculty of Future University Dental School in Cairo, Tarek was an orthodontic fellow at CWRU before applying to the residency program.



Ashok Rohra, D.D.S., earned his degree at the University of Michigan Dental School. He is committed to lifelong learning and positively impacting others' lives.



Sofia Xofylli, D.D.S., graduated from Aristotle University Dental School in Thessaloniki, Greece. She was inspired to pursue orthodontics by her father, a speech pathologist who frequently deals with craniofacial abnormalities.