

EXPLORER

Vol.72 • No. 1

A photograph showing two dental hygiene students in purple and blue scrubs, wearing masks and gloves, performing a procedure on an otter lying on a green surgical drape. The student in purple is using a dental instrument on the otter's mouth, while the student in blue is holding a dental handpiece. The background shows a clinical setting with various dental equipment.

DH Outreach Extends from A to Zoo

During the spring semester of their senior year, dental hygiene students Tannah Olsen (L) (DH 2012) and Mandy Moscal (DH 2012) assisted with the examination of an otter during their outreach rotation at the Kansas City Zoo. The Division of Dental Hygiene periodically sends students to help Dr. Kirk Suedmeyer, and other KC Zoo veterinarians care for the oral health of the animals at the zoo. The zoo rotation is but one of a dozen Dental Hygiene community outreach programs that enable students to experience a broader range of patients and practice environments. Other rotation sites include: Forensic Dentistry, Clinical Student Teaching, Periodontal Co-Therapy, Special Patient Care, Research, Recruitment and Admissions and Pediatric Dentistry.

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FACT

Six Graduates of the DDS Class of 2012 will be commissioned officers in various branches of the Armed Forces. One graduate will join the National Health Service, eight will enter positions in Public Health and 22 members of the class have been accepted into specialty/residency programs.

Donna Weber, *Manager of Alumni Relations & Editor in Chief*
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Jim Thomas & Armando Diaz, *Photographers*

Message from the Dean



Marsha A. Pyle, DDS, ME

As we wrap up another successful Midwest Dental Conference, I am reminded of the strength of our graduates and their impact on the dental community. Thank you for the work you do every day. Your attention to excellence, involvement in organized dentistry and support of the School has given us a reputation as one of the leading dental schools in the nation. It takes work to get where we are, and it takes work to stay there and move forward. This is what I think about as I look toward the future. We have launched a capital campaign for the School of Dentistry and the success of this campaign will allow us to catapult the School to the top of the list while advancing strategically driven projects for our future.

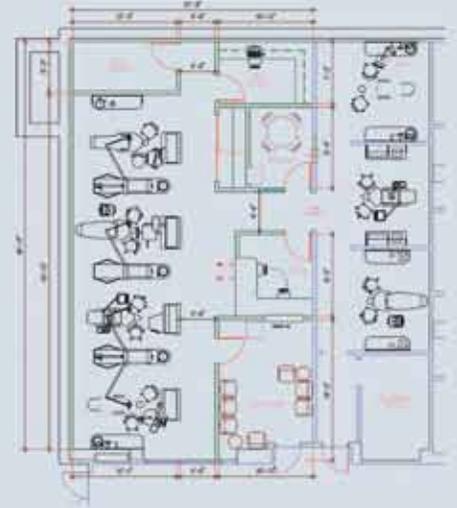
“Teamwork is the fuel that allows common people to attain uncommon results.” Author Unknown

I believe that everyone within the School is a member of our team and we are all working toward the same bright future. Additionally, our team wouldn't be complete without you, a vital component. We are at our tipping point: the moment in time when we can take the necessary steps to lead the nation in forward-thinking education. It will require exceptional effort by us all if we are to reach the goals we have set for the School. In the next four years we are going to set our sights on recruiting, developing and retaining vibrant *faculty*; launching creative, contemporary educational programs like the *Innovation Clinic*; and delivering exceptional service to the community with programs like *University Academy*. These are the priorities that will allow us to maintain our level of national excellence in our dental and dental hygiene programs.

I ask that you join with us in our extraordinary work by considering an extraordinary gift during the campaign. As you reflect on your time at the School, I hope you find that your experience made a large impact on your current success and consider how you can help continue that tradition for the graduates to come.

It will take commitment from all of us to make our shared vision a reality. I am ready to make the extraordinary commitment, and I hope you are as well.

Build It, and They Will Become Better Dentists



The Explorer has highlighted the new Innovation Clinic and Practice Management Program in previous issues. Recently the School secured a gift from the Stanley H. Durwood Foundation that will allow construction to begin in the School's old records room. The new space will open in early 2013 and, thanks to the Foundation's gift, will be called the Charles Dunlap Innovation Clinic. In this new clinical space, dental students and dental hygiene students, working side-by-side, will experience patient care much closer to what they will see in private practice. This new concept will allow students to work with and evaluate new state-of-the-art equipment, to simulate managing a staff, to schedule for maximum productivity, and much more. "This facility and educational program will allow us to provide an approach to clinical education that has not been tried before," says Dean Marsha Pyle. Look for updates on the construction progress and a grand opening celebration coming soon.

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School Expands Outreach to Serve Senior Citizens

In January 2012 the UMKC School of Dentistry was awarded a grant from the Greater Health Care Foundation of Kansas City to provide oral health care to residents of Evergreen Community, a long-term care facility in Olathe, Kan. The project is called Miles of Elder Smiles, and its team of professionals includes Dr. Bonnie Branson (a UMKC professor of dental hygiene) as principal investigator; Becky Smith (DDS '95) (a UMKC clinical assistant professor of general dentistry) as dental sponsor; and Maureen Lathrom, ECP II (DH '95), and Candice Hudak (DH '12) as patient care coordinators and providers. Both



Maureen Lathrom (L) with a resident of Evergreen Community.

Lathrom and Hudak have been hired by the School of Dentistry specifically for their skills in delivering care to the elderly. Lathrom holds an extended care permit II from the state of Kansas and is allowed to provide services under indirect supervision with the oversight of a sponsoring dentist. UMKC dental and dental hygiene students will begin rotating through the facility during the 2012-2013 academic year. One of the project's aims is to sensitize future dental professionals to the oral health needs of elderly patients living in long-term care facilities.

Evergreen Community is a 118-bed facility that provides various levels of care for senior adults with medical needs. At least 85 percent of the residents are supported by Medicaid funds. The grant enabled the Miles of Elder Smiles program to equip a complete on-site dental operatory, which includes radiographs, focused lighting, high- and low-speed handpiece capability, and sterilization. The dental facility also features a special platform that allows the resident to stay in his/her wheelchair during treatment. All preventive services, exams and radiographs are completed on-site. Although some dental services will be referred to local dental offices, much of the dental care will be delivered at Evergreen Community.

School Establishes a Win-Win Outreach Effort

The UMKC School of Dentistry has created a partnership with University Academy, a Kansas City, Mo., School District K-12 charter school, to establish a permanent onsite dental clinic. The clinic will serve the 1,000 K-12 students while UMKC dental and dental hygiene students gain important pediatric clinical experiences. The School of Dentistry will coordinate its activities with University Academy personnel and its philanthropic foundation, Friends of University Academy. Through educational programming and student mentorship by our dental and dental hygiene students, we hope to develop, over time, a pipeline of students from the urban core who will apply to our dental and dental hygiene programs.

This outreach effort also enables us to be an important community partner in improving public oral health. University Academy students have demonstrated impressive levels of achievement at the school and many attend and graduate from college. The clinic is scheduled to open in August 2012. "This partnership," said UMKC School of Dentistry Dean Marsha Pyle, "is a win-win opportunity for everyone involved: the public school students, our students, and the institutions involved, as well as the Kansas City community, and the dental profession."



School Receives \$10.5 Million Research Grant

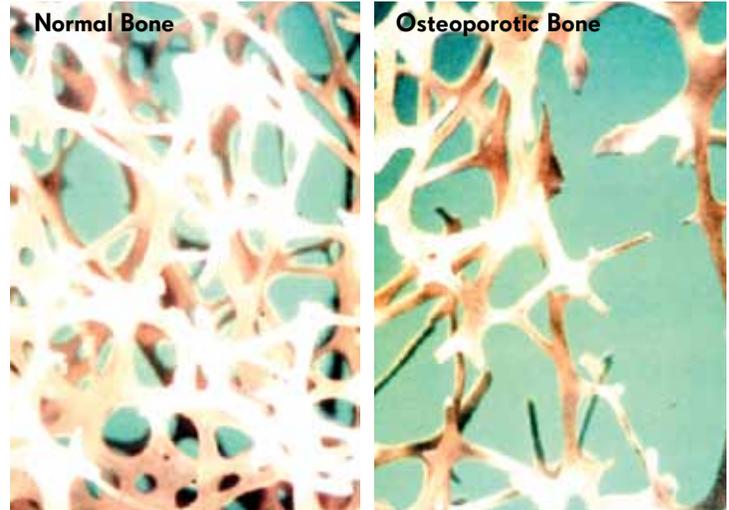
Dr. Lynda Bonewald has been awarded a Program Project grant entitled "Osteocyte Regulation of Bone/Muscle with Age" from the National Institutes of Health's National Institute of Aging for five years beginning May 1, 2012. The total funding for the first year is \$1,706,979 with a projected 5-year total of \$10,487,329.

The specific aims of the Program Project are: 1) Determine the effects of muscle on osteoblast/osteocyte function with aging; 2) Determine the effects of osteocytes on muscle mass and function with aging; 3) Examine osteocyte regulation of osteoblast function with aging and how this is regulated or influenced by muscle-bone crosstalk; and 4) Determine the effects of mechanical loading on osteocyte regulation of muscle mass and function with aging. This Program Project is innovative in concept, preliminary data, approach, tools, interdisciplinarity, and cadre of investigators. The results of these experiments should lead to novel therapeutics for the prevention and treatment of both osteoporosis and sarcopenia.

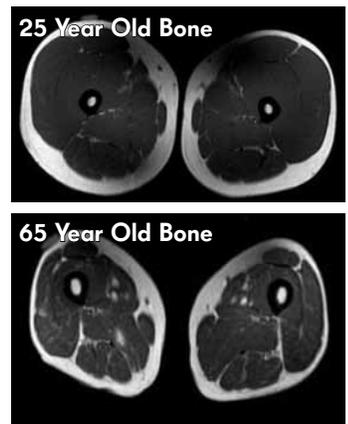
Dr. Bonewald will serve as the director and Dr. Mark Johnson, chair of the Department of Oral Biology, will serve as co-director. Principal investigators include Dr. Marco Brotto, professor in the UMKC School of Nursing, and Dr. Sarah Dallas, associate professor in the UMKC School of Dentistry. Co-investigators include Dr. Amber Stern and Dr. Ganesh Thiagarajan from the UMKC School of Computing and Engineering, Dr. Matt Stern from the UMKC School of Nursing, and Dr. William Gutheil from the UMKC School of Pharmacy. Dr. Bonewald currently serves as UMKC's Interim Vice Chancellor for Research and Economic Development; a Curators' Professor and the Lee M. and William Lefkowitz Professor; the director of the Bone Biology Research Program; and the director of the UMKC Center of Excellence in the Study of Dental and Musculoskeletal Tissues.

Goal of Program Project

- To determine if osteocytes in bone secrete factors that target muscle to increase muscle mass and function.
- To determine if muscle cells secrete factors that support viability of osteocytes and maintain bone mass.



Sarcopenia in humans is illustrated with imaging (MRI technique). Note how both muscle and bone mass have significantly reduced in same individual. In the old muscle note the white areas indicating fibrosis, and how much larger the bone marrow space has become, indicating the loss of bone mass. Very serious is the reduction in muscle strength that can range from 30-70% in an adult life, which increases the risk of falls for example.



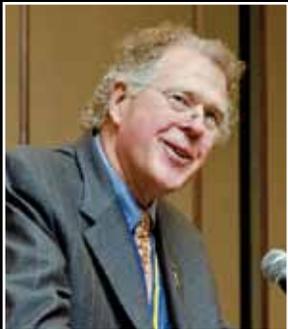
Golfing FORE! a Good Cause

Alumni and friends got together for another great day of golf and camaraderie at Shoal Creek Golf Course in Liberty, Mo., for the 13th UMKC Dental Alumni Scholarship Golf Tournament. This year 112 players and 20 hole sponsors turned out in support of scholarships for dental and dental hygiene students. Over the past 13 years, more than \$200,000 in scholarships has been awarded. Thank you to everyone who participated in this year's tournament! We hope you will join us next year on Friday, June 7, 2013, at Shoal Creek Golf Course.

CONGRATULATIONS

Award-Winning Alumni

2012 Dental Alumnus of the Year



Dr. Jim Cole earned a BS degree in biology at the University of New Mexico in 1963 and his DDS degree at

the UMKC School of Dentistry in 1967. After serving in the U.S. Air Force from 1967 to 1970, he completed his oral and maxillofacial surgery training at the University of Oklahoma Health Sciences Center in Oklahoma City from 1970 to 1973. He returned to Albuquerque in 1973 and practiced oral surgery until his retirement in 2007. The list of his contributions to organized dentistry and his community is as long as it is varied. He is most proud of his service to the American Association of Dental Boards (AADB) (member 1988-2002, life member 2002-present, president 2001-2002, Executive Council member 1997-2002, recipient of "AADE Citizen of the Year Award" 2002) and the Western Regional Examining Board (WREB) (1989-present, president 1992-1994). Dr. Cole has been a tireless and inventive advocate for continually improving the examination process. He has been president of the Rocky Mountain Society of Oral and Maxillofacial Surgeons (1985-1986) and the Albuquerque District Dental Society (1986-1987). He has also served as an adjunct instructor of oral and maxillofacial surgery in the Department of Advanced Education in General Dentistry (AEGD) at the University of New Mexico Health Sciences Center

in Albuquerque. As an active member of the American Dental Education Association (ADEA), Dr. Cole has served on various committees and was honored with an ADEA Presidential Citation in 2004.

2012 Young Dental Alum of the Year



Dr. Ric Crowder graduated from the UMKC School of Dentistry in 2006 and then opened a solo general

dental practice in Lenexa, Kan. Prior to discovering his passion for dentistry, Dr. Crowder graduated (with honors) from Washburn Law School in 1998, and then practiced in the medical malpractice defense field. In addition to serving as president of the Kansas Academy of General Dentistry (AGD), he is in his second term with the AGD Dental Practice Council, and is the chair of the Third-Party Subcommittee. He has written and lectured on dental/legal issues and insurance coding. He has presented at the annual meetings of the Mississippi Dental Association and the American Academy of Dental Consultants, as well as at various meetings of the Academy of General Dentistry.

Ric is a third-generation UMKC dental graduate. His grandfather, H.D. Crowder, the patriarch of the Crowder family dental dynasty, enjoyed a 36-year career after graduating from the UKC School of Dentistry in 1953. H.D.'s daughter, Darlene Klassen, is a member

of the DH Class of '64 and his son, Richard (Ric's father), is a member of the DDS Class of '73 and Orthodontics Class of '76. H.D.'s daughter, Dawn McGlasson, RDH, MPH, teaches in the Department of Dental Hygiene at Wichita State University.

UMKC Dental Hygiene Alumni Achievement Award



Before **Patricia Walters**, RDH, MSDH, began her career with Procter & Gamble (P&G) in 1994, she earned her

BS degree in dental hygiene (1989) and her MS degree in dental hygiene education (1991) at the UMKC School of Dentistry. From 1994 to 2008 she served P&G as a clinical research associate/project manager for the Oral Care Division. Her duties included managing multiple dental products research trials at both U.S. and international locations. As P&G's manager of Global Oral Care Scientific Information since 2008, she heads the company's global oral care professional and scientific relations and is responsible for responding to world-wide technical and scientific questions about products and for sharing research about the science of the company's products. Walters also has served as an assistant professor in the Department of Dental Hygiene at the University of Texas Health Science Center at San Antonio, School of Dentistry, from 1991 to 1994. During that time she developed curriculum for a Dental Hygiene Degree Completion Program and a Master's Degree Program for the University of Texas Health Science Center at San Antonio. She was elected to Sigma Phi Alpha National Dental Hygiene Honor Society in 1988 and served as its president in 1993-1994. She is a frequent author, speaker and lecturer.

UMKC Dental Alumni Achievement Award

Dr. William Giannobile serves the University of Michigan faculty as the Najjar Endowed Professor of Dentistry and Biomedical Engineering, director of the Michigan Center for Oral Health Research, and chair of the Department of Periodontics and Oral Medicine at the School of Dentistry. Formerly he was a member of the faculty at Forsyth Institute and Harvard University. He earned DDS and MS degrees at the UMKC School of Dentistry in 1991. He then received his certificate in periodontology and Doctor of Medical Science in oral biology from Harvard University. He subsequently completed postdoctoral training in molecular biology at the Dana Farber Cancer Institute and Harvard Medical School. Dr. Giannobile is an associate editor for the *Journal of Periodontology* and is on the editorial boards of the *International Journal of Oral and Maxillofacial Implants* and the *International Journal of Periodontics and Restorative Dentistry*. Dr. Giannobile also serves as a consultant to the ADA Council of Scientific Affairs and the National Institutes of Health. According to his website, his laboratory is exploring the potential of novel methods of growth factor delivery, such as gene therapy, to stimulate periodontal tissue repair. In addition, his lab is involved in clinical research to develop predictive markers of periodontal and peri-implant bone loss.

Dr. William Giannobile pictured with Dean Marsha A. Pyle



A Continuing Commitment to Diversity

The School of Dentistry welcomed 12 talented college students and recent college graduates to the second annual session of the Admissions Enhancement Program (AEP). The mission of this innovative 8-week summer program is to develop culturally diverse candidates for the UMKC School of Dentistry by strengthening their foundational knowledge, academic skills, and interactions with individuals across the dental profession. Currently AEP is funded by the Missouri state legislature's "Caring for Missourians" program, an initiative launched in May 2009 to train more than 900 additional Missouri students to enter high-demand, critical-need healthcare fields. Five participants from last year's inaugural AEP session gained admittance to the UMKC School of Dentistry as members of the DDS Class of 2016.

*This Is the Time,
This Is the Place*

The School of Dentistry announced our capital campaign this past November. If you'd like to learn about the exciting projects we will be focusing on during the next few years, you can visit our website to learn more. We hope you will consider supporting one of the projects mentioned on our website.



FACT

All members of the DH Class of 2012 provided care during a 2-week summer externship at community and extramural outreach locations throughout Missouri and Kansas.

CLASSES NOTES

Classes of the 1940s

W. Victor Woods, DDS '43, (Nixa, Mo.) and Mrs. W. Victor Wood celebrated 70 years of marriage on December 27, 2011. Dr. Woods entered the Navy after graduating from dental school, serving in the States and the Pacific. He began a dental practice in Nixa in 1946. After several years, he and several dentists formed Parkcrest Dental Group in Springfield, Mo. Dr. Wood retired after 46 years of dentistry. He and his wife have attended the UMKC Dental Alumni meetings for the last 40 years.

Classes of the 1950s

Jesse Harris, DDS '57, (Wichita, Kan.) has been retired since 2003 and is still playing golf. He belongs to Crestview Country Club. His wife has dementia but otherwise is doing fine.

Kenneth Head, DDS '57, (Paola, Kan.) reports that he usually goes to Scottsdale, Ariz., for the winter, but says, "Who needed it this year!" with the exceptionally warm winter.

Alexander Suenaga, DDS '57, (Honolulu, Hawaii) says "Life is great with me."

Classes of the 1960s

Pete Steinhauer, DDS '62, (Boulder, Colo.) served in the U.S. Navy from 1965 to 1967 in the 3rd Marine Division, Vietnam. He maintained a private practice in Boulder, Colo., from 1967 to 1997. He is a past president of the Colorado Society of Oral Surgeons and the Rocky Mt. Society of Oral Surgeons, and is speaker of the House for the Colorado Dental Association. He is married to Julianne (54 years) and has 10 grandchildren. He has

done volunteer oral surgery in Vietnam annually for the past 22 years. He enjoys golf with Pete Spence. "Living the good life."

George R. Myers, DDS '65, (Hilton Head Island, S.C.) serves as an oral surgeon at Volunteers in Medicine Clinic, Hilton Head Island, S.C.

Larry Rush, DDS '67, (Colorado Springs, Colo.) is still working but is actively pursuing a sale/transition. He has been married 44 years and has three sons, four grandchildren and one great grandson. He is currently considering a move to Costa Rica.

Ronald L. Shipman, DDS '67, (Cleveland, Okla.) retired from practice in Sapulpa, Okla., in 1995 and moved back to his hometown of Cleveland in 1996. He then taught math at Cleveland High School for 13 years. He retired again but now serves as Cleveland's mayor.

Classes of the 1970s

Edward Schanda, DDS '72, (Forsyth, Mo.) says he and his wife are still in Forsyth, where they opened their dental practice in 1972. They have two daughters and four grandchildren. The oldest is a senior in college and the youngest is in kindergarten. His hobbies are dentistry (2-3 days a week) and grandkids the rest of the time. They need him because he is so much wiser than their parents. "Life is good!"

Alan Wallace, DDS '72, (Camdenton, Mo.) is enjoying his identical twin granddaughters and awaiting his daughter's marriage in June 2012. His daughter is in her 2nd year of dermatology residency at Dartmouth.

Ronald D. Wright, DDS '72, (Leawood, Kan.) served with the U.S. Army Dental Corps in Iraq from November 2008 to February 2009.

Lynn Mouden, DDS '75, (Columbia, Md.) announces that he has been selected chief dental officer at a Center for Medicaid, CHIP, and Survey and Certification (CMCS). He is currently serving as director of the Arkansas Office of Oral Health. He spent 16 years in private practice dentistry and eight years with the Missouri Department of Health before taking the position in Arkansas. He is a past president of the Association of State and Territorial Dental Directors (ASTDD) and serves as the American Dental Association's national spokesperson on family violence prevention.

Steven Paul Billings, DDS '77, (Parkville, Mo.) has a full-time private orthodontic practice in Parkville, Platte City, and Belton, Mo., and he serves as an adjunct professor in the UMKC Department of Orthodontics. His son, Branson, is a second-year dental student, and his son, Duncan, will begin attending the UMKC School of Dentistry in the fall of 2012. His daughter, Abbey, is in textile design in Los Angeles. His daughters, Kenzie (high school junior) and Crystal (5th grade), are still home.

Tomas Duran, DDS '77, (Pueblo, Colo.) plans to sell his practice this summer. He's now up to four grandkids and wants to travel and enjoy them more.

Robert Marx, DDS '77, (Gladstone, Mo.) reports that his daughter, Emily, started her second year at the UMKC School of Dentistry. His son graduated from Washington University in St. Louis with a master's degree in architecture. Dr. Marx was voted "Best of (the KC) Northland" for the 10th year.

Classes of the 1980s

Robert Abernathy, DDS '82, (Lee's Summit, Mo.) reports that he and his wife, Karen, are celebrating 30 years of marriage and 30 years of practice in Independence, Mo. Their son, Josh, is a junior studying biological sciences (pre-med) at MU.

Kevin Cummings, DDS '82, (Lee's Summit, Mo.) reports that his son and daughter-in-law, Matthew J. Cummings (DDS '07) and Tabitha Strain-Cummings (DDS '07), have a 1-year-old, Samuel Brian, and have returned to Kansas City to practice.

Mark Huenergardt, DDS '82, (Wichita, Kan.) says, "Our daughter, Robin, graduated from UMKC School of Dentistry in May 2011 and purchased a dental practice in Plattsburg, Mo., from Jim Hobbs (DDS '70)."

Melodee Armfield, DDS '87, (Augusta, Kan.) reports that her daughter, Natalee, is engaged to be married in October. Melodee's son, Collin, is studying in Ireland through UMKC. Her husband Mark's (DDS '86), new passion is scuba diving. "He makes me his buddy, so we spend a lot of time under the sea."

Classes of the 1990s

Stephanie Robertson-Cameron, DDS '92, (Wichita, Kan.) says that her daughter, Ashley, is an internal medicine resident in Greenville, N.C. Stephanie's daughter, Allison, is a pharmacist in Pratt, Kan. Hilary Robertson was born 20 days after CRDTS and is a sophomore at the University of Kansas. Stephanie lives with her husband, David Cameron, in Wichita, Kan., and has a stepdaughter, Kayla, 18, and a stepson, Kyle, 16. "I am happy to be in practice now for 19 years. I am somewhat of a fitness and nutrition buff and am working toward becoming a certified yoga instructor."

Classes of the 2000s

Caleb Gardner, DDS '07, (Kansas City, Mo.) married Christine Pramann on September 12, 2009. Their first child, Cade William, was born on August 24, 2010, and their second child, a baby girl, in January 2012.

Brandon White, DDS '07, (Medford, Ore.) and Lauren now have a 2-year-old daughter, Bella. They are expecting a boy in June 2012.

To view more Classnotes visit the school's website: www.umkc.edu/dentistry.

In Memoriam

Louis, J. Badeen, DDS 1943S

Gordon G. Bennett, DDS 1948

Jack L. Brookshire, DDS 1962

Gerald R. Campolio, Ortho 1972

Gene K. Brown, DDS 1977

George H. Coe Jr, DDS 1955

Joseph P. Chancey Jr, DDS 1947

Jack R. Delhotal, DDS 1945

Richard F. Dominique, DDS 1977

David K.H. Dung, DDS 1958

Larry L. Felkner, DDS 1956

Harry W. Halterman, DDS 1952

Kenneth M. Hansen, DDS 1963

Perry E. Hundley, DDS 1971

Larry C. Huey, DDS 1965

Vincent M. Kelly Jr, DDS 1963

Rex F. Keener, DDS 1952

Lona M. Lowell, DH 1956

Lyle L. Kimbrough, DDS 1953

Daniel J. McAtee, DDS 1951

Robert E. McConnell, DDS 1959

Edgar W. McCleskey, DDS 1947

Barto L. Mitchell, DDS 1967

Brian G. Palmer, DDS 1970

Ronald J. Pavicic, DDS 1980

Robert H. Potter, DDS 1943S

Earnest W. Potts, DDS 1946

Arnold F. Sarya, DDS 1960

Joseph C. Schulte, DDS 1944

Robert D. Smith, DDS 1977

John M. Stones, DDS 1956

Robert E. Strack, DDS 1962

Herbert N. Sutherland, DDS 1957

Norman E. Tillman, DDS 1960

Olin E. Wyatt, DDS 1953

FACT All 2012 DDS candidates who took the WREB regional board exam passed the clinical portion.

Charles Arthur receives congratulations from his wife, Emily Arthur.

Celebrating a Momentous Rite of Passage

UMKC School of Dentistry Dean Marsha Pyle welcomed about 500 family members and friends to enthusiastically celebrate the passage of junior DDS students and senior dental hygiene students into the clinical care phase of their educations. To mark this pivotal accomplishment, the SOD's third annual Transitioning into the Profession ceremony bestowed the members of the DH Class of 2013 with a set of scrubs and the members of the DDS Class of 2014 with a White Coat. The event took place Friday, June 1, 2012, at the UMKC Student Union on the Volker Campus. Charles F. Squire (DDS '68), representing the UMKC Dental Alumni Association, and Ms. Jan Haun (DH '81), representing the UMKC Dental Hygienists' Alumni Association, took turns at the podium to recognize the students' academic accomplishments and charge them with maintaining the highest ethical standards throughout their personal and professional lives.

Following the ceremony, participants and audience members gathered at the School of Dentistry for a congratulatory reception. The members of the Dental Hygiene Class of 2013 and the DDS Class of 2014 extend their gratitude to the Rinehart Foundation, the UMKC Dental and Dental Hygienists' Alumni Associations, the Kansas and Missouri chapters of the American College of Dentists, and Dr. Ken Weinand for their generous support in providing the scrubs and white coats, as well as the reception.

Kyle Shapiro (R) introduces his nephew to James Trotter (DDS '76), a clinical assistant professor.

Look Who's Talking



The UMKC School of Dentistry and the Rinehart Foundation are lucky to have many

supportive alumni who give of their time, talent and "treasure" to help us make the kinds of improvements to our School that wouldn't be possible without extra help from private gifts. Some of these alumni have taken time to prepare special messages for you about the importance of the projects the School will be working on during the campaign. Don't miss their internet debuts! Their touching and meaningful testimonials prove that our graduates are some of the best spokespeople for our programs, and for that we are grateful.

And the Awards Go To . . .



Dean Marsha Pyle congratulated Richie Bigham (L) and Dr. C. Weldon Elrod (R) who were honored at UMKC's annual "Celebration of Excellence" on Monday, March 12, 2012, at the UMKC Student Union.

Dr. Elrod, clinical professor and section head of Removable Prosthodontics, was honored as a recipient of the **Elmer F. Pierson Good Teaching Award**. **Richie Bigham** was honored as the 2012 recipient of the **UMKC Human Resources Campus Collaboration Staff Award**. Bigham serves the School of Dentistry as director of dental admissions.



Dr. Sarah Dallas demonstrates the capabilities of the School's new "3-d" microscope system.

Research Goes 3-D

3-D technology isn't just wowing TV and movie audiences; it's now enabling the School's researchers to view the natural world in a whole new way. The Department of Oral Biology recently purchased a state-of-the-art Leica SP5 Laser Scanning Confocal Microscope System as part of an NIH grant totaling nearly \$500,000. The funding was awarded to Dr. Sarah Dallas, associate professor in the Department of Oral Biology, who is collaborating with researchers at the UMKC School of Pharmacy and the University of Kansas Medical Center. Considered a "Rolls Royce of microscopes," the Leica SP5 produces very high resolution 3-D images of biological tissues with better focus than those produced by conventional light microscopes. It's also a much faster device, capturing images in less than half the time previously required. "This equipment will greatly expand our capabilities in the area of live imaging," noted Dr. Dallas. "Higher quality images are acquired faster with less toxicity to the specimen, producing more accurate results." An early use for the microscope will be to conduct basic research related to bone cell behavior. Dr. Dallas and colleagues plan to study the dynamic mechanism of how osteoblasts embed and differentiate into osteocytes in living bone specimens. Within the past decade, interest has grown in osteocytes as researchers learn more about their role in controlling bone mass and even the relationship between osteoporosis and muscle wasting in older adults (see "School Receives \$10.5 Million Research Grant" on page 4). Bones and muscles adapt to physical exercise, which is why a pro tennis player's racquet arm is larger and stronger than their opposing arm. Dr. Amber Stern, assistant professor in the Department of Oral Biology and the Civil and Mechanical Engineering Department in the School of Computing and Engineering, plans to use the new high resolution microscope to build a 3-D model of an osteocyte to study how they sense mechanical signals when we exercise. And where does this basic research at UMKC and other labs lead? According to the researchers, possibly to someday developing drugs that can counter bone loss or stimulate bone growth.



Sends Kids with Cancer to Summer Camp

Madness reigned as locks of hair rained down from the heads of enthusiastic volunteers who happily submitted to extreme haircuts at the STA 11th Shear Madness "Fundrazor," Monday, April 9, 2012.

Students Take Action officers Weston Santee and Emily Carter (members of the DDS Class of 2012) served as masters of ceremony, encouraging the crowd to pay for the privilege of witnessing this hair-razing spectacle, raising \$5,300 that will send children with cancer to Camp Quality this summer. The volunteers/victims who allowed their locks to be lopped off included children from Camp Quality and their mentors and parents, as well as UMKC faculty and students. Two local salons, Xiphium and Hair Style, supplied the stylists who performed the head shearing. Those who took a turn under the razor included:

Trey Anderson	Lisa Le
Emily Arnold	Mollie Lindquist
Zack Brown	Dr. Moncy Mathew
Alex Clark	Kyle Palmer
Chante Green	Camille Pellegrino
Chase Hamilton	David Reed
Dr. Greg Houston	Tom Runco
Alina Gritsan	Jessie Scully
Al Krebs	Morgan Shockey

FACT Members of the DDS Class of 2012 have provided care through 30 community and extramural outreach rotations and partnership sites and clinics at locations throughout Missouri and Kansas.



Dental Students Take 1st & 2nd at Iowa Dental Conference

Congratulations to DDS Class of 2013 students **Charlotte Best** (middle), **Amy LeCave** (L), **Nathan Suter** (R) and **Matthew Tippin** (middle) who put on award-winning table clinic presentations at the Iowa Dental Conference. Best and LeCave won first place honors for their table clinic, "A Comparison of Pulpotomy Treatments and Primary Teeth." Suter and Tippin won Second Place for their table clinic, "Utilization of Preventative Benefits by Insured Patients." The competition took place at the Iowa Events Center in Des Moines and was sponsored by the Iowa Dental Association. The students were selected to represent UMKC because their table clinics had been selected as finalists at the 2012 Midwest Dental Conference competition. Faculty members Drs. Becky Smith and Chris Van Ness served as mentors to Suter and Tippin.

DH Students Win Honors in Arizona

Megan Norman (DH '12) (L) and Tina Cline (DH '12) (R) took third place in the National Dental Hygiene Table Clinic Competition at the American Dental Hygienists' Association (ADHA) Annual Session in Phoenix, Ariz., June 14, 2012. The title of their poster was "Osseous Regeneration in Infrabony Defects."

Kylie Siruta, RDH, MS, ECP II, a 2011 graduate of the UMKC MS degree in Dental Hygiene Education program, took second place in the Dentsply National Graduate Research Poster Competition at the 2012 ADHA meeting in Phoenix. The title of her poster was "Cost Analysis of the Miles of Smiles Program, a School-Based Preventive Oral Health Program."

Norman and Cline were selected to represent UMKC because they won first place in the UMKC table clinic competition at the 2012 Midwest Dental Conference in April. They received financial support for their travel from the UMKC Dental Hygienists' Alumni Association. The UMKC Division of Dental Hygiene selected Siruta to participate in the Dentsply competition, whose "purpose is to promote dental hygiene research by supporting one graduate dental hygiene student from each accredited graduate dental hygiene program to present his/her research." Siruta's participation was funded by Dentsply.



FACT Michelle Mould, a graduate dental hygiene student, received an Outstanding Junior Scholar Award from ADEA for a manuscript submitted to the *Journal of Dental Education*.



Education & Entertainment Abound at the 2012 UMKC Midwest Dental Conference

A Fabulous Evening of Fine Wine, Gourmet Food and FUN(d)raising

The annual Pouring from the Heart auction/dinner gala has become a much anticipated highlight of the Midwest Dental Conference. This year's gala, held at the Westin Crown Center Hotel, April 12, 2012, set an attendance record of 420 and raised more than \$100,000 to support the Oncology Dental Support Clinic at the School of Dentistry. Special thanks to this year's co-chairs, Dr. Adrian Mohn and Dr. Brian Sutton.

More than 3,400 alumni and friends attended the 2012 Midwest Dental Conference held at the Sheraton Crown Center, April 12-15. When not participating in galas, breakfasts, dinners and hospitality suites, conference-goers could indulge themselves in 30 different Scientific Sessions, 135 Technical Exhibits and 12 formal Class Reunions. A highlight of the weekend was the Alumni and Friends Recognition Breakfast, Saturday morning, which included ovations for the reunion classes in attendance (Dr. Victor Wood, Class of 1943, was the earliest graduate present). The Breakfast also threw a surprise party, of sorts, for John Haynes (DDS '60, MA '71) to formally honor him for his 50 years of service and dedication to the School. Dr. Haynes was so taken aback by the enthusiastic appreciation the audience showered upon him, that for the first time anyone can remember, he admitted to being "speechless."

As always, the Friday night Welcome Party was a great place for family and friends to gather to have fun, food and beverages. KC Wolf and the cheerleaders of the Kansas City Chiefs helped make the Welcome Party a big hit. Party goers had a great time having their picture taken with the Wolf and cheerleaders. The crowd of 500 also enjoyed the live music performed by the fabulous Best Choice Blues Band.

Let the Good Times Roll

Six members of the **Class of 1947** and four spouses had a wonderful time at their 65th class reunion. Dr. Takashi Honda traveled the farthest from Honolulu, Hawaii. Thirty-seven classmates returned to celebrate the 50-year reunion of their **Class of 1962**. They enjoyed reminiscing about their school days and sharing stories about their 50 years in dentistry, which they couldn't believe went by so fast. They also treated themselves to dinner at the elegant American Restaurant.

Other classes celebrating reunions at the Sheraton Crown Center hotel were the Class of 1952, class agent Dr. Ted Hine; Class of 1957, class agent Dr. Audell Billingsley; Class of 1967, class agent Dr. R. Wayne Thompson; Class of 1972, class agent Dr. Charles Mahaffey; Class of 1977, class agent Dr. Robert Marx; Class of 1982, class agent Dr. Ronald Lang; Class of 1987, Dr. Stephanie Van Dyne; Class of 1992, class agent Dr. Sheila Jungmeyer; Class of 1997, class agent Dr. Jason Wagle; Class of 2002, class agents Drs. Guy and Katie Gross; Class of 2007, class agent Dr. Mac Darnall.

The Midwest Dental Conference extends its sincere appreciation for all the hard work by these individuals that made these reunions possible.



Class of 1947



Class of 1962



Congratulations 2012 Graduates

Doctor of Dental Surgery

Yousaf Hasan Ahmad
Tyler M. Aholt
Jeffrey D. Anderson
Kirandeep K. Arora
Mary Anna Augustyn
Jared Hunter Beard
Anthony K. Beard
Suzanne Grace Beck
Jessica Bootsie
Kyle D. Boyce
Grayson John Burgardt
Brent Thomas Carpenter
Emily Katherine Carter
Kenneth Yiu Kai Choy
Kathleen E. Cooper

Brett Eugene Cotham
Daniel Patrick Darrow
Laura Elizabeth Davies
Troy M. Decker
Timothy Joseph Dixon
Kelly Lynn Dove
Stephen Gordon Dove
Christopher Drake
Kevin Russell Duniven
Erika Lauren Eaton
Morgan Ashley Emery
Drew D. Endicott
Blake T. Eyres
Jonah Leroy Foutz
Brianna Michele Ganson
Helen Elizabeth Garrison
Patrick M. Gaus
Amy M. Gensweider

Bradley W. Green
Tara L. Green
Matthew Thomas Harden
Dominique G. Harter
Brian A. Hollabaugh
Amon E. Holt, III
Hormoz Hormozdi
Jacob E. Humphrey
Jonathan J. Kinderknecht
Jacob Thomas Kirby
Jeffrey A. Kohlmeier
Paul J. Kolarik
Kelly A. Lang
Megan K. Lieberenz
Mollie K. Lindquist
Collette T. Lucas
Erin Elizabeth Maille
Nicholas Ryan Matthews

Adam C. Matthias
Kathryn E. McCaa
Emily Mattingly
Kelly L. McCracken
Susan Loyd McDonald
Jared Alan Montano
Brent Fredrick Newby
Justin Christopher Orr
Christopher M. Ostendorf
Kyle Alan Palmer
Rebecca Parr
Daniel Ryan Pernoud
Katie Dawn Peterson
Brandon Pollard
Ashley N. Popejoy
John Samuel Poston, Jr.
David M. Rainwater
Candice M. Reiter

Lisa Marie Reust
 Matthew E. Reyerling
 E. Kate Rodopoulos
 Eric James Runyon
 Seth C. L. Rush
 Edward Weston Santee
 Aaron G. Shark
 Tyler W. Slaughter
 Colin T. Smith
 Jacob O. Smith
 Stephanie J. Sotello
 Carolina St. John
 Melissa Sue Thomas
 Robert W. Thompson, II
 Eric Leo Tolliver
 Kendal Renee Trujillo
 Alberto Enrique Varela
 Marcus James Walker
 David Andrew Watkins
 Jessica Christine Watkins
 Chet Edward Welker
 Preston Jay White
 Steven D. White
 Jerell J. Wilson
 Maria Dyan Wittman
 M. McClain Woolsey
 May Xee Yang

Bachelor of Science in Dental Hygiene

Lyndsay Ballantyne
 Tina Cline
 Kristin Davis
 Allison Leah DeWert
 Julia Goma
 Lindsey Hall
 Linda Hermreck
 Michael D. Hodgson
 Candace Jane Hudak
 Shelia R. Hunter
 Allison Elizabeth Kessler
 Victoria Kishinevsky
 Carly J. Knewton
 Kathryn Janelle Kelley
 Lonna J. LaRock
 Alie Laber
 Lindsay Nicole Leake
 Chelsey Nicole Lemke
 Lacey Renae McClayland
 Bethany Joy McCowan
 Amanda Josephine Moscal
 Megan Ashley Norman
 Tannah Danae Olson
 Katelyn Jane Pointer

Rachael Rasmussen
 Leslie Carol Samford
 Jordyn Quinn Sharp
 Celeste Sims
 Terri Storey
 Kari Renea Tajchman
 Michelle L. Talbott
 Angelica Marie Ugarte
 Rhonda L. Weatherbie
 Melanie D. Weathers

Graduate Dental Certificates

Advanced Education in General Dentistry

Daniell J. Buse
 Megan K. Catalozzi
 Adis Hasanagic
 Sunny Rajendra Patel
 Allyson Sundby

Endodontics

Dan Beck Ang
 Eric Palmer Cottle

Oral & Maxillofacial Surgery

Christopher A. McDaniel
 Patrick Brett Moore
 Robert Allan Nadeau

Orthodontics & Dentofacial Orthopedics

Stephen Edward Darmitzel
 Jody Kay Hentscher-Johnson
 Julie Elizabeth Olson
 Dustin Christopher Wilson

Master of Science in Dental Hygiene Education

Dale Marion Corrigan
 Virginia M. Hardgraves
 Julia Brotzman Myers
 Jo Ann Weatherwax
 Donna Freeman Wood



FACT The DDS Class of 2012 scored an average of 82.8 on Part 1 of the National Board Exam (the national average was 79.4), and they passed Part II of the National Board Exam with a class average of 83.1 (the national average was 78.7).





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School of Dentistry
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