



Dental Bites

April 2013

Time for ODC

The annual Oregon Dental Conference begins this Friday at the Convention Center. On Saturday, April 6, the Alumni Association hosts its awards luncheon, which is open to all with an RSVP. There are nine alumni reunions during ODC weekend. In addition to the faculty and alumni award selections mentioned in the last Dental Bites, several students also will receive scholarships at the luncheon. The 2013 ODS Scholar is third-year
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Dean Announcement Anticipated Soon

The finalists for the position of OHSU School of Dentistry dean were announced in early March. They are (in alpha order) **Gary Chiodo**, D.M.D., F.A.C.D., interim dean of the dental school; and **Phillip Marucha**, D.M.D., Ph.D., associate dean for research and director of graduate studies at the University of Illinois at Chicago College of Dentistry. A decision is expected this month.

Salem Outreach April 22

To highlight the extensive reach OHSU has in the community in providing care to underserved Oregonians, dental faculty and students will head to Salem this month to offer oral care and conduct screenings. The SOD outreach is part of a larger OHSU contingent celebrating the SOM's 125th anniversary celebration. In a dental van borrowed from Medical Teams International, parked right in front of the Capitol steps, dental faculty, residents, and students from the department of pediatric dentistry will provide oral care to several dozen teenagers from the Salem-Keizer School District, many of whom live in low-income families and have never seen a dentist. Inside the Capitol, dental students will conduct screenings for those interested, and offer free toothbrushes, paste, and information about the dental school.

Research Honors

First-year dental student **Alex Sonneson** has received a prestigious AADR (American Association for Dental Research) Fellowship. Only 20 United States dental students received AADR fellowships in 2013.



Alex will study, "Mutans Streptococci Genetic Strains and Systemic Disease: Development of *cnm* Gene Knockouts to Reverse Adherence to Human Coronary Endothelial Cells," with mentor **Curt Machida**, Ph.D., professor of integrative biosciences.

Alex received a \$2,100 stipend, and will receive another \$600 upon completion of research and presentation at the AADR.

Fall Dates to Note

The annual fall faculty conference has been scheduled for Thursday, Sept. 19. The predoctoral clinic will be closed the week of Sept. 23, prior to the start of fall term on Sept. 30, said **Phyllis Beemsterboer**, M.S., Ed.D., associate dean for academic affairs.

Summer research awards also were announced in March. Receiving OCTRI (Oregon Clinical and Translational Research) awards were second-year dental student **K.C. Gilbert**, who will study, "Biofilm Formation Gene Knockouts"
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SOD at ADEA

OHSU School of Dentistry had many accomplishments at the recent ADEA (American Dental Education Association) annual session in Seattle, March 16 to 19:

***Phyllis Beemsterboer**, M.S., Ed.D., associate dean for academic affairs, received a Presidential Citation for 2013 for exceptional service to ADEA and the dental education community. She was one of 13 dental educators nationally to be recognized.

***Denice Stewart**, D.D.S., M.H.S.A., senior associate dean for clinical affairs and professor of community dentistry, assumed the role of chair of the ADEA Annual Session Planning Committee. Dr. Stewart will work with Stephen Young, D.D.S., M.S., University of Oklahoma School of Dentistry dean, and ADEA staff to develop the annual session program for the 2014 meeting in San Antonio. She said the theme for the 2014 ADEA meeting is the "Science of Learning." Dr. Stewart also serves as vice president of the Leadership Institute Alumni Association board of directors.

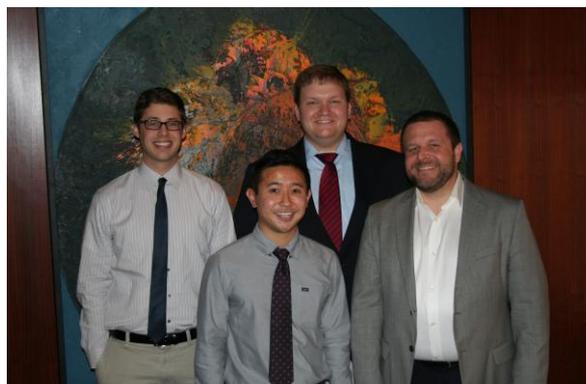
***Jeffery Stewart**, D.D.S., associate professor of pathology, completed his term as president of the supreme (national) chapter of Omicron Kappa Upsilon, the national dental honor society. Dr. Stewart was elected this year as secretary-treasurer elect of the ADEA Leadership Institute Alumni Association.

*Third-year dental student **Kelly Sayre** received a 2013 ADEA/Johnson & Johnson Healthcare Products Preventive Scholarship, one of 12 pre-doctoral recipients nationwide.

Drs. Beemsterboer, Stewart, and Stewart, all were presenters at ADEA. Interim Dean **Gary Chiodo**, D.M.D. '78, F.A.C.D., attended as a member of the council of deans.

"OHSU School of Dentistry was very visible at ADEA in a variety of leadership roles, as evidenced by our committee work, speaking engagements, and national student award," said Dr. Chiodo. "I am very proud that our school was so honored."

William Howard Competition



William Howard competition finalists (from left to right) Andrew Peterson, Aaron Omura, and Kyle Malloy, all DS4's, at the Multnomah Athletic Club, with Todd Beck, D.M.D. '94, assistant professor of community dentistry, who coordinated the annual case presentation competition with Oregon Academy of General Dentistry (OAGD). Aaron took first place; Kyle second; and Andrew third. Aaron, who plans to go into private practice with his father, CJ Omura, D.D.S., in Hawaii, after graduation, discussed his treatment plan for a patient lacking posterior disclusion on both her working and non-working side in left lateral movements. He received \$1,000 from OAGD for his efforts. (Photo Todd Gifford, D.M.D. '07)

Spring Student Advocacy

The Class of 2016 is encouraged to volunteer this spring in the Healthy Kids, Healthy Portland campaign to promote water fluoridation in the city. Dental students who sign up for the campaign will go door-to-door, stuff envelopes, and make phone calls about the importance of fluoridation. More than 45 first-year dental students have already signed up for the campaign, since it was first mentioned in the public health class of **Michael Plunkett**, D.D.S., M.P.H., assistant professor of community dentistry. If interested in participating, please contact **Christopher Louie**, louiec@ohsu.edu.

Instrument Management: Past, Present, and Future

Since the school opened 114 years ago, dental students have been carting and maintaining their own required purchase "issue" – from lab to clinic to lockers and back – during the four years of the curriculum. Students also clean, package, and store everything that is needed for providing dental care to patients, including sterilized instruments, articulators, surveyors, waxing, casting and mixing articles. This system will change come fall term of 2014 when the dental school moves into its new facility on South Waterfront, and installs its first-ever school-owned instrument management system.

"The student issue, as we know it, will go by the wayside as the school assumes the ownership and management of most of the necessary instruments and devices needed for patient care," said Dean Emeritus **Jack Clinton**, D.M.D. '64. "Pre-requested trays that include everything needed for the planned treatment will be delivered to each student's operatory before the patient is seated."

Following the patient's appointment, said Dr. Clinton, students will collect the soiled and spent items for delivery back to the floor dispensary staff for cleaning and sterilization, in preparation for the next usage. Since everything will be bar-coded and individually-handled by dispensary staff before each patient use, assuring appropriate device function, monitoring wear, reducing loss and, "most importantly, improving infection control integrity" will ultimately help dental students and faculty enjoy improved time management and efficiency, he said.

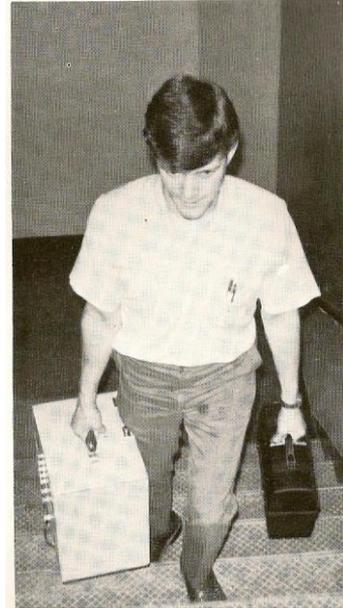
When the current dental building opened in 1956, students carried their clinical laboratory and patient care instruments in two large school-owned multi-drawer wooden cases. Additionally, students bought various fishing tackle boxes to carry technique and clinical lab devices to and from their personal lockers (see photo, above right).

In 1976, with a clinic remodel underway, the school purchased 160 portable wooden carts to replace the built-in operatory cabinets. These sliding-top cabinets remained on the clinic floor and stored all the patient care instruments.

"The reconfiguration of the operatory chair, unit, and cabinet greatly enhanced the ergonomic comfort for the operator and improved the care delivery efficiency," noted Dr. Clinton. "The operatory design and instrument management system for the new school will add another major improvement in efficiency and patient care."

By 1990, the wooden mobile carts were wearing out, and the school purchased all-metal carts that measured the same as the older wooden carts, yet had about 20 percent more storage space (because the wood on the wood carts was so thick).

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The 1974 Impressions, the dental school's yearbook at the time, shows a dental student carting instrumentation from floor-to-floor, prior to the implementation of mobile carts.

Recent photos from OHSU School of Dentistry



Orthodontics Dental Assistant Melody Chean makes her mark in the patient entry of the new dental school facility, in the OHSU/OUS Collaborative Life Sciences Building. Melody was part of a faculty/staff tour on March 15. Additional faculty/staff new building tours will be offered in the coming weeks. (Photo Sydney Clevenger)



About 40 dental students, including second-year dental student John McLennan, conducted screenings at Cornelius Elementary School on March 1. About 200 first- and second-graders were screened. The outreach was part of National Children's Dental Health Month. (Photo Angela Sinor)



Gabriela Ibarra, D.D.S., M.S., associate professor of restorative dentistry, prepares for a television interview with Lucy Gutierrez, who produces a show geared to Hispanics, that airs on Tualatin Valley Community TV, a service of the Metropolitan Area Communications Commission. Dr. Ibarra was interviewed in Spanish for a segment on the various OHSU School of Dentistry clinics that will air soon. (Photo Sydney Clevenger)



Dean Emeritus Jack Clinton, D.M.D. '64 (left) shows Assistant Professor of Restorative Dentistry Barry Taylor, D.M.D. '95, aspects of the patient entry in the new building, on March 20. The new building remains on time and on budget. (Photo Sydney Clevenger)

Research Honors

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and Mutans Streptococci Genetic Strains Isolated from Carious Lesions," with Dr. Machida, and Alex, who will decline his OCTRI award, due to winning the AADR award (he can only accept one). K.C. will receive a \$3,000 stipend. There were nine OCTRI award recipients university-wide.

This month, second-year dental student **Margaret Campbell**, was selected to present at the Annual Dental Students' Conference on Research in Bethesda. Margaret, who is mentored by Dr. Machida, will present her research, "Differential Adhesion Patterns and Spatial Distribution of Mutans Streptococci Strains."

In early March, Margaret and classmate **Devin Wahlstrom** presented their research at the ASDA Annual Session in Atlanta. Margaret presented the project above and Devin, whose mentors are **Mark Engelstad**, D.D.S., M.D., M.H.I., associate professor and graduate residency program director for oral and maxillofacial surgery, and third-year-OMFS resident **Savannah Gelesko**, D.D.S., presented "The Value of Routine Radiology Following Arch Bar Removal."

In mid-March, a number of dental students had research posters at the International Association of Dental Research meeting in Seattle, including Margaret, K.C., fourth-year dental student **Amy Trevor**; second-year dental students **Farielle Houran** and **John McLennan**; second-year pediatric dentistry resident **Katie Marsh**, D.M.D. '11; and incoming orthodontics resident **Alex Vo**, D.M.D. '12.

The School's annual Research Day is May 31 from noon to 3 p.m. Abstracts are due Monday, May 20 by emailing Professor and Associate Dean for Research **David Morton**, Ph.D., at mortonda@ohsu.edu.

School Calendar

April 1	Start of 12-week spring term
April 5-7	Oregon Dental Conference
April 6	Awards Lunch, 11:30 a.m., Conv. Ctr.
April 19	Head and Neck Cancer Awareness Day, OHSU CHH
May 4	DS3-hosted golf tournament, Stone Creek Golf Course. Register by April 12
May 27	Memorial Day—Holiday
May 31	SOD Research Day
June 14	SOD Hooding and Commencement
June 21	End of 12-week spring term

ODC *(continued from page one)*

dental student **Denise Gates**, receiving \$20,000 for 2013-2014. Fourth-year dental student **Amy Trevor** will receive a \$10,000 scholarship from Willamette Dental Foundation. Third-year dental student **Nate Risley** was selected for a \$10,000 scholarship from Willamette Dental Foundation and Willamette Dental Group Scholarship. Third-year dental student **Kelly Sayre** will receive \$2,000 from Pacific Continental Bank's Northwest Dental Scholarship Endowment Fund. And third-year dental student **Kristen Ho** and second-year dental student **Kevin Sagwa** each received \$2,300 from the Hawaii Dental Scholarship Fund.

Head/Neck Screenings April 19

SOD will participate in OHSU's Head and Neck Cancer Awareness Day on Friday, April 19, working with physicians, dentists, and other university residents and students to screen people who happen by the Center for Health and Healing. SOD'ers wishing to volunteer can email Alena Lam (lamal@ohsu.edu) or talk to **Jeffery Stewart**, D.D.S., M.S., for more information, stewajef@ohsu.edu.

New Faculty

***Christopher Fellows, D.D.S.**, has joined the school in the pre-doctoral clinic where he'll be training to help lead a group practice. Dr. Fellows has been in private practice in California since 2008. Previously, he was with Gentle Dental in Beaverton as a prosthodontist. Dr. Fellows received a bachelor of science in biology from the University of Pittsburgh, and a doctor of dental science degree from S.U.N.Y. Buffalo School of Dental Medicine in 1998. He completed a one-year general practice residency at ECU Hospital in Greenville, N.C., and then a three-year residency in advanced prosthodontics from the Portland Veterans Affairs Medical Center.

***David Richman-Raphael, M.A., D.D.S.**, Pediatric Dentistry `12, has joined the department of pediatric dentistry as an assistant professor. Dr. Richman-Raphael graduated magna cum laude in biopsychology from Tufts University, and then remained there for a masters in child development. His doctor of dental science degree is from Baltimore College of Dental Surgery.

New Baby

Jenna Wilkinson, administrative coordinator in the school's office of student affairs, delivered **Rowan Lee Ferris** on Feb. 17, her birthday. Baby Rowan was 8 lbs., 4 oz., and was 20 $\frac{3}{4}$ inches long. Mom and baby are doing great.

Upcoming Anniversary Lecture

On May 21, Mace Rothenberg, M.D., senior vice president of clinical development and medical affairs for Pfizer, will talk about the growing importance of industry-academia collaboration for discovery and drug development. Go to <http://www.ohsu.edu/125/lectures/>

Community Outreach?

OHSU Strategic Communications is looking for stories about dental school partnerships locally. Examples include oral health screenings, dentist and student participation at community clinics, dental events, K-12 visits, or other partnerships for care to the underserved. Contact Caryn Ruch (ruchc@ohsu.edu) with examples.

Instrument management

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The metal carts will "not be needed with our new operatory cabinetry designed by A-dec, Inc., and the new instrument management system that has been developed," said Dr. Clinton.



A few of the wooden mobile carts from the 1970s remain in the pre-doctoral clinic. This orange one was recently resting in front of the Steel group practice. A light blue cart was spotted in front of St. Johns, and a pea green one by Broadway. (Photo Sydney Clevenger)