



DS1's Arrive

Welcome to the Class of 2012! DS1's hit the building August 25 for a five-week pre-term and will head to Cannon Beach Sept. 4 and 5 for their team building retreat. All of the incoming dental students have a bachelor's degree and six have either double-majored or earned a second degree, says Mark Mitchell, M.A., associate dean for student affairs. In addition, one of the DS1's has a master's in business administration and one has a doctoral degree. DS1's are from such states as Nebraska, Florida, Utah, Arizona, New York, and Oregon. Seventeen of the DS1's reported alumni connections.

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New CT Technology for School

The School of Dentistry has a new imaging tool for patient care. In mid-June, the school purchased an i-CAT, a computed axial tomography machine that emits less radiation and provides clearer, higher resolution images than a typical CAT.

"The i-CAT provides three-dimensional, cross-sectional, and axial images," said **Douglas Barnett**, D.M.D. '77, associate professor of pathology, who was on a school committee led by **Denice Stewart**, D.D.S., M.H.S.A., associate dean for clinical affairs, to select an imaging device. "It will give

us different imaging views that we haven't had previously for such procedures as implants, sinuses, and TMJ."

The i-CAT produces an image with six- to eight-times higher resolution with 10- to 15-times less radiation than a medical CT machine, noted Dr. Barnett.

The imaging process is from nine to 28 seconds. Patients sit in a chair as the device revolves around their head.

Faculty and staff are currently training on the machine -- *(continued on page five)*

Prep for 2009 Accreditation Site Visit

The School of Dentistry is preparing for its October 2009 site visit from the Commission on Dental Accreditation, the arm of the American Dental Association that accredits all United States dental education programs. OHSU's visit is set for Oct. 13, 14, and 15, according to **Phyllis Beemsterboer**, M.S., Ed.D., associate dean for academic affairs.

"We want everyone to mark their calendars for this important visit," said Dr. Beemsterboer.

Committees have been formed around the six standards that the commission reviews. Those six standards are institutional effectiveness (Dr. Beemsterboer); educational program (Dr. Beemsterboer); faculty and staff

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(**Jack Ferracane**, Ph.D., chair and professor of restorative dentistry); educational support services (**Mark Mitchell**, M.S., associate dean for student affairs); patient care services (**Denice Stewart**, D.D.S., associate dean for clinical affairs); and research program (**Tom Shearer**, Ph.D., associate dean for research). Each committee is charged with preparing that portion of the self-study document.

A number of faculty already have volunteered as committee members, but "we would like to have as many faculty involved as are willing," said Dr. Beemsterboer. Please contact one of the faculty listed in this story if you are interested in joining one of the committees or subcommittees.

Honor for Associate Dean

Phyllis Beemsterboer, M.S., Ed.D., associate dean for academic affairs was recently installed as president-elect of the American Society for Dental Ethics. The American Society for Dental Ethics (ASDE) is a nonprofit organization that exists to support ethics as an integral value for the dental health care professions. The members of the Society are dedicated to the ongoing study of ethical issues and education to promote professional responsibility and conduct. After a two-year term as president-elect, Dr. Beemsterboer will assume the ASDE presidency. The group presents education-focused activities and programs at various dental meetings with the American College of Dentists, American Dental Education Association, and the American Dental Association.



Phyllis Beemsterboer, M.S., Ed.D.

Klinefelter Joins SOD

OHSU veteran **Jan Klinefelter** is the SOD's interim finance administrator. Jan is based in the Dean's Office (room 610) Mondays, Wednesdays, and Fridays during regular business hours and can be reached at 494-4483. Jan began working in OHSU's accounting department 26 years ago this month. Concurrent with her SOD assignment, Jan is managing payroll and accounts payable in Central Financial Services (CFS). On Tuesdays and Thursdays when she works in CFS, Jan is happy to help with SOD matters and can be reached at 494-7356. Jan can be reached any day via email, klinefel@ohsu.edu.

Visit for Dean

School of Dentistry Dean **Jack Clinton**, D.M.D. '64, has been invited to the Sept. 17 Multnomah County Dental Society meeting to talk about Oregon trends in dental education.

MedStars at SOD

The School of Dentistry once again participated in the MedStars Honors Program, an event for high school students to see what it's like to be a health care provider. This year's program was on July 18 with 40 high school students from more than 15 Oregon counties.

At the SOD, the students completed an exercise to identify landmarks within the mouth. They were also asked to determine the difference between healthy and unhealthy gingivitis.



Health and Safety Specialist Sharon Reams, C.D.A., (right) talks with high school students at MedStars. (Photo courtesy Susan Brock)

Mary Ann Haisch, R.D.H., coordinator for outreach services, talked to the students about being an oral health care professional. Continuing education program manager **Debbie Reaume** and continuing education clinic coordinator **Gail King** organized the hands-on dental lab, with help from **Sandee Valentine**, support services supervisor. Health and Safety Specialist **Sharon Reams**, C.D.A., Dental Team Educator **Tammy Stange**, and third-year dental student **Jazmin Rivers** attended to help with the exercises and answer student questions.

"It is important to volunteer for programs like MedStars because it allows students to have hands-on learning about the medical field," said Jazmin. "I am the first in my family to go beyond high school and I hope by volunteering I can inspire underrepresented students to attain higher education."

New Grants for Restorative Dentistry

Department Chair and Professor **Jack Ferracane**, Ph.D., is the co-principal investigator of a new grant from the National Institutes of Health's National Institute of Dental and Craniofacial Research. Dr. Ferracane will team with **Scott Prah**, Ph.D., senior scientist in the optics group at the Oregon Medical Laser Center, based at Providence St. Vincent Medical Center. The two-year \$406,000 grant is for "Curing Models of Photoactivated Dental Composites." Drs. Ferracane and Prah will develop computational models of light transport through dental composites to initiate polymerization, based on the optical properties of the materials and surrounding tooth. "The ultimate goal is to better understand the light curing process of dental composites for the future development of improved materials," said Dr. Ferracane. **Harry Davis**, Ph.D., a post-doctoral fellow in biomaterials and biomechanics, received a one-year, \$15,000 award from OHSU's Oregon Clinical and Translational Research Institute (OCTRI) to study the "Preparation and Confirmation of the Bioactive Characteristics of Silicate-based Glasses for Repair and Reconstruction of Damaged Tooth and Bone Tissues." And **John Mitchell**, Ph.D., associate professor of biomaterials and biomechanics, received OHSU Presidential Bridge Funding for one-year at \$50,000 to support his research on bioactive glasses for preventive and restorative dental materials.

New Role for Dr. Hilton

Thomas Hilton, D.D.S., Ph.D., professor of restorative dentistry and Centennial Professor of operative dentistry, was recently appointed director of dental clinical research. "This position has been vacant for many years and Tom's appointment reflects his continuing commitment to clinical research, primarily through the oral health networks PROH and NW PRECEDENT," said Dean **Jack Clinton**, D.M.D. '64.

Award for Dr. Carter

Winthrop B. Carter, D.D.S., chair of the department of periodontology, recently received the American Academy of Periodontology's Outstanding Teaching and Mentoring Award.

The Academy presents one award annually to the periodontist who has gone above and beyond in teaching and mentoring dental students and perio residents. Dr. Carter has been the driving force in the growth and develop-



Winthrop B. Carter, D.D.S., chair of the department of periodontology (Photo Dan Carter)

ment of the Advanced Education Program in Periodontics since 2002. There are currently nine periodontal residents. As program director, Dr. Carter is continually educating and training his residents to become excellent entry-level periodontists in the private sector.

SOD Calendar

Sept. 4-5	DS1 Orientation (Cannon Beach)
Sept. 12	Cantwell Memorial Golf Tournament, 7:45 a.m.
Sept. 20	Margaret M. Ryan Dental Hygiene Update and Cantwell Memorial Lecture
Sept. 24	Faculty conference, 8:30 a.m.
Sept. 26	End of early fall term
Sept. 29	Fall term begins (DS1 to DS4)

Restorative Hosts Visitors

The department of restorative dentistry's stellar international reputation for research in biomaterials, excellent lab and equipment base, expertise in supporting a wide variety of projects, and appealing Portland locale has brought a wide variety of visiting researchers to the School of Dentistry over the past 15 years. The visiting doctoral and master's students, postdoctoral fellows, and faculty from other regions not only bring their own research interests, but help with departmental research, particularly residents from within the School.

"Our department has a long history of hosting researchers from other countries," said Dr. Ferracane. "The visiting researchers come with their own credentials and are invaluable in helping our orthodontic, endodontic, and pediatric dentistry residents with their research projects. They are a great resource for our residents and dental students when it comes to learning new equipment and conducting experiments."

There has been at least one visitor to the restorative dentistry department every year since 1997. Researchers have come from such countries as Australia, Brazil, England, France, Japan, and Korea.

Jean-Pierre Salomon, D.D.S., recently spent two weeks at the School of Dentistry preparing materials to study the effects of filler and resin type on the optical characteristics of dental composites. Dr. Salomon is working on his doctoral degree (**Jack Ferracane**, Ph.D., is his co-mentor) while serving as associate professor and head of dental materials at the Nancy Dental School in Nancy, France.

Another current doctoral candidate is **Fernanda Pelogia** from Sao Jose dos Campos, Brazil, who is studying ion release and properties of bioactive glass containing glass ionomer materials for her doctoral degree. Associate professor **John Mitchell**, Ph.D., and Dr. Ferracane are serving as co-mentors.

"Our faculty and the visiting researchers establish international relationships that produce further
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collaborations," said Dr. Ferracane. "We publish together; in fact, our interactions have resulted in 34 publications, with about another six- to 10 submissions or acceptances from journals.

"Our visitors add a great international flavor to the lab," he said. "We all learn from each other and share each other's cultures."

Dr. Ferracane recalls one postdoctoral fellow, Dr. **Lawrence Musanje**, who came for one year and stayed for four. The postdoctoral fellow not only garnered his own National Institutes of Health grant while at the School of Dentistry, but he helped nearly every visitor and student, both from the dental school and other countries, to learn equipment, provide study advice, and offer friendship.

"We greatly value these visiting researchers and consider their presence key to our department's unique and productive nature," said Dr. Ferracane.

OHSU Green Team



Admissions and Student Affairs Coordinator Andrea Williams (left) won OHSU's Green Team t-shirt design contest for 2009! Andrea is shown here with Roger Cole, OHSU grounds and sustainability manager (middle) and Jenna Wilkinson, admissions and student affairs coordinator. For her efforts, Andrea won a free 2009 t-shirt (released spring of '09) and a \$50 gift card. (Photo Alan Williams). The OHSU Green Team is inviting all students, staff, and faculty to join in green education, action, and event planning as they help the university be as green as possible. For more information, visit: <http://www.ohsu.edu/greenteam>.

CT Technology

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located on the ground floor next to Graduate Periodontology – and expect to make it available to patients by mid-September.

About 10 to 20 percent of dental school patients have complications with their oral care and will likely benefit from such high-resolution imaging, said **Frank Stroud**, D.D.S., assistant professor of operative dentistry, and the Broadway integrated group practice leader.

For example, said Stroud, during a recent training session, a third molar case showed the molar relation to the nerve better three-dimensionally, so a surgeon would have a better idea how to operate and where some of the risks might be. "You can also plan a surgical guide virtually on a computer and then have it fabricated to help in placing dental implants," he said. "It's one of the biggest advantages to the i-CAT and the reason many dentists are using these images."

There are less than 10 i-CATs in the Portland-area, estimates Dr. Stroud. The School of Dentistry has the only such machine on the OHSU campus specific for head and neck injuries.

Eventually, Stroud said, the school will take referrals from outside doctors for their patients. "The individual slices and some images can be printed to acetate film or paper and we can record the information to a computer disc for sending directly to referring doctors for evaluation on their computers."

Watch for Phish-ing

Many OHSU employees have recently received emails that appear to be from OHSU departments requesting login and password information. OHSU's Information and Technology Group reminds employees that they never ask for such information via computer. Such messages should be deleted.

Community Dentistry Rotation



Fourth-year dental student Chris Clave (left) confers with Alyssa Franzen, D.M.D. '99, dental director of the Multnomah County Clinics, during his two week elective community dental rotation in mid- to late-August. "Providing good community experiences to dental students is important to developing a workforce that is able to appreciate the needs of the communities in which they live and work and decide how they might be able to contribute no matter where their career takes them or what type of practice in which they choose to engage," said Dr. Franzen. "If dental students come out of school with a basic understanding of the issues and obstacles that face many people who are uninsured or underinsured, they will be more prepared to contribute to their own communities. We look forward to the opportunity to support the community dental rotations at OHSU." (Photo Dan Carter)

Pedo Residents Go East

Second-year pediatric dentistry residents **Hai Pham**, D.M.D. '06, and **Marisa Reichmuth**, D.D.S., spent July 16 and 17 in LaGrande, Ore., caring for young people and working with dental hygiene students at the ODS School of Dental Hygiene. This is the fourth time OHSU has sent a pediatric dentistry residency contingent to LaGrande. **Weston Heringer Jr.**, D.M.D. '71, former pediatric dentistry residency coordinator, also was on the trip, which was arranged prior to his new role directing the Dental Foundation of Oregon's dental van.

Dental Bites is the SOD's monthly internal newsletter. If you have a submission, please contact Sydney Clevenger (clevenge@ohsu.edu, 503-418-1792).