



OHSU School of Dentistry/Dental Bites

March 2009

**Inaugural
Gootee
Lecture**
OHSU dental
students and
faculty were
treated Feb. 19 to
a lecture on
leadership and
professionalism
by Robert G.
Gootee, as part of
an endowed
lectureship in Mr.
Gootee's name.

**The School's first
fully endowed
lectureship, the
Robert G. Gootee
Endowed
Lectureship in
Leadership and
Professionalism,
was announced
one year ago by
The ODS**

(continued on page 9)

National Children's Dental Health Month

OHSU School of Dentistry students were all over the Portland-area in February providing dental education and oral care, as part of National Children's Dental Health month. Despite a tight budget, the School of Dentistry was committed this year to participating in its traditional children's dental health activities.

"Taking children to the dentist is a low priority for *(continued on page eight)*



OHSU dental student volunteers at Celebration of Smiles, with Orville Boyle, D.M.D. '55. (Photo Dan Carter)

ASDA Sponsors Mock Interviews

Before second-year dental student **Amanda Rentschler** was admitted to the OHSU School of Dentistry, she wished there had been an opportunity to practice her interviewing skills for dental school. So when the ASDA (American Student Dental Association) Pre-Dental Committee was brainstorming ways to help pre-dental students with their journey to dental school, Amanda and the committee decided upon a mock interview event.

"We put our undergraduate experiences together and decided that if we had had an opportunity to practice interviewing [for dental school], we would not have passed it up!" said Amanda.

On Feb. 2, the ASDA Pre-Dental Committee, led by first-year dental student **Patrick Corning**, with supervision by **Mark Mitchell**, M.A., associate dean of student affairs, and 15 dental student volunteers held the first OHSU ASDA mock interview session.

About 15 pre-dental students attended, from such schools as Reed College, Pacific University, Oregon State University and University of Portland.

Pre-dental students were asked to wear business attire and bring their personal statements for review. In their invitation to the mock interview event, they were cautioned that the experience was meant to be helpful practice for dental school interviewing, but not necessarily indicative of OHSU School of Dentistry or any other dental school.

Pre-dental students who attended "learned about one-on-one interviews, group interviews, dos and don'ts, and how to handle themselves during interviews," said Amanda.

"It was a lot of fun. [The pre-dental students] want the event to continue!"

Table of Contents

ASDA Event	1
Gootee Lecture	1
Dr. Quinn	2
New Manual	3
OMS Patient	4

Bob Quinn, D.M.D.: A Consummate Teacher For 51 Years

It's hard to find an OHSU School of Dentistry alum who hasn't been taught dentistry by **E. Robert "Bob" Quinn**, D.M.D. '55. Thousands of the School's approximately 5,500 living alums count him as an instructor. An estimated 40 percent of the 300 full- and part-time faculty were mentored by Dr. Quinn. And the longtime associate professor of operative dentistry has taught everyone from **Eugene Kelley**, D.M.D. '59, to **Nirvana Schuyler**, D.M.D. '07 – and a whole bunch of great oral health professionals in between.

"Dr. Quinn has always been a student-first educator," said **Scott Dyer**, D.M.D. '00, M.S., Ph.D., assistant professor of restorative dentistry. "He was the first to explain a procedure, give a student a hand, and offer a word of encouragement."

Peter Morita, D.M.D. '86, associate dean for patient services, had Dr. Quinn during his third year of dental school. "The man stands for quality, yet he interacts with humility and teaches for the sheer pleasure of sharing his knowledge and skills," said Dr. Morita. "He is one of those mentors that during the dental school years was always 'Dr. Quinn,' and even after graduation and his admonishing you to call him 'Bob,' he is still and always will be, 'Dr. Quinn.'"

Michael Carlascio, D.M.D. '81, assistant professor of operative dentistry, credits Dr. Quinn with influencing his decision to become a dentist, having observed Dr. Quinn care for patients when he was a high school senior.

And **William Bonniksen**, D.M.D. '75, assistant professor of restorative dentistry, also visited Dr. Quinn's practice to observe patients during his time in dental school. "He just knew so much about dentistry from the simplest to the most complex," said Dr. Bonniksen. "His teaching always had clinical relevance, and I appreciated his insight into ways people can apply knowledge. He's a super guy to have taught dentistry for 50 years."

The road to dentistry for Dr. Quinn actually began more with football than with teeth. Intending to pursue a career in education like his college coach father, Dr.



E. Robert "Bob" Quinn, D.M.D.

Quinn enrolled at Eastern Oregon University in his hometown of LaGrande. During his sophomore year, Dr. Quinn's mother encouraged him to apply for dental school.

But even after a two-day manual dexterity test – required in those days – where Dr. Quinn carved shapes in a chalk block with a dental instrument to prove his mettle, he was placed on the alternate list for dental school for lack of science credits.

"The School was having trouble getting Oregon residents to apply, and at that time, 60 percent of the class had to be from Oregon," said Dr. Quinn. "I got called up right before school began. I played (center linebacker) football on a Saturday night and I started dental school on a Monday morning.

"I'll never forget that first day," he said, with a chuckle. "There was a young guy, **Kaare Evju**, from Norway in our class asking all these questions and I couldn't understand a word he said! I figured it was because I only had two-years of pre-dental under my belt, but it turns out, he was speaking Norwegian."

Dr. Quinn attended dental school at the old building on N.E. 6th and Oregon streets.

"The building was getting pretty bad and the school was close to losing its accreditation," he said. "In the clinic, we had buckets hanging from chicken wire to catch *(continued on page five)*

SOD Calendar

March 27	End of 12-week winter term
March 30-	
April 3	Spring Break
April 4	Alumni Association Annual Meeting and Awards Luncheon, 11:30 a.m. to 1 p.m.
April 3-5	Reunion Weekend 2009
April 6	Start of 12-week spring term
April 20-23 and	
April 27-30	Spring Phonathon
May 7	SOD Research Symposium
May 7 -9	Alaska Dental Society Annual Membership Meeting
May 20-22	Montana Dental Association Annual Meeting
May 23-26	WREB Exam
May 25	Holiday—Memorial Day

SOD Study in JADA

An OHSU School of Dentistry study published in the December 2008 *Journal of Endodontics* that found an association between Epstein-Barr Virus and inflammatory diseases of the mouth, is cited in the News section of the February *Journal of the American Dental Association*, <http://jada.ada.org/cgi/content/full/140/2/150-a>, reports principal investigator **Curt Machida**, Ph.D., professor of integrative biosciences.

In addition to Dr. Machida, the OHSU team on the study included **Hong Li**, D.D.S., M.Sc., Ph.D., a recent OHSU endodontology graduate; third-year OHSU dental student **Vicky Chen**, B.S.; second-year OHSU dental student **Yanwen Chen**, Ph.D.; and **J. Craig Baumgartner**, D.D.S., M.Sc., Ph.D., chairman of the OHSU endodontology department.

For information about the study, go to [www.jendodon.com/article/S0099-2399\(08\)00879-0/abstract](http://www.jendodon.com/article/S0099-2399(08)00879-0/abstract)

Professor Writes New Technique Manual

One of OHSU School of Dentistry's faculty recently unveiled a new technique manual. **William Bonniksen**, D.M.D. '75, spent six months drafting a "Technique Manual for Gold Castings," a course he has taught to second-year dental students since joining the faculty in 2006. Dr. Bonniksen introduced his manual just in time for the start of winter term in early January.

The 44-page manual has large, colorful photographs with step-by-step instructions and discussions about clinical relevance throughout the book.

"I did a lot of gold work in my practice for 30 years and I felt that I could add something to the gold program," said Dr. Bonniksen, who retired from his Salem, Ore., private practice the same year he joined the School. Dr. Bonniksen is an assistant professor of restorative dentistry and was in the Tucker Study Club for a decade.

Dr. Bonniksen wrote all the copy, snapped all the photographs, and taught himself Microsoft Publisher to design the manual, published through the university. Ten copies of the manual are available for lending.

"There is always something to learn about dentistry," he said. "I included some of the practical experience from the clinic, so dentistry actually helped write it. It was a lot of fun, and the dental students seem to like the book."

Mail Delivery Reminder

School of Dentistry staff, faculty, and students are asked to have all personal mail – TV Guide, People, etc. – sent to their home address and not OHSU, per university policy. "We have been experiencing quite a few deliveries in the way of magazines, newsletters, and Netflix movies," noted materials manager **Craig Galloway**.

OMS Care Complete Care for Kenya Shooting Victim

Walking down the hall to the department of oral and maxillofacial surgery, **Elizabeth Bwayo** looks like a different person than when she arrived at OHSU two years ago.

The Kenyan, sister of SOD administrative assistant **Grace Kuto**, was randomly shot in the face by gangsters in Kenya in early 2007. Her husband, **Job**, was killed in the attack, and her friend, **Carol Briggs**, also was severely wounded in the face.

Now, two years later, Elizabeth has come to say goodbye to her lead surgeon, **Leon Assael**, D.M.D., chair of oral and maxillofacial surgery.

"You have a human touch," Elizabeth said to Dr. Assael, with a big hug. "You get involved personally and that played a big part in my healing. Knowing that you were excited about my healing made all the difference."

After the February 2007 shooting, Elizabeth and Carol received care at Nairobi Hospital from **Eric Kahugu**, F.F.D., R.C.S.I., F.D.S., M(Med)Sc., F.I.A.O.M.S., one of 15 oral and maxillofacial surgeons in the country of 28 million. Dr. Kahugu had met Dr. Assael at several conferences and, when he learned his patients were from Oregon, arranged for their transfer to OHSU as soon as they were stable.

"From the point at which we started, we have achieved a lot," said Dr. Assael. "Unfortunately, this is a fairly common injury to the jaws, so we have a lot of experience. We've come out of this as well as anyone can."

Elizabeth has had a full reconstruction, including a lip tongue release with a forearm flap. She can eat by mouth and her scars blend beautifully along the sides of her chin. Her speech is growing clearer every day.



Leon Assael, D.M.D., chair of oral and maxillofacial surgery (left) with Elizabeth Bwayo in early February. (Photo Sydney Clevenger)

"The techniques we used in reconstruction aren't available most places in the United States," said Dr. Assael. OHSU specialists **Mark Wax**, M.D., F.A.C.S., and **Thomas Albert**, D.M.D., were instrumental in Elizabeth's care, as was **Charles Dufort**, D.M.D., a Vancouver, Wash., prosthodontist, and a number of OHSU residents and other health professionals.

"We're all capable of hard work, but we can only pray for good results and we've had very good results," said Dr. Assael.

On Feb. 7, Elizabeth flew back to Nairobi to resume her life in Africa, where she'll manage a guest house the Bwayo family owns.

"I received the best care," said Elizabeth. "I know when I get home, people won't recognize me. When I look at the pictures after the shooting, I look so different. I am just so happy with Dr. Assael and his team."

Added Grace Kuto, SOD administrator in patient business services and Elizabeth's sister: Though it's been a difficult two year journey for our families, much of it was blessed by the encouragement and support from my School of Dentistry family. My gratitude is extended to Dean Jack Clinton, Dr. Denice Stewart, Rose Russell, Alumni Association, and any staff, faculty and students who personally and corporately held my hand through this difficult time. Finally but not least, our family eternally thanks Dr. Leon Assael (who is now well known in Kenya among his professional colleagues) and his world class team of faculty, residents, and staff for so caringly restoring Elizabeth's and Carol's severe injuries. I am so blessed to be part of the School of Dentistry family.

Dr. Quinn (continued from page two)

the rain leaking from the ceiling.

"There was no running water or compressed air at the chair side and our patients spit into cuspidors," he said. "We used a squeeze bottle to rinse patients' mouths so they could spit into the cuspidor because the sinks were at the end of the aisles.

"There wasn't any room for chairs, so we stood while we saw patients."

Patients, said Dr. Quinn, were people off the street, much like today. The dental school was inexpensive, he said; much cheaper than going to a dentist in private practice.

Dr. Quinn lived with another first-year dental student in what he calls "The Attic," a room with "wallpaper between the studs," located on 10th and Broadway. The room cost \$7.50 a month and some yard work.

When Dr. Quinn's roommate dropped out of dental school, **John Wagoner**, D.M.D. '55, from Meridian, Idaho, moved in. The two men became inseparable. (Dr. Wagoner, "Wags," died Nov. 13, 2008, of lung cancer).

After graduation in 1955, Dr. Quinn served two years in the United States Army as a dentist in Korea. (Dr. Wagoner was commissioned by the United States Navy as a dentist).

In 1957, the pair began teaching at the dental school – now in a \$2.2 million building on Marquam Hill – and opened a private practice in Beaverton, Ore., sharing a staff person.

"We were both easygoing," said Dr. Quinn, of the friend and partner he calls "amazing."

"If one person used an extra pound of plaster, neither of us worried," he said. "There were times

I'd say I was tired and I'd find John had come in and done some crowns for one of my patients without having been asked. We each tried to do 110 percent."

At one point, Dr. Quinn's wife, Shirley, was the bookkeeper, and Dr. Wagoner's wife, Marilyn, the receptionist.

"They told us when we built our new office (a block from Beaverton High School) that dentists can't work together that closely, but we never had a problem," said Dr. Quinn.

The only "trouble" Dr. Quinn had in private practice was with technology.

"When John and I started with computers, three days worth of books were lost," he said. "That's what turned me off computers for good. When they put computers into the dental school I was worried I might have to quit. I'm not an email guy."

Dr. Quinn retired from private practice in 1997.

Early on, Dr. Quinn was interested in cosmetic dentistry and was in several study clubs. After the 1980s when aesthetic dentistry moved into implants, Dr. Quinn was in high demand to lecture for such organizations as the American Academy of General Dentistry and the Kerr Company.

"One thing I enjoy in the clinic is that they often send dental students to me with aesthetic dentistry questions and patients," said Dr. Quinn. "I think dental students appreciate my knowledge of composites and porcelains."

Now 78, Dr. Quinn works at the School two full days a week. "I continue to teach because I love dentistry," said Dr. Quinn. "And I love to teach."

"I never had the pleasure of Dr. Quinn as an instructor," said Dean **Jack Clinton**, D.M.D. '64,
(continued on page six)

Dr. Quinn

(continued from page five)

"because when I was in School he only taught dental students in the last half of the alphabet. "It is a rare individual that works at the School of Dentistry – or even the university – for 50 years," said Dean Clinton. "There are only one or two people at OHSU who achieve that milestone every year. And, even today, fifty years after he began teaching here, Dr. Quinn remains a perennial student favorite. Fortunate is the dentist who has Bob as a mentor."

Indeed, Dr. Quinn has been honored with dozens of instructor awards from various graduating classes; most recently, he was elected faculty marshal at the 2008 hooding and honors convocation. He was president of the alumni association from 1982-83, alumni of the year in 1991, and has received numerous dean's awards, most recently in 2007.

"Dr. Quinn is a rock star," said Dr. Carlascio. "He has touched the lives of so many dentists as an educator, mentor, and friend. We are so fortunate to have him at the dental school."



This four lb. wooden greater scaup took more than 200 hours for Bob Quinn, D.M.D. '55, to carve with his dental drill in his Mountain Park, Ore., basement. Each of the duck's feathers have 100 stripes. Dr. Quinn traces the pattern onto a block of wood, and then uses a band saw to cut the shape. The head and wings are inserted onto the body before handpainting. "I did a little carving before retiring 12 years ago, but not much," said Dr. Quinn. A dentist is used to using his hands and you miss that. I enjoy carving and it's relaxing for me." (Photo Brian Mitchell, D.M.D. '75)

New Grant from Juan Young Trust

OHSU School of Dentistry recently received a \$7,000 grant from the Juan Young Trust for its pediatric dentistry department. The grant will enable the School to begin developing an early "dental home," for uninsured, low-income children, including screenings, examinations with preventive care, and follow-up.

"This is an incredible gift for Portland-area children who otherwise would not have access to quality dental care," said **Prashant Gagneja**, B.D.S., M.S., chair of pediatric dentistry. "This kind of generous philanthropy is so critical, particularly in times when the economy is uncertain, and families are much less likely to spend scarce dollars on oral care."

The goal of the early dental home is for the children selected to have very few or no dental caries at their subsequent visits; for all the children to exhibit fewer dental problems at recall appointments; and for all the children in the program to demonstrate improved health behavior in the dental clinics.

More on Dr. Quinn ...

"I still remember to this day when Dr. Quinn was lecturing about a procedure he had done and he included a mistake he had made that he had to correct. Of course, the clinical end results were beautiful, but what a great example of integrity and real dentistry."

--Rita Patterson, D.M.D. '91, assistant professor, prosthodontics

"Dr. Quinn and Dr. Wagoner were legends when I was a student. The feeling among the students and faculty was that if one of those two couldn't perform the procedure, it couldn't be done."

--Bill Dugan, D.M.D. '65, associate professor emeritus, operative dentistry

Status of SOD Café

This month, the café on the second floor will begin operating with "very limited" food choices during the hours of 11 a.m. to 1 p.m. OHSU will periodically review the business model and could reduce or increase service as needed.

Rural Community Outreach for DS4 this Spring



Ryan LeMert

Fourth-year dental student **Ryan LeMert** knows he wants to work in a rural community after graduation in June. So when he was asked to practice dentistry off campus in Roseburg and Baker City, as part of the School's community outreach program, he jumped at the chance.

"I am 95 percent done with my clinic requirements and wanted something worthwhile to do with my time," said Ryan. "I am heading immediately into private practice after graduation and see this opportunity as absolutely invaluable in my transition from a student to dentist in the `real world.'"

Ryan, 26, is spending two weeks in two rural Oregon communities this spring. In Roseburg, he saw patients at the Umpqua Community Health Clinic, visited schools to teach young people about dental hygiene, and familiarized himself with how the Douglas County Health Department operates.

"The clinics and dentists seem delighted to have dental volunteers," said Ryan. "It is refreshing to have a change of pace and another way to learn dentistry."

The SOD's Community Dental Rotation is currently an elective; by fall, every fourth-year dental student will be required to spend at least two weeks in community-based education. The community dental rotation is sponsored by AHEC *(continued, at right)*

(Area Health Education Centers) and the Oregon Office of Rural Health. One goal of the program is to increase the number of dentists practicing in rural, underserved areas, said **Mike Plunkett**, D.D.S., M.P.H., assistant professor of community dentistry and director of outreach programs.

Come June, Ryan will be one of those new rural dentists. "I'll be in rural southern Oregon in a single dentist office with only one dentist in the area," he said. "I hope these four weeks will give me a valuable jump-start on being on my own in a private practice."

Several other DS4s have expressed interest in community outreach this spring, said Dr. Plunkett.

If you have a submission for *Dental Bites*, please contact Sydney Clevenger (clevenge@ohsu.edu, 503-418-1792) by the 25th of the month prior to publication.

Dental Students to Present Research at IADR

Two second-year dental students will present research at the IADR (International Association for Dental Research) meeting April 1 to 4 in Miami Beach, Florida. **Amanda Rice** and **Shawn Monahan**, who conduct research in the lab of **Curtis Machida**, Ph.D., professor of integrative biosciences, are going to IADR with travel awards from the Dean's Office and OCMID (Oregon Coalition of Minimally Invasive Dentistry). Their abstract is, "Bioluminescent Stretptococci Biosensors: Use in Detection of Potential Anti-Microbial Agents."

National Children's Dental Health Month *(continued from page one)*

uninsured and low-income families right now, even though it is very important that children receive regular dental care," said **Prashant Gagneja**, B.D.S., chair of pediatric dentistry. "Providing care and education to low-income children will not only help the children and their families, but, hopefully, raise awareness statewide about children's oral health needs. We feel that in this uncertain economy, now is an especially important time for our dental students, staff, and faculty to support the community."



Third-year dental student Shephard DeLong talks to third graders at Brooks Elementary, as part of National Children's Dental Health Month (Photo Melissa Monner)

On Feb. 6 and 7, the School sponsored Celebration of Smiles at the Portland Children's Museum, in conjunction with local dental societies. More than 1,400 children and their families attended the Saturday event highlighting the importance of early and regular oral health care.

New in 2009 was a Friday evening event

at the museum sponsored by Target, said second-year dental student **Vishal Panchmatia**, who was one of the coordinators for Celebration of Smiles. "In a span of just three hours, the museum had over 1,000 children come and enjoy our dental-themed exhibits, which is an all-time record for turnout," said Vishal. "We were very thrilled by the amazing showing."

Brooks Outreach

Third graders at Brooks Elementary in Brooks, Ore., were treated to an oral health presentation by OHSU dental students Feb. 13. The dental

students were split into four groups and 80 third-graders rotated between presentations on oral hygiene, nutrition, dental anatomy, and dental emergencies.

Said third-year dental student **David Garlock** as he approached the school and saw the Brooks students waving from the classroom, "I feel like I'm coming in on a white horse!"

Sealant Day

For the 11th year, the School offered Sealant Day to Buckman Arts Elementary School second graders. Seventy Buckman children were pre-screened on Feb. 10 and 33 received free sealants from third- and fourth-year dental students in the Dr. and Mrs. Carl Rietman Pediatric Dentistry Clinic on Feb. 19.



Fourth-year dental students Diep Pham (left) and Sadriden Naimov care for a Buckman second-grader. (Photo Sydney Clevenger)

"You're doing great," fourth-year dental student **Diep Pham** told seven-year-old Aliza Richardson, who was clutching her stuffed puppy, Buddy.

Aliza has a regular dentist, said her mom, Colleen, but they have no dental insurance and the cost of sealants is a stretch. "This is a great opportunity," said Colleen. "I'm happy OHSU is doing this for Buckman."

Gootee Lecture *(continued from page one)*

Companies board, led by **Jay Lamb**, D.M.D. `80, to honor Robert Gootee, the longtime president and CEO of The ODS Companies.

"Leadership and strong ethics are often underused and underachieved particularly in today's busy economic climate," said Dean **Jack Clinton**, D.M.D. `64. "Having a good ethical background is critical to success in business and dentistry is no different."

First- and fourth-year dental students were required to attend the Gootee lecture, held in the School's second floor classroom. The majority of The ODS Companies board and executive team also attended the lecture, as well as Oregon Dental Association Executive Director **Bill Zepp**, ODA President **Rick Asai**, D.M.D. `81, and OHSU President **Joe Robertson**, M.D., M.B.A.

"When we were considering a way to honor Robert, this lectureship was a natural fit," said Dr. Lamb, of Eugene, Ore. "Robert is an authentic leader and he has credibility in who he is and what he does."

"We see the dental school as a cornerstone to the dental profession in this state and so this lecture at the school goes hand-in-hand with that vision."

"When you leave dental school you will be asked to be a leader – either willingly or unwillingly – so you need to take that role seriously and reflect on it from time to time," said Dr. Lamb.

Mr. Gootee noted that he is not a dentist, but he loves dentists.

"One of the chasms that I'd like to bridge today is that I'm not all that different than any of you," he said. "You may think I'm very different from you, but hopefully, by the end of this you will see that we're much closer."

"In the end, all of you in running your dental practices, in the leadership that you will inherit because of your education and status in our society,



OHSU President Joe Robertson (left) with Dean Jack Clinton, D.M.D. `64, and The ODS Companies President and CEO Robert Gootee at the Gootee Lecture mid-February. (Photo Dan Carter)

will be CEOs in your own right," said Mr. Gootee. "You won't think it yet, but you will be."

Mr. Gootee used books and quotes and his own experiences to talk to the dental students about leadership: the importance of communication, of working with others who share common values, having a vision and feeling confident about your decisions, making prudent people choices both personally and professionally, being honest, taking the blame and sharing the glory, and not letting mistakes bog you down.

Fourth-year dental student **Suzan Nguyen** said she didn't know what to expect, but she was glad she attended.

"I liked the lecture a lot because communication is so important. When we communicate with other people we have to have trust, be honest, express what we don't know, and acknowledge mistakes. Having heard that these are important traits from someone else is good. In practice, I will remember what he said and continue to be better. When we're out making money, we may sometimes forget what we believe and that's what I don't want to lose."

Look for key excerpts from Mr. Gootee's speech in the March 2009 *Caementum*.

R25 Grant Inspiring SOD Faculty and Dental Students

A research education grant from NIH (R25) is making a difference within the School, reports **Ron Sakaguchi**, D.D.S., Ph.D., M.S., M.B.A., professor of biomaterial and biomechanics. The grant is facilitating growth in research and scientific reasoning throughout the curriculum via seminars, workshops and research, he said.

The synergy with the group practices in the pre-doctoral clinic has created a 'perfect storm,' said Dr. Sakaguchi, enabling teams of dental students and faculty to evaluate evidence in the published scientific literature and integrate those concepts into clinical practice. Faculty and dental students have said that more exercises and training in scientific reasoning, critical thinking, and assessment of the scientific literature would improve the culture of research in the school and provide even better quality of care for patients.

Between spring of 2007 when the grant began and winter 2009, course content hours and class exercises in evidence-based decision making more than doubled. In the same period, use of scientific literature also doubled, and research methods continue to increase.

Availability of instructional and clinical technology for dental faculty and students has increased dramatically as a result of the grant, said Dr. Sakaguchi, promoting research and critical thinking. For example, the DIAGNOdent, which uses fluorescence to screen for tooth decay, was introduced to SOD faculty recently, including a summary of scientific evidence regarding the utility and accuracy of the DIAGNOdent. This device will promote research projects by dental faculty and students. Dr. Sakaguchi said his goal is an evidence-based approach to device and material introduction in the clinics that includes an assessment of scientific evidence.

A Community of Learning: Strategies for Effective Faculty Development was presented by Dr. Sakaguchi last month, the first in a series of faculty development sessions focusing on assessing critical thinking through machine-scorable exams, evaluation of simulation exercises, mentoring, coaching, and team dynamics. Dr. Sakaguchi discussed the importance of a community for peer learning in instruction methods and communication.

The School's classroom performance system, or 'clickers' were used to promote discussion and critical thinking, said Dr. Sakaguchi. Clickers allow dental students to more freely respond to questions during lecture or discussion. Dental students enthusiastically participated in courses where clickers were used, he said.

Templates were created for the *Clinical Scientific Inquiry* course that requires dental students to create two Critically Appraised Topics using scientific literature. Students presented their findings and conclusions in teams at the end of the course. They reported that the reflection exercises and use of cases for discussion and evaluation effectively promoted critical thinking.

May Research Symposium

An SOD research symposium is set for 5:30 p.m., Thursday, May 7, in the Casey Eye Institute for dental students and faculty to present summaries of their research projects. A goal of the symposium is to demonstrate the diverse research activity within the School and to stimulate research participation. All School faculty, staff, and dental students are invited. More information will be coming soon for a link to registration. The symposium is made possible by the NIH R25 grant.

Course Offers Dental Students Taste of Oral Injections

They say dental students never forget their first oral injections and the class of 2011 is no exception.

"The professors made sure to let us know of the negative consequences of a poorly placed injection!" said second-year dental student **Travis Hamilton**. "I've had oral injections before at my dentist. After the first injection, [in anesthesia lab] I felt much more comfortable. I actually felt less discomfort this time [getting an oral injection] compared to previous times with my old dentist."

The OHSU School of Dentistry's Dental Anesthesia course, or what's known affectionately around the school as 'stab lab,' is being taught this winter by **Julie Ann Smith, D.D.S., M.D.**, assistant professor of oral and maxillofacial surgery.

Dr. Smith said she works hard to help dental students feel comfortable about giving – and receiving – oral injections.

"Dental anesthesia is so important to a dental practice," said Dr. Smith. "We use DVD instruction, as well as verbal instruction, using skull models to demonstrate the various anesthesia techniques.

"We also discuss when you would use certain types of anesthetic and/or certain anesthesia block techniques by integrating case scenarios into the discussion."

The dental students then pair up and do injections on one another, under the supervision of faculty.

DS2s **Amanda Rice** and **Marisa Sonerholm** have been paired for much of anesthesia lab. "Having already successfully attempted all recommended blocks, my partner and I wanted to get as much practice in as we possibly could," said Marisa. "I ended up administering an IA, long buccal, PSA, MSA, ASA, and nasopalatine through the interdental papilla on her all in one session. She did basically equivalent shots to me, only substituting an Akinosi for the IA and adding in a couple of extra attempts at my elusive long buccal nerve. The left side of my face was numb for hours!"

Both Marisa and Travis called the course "terrific," and appreciate the hands-on approach to learning and the euphoria of starting to practice real dentistry.

"It has also been so useful to me to experience what I will expect my patient to endure," said Marisa. "I now am very familiar with the level of pain they can anticipate when receiving an injection. I know what the effects of anesthetic feel like, and roughly how long their altered sensations will last. All of these experiences will help me to be a more knowledgeable and empathetic practitioner."



Julie Ann Smith, D.D.S., M.D., assistant professor of oral and maxillofacial surgery (front right) shows second-year dental students the proper technique for administering oral injections. (Photo Michael Carlascio, D.M.D. '81)