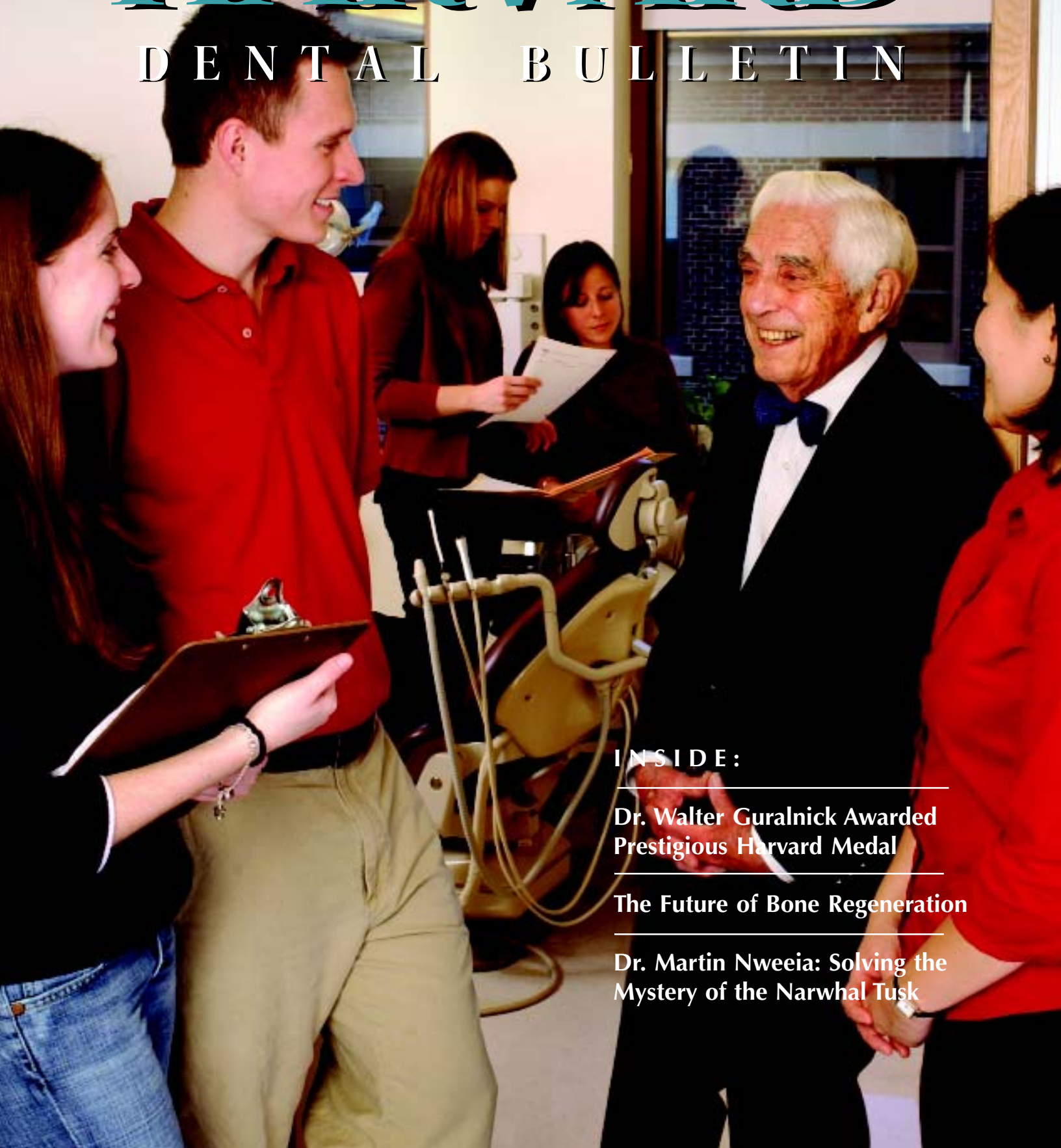


HARVARD

DENTAL BULLETIN



INSIDE:

**Dr. Walter Guralnick Awarded
Prestigious Harvard Medal**

The Future of Bone Regeneration

**Dr. Martin Nweeia: Solving the
Mystery of the Narwhal Tusk**

FROM THE ALUMNI EDITOR



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Since the inception of the teaching clinic at HSDM in 1867, the spirit of the dental school has been centered on patient care, research, education, and developing leaders in the field of dentistry. During this time, the contributions of students, faculty and alumni to this spirit have been remarkable.

In this issue of the Bulletin, alumni will read about the enormous contribution of our distinguished alum, Dr. Walter Guralnick '41. Dr. Guralnick, the recipient of a 2005 Harvard Medal, has been an iconic figure at HSDM and a pioneer in the field of Oral and Maxillofacial Surgery. His contributions to education and research at HSDM, and to dentistry as a whole have positively affected the practice of dentistry over the past 50 years. Dr. Guralnick, who continues to contribute to the School, embodies the spirit of HSDM and serves as a genuine role model for the rest of us.

In this issue, you will also learn about the Harvard Dental Center's Teaching Clinic, its various components, and how it continues to be a source of sophisticated dental care for all segments of the community. You will read about the new horizons in bone regenerations explored by the Harvard Faculty at the Department of Developmental Biology and learn about the philanthropic efforts of alumni Drs. Steven Roser '68 and Shahid Aziz '96 in treating children with cleft lip and palate.

With the dedication of the Research and Education Building, 2005 was an historic year for HSDM. Under Dean Bruce Donoff's leadership, it continues to be a place where world class educational community where research, education, and patient care come together to produce exceptional dentists and oral physicians who become leaders in their own right.

We hope that you enjoy this issue of the Bulletin and I encourage you to write to us and keep us updated about your activities and accomplishments.

Sincerely,

A handwritten signature in red ink that reads "Ali Nasseh". The signature is fluid and cursive, with a long horizontal stroke at the end.

Ali Allen Nasseh, D.D.S., M.M.Sc. '97
Clinical Instructor

HARVARD DENTAL BULLETIN

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DR. WALTER GURALNICK: PROFESSOR EMERITUS RE FOR CHANGING THE FAC



(Above) Dr. Guralnick speaking to members of the Peabody Society.



Walter Guralnick, a college sophomore, in 1935.



In 1943, Dr. Guralnick served at the 7th General Hospital in England during World War II.

COGNIZED E OF DENTAL EDUCATION

Walter Guralnick, D.M.D. '41, professor of oral and maxillofacial surgery, emeritus, one of the giants in dental medicine, was awarded the Harvard Medal. He's only the second dentist to take home the prestigious award given by the Harvard Alumni Association (HAA) to those who have provided distinguished service to the University. Harvard President Lawrence H. Summers awarded the 89-year-old Dr. Guralnick the medal during the HAA's annual meeting on the day of Commencement on June 9, 2005.

Throughout his more than five-decade career, Dr. Guralnick has made a significant mark in many areas of his field. But the impact of his work was perhaps the greatest in his creation of a program at Harvard School of Dental Medicine (HSDM) that allows students to attain an M.D. with a residency in oral and maxillofacial surgery and general surgery, in addition to a D.M.D. He accomplished this while chairing the Department of Oral and Maxillofacial Surgery at Massachusetts General Hospital (MGH) from 1967 to 1982, where he also headed the hospital's ambulatory care services and operating room. Dr. Guralnick considers getting the D.M.D./M.D. program, the first of its kind, approved in 1972 to be his greatest accomplishment.

Dr. Guralnick felt that oral and maxillofacial surgeons should have the same training as other surgical sub-specialties all of which have a core of general surgical residency. In order to accomplish this, completion of the M.D. degree is necessary. The Harvard/ MGH dual degree residency was therefore established. The residency program allows students of oral and maxillofacial surgery to obtain both degrees in six years. It's the only option offered by Harvard for this specialty. Guralnick says that by enabling oral and maxillofacial surgery residents to receive medical training in addition to their dental training, you get specialists who are more knowledgeable and confident.

Dr. Bruce Donoff, dean of HSDM, agrees. He believes that because the dual degree provides students with eighteen months of training in general surgery, the program allows residents to have a greater level of responsibility than they would otherwise have if they had not attained their M.D. "It allows them to do general surgery at the proper level. The more surgery one does, the better surgeon they become and they are better able to take care of the whole patient. That's the philosophy of this school.," said Dr. Donoff.

Surprisingly, the idea was met with resistance at first. Although the program was approved by the faculty of

medicine, some of those in the oral surgery community thought that the introduction of a dual degree might dilute the stature of those surgeons who didn't have an M.D. "He was incredibly courageous at the time," says Gerald W. Austen, M.D., Edward D. Churchill Professor of Surgery at Harvard Medical School and at MGH, who served as chief of the surgical services at MGH when Dr. Guralnick was there. "But he thought it was the right thing to do, and so he did it," said Austen. Eventually, the naysayers got past this fear. The success of today's program is evidenced by the fact that more than half of the 100 programs in the United States have copied it, said Dr. Donoff.

In addition to initiating the Oral and Maxillofacial Surgery-MD-General Surgery Program, Dr. Guralnick was the driving force in developing Delta Dental of Massachusetts, one of the first dental insurance plans in the nation and the first in Massachusetts. The plan was established in 1966 when many of his peers thought it shouldn't be done. "Dentists simply didn't want a third party involved in the payment process," explains Chester Douglass, D.M.D., Ph.D., chair of the department of oral health policy and epidemiology at Harvard School of Dental Medicine, and board member of Delta Dental. "They didn't see it as a chance to enable more people to get dental care," said Douglass. Dr. Guralnick persevered,

The United States isn't the only country to have benefited from Dr. Guralnick's dedication and hard work.

Dr. Guralnick was awarded the Harvard Medal at a commencement day ceremony in Harvard Yard on June 9, 2005. (Left to right) Dr. Linda Niessen '77, '84; Mr. C. Dixon Spangler M.B.A. '56, fellow Harvard Medal recipient; Dr. Walter Guralnick '41, and Dr. Chester Douglass A.M. '89 at the ceremony.





(Above) Member of the Dean's Board of Fellows, Paul Donahue and his wife, Ruth, stand with Mrs. Betty and Dr. Walter Guralnick at the AAOMS reception.



(Above) Dr. Guralnick receiving an Honorary Professorship from the Medical University of West China in Chengdu, China in 1990.



(Left) During the dedication of the new Research and Education Building, guests congratulate Dr. Guralnick with a standing ovation in June 2005.



(Left) Dr. Guralnick (left) performing orthognothic surgery in Xian, China in 1989.

and after a ten-year struggle established the plan with the support of Blue Cross Blue Shield of Massachusetts and the Massachusetts Dental Society, of which he was president at the time. Delta Dental is now run independently of each, providing \$5 million a year to the underserved in Massachusetts. "It was an amazing accomplishment," said Dr. Douglass.

The United States isn't the only country to have benefited from Dr. Guralnick's dedication and hard work. In 1979, he made his first trip to China, which had recently opened up after President Nixon had visited there. Later that year, he went back to travel with a team of doctors around China teaching and giving lectures at various medical schools. And the following year, at the request of the Chinese Medical Association, he returned with a team of dentists to tour the country giving lectures about topics in dentistry like oral surgery and fluoridation. "The one thing you have to understand about China is that medicine in China is very sophisticated...As far as their knowledge of medicine goes, it was always good," explains Dr. Guralnick. "They didn't have the goodies that we did. And that was what was important. Some parts of oral and maxillofacial surgery they weren't doing much of. They were doing all the cancer surgeries that we do, but when it came to some of the jaw deformity surgeries that we were doing on a routine basis, they hadn't yet begun to do that. So we were able to bring that to them and they were quickly able to absorb that," said Dr. Guralnick.

In 1985 Dr. Guralnick and a group of other dentists joined the nonprofit international healthcare group Project Hope to create a program in dental surgery education. This program continued until 1992 when the team's surgical work was complete and Project Hope had developed, at the suggestion of Dr. Guralnick, a program in preventive dentistry. Several other notable honors bestowed on Dr. Guralnick were

election to the Institute of Medicine of the National Academy of Sciences and The Royal College of Surgeons, of England in 1986. In 1993, the Walter C. Guralnick Professorship in Oral and Maxillofacial Surgery was established. It was the first endowed Chair at HSDM.

At 89 years old, Dr. Guralnick is still incredibly active. Although he doesn't see many patients, he continues to teach residents and serves as senior fellow of Peabody Society, where he mentors students. He won the A. Clifford Barger Excellence in Mentoring Award in 2001. He also volunteers his time to come into MGH several days each week to do work with the residents. "If I didn't enjoy this, I wouldn't do it," he said. Working with students is always interesting and enjoyable. It's something that I love to do," said Dr. Guralnick.

The Harvard Medal is awarded by the Harvard Alumni Awards Committee, with University alumni and friends periodically offering names for consideration. Dr. Linda Niessen, '77, D.M.D., vice president for clinical education for the dental products company Dentsply International and liaison between HSDM and the HAA committee, spearheaded Dr. Guralnick's nomination in an effort to represent the dental school among the winners of this prestigious award. Her search for candidates was easy. "When you think, who would that be, Dr. Guralnick is it," said Dr. Niessen. "Dr. Guralnick is our renaissance man." Among others who supported his nomination was Dr. Donoff. "His influence on graduates of the Harvard School of Dental Medicine and Harvard Medical School has been enormous," he wrote in his nomination letter. Past winners have included former Harvard Presidents Derek Bok and Neil L. Rudenstine, actor John Lithgow, and former Watergate special prosecutor Archibald Cox, to name a few.

Dr. Guralnick expressed deep appreciation of the support he has received from

so many, particularly of his family including his wife, Betty and his three children, Peter, Susan, and Tom. "It is from them, in particular, that I learned social consciousness," said Dr. Guralnick. Besides being a wonderful human being, colleagues say, Dr. Guralnick is a visionary, a leader, a skilled teacher and mentor, and a top-notch surgeon. "He's one of the few people who has been able to balance all of the things a dentist and educator must do," said Dr. T. Howard Howell, dean of dental education. "He's a superb clinician, administrator, role model for students and colleague. There's nothing he doesn't do well," said Dr. Howell.



(Right) Dr. Guralnick speaking as a mentor to the Peabody Society.



(Above) Dr. Guralnick sits with the incoming class of 2009 during new student orientation.

"His influence on graduates of the Harvard School of Dental Medicine and Harvard Medical School has been enormous. . ."

Harvard Dental Center's Teaching Practice: TRAINING THE TEACHERS AND CLINICIA

To live in the Boston area is to have access to some of the top doctors and dentists in the world. But for those who don't have medical or dental insurance, the cost of that care can be prohibitive. However, for more than a century Harvard School of Dental Medicine (HSDM) has been bringing more affordable, top-quality care to the general public through the services offered by the teaching practice. Today, patients receive dental care from HSDM's predoctoral and postdoctoral students for up to a third of what it would cost them at a general practice. Each year, between 12,000 and 15,000 Boston-area residents take advantage of this lower-cost dental care.

The teaching practice has been in existence since 1867, when what was then called the Harvard Dental School was founded. Over the next 135 years, as dentistry became more sophisticated, the clinic grew and moved to several different locations, including one next to Massachusetts General Hospital and two different buildings on Longwood Avenue. In 1993 it moved to its present location in the Mindel Clinical Center, and the faculty practice was established on the first floor. And in 1996 the teaching practice upstairs was renovated to its current forty-two-chair capacity. Housing a clinic on campus is unusual for Harvard. In fact, the dental school is the only school at Harvard to house a clinic on campus rather than through local hospitals—an indication of the critical nature of the clinical component in dental education.



Location, however, is not what makes the HSDM teaching practice stand apart from others. It's what goes on inside the clinic that makes it unique for both students and patients. For one, the curriculum introduces predoctoral students to the clinical portion of their education later than most dental schools do. While many graduate dental programs throw students right into patient care, Harvard requires that predoctoral students spend two years taking mostly medical classes before delving into dentistry and working with patients. Predoctoral students spend a summer reviewing basic clinical procedures before they set foot in the clinic. Because the curriculum is case-based, once students begin their clinical work, they get to take what they learn in the classroom and within a few weeks put it into practice working with patients. Students in other dental schools may see six months to a year go by before they get to try out a procedure they learned in class, said Nachum Samet, D.M.D., director of predoctoral prosthodontics at the clinic.

The clinic also capitalizes on the fact that HSDM is the second smallest predoctoral dental program in the United States, accepting only thirty-five students a year. This small size enables faculty to be accessible and allows them to easily monitor each student's progress. However, despite this close-knit environment, students are encouraged to work as independently as possible. "We don't teach the students that there's only one way to do something," explained John DaSilva, D.M.D., M.P.H. '87, director of advanced graduate education. "We teach them how to use the tools to understand an approach to patient care. We don't necessarily lock them into a set way of doing things. I think that's very unique among dental schools." Adds teaching practice dental assistant Jose Caicedo,

"When our students go out to other clinics, they don't have to be checked as often as other students. I'm really proud of that."

Part of what makes this learning environment possible is that HSDM attracts the top minds in dental students. "Their personal abilities are way beyond those of most dental students," said Dr. Samet. They can handle the responsibility of working independently in the clinic, yet know their limitations when faced with a situation that warrants more expertise. They're able to balance an open-door, one-on-one relationship with faculty and a sense of professionalism. And they can keep up with the high standards demanded of them.

Consequently, the HSDM teaching practice is more open than most teaching practices to students performing complicated procedures, like laminate veneers and implants, as long as they and their mentors feel they're up to it. "[The students] are really pushed to use current technologies," said Dr. Samet. "We try to give them the whole scope of the normal dental practice procedures." Patients receive composite restorations, for example, rather than the amalgam ones used at most clinics. Metal-free bridges and crowns are also used according to the latest practices. Even the materials used in the clinic are top-notch. Patients ask if the lower costs for services means we use cheaper materials, said Dr. Samet. That's not the case. "[The materials are chosen] based on the literature. They're not here because a nice representative says they would be a nice thing to buy," he explained. "You would find a representative of every group of materials that you'd find outside of the clinic."

The result? HSDM sends out into the world some of the most highly regarded, well-trained practitioners and

*A patient being treated
in the Mindel Clinical Center.*

NS OF TOMORROW

specialists in dentistry today. About 90% of Harvard predoctoral graduates go on to specialize—an unusually high percentage and a reflection of the caliber of the students. The clinic also encourages a respect among students—particularly among the postdoctoral residents—for the importance of teaching. In fact, sixteen of the fifty-four dental school deans in the United States are HSDM graduates, according to Bruce Donoff, D.M.D., M.D., dean of HSDM and Walter C. Guralnick Distinguished Professor of Oral and Maxillofacial Surgery. And 34% of HSDM postdoctoral graduates go on to pursue fulltime faculty positions in academia, as compared to 2% nationally who do so.

The HSDM teaching practice provides many advantages for students—an opportunity to build self-confidence and independence, to hone skills, to explore the latest technologies, and to provide a service to the community. But for students like Michael O’Toole ‘06 the opportunity to interact with patients is the most rewarding aspect of their clinical training. “I enjoy doing my research. I enjoy the teaching,” he said. “But the best part about this is seeing the patients. It’s starting from the beginning and having a treatment plan and then being able to complete it. That’s really pretty rewarding—to see a patient smile and say, ‘This is the first time I’ve been able to smile in years.’”

HARVARD DENTAL MEDICINE
Total Dental Care by Harvard Faculty

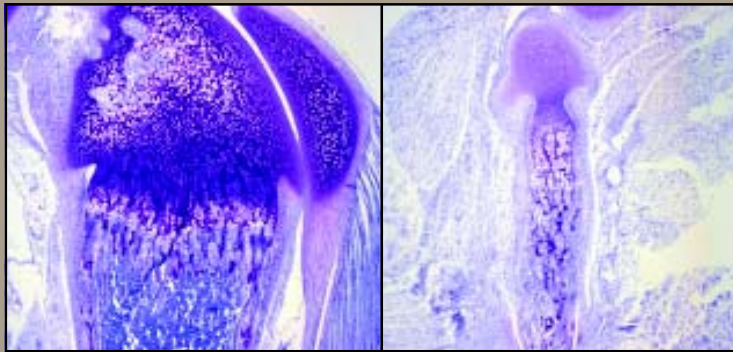


A patient being treated in the HSDM teaching practice.

Chairs	42
Patients seen per day	
January – June	120 – 200
July – December	80 – 120
Postdoctoral graduate students	60
Endodontics residents	12
General practice residents	6
Orthodontics residents	16
Periodontics residents	12
Prosthodontics residents	14
Predoctoral graduate students	72
Faculty to student ratio	1:8
Cost of an amalgam filling done by a...	
Predoctoal student	\$41
Postdoctoral student	\$74
Generalist	\$124
Specialist	\$124
Cost of a PFM crown done by a...	
Predoctoral student	\$457
Postdoctoral	\$695
Generalist	\$1,255
Specialist	\$1,560

THE CLINIC BY THE NUMBERS

THE FUTURE OF BONE REGENERATION



(Left) Slide of normal newborn mouse limb. (Right) The same mouse limb, missing BMP-2.

If you had to undergo a dental implant today, it could take as long as nine months for the bone around the implant to reform. That is, if you have enough bone for the implant in the first place. But soon may be when popping a pill is all you need to do to get your body to generate its own bone, making transplants and many other areas of dentistry a viable option for more people, reducing the pain and length of recovery, and improving the overall success of the procedure.

But first the basic science has to be in place. That's where Vicki Rosen, Ph.D., recently installed chair of the department of developmental biology, has already made a huge impact. Her research on bone morphogenetic proteins (BMPs), molecules instrumental in the regulation of bone formation, has been on the forefront of the field for more than twenty years. With the May 2004 acquisition of a \$ 2.5 million grant from the National Institutes of Health (NIH), Dr. Rosen plans to forge ahead in her work. "The research I do now is not product oriented," she explained. "It's oriented toward understanding not the pharmacological actions of these agents, but rather their roles in normal physiology. I would like to think that in the next couple of years we could identify what regulates the normal levels of BMPs found in the skeleton," said Dr. Rosen.

But first, a brief history of BMPs and what led up to this important new research. In 1965, Dr. Marshall Urist, professor emeritus of the department of orthopedic surgery at the David Geffen School of Medicine at UCLA, discovered that pulverized bone powder implanted under the skin of rabbits formed new bone. He named the factors that contribute to this phenomenon bone morphogenetic proteins. But it wasn't until 1988 that Dr. Rosen and her team of researchers, at what was then the Cambridge, MA-based Genetics Institute and is now part of the \$17.4 billion pharmaceutical giant Wyeth, were able to identify, isolate, and reproduce the specific molecules. In 1997 a recombinant version of the specific molecule BMP-2 was used clinically in patients undergoing spinal fusion. In 2002 the FDA approved the use of BMP-2 in place of a bone graft in spine repair. And in 2004 approval was granted for its use in fracture repair. Sales of this product are estimated at more than \$2 million a day. Scientists now estimate that there are more than fifteen types of these proteins, some of which generate bone and others of which seem to inhibit bone growth. The actions and interactions of these regulators are the focus of Dr. Rosen's research. "The ability to form bone is always going to be a balance between positive and negative regulation," explained Dr. Rosen. "Which is what makes it very complex."

To complicate matters further, despite the clinical success of BMP-2, it isn't likely that BMPs will ever be a candidate for the mass market, according to Bjorn Olsen, M.D., Ph.D., and dean for research professor in the department of developmental biology. Dr. Olsen has known Dr. Rosen for twenty years, and as former chair of the department participated in the search committee that recruited Dr. Rosen to the Forsyth Institute in 2001. "It was an enormous scientific success for Vicki's team at the Genetics Institute when they identified at the molecular level all these different BMPs," said Dr. Olsen. "It provided a fantastic basis for an important aspect of developmental biology. But therapeutically it hasn't been a similar success, although now it's slowly developing. In part, this is because these are proteins that have been made in ways that are not very cheap. They cannot be injected into the bloodstream or taken as tablets orally. They have to be deposited in some form so that they can be slowly released and affect the surrounding cells. So it's not your small molecule drug that can be packaged in a pill and sold in the millions," said Dr. Olsen.

Where the practical applications of BMP research may eventually be seen, says Dr. Olsen, is in learning more about fundamental bone processes. That knowledge will help doctors understand how to better treat diseases of the bone. It could also lead to the development of new, less-expensive mass-market drugs that, while not made from the purified BMPs, have the ability to affect those fundamental bone processes. These types of advances



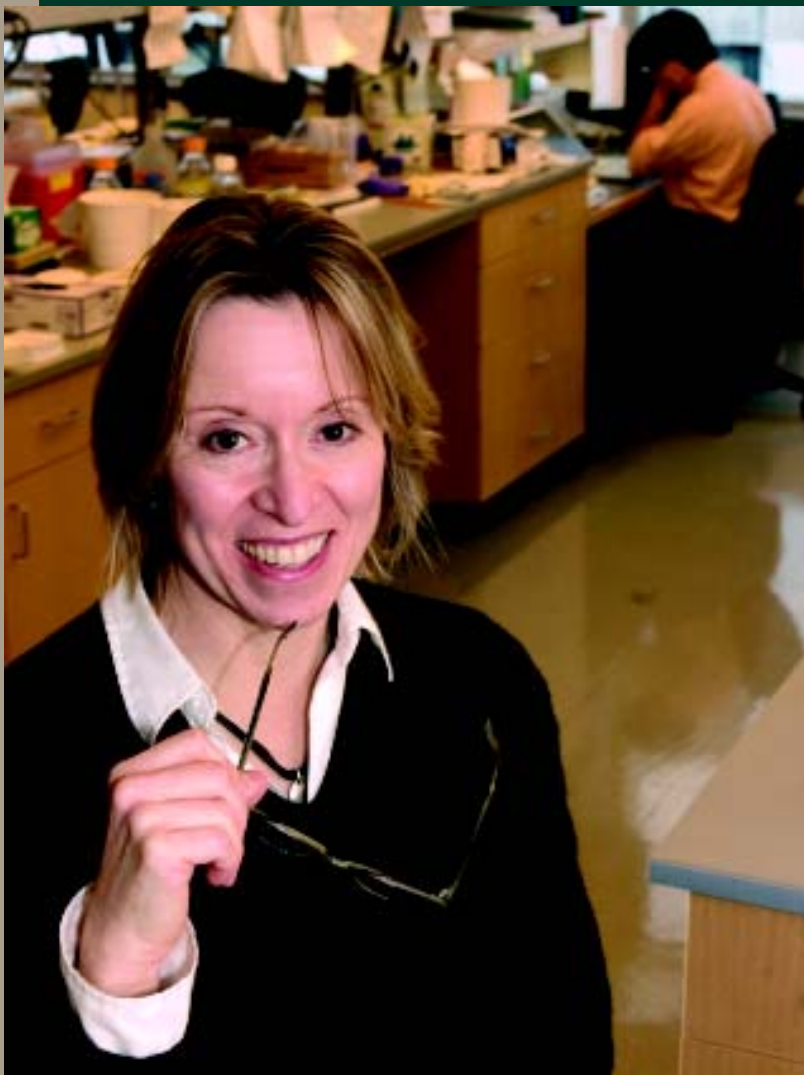
(Left and center) Normal mouse limbs. (Right) Mouse limb developed without BMPs, which shows no development of bone or cartilage.

Dr. Vicki Rosen

would impact the treatment of bone conditions like osteoporosis and osteoarthritis and would improve almost every area of dentistry, including orthodontics, periodontics, general dentistry, maxillofacial surgery, and, in particular, craniofacial biology. "In the past ten or so years there's been a ballooning of interest in craniofacial biology," said Bruce Donoff, D.M.D., M.D., dean of HSDM and Walter C. Guralnick Distinguished Professor of Oral and Maxillofacial Surgery. Understanding how and why bone generates would contribute to the long-range goal of inducing new bone growth to repair damaged or lost craniofacial tissues, which could be relevant to maxillofacial surgery, orthodontics, and craniofacial orthopedics.

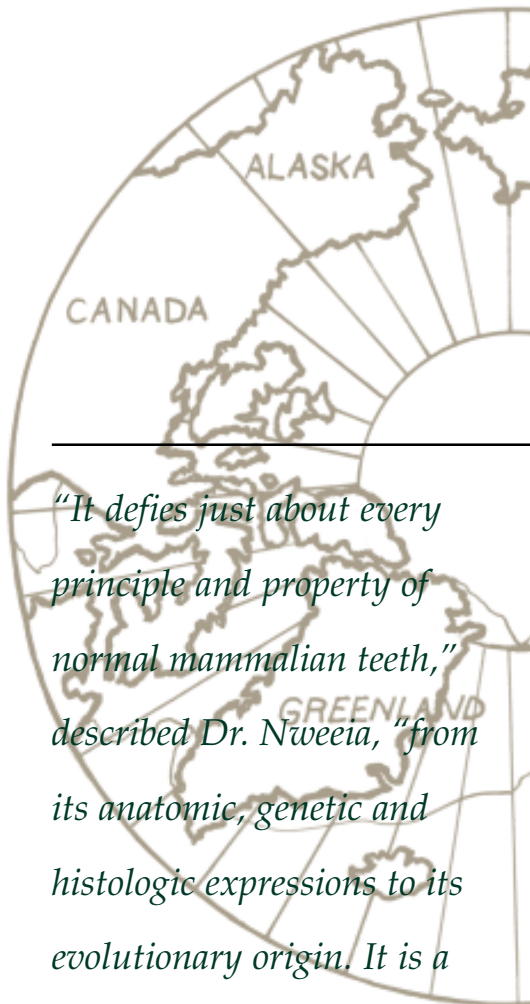
As Dr. Rosen settles into her new post as the chair of the department of developmental biology (the first female chair at HSDM), she looks forward to the challenging task of seamlessly integrating the work of both basic scientists and clinicians within the department. "We're working hard to create an environment where basic science is informed by clinical problems and where clinicians rely on basic science to solve their problems," said Dr. Rosen.

As for her research on BMPs, the path to discovery lies wide open. "There are things we know now that we didn't know six months ago, and things we'll know six months from now that we don't know now," said Dr. Rosen. "But for the most part these are big questions and we work on pieces at a time."



"We're working hard to create an environment where basic science is informed by clinical problems and where clinicians rely on basic science to solve their problems," said Dr. Rosen.

HYDRODYNAMIC SENSOR



"It defies just about every principle and property of normal mammalian teeth," described Dr. Nweeia, "from its anatomic, genetic and histologic expressions to its evolutionary origin. It is a puzzle worth every moment of solving."

Many scientists have tried to solve the mystery of the legendary narwhal tusk. Now it appears that Dr. Martin Nweeia, D.D.S., Instructor in the Department of Restorative Dentistry and Biomaterials Sciences is close to an answer. Funded by the National Geographic Society, the Smithsonian Institution, Sunstar Butler and HSDM among others, Dr. Nweeia has been on a five year quest to uncover the secrets of the tusk function. "It defies just about every principle and property of normal mammalian teeth," described Nweeia, "from its anatomic, genetic and histologic expressions to its evolutionary origin, it is a puzzle worth every moment of solving." Dr. Nweeia feels that because of the tooth's unique characteristics, it will likely provide significant insights into the capabilities of other teeth. He will present preliminary findings at the Biennial Conference on the Biology of Marine Mammals with collaborators from the Paffenbarger Research Center, NIST. "I've been fortunate to have Dr. Frederick Eichmiller, Dr. Naomi Eidelman, and Anthony Giuseppetti from NIST at the helm of some great analytic work on the tusk's hard tissue," stated Dr. Nweeia. Dr. Eidelman presented a paper, authored by the NIST team and Nweeia, at the recent IADR meeting on mechanical and chemical properties of the male tusk. Nweeia hypothesizes that the tusk is a hydrodynamic sensor with capabilities of detecting detecting changes in pressure, temperature, osmotic gradients and motion or tactile sensation.

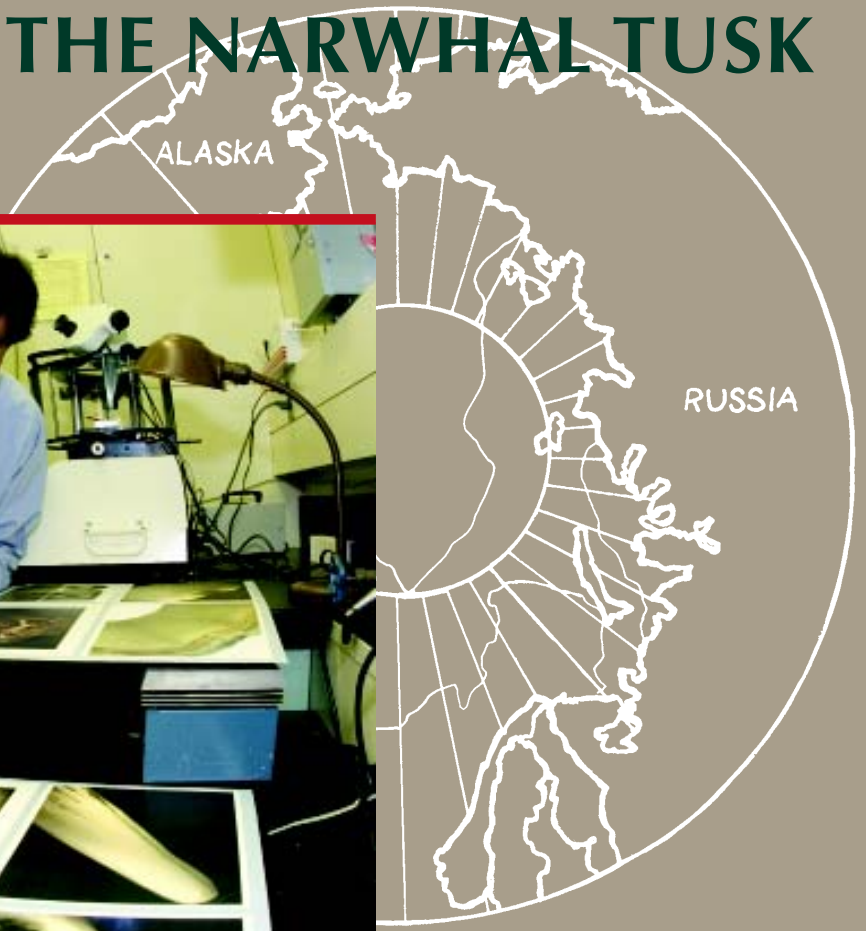
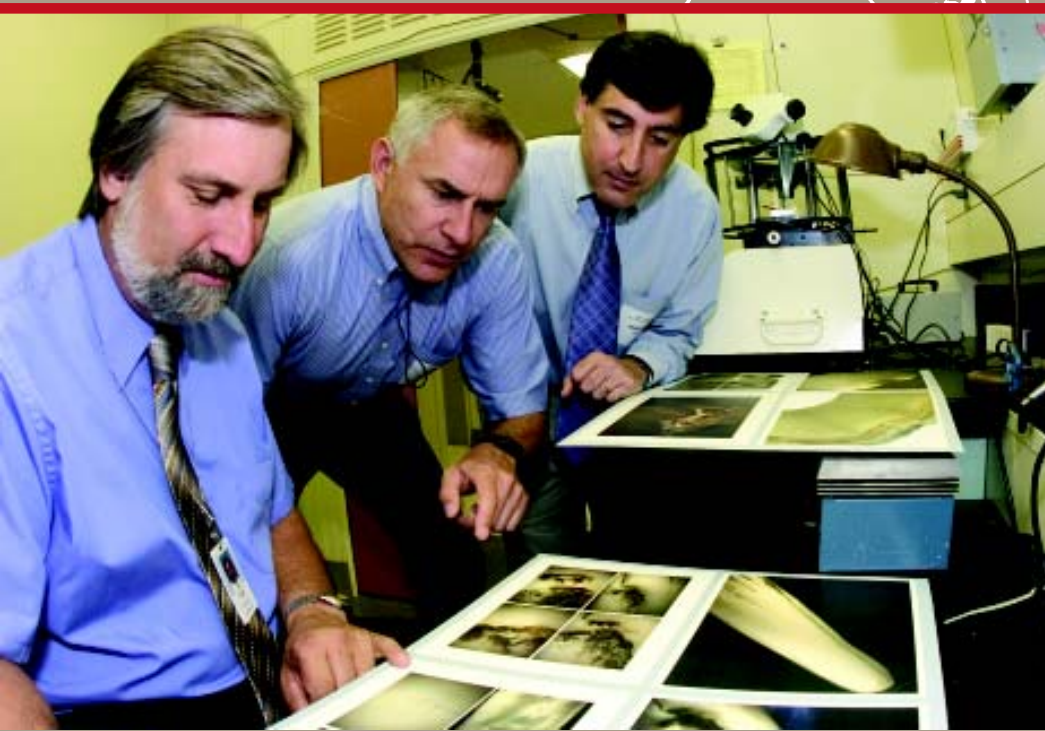
This past August, Dr. Nweeia again ventured to the northern tip of Baffin Island donning a dry suit in 36 degree water to test some of his theories. With assistance of collaborators he has worked with for two years and under the guidance of Jack Orr and Dr. Pierre Richard of Fisheries and Oceans Canada, Nweeia gained access to work on living narwhal. Dr. Nweeia is quick to comment on the excellent field collaboration he received from Jack Orr, Moe Keenainak, James Orr, and Sandi Black the past two years. This past year, Nweeia drew the talents of research collaborators to test the introduction of solutions with varying salinity and the associated brain activity. Clear PVC gaskets were designed with the assistance of Dr. Peter Hauschka at Children's Hospital and HSDM, setting up a system of dispensing bags and quick connect tubing. The gaskets provided a sealed and controlled environment for introducing the solutions. An electroencephalogram, provided by Grass Telefactor, using both surface electrodes embedded in suction cups and subdermal platinum wire electrodes, made with the assistance of Dr. Eichmiller, were used to monitor brain activity associated with the response from the solutions. Floating waterproof laboratories were made to house the equipment as Dr. Nweeia was waist deep in Arctic waters during the testing.

The unique study is part of the International Polar Year in 2007 (www.ipy.org) and the International Arctic Social Sciences Association meeting to be held in 2007. Dr. Nweeia has been documenting Inuit Traditional Knowledge for five years and will present the results of this work with an Inuit elder in Nuuk, Greenland during 2007. Nweeia's work was recently covered in the National Geographic Documentary, *Masters of the Arctic Ice* and in the joint PBS and National Geographic *Wild Chronicles* series airing February 21st." For additional information on line, visit www.narwhal.org.



(Left) Monodon monceros, the narwhal.

CAPABILITIES OF THE NARWHAL TUSK



(Above) Dr. Frederick Eichmiller, Director of the Paffenbarger Research Center, ADAF, NIST, Greg Marshall, Executive Producer, National Geographic Television and Film and Dr. Martin Nweeia, HSDM Instructor and Research Associate, Smithsonian Institution examine tusk histology during filming of the documentary to include Dr. Nweeia's work.

(Right) Preliminary CT scan analysis at Woods Hole Oceanographic Institution at the Laboratory of Dr. Darlene Ketten.



Two Alumnis' Mission: REPAIRING SMILES, ONE AT A

Imagine being in the midst of performing a surgery and having the operating room lights go out. Or the hospital loses its water supply. Then at the end of a long day of back-to-back surgeries you have to sleep on the floor. These are some of the real-life situations doctors like Steven Roser, D.M.D., M.D. '68, professor of surgery in the division of oral and maxillofacial surgery at Emory University, and Shahid Aziz, D.M.D., M.D. '96, assistant professor of oral and maxillofacial surgery at the University of Medicine and Dentistry of New Jersey (UMDNJ), have faced during the volunteer cleft lip and palate missions they each run annually in South America.

One in 700 children are born each year with an unfused upper lip and/or palate, known as cleft lip and palate. The resulting social and functional problems—disfigurement, speech development interference, and difficulty eating—can be devastating for both child and family. Surgery to repair these problems on children as young as three months is routine in the United States and other developed countries. However, in undeveloped nations many families can't afford the treatment, and physicians are compensated so poorly they can't afford to perform the procedure pro bono, explains Dr. Aziz.

That's where cleft lip and palate missions like the ones Drs. Roser and Aziz, run under the sponsorship of the nonprofit group Healing the Children, come in. The goal: For each team of doctors, nurses, and anesthesiologists to repair as many clefts as possible during the course of their weeklong missions each year. Dr. Roser, whose interest in mission work began in 1987 when he was recruited by Dr. Walter Guralnick '41, to travel to China to train Chinese doctors, now heads up cleft teams of up to forty volunteers. Those teams typically execute about seventy repairs over the course of a week. Dr. Aziz, whose first cleft mission was as a resident under the tutelage of Dr. Roser at Columbia University School of Dental & Oral Surgery in 2000, now runs his own, smaller teams of ten to twelve volunteers. Generally, Dr. Aziz's teams complete up to forty surgeries a mission.

The rewards of their work are many, say both doctors. It provides an opportunity to assist the patients most in need, to work with a team of like-minded doctors and nurses, and to face logistical and medical challenges they wouldn't encounter in the United States. It's also a chance for them to practice medicine at a purer level. "People say thank you," said Dr. Roser. "It's really quite nice." Dr. Aziz agrees: "When you repair a lip and you bring the baby out of surgery to recovery and give them to the parents, you see the combination of relief and pure happiness that the cleft has been repaired on the child. That's probably the most memorable thing," said Dr. Aziz.



Dr. Steven Roser holding a young patient during one of many cleft lip and palate missions.

TIME



Dr. Steven Roser (second from right) in the operating room during a cleft lip and palate mission.



Dr. Shahid Aziz holding one of his young patients.



(Left to right) Jia-Yuh Chen, M.D. Ph.D., President, Chung Shan Medical University (CSMU), HSDM Dean Bruce Donoff, Ju-Chuan Chou, Chairman, Board of Trustees CSMU, and Ming-Yiung Chou, D.D.S., Ph.D., D.M.S.C. Dean, College of Oral Medicine, CSMU.

Chung Shan Medical University and HSDM Celebrate a Ten Year Relationship

HSDM Dean Bruce Donoff could hardly believe his eyes when he revisited Chung Shan Medical University in Taiwan last June for the first time in 10 years.

"Ten years ago it was just one building," said Donoff, who went to Taiwan for a ceremony celebrating the tenth anniversary of the school's affiliation with Harvard. "Today, they have a medical school, a dental school and a 600-bed hospital. They've come so far," said Dr. Donoff.

Chung Shan Medical University, which opened in 1960 as Chung Shan Junior Dental College, has since grown to include schools of medicine, nursing, technology, nutrition, public health, rehabilitation and life science.

Since 1995, it has enjoyed a sister school relationship with Harvard Medical School and the Harvard School of Dental Medicine, including student and faculty exchange programs and the funding of an associate professorship at HSDM. The school even has a lecture hall named Harvard Hall.

At meetings during the June celebration, officials from both schools agreed to extend the affiliation agreement to include the exchange of researchers.

Donoff spoke on the importance of university status for dental schools during a special lecture at the June 21, 2005 ceremony. "Dentistry should be based as a learned profession," he said, lamenting the fact that several American universities have closed their dental schools in recent years in cost-saving measures. At HSDM, for example, students take two years of medical school courses, he noted.

"It is very, very impressive. It was incredible to see. It is gratifying to see that they've done so much in so short a time," said Dr. Donoff.

FIVE-YEAR CURRICULUM: EXPANDING STUDENT PERSPECTIVES

After two years of studies at Harvard School of Dental Medicine, Seenu Susarla took a year off—to enroll in a Master's in public health program at the Harvard School of Public Health and a fellowship in oral and maxillofacial surgery at Massachusetts General Hospital.

Susarla is one of many students taking advantage of the five-year curriculum offered at HSDM. In essence, the five-year program allows students an extra year to finish their four-year D.M.D. program. Between their second and third years, students may enroll in a degree program at another institution, such as the Harvard School of Public Health, or simply take the year to pursue an independent course of study, community service or a research project at the National Institutes of Health, for example.

The year over, Susarla is now back at HSDM, where he will finish his D.M.D. degree in two more years. When he is done, he will have his D.M.D., an M.P.H. degree and begin training in oral and maxillofacial surgery.

According to Howard Howell, Dean for Dental Education, the five-year curriculum at HSDM is growing in popularity among students. "It really is geared to the student's future career and research interests." Dr. Howell, who devised the program, said the year off is spent in an area which broadens the student's outlook and definition of dental medicine, "There are a variety of programs that enhance the breadth of what dental medicine is all about," he said.

The five-year program at HSDM is a formal program that students must apply for and be accepted to. According to Dr. Nadeem Karimbux, Assistant Dean for Dental Education, other schools may let students take a year



(Above) Seenu Susarla '07. (Right) Assistant Dean for Dental Education, Dr. Nadeem Karimbux and (left) Seenu Susarla '07.



off, but usually not in such a formal manner. "We want them to take advantage of everything education has to offer," said Dr. Karimbux. Dr. Karimbux is in charge of the five-year programs, noted, "One of the things the dean tells incoming students is that our goal is to allow them to leave the school through a broader funnel than when they came in. Most people think of dental schools as narrowing the student's perspective. We see ourselves as the opposite. We see our students broadening their perspectives before they leave," said Dr. Karimbux.

Some students take a year's leave of absence from HSDM, while others remain enrolled, pay tuition and then attend their fifth year tuition-free. Dr. Karimbux noted that the five-year concept is not new for HSDM as the school had a five-year D.M.D. curriculum until 1994.

"It was a different kind of challenge," said Susarla of his year-long break from his studies at HSDM. "It was very inspiring to be with my public health classmates, many of whom were already practicing dentistry or medicine and who had done a number of amazing things, clinically and

"Most people think of dental schools as narrowing the student's perspective. We see ourselves as the opposite. We see our students broadening their perspectives before they leave."

academically."

Dental curriculums generally offer a narrow perspective in that the students come out of a liberal arts curriculum and are then training to be general dentists, said Dr. Karimbux. The perspective at HSDM is different in that 80 percent of students are going on to become specialists, not general dentists.

Susarla intends to become an oral and maxillofacial surgeon, but wanted the M.P.H. degree to better understand the science of study design and analysis. "My focus will be on clinical research and evidence-based practice," said Susarla.

LEADERSHIP FORUM 2005



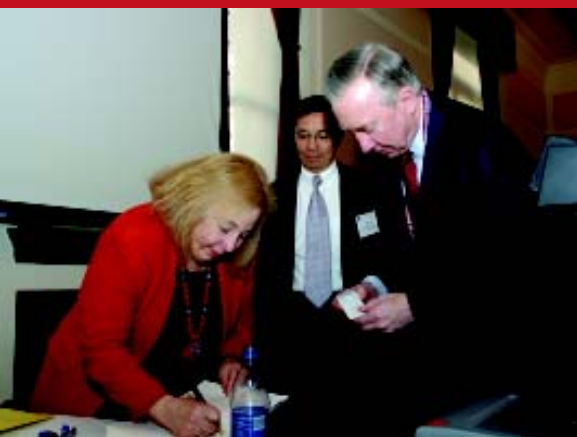
(Above) Mr. Thomas Chappell (left), Founder and CEO of Tom's of Maine talks with Dr. Seung-han Lee, President & CEO of Samsung Tesco and Mr. J. J. Park (right) of Samsung Tesco.



HARVARD SCHOOL OF
DENTAL MEDICINE



Mr. Jim Kilts (left), CEO of Gillette talks with Mr. Bruce Cleverly, President and CEO, Gillette Oral Care - Global Business Management.



(Left) Keynote speaker Professor Rosabeth Moss Kanter (left) signs copies of her book *Confidence: How Winning Streaks and Losing Streaks Begin and End* after her presentation.

The Harvard School of Dental Medicine hosted its third *Leadership Forum* on March 29 and 30, 2005. The *Leadership Forum* is an annual gathering of chief executives of companies in the dental industry to participate in an educational conference and networking environment at Harvard. HSDM partners with the Harvard Business School (HBS) to bring together the best that both institutions offer.

The 2005 *Leadership Forum* featured Professor Rosabeth Moss-Kanter of the Harvard Business School and author of the highly acclaimed business bestseller *Confidence: How Winning Streaks and Losing Streaks Begin and End*. Professor Kanter's book was brought to life by some of the extraordinary leaders it profiled, including Jim Kilts, CEO of Gillette and Jonathan Kraft, Vice Chairman of the New England Patriots, who were both featured speakers.



Mr. Jonathan Kraft, Vice Chairman of the New England Patriots addressed dental industry CEOs on the first day of the HSDM Leadership Forum.

ANNUAL REPORT ON GIVING



Dear Alumni and Friends of HSDM:

I would like to personally thank every donor listed here in our Annual Report. Each year, Harvard School of Dental Medicine alumni and friends demonstrate remarkable loyalty and generosity to our School. Your support allows us to carry out our mission of "producing leaders who advance knowledge and discovery, serve the community through patient care and advocacy, and contribute to improved oral health and the quality of life." Donor support also continues traditions of excellence at the Harvard School of Dental Medicine.

Gifts to the 2004-2005 Annual Fund immediately supported HSDM operations in the last academic year. The Annual Fund has a direct impact on the students, faculty, and clinicians here at HSDM, and is a sign of our School's fiscal strength. Thank you to each and every Annual Fund donor!

Gifts to our New Building Fund are tremendously helpful. For the first time, we are spending an entire year in our new Research and Education Building. Our state-of-the-art facilities provide an unsurpassed environment for achieving important goals. While we enjoy this expansion of our walls, we need help funding our transformation. There are a variety of ways to give to the Campaign, and a wide range of naming opportunities in our new building. Please consider joining this important effort!

We are proud to honor friends and alumni by giving level in each Harvard Dental Bulletin. As always, donors in the Nathan Cooley Keep Society or above are invited to our fall Recognition Dinner. Now, donors who have given a total of \$10,000 or more are listed on our donor wall in the new Research and Education Building. Each year we refresh the wall to include new donors, and move past donors to higher giving levels.

Thank you again for your continued support, and for being a valued member of the HSDM family.

Sincerely,

Bruce Donoff, D.M.D., M.D.
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Dr. Barton H. Tayer
Mr. Victor A. Tomasso
Mr. J. C. Torre
Ms. Lucille G. Traister
Mr. James J. Weinstein
Mr. Norman P. Weinstock
Dr. Leo Whitworth, Jr.
Dr. Jack Wittenberg
Dr. Conan Young
Dr. Hai-Yan Zhou
Ms. Doris D. Zimmer



The conferring of degrees was performed at the Harvard University graduation exercises on June 9, 2005.

Atul Gawande, Harvard Medical School (HMS) graduate and assistant professor of surgery at Brigham and Women's Hospital, HSPH assistant professor in health policy and management, and an author with a growing reputation was the keynote speaker. Gawande encouraged the graduating students to share their thoughts with patients and peers and to "keep the conversation going."

HMS graduates Greg Feldman and Jared Kesselheim, and Thomas Johnson from HSDM were the student speakers. Milton Davenport III, also from HSDM, served as the moderator.

Thomas Johnson, representing HSDM, remembered being asked, "Why Harvard?" when he was interviewed as an applicant. More than anything else, the interviewer explained, the significance of his experience would come from "the students sitting on your left and the students sitting on your right." He said that his fellow students had provided a great amount of his inspiration and education and urged them to fulfill the potential they'd displayed in school by "going beyond individual achievement to push the limits of what is possible."

Later that evening, the HSDM Graduation Banquet was held at the Copley Marriott Hotel, where awards were given. D.M.D. recipients of awards were: Thomas Michael Johnson, Harvard Dental Alumni Association Gold Medal for all-around scholastic excellence; Rachel Leigh Forbes, Harvard Dental Alumni Association Silver Medal for all-around scholastic excellence and the Dr. Roy O. Greep Award for excellence in basic sciences; Doreen Faye Toskos, Harvard Odontological Society Award for excellence in research; Matthew Benjamin Phillips, the Dr. Norman B. Nesbett Medal to the senior who has shown excellence in the field of clinical dentistry; Robert Ryan Taylor, Dr. Paul Boyle Award for excellence in the field of oral pathology; Joanna Tsai-Hua Ku, Dr. Grace Milliken Award to the student who has submitted the outstanding thesis; Mariusz Kajetan Wrzosek, Dr. Leo Talkov Award for excellence in clinical dentistry.

Advanced graduate awards were given to Easwar Natarajan, the James H. Shaw Award to a student whose outstanding research is seen to greatly advance our knowledge in a particular discipline; David Minjoon Kim, Joseph L. Henry Award, honors a post-doctoral fellow who has demonstrated extraordinary accomplishments in both the clinical and research components of the program; and Dr. D. Walter Cohen, the Paul Goldhaber Award to honor outstanding national and international contributions to dental education and the dental profession.

Dr. Catherine Hayes, HSDM associate professor of oral health policy and epidemiology, received the Distinguished Senior Faculty Award. Dr. Shigemi Nagai, HSDM instructor in restorative dentistry and biomaterials sciences, received the Distinguished Junior Faculty Award.



Graduates (left to right) Joanne Ku and Tina Gupta.

(First Row, left to right) Postdoctoral graduate, Dania Tamimi, Doreen Toskos, Brian Wells, Anuba Sacheti, Eric Katzman, Vanessa Yu, Theodoros Kapos, Rob Taylor. (Second Row, left to right): Thomas Johnson, Rachel Forbes, Rishita Jaju, Joanna Ku, Anne Hertzberg, Joy Rivera, Jmi Bassett, Mindy Greenblatt. (Third Row, left to right) Matt Phillips, Karindeep Chima, Mariusz Wrzosek, Tina Gupta, Andrea Carbone, Mersiha Avdic, Noelle Williams, Michael Wu, Milton Davenport. (Top Row, left to right) Michael Wilkinson, Jason Shoe, John Bibko, Alexander Alcaraz, Will Schlicher, Vlad Shuster, Brad Williams, Scott Bauer.



COMMENCEMENT 2005



(Above) graduation speaker, Thomas Johnson



Before the ceremony (left to right) Mersiha Avdic, Andrea Carbone, Mindy Greenblatt, Tina Gupta, Anne Hertzberg, Rishita Saraiya, and Karindeep Chima wait together in anticipation.



HSDM Class of 2005 • NEW ALUMNI SPOTLIGHT

THEODOROS KAPOS

From: Athens, Greece

HSDM Degree awarded/ Specialty: D.M.D. (Class of 2005) / Resident, Advanced Graduate Prosthodontics (2005 – present)

Honors, awards, certificates: New England Hellenic Medical and Dental Society Scholarship / Award, The “Waterpick Prosthodontic Award” for Excellence in Prosthodontics, “Outstanding Research Presentation Award” at the 7th annual research symposium of The New England Hellenic Medical and Dental Society.

Future goals and interests:

I envision myself combining clinical work in a private practice with a research and teaching position in an academic institution. As a future teacher, I see myself educating students in the practice of dentistry and patients in the art of disease prevention. I anticipate teaching future dental students to be the most rewarding time in my life.

How do you think your HSDM training will affect your future?

Early on in my training I realized that I was not going to be just a dentist, but instead a student for life— striving to pursue knowledge through research and clinical exploration while I continue to practice dentistry. I feel that the training I received here was not that of just a “clinician” but that of a “scientist”. The philosophy of HSDM changed my way of thinking and greatly affected the way that I see myself practicing dentistry in the future.

What did you most enjoy about your time at HSDM?

I enjoyed meeting new friends from all over the world. I will never forget the countless nights spent in the infamous Maloney Lab with my classmates practicing for our NERB. Looking back, all cramped in the basement, stressed out with chunks of temporary materials flying, we thought we would never survive! Also, learning from and working with some of the best faculty in dentistry. And above all ... the “wonderful” winters that only Boston can offer!

WELCOME CLASS OF 2009



Class of 2009

New Student Perspective

Gayatri Gunda

From: Originally India, my family is now in California

Undergraduate Education: University of Dayton, mathematics and chemical engineering

Awards: Sigma Xi Award for Excellence in Research, Pi Mu Epsilon Award for Excellence in Mathematics

Why did you choose HSDM? HSDM had a different approach to dentistry than other schools and I like the focus on research.

Interests: Cooking, especially international cuisine, traveling. I went to Europe for a month over the summer, and taught math to underprivileged high school students for six weeks during the summer too.



(Above) Students of the Class of 2009 gather at the new student orientation on August 30, 2005.



Class of 2009

Harvard School of Dental Medicine class of 2009.

(Bottom row) Janet Hwang, Stephanie Rashewsky, Kirsi Hakkinen, Sogole Moin, Carrie Tsai, Gayatri Gunda.

(Second row) Somi Kim, Maiko Sakai, Natacha Touchette, Vaia Galimanas, Rosalyn Sulyanto, Sooyoung Kim, Carrigan Pick.

(Third row) Garrett Fong, Dyani Jones, Cara Riley, J'Nelle Leslie, Rachel Garaas, Shahrzad Khorashadi, Ty Loveless, Bryan Limmer.

(Fourth row) Christian Solem, Imanoel Golshirazian, Chris Bragdon, Josh Kristiansen, Carrie Baldwin, Adam Botrill, Evan Rubenstein, Alex Kimon.

(Top row) Oscar Peguero, Hesam Hekmatjou, John Wessel, Zach Abramson, Justin Cooper, Rich Raymond, Joel Berley

Shanti Spends Additional Year at NIH



Rabie Shanti '07 at the NIH.

When Rabie Shanti '07 was accepted to the prestigious National Institutes of Health (NIH) Research Scholars Program in 2004, he expected to spend a year away from HSDM, now he is wrapping up his second year at the NIH. "I received an NIH Predoctoral Intramural Research Training Award and decided to spend an additional research year to further elucidate the potential of scaffolding material in skeletal muscle tissue engineering using both human bone marrow-derived mesenchymal stem cells and human skeletal muscle myoblasts," said Shanti.

Shanti arrived at the NIH in search of a laboratory that integrated principles of molecular biology and engineering to fabricate tissues for clinical applications. "I was fortunate to obtain an independent research project in the laboratory of Dr. Rocky Tuan, Chief of the Cartilage Biology and Orthopaedics Branch of the National Institute of Arthritis and Musculoskeletal and Skin Diseases, investigating the potential of a novel three-dimensional nanofibrous scaffold in skeletal muscle tissue engineering," said Shanti. Shanti has also worked closely with Dr. Wan-Ju Li, Ph.D., a postdoctoral fellow in Dr. Tuan's lab, on utilizing a process called electrospinning to fabricate scaffolds with nano-scale fibers and on the methodologies for evaluating the biocompatibility of a scaffolding material *in vitro*.

Shanti plans to return to HSDM in 2006 to begin his third year. "I look forward to integrating the knowledge I've acquired at the NIH with cutting edge clinical training in dentistry. I hope to pursue a career as a clinician-scientist, integrating my clinical and research passions to affect positive change in the delivery of patient care," said Shanti.

ODERA'S INTEREST IN REGENERATIVE SCIENCE FUELS NIH RESEARCH



Sampeter L. Odera '08 and Dr. Junji Mineshiba DDS, PhD discuss data in the lab of Dr. Pamela G. Robey at the NIH.

Sampeter L. Odera '08 is spending a research-intensive year at the National Institute of Health as an awardee for the 2005-06 Howard Hughes Research Scholar Fellowship. The Research Scholars program provides about 45 medical and dental students with strong research intentions with an opportunity to conduct basic, translational and applied biomedical research. Given his keen interest in regenerative science, Odera chose to work in a laboratory under the stewardship of Dr. Pamela Robey Ph.D.

Dr. Robey's lab is located in the National Institute of Dental and Craniofacial Research under the division of Craniofacial and Skeletal Disease branch. Her laboratory focuses on, but is not limited to, the recent advances in bone cell biology and factorology in developing clinical applications for an increased understanding and therapeutic treatment of brittle bone diseases. "Her position as Chief of the Craniofacial and Skeletal Disease branch has provided me access to an unrivaled network of scientists on which I rely for my daily training while at the NIH," said Odera.

"My commitment thus far has involved a variety of applications in regard to the postnatal stem cell," said Odera. Most of his lab time has involved the design of a mouse model investigating the factors that may be required for the event of bisphosphonate induced osteonecrosis of the jaw. "I have been a fortunate beneficiary of the mentorship of laboratory mates with unmatched expertise pertaining to stem cell applications that I will be utilizing to test my research hypothesis," said Odera.

Odera is considering a career in academics, preferably in a dental field with a strong basic science foundation. "I would also like to encourage any students at HSDM with similar research interests to look into the Research Scholars program as an option," said Odera.

PROJECT BRIDGE AWARD AT ADA



Students and faculty at HSDM were again honored for their work with Project Bridge. The program, led by Caroline Laurent '06, Elizabeth Chanenson '06, and faculty advisor Dr. Jarshen Lin, received the 2005 ADA Community Preventive Dentistry first place award. These three recipients will also be honored in the banquet at the 2006 Yankee Dental Congress.

Established in 1999 as a collaborative project between HSDM and Bridge Over Troubled Waters, Inc., Project Bridge provides free dental care to runaway teens and homeless youth in Boston. Faculty volunteers, postdoctoral residents, and predoctoral students have provided a variety of preventative and restorative procedures for more than 400 teenage patients each year.

Over the past three years, students and faculty participating in Project Bridge have also won First Place in the Predoctoral Student Merit Award for Outstanding Achievement in Preventive and Community Dentistry from the American Association of Public Health Dentistry, an Excellence in Dental Education and Service Award from the American Dental Education Association, and a second place finish for the U.S. Department of Health and Human Services Secretary's Award.

The 2005-2006 leaders of Project Bridge (left to right) HSDM students Caroline Laurent '06, Elizabeth Chanenson '06 and faculty advisor Dr. Jarshen Lin.

DENTAL LESSONS

One postdoctoral student is trying to wipe out cavities among city kids a classroom at a time.



The children of Everett, Mass., have brighter smiles, thanks to the tireless work of postdoctoral student Dr. Frances Kim, D.D.S., M.P.H. Dr. Kim began a joint oral-epidemiology program at Harvard School of Dental Medicine and Harvard School of Public Health in 2002. That same year, she started working at what was then called Everett Dental Services, a one-chair dental clinic funded by the City of Everett that provided free dental care to local kids. Since then, Dr. Kim has been instrumental in starting an in-school dental screening and preventive care program for Everett public and parochial students, as well as expanding the clinic's capacity. In 2004, she received the Dean's Community Service Award for her efforts.

Dr. Kim says she saw this as an opportunity to continue her clinical work and get hands-on experience in the field of dental public health at the local level. "Here was a clinic that needed a dentist, and I said, okay, I'll work," she explained. "And then I saw we could start doing other things to help with this city. We could start doing some education and screening and get involved with any sort of health activities they might run," said Dr. Kim. With the support of city officials and teachers, she now visits a school a month where she teaches kids about oral health and performs dental exams. She then encourages families to come for follow-up visits at the clinic, which under Dr. Kim's direction is now licensed and partnered with Cambridge Health Alliance, a Cambridge, MA-based healthcare system that incorporates public health, clinical care, academics, and research.

"My goal is to make sure kids understand what's going on and that if there are problems, we can take care of them," explained Dr. Kim. "And I want to teach them how to take care of themselves, so they don't have to get cavities or have a tooth pulled. I hope I make it fun. I know I have fun with them," said Dr. Kim.

Dr. Frances Kim (above left) created a free dental clinic in Everett City Hall, Everett, MA, shown at left.



A MESSAGE FROM THE HDAA PRESIDENT



Dear Fellow Alumni,

Without a doubt, the highlight of 2005 was the celebration and dedication of the HSDM Research and Education Building on June 10. HSDM alumni, faculty, staff, and Board of Fellows joined Harvard, HMS, and local community leaders in celebrating the opening of this state-of-the-art facility that will bring clinical practice, clinical research, and basic biomedical research closer than they've ever been before. Those of you following the latest National Institutes of Health initiatives know that this newest building on Longwood Avenue positions HSDM well to respond to the multidisciplinary, interdisciplinary research programs of the future.

As a profession, we must move more quickly from the discovery phase to improved patient outcomes, and the Research and Education Building will foster such development. To that end, and as part of the HSDM graduation and building dedication week, the Harvard Dental Alumni Association organized a program for Alumni Day on June 11, "*HSDM's Impact on Innovations in Technology Transfer*." While the talks varied from growth factors to ceramics to tissue engineering, all demonstrated the uniqueness and value of HSDM as a place to train, a place to teach, and a place to conduct research.

To continue the HSDM legacy of excellence in education, practice, and research, I hope that all of you have generously given or pledged to the General Building Campaign to pay for the construction and general operations of the new building. It's critical that the Building be properly funded, not only for the future of HSDM, but also for the future of the dental profession. Information on supporting HSDM can be found at www.hsdm.harvard.edu or by contacting the Office of Development and Alumni Relations at 617-432-1534. Please be as generous as you can!

Most Sincerely,

A handwritten signature in black ink, appearing to read "Christopher H. Fox".

Christopher H. Fox, '87, '91, D.M.D., D.M.Sc.
President, Harvard Dental Alumni Association

**SAVE THE DATES:
ALUMNI DAYS
JUNE 9 AND 10, 2006**

NEW RESEARCH & EDUCATION BUILDING DEDICATED



Alumni, faculty, and friends of the Harvard School of Dental Medicine gathered to dedicate the new Research and Education Building at a ceremony on June 10, 2005. Dean Joseph Martin of the Harvard Medical School, Mr. Gerard Moufflet, Chairman of the HSDM Dean's Board of Fellows, and Dean Bruce Donoff addressed the audience. Guests were guided on tours through the 53,000-square-foot building and were also the first to see the new recognition wall, honoring financial supporters of the school.

The Research and Education Building is HSDM's first new permanent building since the original brick edifice was constructed in 1909. In his comments to the crowd, Dean Donoff said the building would foster "interdisciplinary and multidisciplinary learning and discovery and gets us ever closer to creating an academic dental center where education, research and patient care occur simultaneously and inform and improve one another."



(Top) Chairman of the Dean's Board of Fellows, Mr. Gerard Moufflet (left) and Dean Bruce Donoff (left) look on as Harvard Medical School Dean Joseph Martin addresses the crowd during the dedication ceremonies.

(Above left) Members of the Gold Anniversary Class, 1955, Dr. Ward R. Stoops and Dr. Aina M. Auskaps, one of HSDM's first female graduates, stand together before the dedication ceremony begins.

(Above right) Dr. Jennifer Smith-Williams '82 and her husband Dr. Martin Williams HMS '82 are treated to a tour of the research laboratories by Dr. Arkhat Abzhanov, Instructor in the Department of Developmental Biology.

(Right) Dr. Robert Hennessy '44, Mrs. Jeanette Hennessy, and Mrs. Floydene Sehl.



ALUMNI DAY 2005



Attendees of the 2005 Alumni Day kicked off the two-day festivities on Friday, June 10, 2005 at the dedication ceremony for the new Research and Education Building. Harvard Medical School Dean Joseph Martin, Chairman of the HSDM Board of Fellows Gerard Moufflet, and HSDM Dean Bruce Donoff addressed the crowd. After the remarks, alumni, faculty and friends were treated to refreshments, live traditional Irish music and many toured the building for the first time.

Dean Bruce Donoff greeted alumni at the HSDM Alumni Brunch on Saturday, June 11, 2005. Donoff presented the alumni awards to Dr. Ward R. Stoops, recipient of the Gold Alumni Award, Dr. George Acs, recipient of the Silver Alumni Award, and Dr. Richard Valachovic recipient of the Distinguished Alumni Award.

After the brunch alumni participated in the seminar "HSDM's Impact on Innovations in Technology Transfer," a group panel discussion moderated by Edward Seldin '68, '74. Featured panelists included Samuel Lynch '89, Chairman and CEO, BioMimetic Pharmaceuticals, Incorporated and Adjunct Professor, Vanderbilt University and SUNY Stony Brook who presented "GEM 21S: From Discovery to Commercialization, A 15-Year Saga"; Russell Giordano '87, Associate Professor and Director of Biomaterials, Boston University, Goldman School of Dental Medicine, Department of Restorative Sciences and Biomaterials who presented "Development of Interpenetrating Phase Ceramics for Dental Materials"; Pamela C. Yelick, The Forsyth Institute and HSDM Department of Developmental Biology who presented "Progress in Whole Tooth Tissue Engineering"; and Bruce Donoff '67, '73, Dean and Walter C. Guralnick Distinguished Professor of Oral and Maxillofacial Surgery, HSDM, who presented "Disruptive Education."



Bruce Donoff with Gold Alumni Award recipient Dr. Ward Stoops '55.



(Top left) Dr. Sam Lynch '89, Chairman and CEO of BioMimetic Pharmaceuticals, Inc. and Adjunct Professor at Vanderbilt and SUNY Stony Brook was a featured alumni panelist.

(Left) Dean Bruce Donoff with Distinguished Alumni Award recipient Dr. Richard Valachovic '82.



Silver Alumni Award recipient Dr. George Acs '80 celebrates during the ceremony.



Dr. Rene Casavantes '75 during the Alumni Day seminar.

Class Notes

UPDATES and ANNOUNCEMENTS

Class of 1961

LAURENCE I. BARSH retired from clinical practice in 1998 and is now living in New York City where he is developing web sites for dental practices, writing books and lecturing on the Web and sleep medicine. "Arline and I moved to New York after a 3½ year West Palm Beach residence because of 9/11, the fact that both our kids work in television in the city and because we couldn't find our son for about 5 hours on 9/11 (he's fine). We now have four grandchildren and are thoroughly enjoying 'retirement.' We recently visited the new school and were blown away by what we saw. Our congratulations to Dean Donoff for what he has accomplished."



Class of 1971

THOMAS INDRESANO The American Association of Oral and Maxillofacial Surgeons (AAOMS) honored Dr. A. Thomas Indresano, professor and chair of the department of oral and maxillofacial surgery at University of the Pacific, Arthur A. Dugoni School of Dentistry, with its Donald B. Osborn Outstanding Educator Award during its 87th annual meeting held in Boston, Massachusetts, on September 21, 2005. The award is given annually to a single educator in the U.S. who exemplifies the highest standards in education and patient care as well as cultivates research in oral and maxillofacial surgery. He is also a diplomate of the American Board of Oral and Maxillofacial Surgery, a member of the Pierre Fauchard Academy and a fellow of the AAOMS and both American and International Colleges of Dentists.

Class of 1984, 1986, 1990

GARY LOGIN

"I have been chairing a committee since 1999 on Microwave Technology in the Pathology Laboratory for the Clinical and Laboratory Standards Institute (CLSI). The CLSI is a globally recognized, voluntary consensus standards-developing organization that enhances the value of medical testing within the health care community by its develop-

ment and dissemination of standards, guidelines, and best practices.

My committee recently received notice from the CLSI board of directors that our guideline was accepted, published, and distributed to CLSI delegates in hospitals in 27 countries. My contributions to this international guideline on microwave technology are a direct outgrowth of the basic research I conducted as a student at the HSDM."



Class of 1993

GLENN WOLFINGER

was one of three doctors who gave a special lecture to members of the American Dental Association (ADA) in October 2005 in Philadelphia. The topic, "Teeth In An Hour" encompassed dental medicine's quickest and least invasive protocol for treatment with dental implants. Wolfinger's team is among the first in the Metropolitan Philadelphia area to clinically offer high tech virtual surgery, which allows all but the final delivery of a new smile to take place outside the patient's mouth. A blend of CAD/CAM technology and robotic engineering produces aesthetically customized fully functional teeth, minus incisionless and sutureless.



Class of 1996

SHAHID AZIZ

"I wanted to share this photo of Mohammed Erakat '05 and Susan Lee '00 who are oral/maxillofacial surgery residents at the University of Medicine and Dentistry of New Jersey (UMDNJ), where I am Assistant Professor, Assistant Program Director of the OMS residency program, and Director of the UMDNJ Center for the Correction of Dentofacial Deformities. Mohammed is a first year resident and Susan is the chief resident. The three of us just completed an orthognathic surgical procedure in the operating room at UMDNJ-University

Hospital. In other news, my son Aydin turned one this year. I also became a Fellow in the American College of Surgeons, which is a real honor as there are only 60 oral surgeons in the U.S. with this distinction. Eric Swanson '91, and Mark Glyman (HMS'89) did OMS at MGH were inducted with me in October. Jon Bailey '94 was inducted a year ago."

Class of 1996

THEODORA DANCIU received a NIH K22 grant entitled, The Role of FoxC1 in BMP-Mediated Msx2 Induction. Dr. Danciu is currently a Postdoctoral Fellow in the Whitman Lab at HSDM. Preliminary data for this project was obtained under the guidance of her primary mentor Dr. Malcolm Whitman, and her D.M.Sc. thesis advisor, Dr. Peter Hauschka (Children's Hospital Boston and HSDM). The co-mentor on the project was Dr. Bjorn Olsen.



Class of 2003

MICHAEL MAGTOTO

The University of the Pacific, Arthur A. Dugoni School of Dentistry named Dr. Michael Magtoto, as director of its Union City Dental Care Center. Prior to going to Pacific, Magtoto taught at University of Detroit Mercy in the Department of Prosthodontics and HSDM. Magtoto received his D.M.D. from University of the East in the Philippines, D.D.S. from the University of Detroit Mercy and M.M.Sc. in oral biology and clinical residency certificate in prosthodontics from HSDM. He is a member of the American College of Prosthodontics, American Dental Association, American Dental Education Association and Academy of Osseointegration.

HARVARD SOCIETY FOR THE ADVANCEMENT OF ORTHODONTICS

On October 20-22, the first Coenraad F.A. Moorrees Symposium on Growth and Development was held in honor and memory of Dr. Moorrees, who headed the orthodontic department at Forsyth and Harvard for 40 years.

Orthodontic alumni and dentists from around the world attended the symposium, which acknowledged the great influence Dr. Morrees had on the field of orthodontics and human craniofacial development.

Participants learned the latest information in growth and development during the symposium held at HSDM and the Forsyth Institute.

AWARDS AND HONORS

AVIAD TAMSE '73 received the "Honorable Award" of the Israel Dental Association for lifetime contribution to dental education and research in Israel, on November 17, 2004. The award is given annually to a leader in the dental profession in Israel and is the Association's most prestigious award.

Dr. Tamse graduated from the HSDM General Residency and Endodontic program, and after graduation, he joined the Department of Endodontology at the Goldschleger School of Dental Medicine, Tel Aviv University. He now serves as Professor and Chair of the Department of Endodontology, chairs the Curriculum Committee of the Dental School and is also editor of the school newsletter. Dr. Tamse served twice as the President of the Israel Endodontic Society and is now a member of the Scientific Council of the Israel Dental Association.

In 1982 Dr. Tamse was a co-founder of the European Society of Endodontology (ESE) and now serves on its committee for standardization of endodontic graduate programs in Europe.

HERBERT HAU '77 was recently recognized for 25 years of teaching at the Restorative Department of the Tufts School of Dental Medicine. In 2005, Dr. Hau was appointed consultant to NERB and will be doing licensing examination at the Northeast Regional Board, which includes 15 northeastern states.

HOWARD HOWELL '76, JOSEPH FIORELLINI '90, and Dr. Myron Nevins published their manuscript entitled Randomized Study Evaluating Recombinant Human Bone Morphogenetic Protein-2 for Extraction Socket Augmentation in the April, 2005 edition of the Journal of Periodontology. This paper received the 2005 Tarrson Research Award in Plastic Surgery from the American Academy of Periodontology.



Dr. Tamse in his laboratory at the Tel Aviv University School of Dental Medicine.



KRISTIN JABBS '03 and **JUDY DIFONSO MCINTYRE '03** presented their research at Table Clinics at the 2005 AAE Annual Session in Dallas, TX. Of the one 148 presenters who participated in the scientific presentation competition, Dr. Jabbs (right) won 1st place and Dr. McIntyre (center) won 3rd place in the competition, for their projects "Decoronation" and "Autotransplantation," respectively. They are pictured above with Dr. Jarshen Lin (left).

DAVID KIM '05, instructor in Oral Medicine, Infection & Immunity at HSDM received the Balint Orban Memorial Prize for his project, Genetic Expression Profiles in Refractory Periodontitis Patients at the annual meeting of the American Academy of Periodontology.

SHEPHARD GOLDSTEIN, HSDM lecturer on Restorative Dentistry and Biomaterials Sciences, was elected vice president of the American Association of Endodontists during its 2005 Annual Session, held April 6-9, in Dallas, TX. Dr. Goldstein has been actively involved in the AAE for years, serving on the Board of Directors from 2002-2005 and as a member of the Journal of Endodontics Editorial Board from 1987-1991.



Dr. Joel Dunsky and Dr. Al Krakow.

Dr. JOEL DUNSKY and **Dr. AL KRAKOW** received the Lifetime Achievement Award from the Harvard Predoctoral Endodontic Study Club at its annual Graduation Banquet on May 23rd, 2005. The award honored their years of service to Harvard and to endodontics over the past three decades. Drs. Jarshen Lin, Shepard Goldstein, Catherine Hayes, Larry Rubin and Steve Levine spoke on behalf of the many students who have been taught by and inspired by Dr. Dunsky and Dr. Krakow over the years.



Ryan Dunlop '06, Dr. Amit Sachdeo '06, and Dr. Robert Wright, HSDM, Director of Advanced Graduate Prosthodontics.

AMIT SACHDEO '06 and **RYAN DUNLOP '06** were awarded first prize in table clinic presentations in both the predoctoral and postdoctoral categories at the American College of Prosthodontists Annual Session in Los Angeles, California. Postdoctoral D.M.Sc. student Dr. Amit Sachdeo '06, won for his project, Biofilm Formation in the Edentulous, which revealed that oral health for denture patients is as critical as that for patients with natural teeth due to the nature of biofilms found on removable complete dentures. Predoctoral D.M.D. student Ryan Dunlop '06, won for his project Current Application Trends for Advanced Education Programs in Prosthodontics. Associate Professor Dr. Robert Wright was a co-presenter with Dr. Sachdeo and served as a mentor, along with Dr. Chester Douglass, for Mr. Dunlop. Dr. Wright and Ryan Dunlop surveyed educators throughout the United States and found very interesting trends in prosthodontic education.

IN MEMORIAM

CLASS NOTES , continued



Dr. J. Morita (left) and John Lee Lindgren '07.

JOHN LEE LINDGREN '07 was awarded First Prize for the Morita Award in Geriatric Oral Research at the 2005 International Association for Dental Research Annual Meeting in Baltimore, Maryland. The Geriatric Oral Research Group (GORG) offers awards promote research by junior investigators into aspects of oral health that are the focus on the basic mechanisms of aging, the prevalence and characteristics of diseases in the aged, and the prevention and treatment of those diseases.



CLASS OF '28
Walter F. Weiter, D.M.D.
Class of '28, of Groveland died September 13, 2005 at The Stratford at Beyer Park in Modesto, California. He was 98 years old. Dr. Weiter was a native of Jersey City, N.J. He was a graduate of Harvard Dental School class of 1928, and was a member of the American Dental Association and the Harvard Dental Alumni Association. He is survived by his wife Sarah of 74 years, his daughter, Beverly Linaberry and her husband Jack of Groveland; and three grandchildren and five great-grandchildren.

CLASS OF '40
Albert Doty Spicer, M.D., D.M.D., died September 13, 2005 in Mystic, Connecticut at age 93. He was the husband of Marion Billings Spicer and the late Jane Caughey Spicer.

He received his B.A. degree in 1933 from Amherst College.

He graduated with an M.D. in 1937 from the Yale University School of Medicine. After interning at Pawtucket Memorial Hospital, he entered the Harvard School of Dental Medicine, where he received a D.M.D. degree in 1940.

He served on the Rhode Island Board of Dental Examiners from 1960 to 1963 and received the honorary degree of Fellow of the American College of Dentists in 1961. Dr. Spicer was a world traveler who visited all seven continents and 58 different countries. He was an enthusiastic amateur movie-maker and took one of the few existing movies of the 1938 hurricane on the Rhode Island shore. Dr. Spicer wrote his diary continuously for over 80 years. Drawing extensively from these diaries, he and his daughter published a local history book in 2002 called *Momentous Events in Westerly, Rhode Island, as recalled by Dr. Spicer*.



Albert Doty Spicer, M.D., D.M.D.

Dr. Albert D. Spicer is survived by Marion, his wife of 32 years, daughter and son-in-law Judith and John Knutson of Boston, Massachusetts, daughter-in-law Susan O. Spicer of Dover, Vermont, three grandchildren, and four great-granddaughters.

CLASS OF '41
Terry F. Lapeza, D.M.D., died March 28, 2005, in Worcester, MA. His wife, the former Elizabeth Park, predeceased him in 2003. Born in 1914, Dr. Lapeza grew up in Nashua, NH and attended the University of New Hampshire,



Terry F. Lapeza, D.M.D. earning a degree in electrical engineering. Subsequently he decided on a career path in dentistry. After graduating from the Harvard School of Dental Medicine, Dr. Lapeza served in the US Navy dental corps during WWII and established his practice in Needham, MA. Dr. Lapeza was a member of the Massachusetts Dental Society and was elected to life membership in the American Dental Association.

He leaves five children, seven grandchildren (one of whom is practicing dentistry in the US Navy), two great grandchildren, and several nieces and nephews.



CLASS OF '41
Lyndon M. "Bindy" Virkler, D.M.D., Class of '41, died at his home in Virginia Beach Virginia on January 4, 2006. He was 90 years old and was born May 23, 1915. He received a B.A. degree from Cornell University in 1937, his D.M.D. from Harvard Dental School in 1941 and attended Columbia University School of Physicians and Dental Surgeons (Orthodontics '48). Dr. Virkler served in the Naval Dental Corps during World War II as Dental Officer on the U.S.S. Brooklyn. He partici-

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pated in campaigns in North Africa and Sicily and later served in London, England after the war.

On October 21, 1944, he married Regina Mae Lamb, a former Navy nurse from Groton, Connecticut. Together they raised four children. Dr. Virkler had a successful orthodontic practice in Wellesley, MA. His son Steven Virkler and his wife Regina Virkler predeceased him.

In November 1990, he married Virginia Means in Virginia Beach, Virginia. With his wife Virginia, he enjoyed an active retirement: until recently walking daily, attending concerts and plays, traveling and spending time with their extended families.

Dr. Virkler is survived by his wife Virginia Means Virkler and her family: daughters Toni Thompkins, Valerie Rao and her husband Lawrence, Mary Young and husband Greg, and sons Steven Means, and Bill Means and his wife Linda. He is also survived by his daughters Carol Virkler of Chandler, AZ, and Lillian Rosen of Tempe, AZ, and son Lyndon and his wife Joanne of Waitsfield, VT. His grandchildren include Aaron and Benjamin Rosen, Emily and Gretchen Virkler and Virginia's grandchildren: Lisa Embrey, Amy Whealdon, Chris Graham, Meredith Kellard, Danny Means, Jackie and Paige Young, and Shelby and Will Means.

CLASS OF '42

Dr. Bernard R. Marcus

died on January 15, 2005. Dr. Marcus was born on April 4, 1914. He received his bachelor of science from Bates College in 1937 and his D.M.D. from Harvard Dental School in 1942. He is survived by his wife Clara June (Brownie) Roberts whom he married on August 7, 1945. Dr. Marcus enjoyed skiing, biking, and walking. He is survived by four daughters and six grandchildren.

CLASS OF '42

Charles P. Resevick, D.M.D.,

of Naples Florida and Plymouth, MA, died on December 24, 2004. He is survived by his wife of 62 years Rita A. (Buron) Resevick and children Charles J. "Chuck" Resevick of South Dartmouth, Paula A. McCormick of Plymouth & Robin B. Hoffman of Scituate, MA. He is also survived by four grandchildren and one great grandchild. Donations may be made in Dr. Resevick's name to the Harvard School of Dental Medicine, Class of 1942.

CLASS OF '44

Rufus J. Ferioli, D.M.D.

of Wellesley, MA died on June 24, 2004. Beloved husband of Elizabeth J. (Fogle) Ferioli for 61 years and devoted father of Peter J. Ferioli of San Diego, CA, Roberta E. Rosentreter and her husband Arnold of Ft. Lauderdale, FL, Eric J. Ferioli of Wellesley, MA. Brother of Agnes Locuratolo of Carmel, NY and the late Lola Chappell. Dr. Ferioli practiced in Wellesley, MA for 56 years, was a World War II Navy Veteran and former member of the Wellesley Rotary Club and the Nehoiden Golf Club.

CLASS OF '53

Dr. Joseph Albert, D.M.D.,

Class of '53, Dr. Joseph Albert of Newton Centre, MA and Boca Raton, FL died on Saturday, April 9, 2005. A Framingham, MA dermatologist for over 40 years and the beloved husband of Beverly (Tucker) Albert for 48 years. He is survived by his children Dr. Vicki Albert Chavin and her husband Dr. Jeffrey Chavin of Newton, MA and Dr. Lee S. Albert and his wife Melinda Albert of Sherborn, MA, and by his grandchildren Bradford Albert Chavin, Sherry Frances Albert, Marissa Joy Albert and Richard Philip Albert. Dear brother of the late Veta Egilman, Harry Albert, Samuel Albert and Michael Albert.

CLASS OF '54

Dr. Stanley Goldstein,

D.M.D., M.D., died Friday, June 4, 2004, at the age of 75. He is survived by his wife Sheila, and children David, Amy and Bruce, and Matthew, and grandson Brett Aaron. He was a graduate of Harvard Medical School, Harvard School of Dental Medicine and The Citadel. He was a practicing pediatric cardiologist for nearly fifty years, and later in his career, he was a Physician Executive. He held many academic appointments, including Associate Dean at State University of New York-Downstate Medical Center; Professor of Pediatrics at Northeastern Ohio Universities College of Medicine; Vice President and Medical Director of Medical Education of Interfaith Hospital in Brooklyn, NY, and Clinical Professor of Pediatrics, University of Medicine and Dentistry of New Jersey. As a researcher, he was noted for his identification of the genetic syndrome distichiasis. He authored many original articles, abstracts, and book chapters, and he was an accomplished teacher and lecturer. He also completed cantorial training, and sang with two choral groups.



CLASS OF '57

H. David Hall, M.D., D.M.D.,

died February 24, 2005. Dr. Hall, Vanderbilt University professor of Oral and Maxillofacial Surgery, emeritus, was chair of the department from 1968 until his retirement in 1996.

Dr. Hall received his undergraduate degree at the University of Oklahoma, and earned a dental degree from Harvard University in 1957. He completed his Oral Surgery residency training at the Massachusetts General Hospital and the University of Alabama Medical Center, and in 1977 earned a medical degree from the University of Alabama School of Medicine. He served as chairman of the Oral Surgery Department at the Alabama Medical Center from 1965 until 1968, when he left for Vanderbilt University.

At Vanderbilt, Dr. Hall started the University's first training program in oral and maxillofacial surgery. During his career he concentrated on two major areas of research: the growth and development of salivary glands and how the autonomic nervous system influences them; and clinical research in evaluating the success of various surgical treatments. Some of Dr. Hall's surgical accomplishments include surgery for temporomandibular joint (TMJ) dysfunction, alveolar cleft repair and complex facial asymmetry. He was named one of the nations best doctors in *Town and Country* magazine.

Dr. Hall was a founding member of the American Society of TMJ Surgeons.

Dr. Hall is survived by his wife, Katherine "Kay," sons Steven, of Ft. Myers, Fla., Andrew, of Nashville, and Brian, of Memphis, and three grandchildren.

CLASS OF '71

Francis J. (Frank) Krakowiak,

D.M.D., of Augusta, GA died June 28, 2005. A native of Buffalo, NY, retired from the U.S. Army after 34 years in the Dental Corps, Dr. Krakowiak was a professor of Pediatric Dentistry at the Medical College of Georgia. He received his post doctoral

degree from HSDM in 1971. He is survived by his wife Marianne, daughters Patricia and her husband Chris Siener, Sara Jane and her husband, Michael Lisowski; sons Joseph and his wife Ann, Andrew and his wife Edie, and twelve grandchildren.

FACULTY

Dr. Billy C. Rover,

former Clinical Instructor in Restorative Dentistry and Biomaterials Sciences, 58, of Medford, MA died September 22, 2004. Born August 18, 1946, he received his BA from Hofstra, D.M.D. from Tufts, MBA from Western New England College, MS from Central Michigan University; and was currently a second year law student. Active Army duty 1973-1976, retired as Lt. Colonel. Dr. Rover was Assistant Professor at B.U., Clinical Assistant at Harvard, member of the Harvard Honor Society and Harvard Odontological Society. He was serving as Chief of Dental Service at the V.A. at the time of his death, and was well published in various journals. Dr. Rover received many significant awards including, the Black Achievers Award. He is survived by his wife, Caryl-Rose Pofcher; son, Brett; brothers, Ross and Frank; sister Audrey Carter; and grandchildren Brittany and Justin. His sister, Rosie, predeceased him.

RECOGNITION DINNER 2005

The Harvard School of Dental Medicine honored its top donors at the Annual Donor Recognition Dinner. The dinner was held in the Rotunda Room at the Conference Center at Harvard Medical on October 27, 2005.

The Dean's Board of Fellows was honored for their campaign gift of \$1 million at a reception prior to the Recognition Dinner. The auditorium in the new Research and Education Building was named in honor of this gift and a glass plaque was unveiled in the foyer of the auditorium. Mr. Gerard Moufflet, Chairman of the Dean's Board of Fellows, spoke on behalf of the members of the board.



Dr. Steve Hilzenrath '67, Mrs. Sue Hilzenrath, Dr. Robert Donahue '62, Ms. Sherri Culter.

Later in the evening, Dean Bruce Donoff thanked the Society's members for their support. Donors who give a gift of \$1,000 or more become members of the Nathan Cooley Keep Society, named in honor of the School's first dean.



Dr. William Weston '44, Mrs. Marjorie Weston, Mrs. Maggie Casion, Dr. Paul Cashion '68, Mr. Christian Brutzer, member of the Dean's Board of Fellows.



Dr. Cedric Harring '62 and Dr. Linda Niessen '77.

BOARD OF FELLOWS RECOGNITION RECEPTION



(Left) Mrs. Ruth Donahue, Mrs. Brigitte Moufflet, Mrs. Madeline Donoff.



Chairman of the Dean's Board of Fellows, Mr. Gerard Moufflet (right) and Dean Bruce Donoff.



Dr. Robert Leaf '69, member of the Dean's Board of Fellows (left) and Dean Bruce Donoff during the Board of Fellows recognition reception.

DONOR RECOGNITION



Dr. Donald Giddon '59 (left) with HSDM Dean Bruce Donoff (center) and Harvard Medical School Dean Joseph Martin (right) at Dr. Giddon's recognition ceremony on December 6, 2005. Dr. Giddon gave a leadership gift to name the Professor Donald B. Giddon Behavioral Science Research Conference Room and Area on the fifth floor of the Research and Education Building in recognition of the role HSDM and Harvard University played in furthering his international contributions to the health and behavioral sciences.

(Below) The Harvard School of Dental Medicine donor recognition wall was unveiled at the Research and Education Building dedication ceremony on June 8, 2005. The donor recognition wall lists all HSDM who have given a lifetime total of \$10,000 or more to the School. The donor wall, which will be updated annually, lists donors by giving level.



HSDM GIVING SOCIETIES

Dean's Society	\$25,000 and up
Chairman's Society	\$10,000 to \$24,999
James Dunning Society	\$7,000 to \$9,999
David Weisberger Society	\$5,000 to \$7,499
G. Earl Thompson Society	\$2,500 to \$4,999
1867 Society	\$1,867 to \$2,499
Nathan Cooley Keep Society	\$1,000 to \$1,866



(Above) Marc Glyman HMS '89 (left) and Eric Swanson '91 (right) at their recognition ceremony on September 23, 2005. Drs. Glyman and Swanson gave a leadership gift to name the first floor mezzanine of the Research and Education building.

*Background:
The Board of Fellows Auditorium.*

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The Harvard Dental Bulletin is published once a year for the alumni and friends of the Harvard School of Dental Medicine. We look forward to hearing your feedback and good news. Please send correspondence to Angela Alberti, Director of Alumni Relations and Communications, Harvard School of Dental Medicine, 188 Longwood Avenue, Suite 105, Boston, Massachusetts 02115, angela_alberti@hsdm.harvard.edu.

Office of Development and Alumni Relations,
617-432-1534.

SUCCESS FOR CLASS AGENTS

The Class of 1972 led the way for the Harvard School of Dental Medicine in 2005 as the first to organize a class-specific campaign to support the Research and Education Building, which yielded \$48,500 in pledges. Dr. Howard Needleman '72 (below left) and Dr. Jack Silversin '72 (below right) deserve accolades for these remarkable results.

Dr. Needleman, a pediatric dentist at Children's Hospital in Boston, volunteered to be a Class Agent and offered to spearhead a mini-campaign among his classmates. "I have always wanted to give back to the HSDM to show my gratitude for what the School did for me," said Dr. Needleman. He recruited Dr. Jack Silversin '72 to co-champion this effort. "Over the past few years I've gotten very excited about the vision for the School's future and I totally support where the School is heading," said Dr. Silversin.

Having pledged their volunteer efforts, the two made pledges to support the Campaign financially. They sent a letter asking classmates to join in supporting the effort to support the School's new Research and Education Building, critical student scholarships and faculty endowments. "All of us have achieved success in our profession, much of which we can attribute to our four years at HSDM...the School has not asked much of us over the years given what it has contributed to our successes, our careers, and our lives," said Drs. Needleman and Silversin in their letter.

The Class of 1972 will be honored in the new Research and Education Building this year in a number of places: they have chosen to name a work room and kitchen, an imaging cubicle, and an auditorium chair.



CLASS AGENTS LIST

Class Agents play a very important role for HSDM: they keep a close connection alive between their HSDM classmates and also with the School. Volunteering generously of themselves and their time, Class Agents encourage their entire class to make a Campaign gift together and to attend HSDM alumni events. If you are interested in participating in the Class Agent program on behalf of your class, please call 617-432-2924 for more information. Thanks to all our dedicated HSDM Class Agents!

John Manhold '44
Philip Sehl '44
George Wyshak '56
Alexander Halperin '56
George Gordon '66
Stuart Balaban '67
Arthur Elias '67
Steve Colchamiro '70
Mel Krohn '70
Howard Needleman '72
Jack Silversin '72
Mercedes Franklin '74
Victor Badner '81
Henry Herrmann '81
Jennifer Smith-Williams '82
Wayne Colin '85
Reed Day '85
Paul Styrk '85
Chris Fox '87
Ellen Libert '87
Shahid Aziz '96
Joe Marchena '96
Vlad Shuster '05
Doreen Toskos '05

Ortho Volunteers

Carla Evans '75
James Hartsfield '86
Vincente Hernandez-Soler '83
Rene Casavantes '75, '76

Endo Volunteers

Michael Scianamblo '77
Joseph Schulz '74
Edwin Mehlman, former faculty
Joel Dunsky, former faculty
Shep Goldstein, faculty
Lawrence Rubin '75
Jarshen Lin, faculty
Ali Nasseh '97

DONOR SPOTLIGHT



Dr. Reed Day and Ms. Cheri Brady

Reed Day, D.M.D., M.D. HSDM Class of '85

Why did you choose HSDM?

As an undergraduate, I lived in the Seattle area and was volunteering at a dental clinic in Seattle. The attending dentist was Dr. Jeff Dodson, who was an HSDM graduate, and I was impressed with his skills. I got to know him while I was volunteering as part of a co-op in college and I found out that he went to Harvard. I asked him about the size of the school and back then it was around 20 students in each class. It seemed incredibly competitive so I asked him "How the heck did you get in?" Dr. Dodson said, "Reed, if you don't apply, you'll never get in," and he strongly encouraged me to apply. I began attending HSDM in 1980.

What did you do after dental school?

After dental school, I was accepted to the oral surgery program. I did my first year internship at Massachusetts General Hospital in oral surgery. I returned back to Harvard Medical School and got my MD and completed my oral surgery residency at Mass General. After that, I moved to Phoenix where I'm in private practice.

Why do you give back to HSDM?

I have a great amount of respect for the Harvard School of Dental Medicine. It has provided me with the wonderful career and the lifestyle that I presently enjoy. So once I was financially capable of giving back, I began to do so.

I think every graduate of HSDM benefits from being labeled as a Harvard graduate. I can't tell you the number of patients that I see every day that notice my degrees on my office wall. As a patient, I think I would be very confident and pleased to go to a Harvard graduate for periodontal care or orthodontic care, or whatever specialty my classmates have been involved in. I would choose them over a dentist who was trained somewhere else.

You also serve as a Class Agent for the class of 1985. Why is this important to you?

I also serve as a class agent because I want to help the school in any way I can. To me that means not only helping to raise money for the School, but also encouraging fellow alumni to get involved as volunteers and to participate in activities like Alumni Day. For my 20th reunion I had the wonderful opportunity to see many of my old classmates and I would like to see a lot more of my classmates at the 25th reunion.

Is there anything else you'd like to say to your classmates?

I know that my classmates have all benefited a tremendous amount in their professional lives, both personally and financially, as a direct result of being a Harvard dentist. I can't tell you what a blessing it's been for me to be a graduate of the school.

It's clearly benefited me and I assume has similarly benefited them and enhanced their careers. So it's time now to give back.

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