

# Mdental

BALTIMORE COLLEGE OF DENTAL SURGERY, UNIVERSITY OF MARYLAND  
The Research and Alumni Magazine of the World's First Dental School

Fall 2006



We Moved!  
...Into the 21<sup>st</sup> Century

## DEAN'S MESSAGE



## WE MOVED!

I am proud of our faculty, staff and students, altogether 1,400 people, who pulled together during a time of great transition, exhibiting a “get-it-done” spirit, relocating academic programs, clinics, research laboratories, and administrative functions.

Moving is never easy. Moving 1,400 people into a new home that has little resemblance with the old quarters is a one-of-a-kind undertaking. Emotions were running high—good and bad. All our lives have changed; for most of us, it has little resemblance with what it used to be.

On October 24, 2006, we celebrated our Grand Opening. Each and everyone has felt that it is a grand new beginning for dentistry and the Baltimore College of Dental Surgery, the first dental school in the world, founded 166 years ago. Our new quarters are not a replacement home—they offer lots of light and better workspaces for all. As with any move of this magnitude, not everyone’s expectations are met. However, we are committed to addressing concerns, one-by-one.

The greatness of an institution comes to light in times of remarkable stress. Today, I am convinced that the occupants of 650 W. Baltimore have what it takes, raising the bar on all fronts of the operation. There is a shared sense of pride for an immense job extremely well done by each and everyone.

While our first home on Hopkins Plaza was the origin of formal dental education for the world, 650 W. Baltimore represents the birthplace of 21st Century dentistry in academia. There is not a single piece of hardware that is not part of the future of dentistry. In this issue of *Mdental*, we highlight coworkers, students, faculty, alumni and friends for the difference they make for our community, the proud occupants of 650 W. Baltimore. We feature the stories of Michael Belenky, Patti Zimmer, Werner Seibel, Abraham Schneider, Bernie Cywinski, Kate McManus, Angela Fowler-Young, Maurice Lussier, Harry Dressel, Lindsay Bare, and Emily Smythe and her friends. As a community, we thank them for adding value to our lives and making our institution shine.

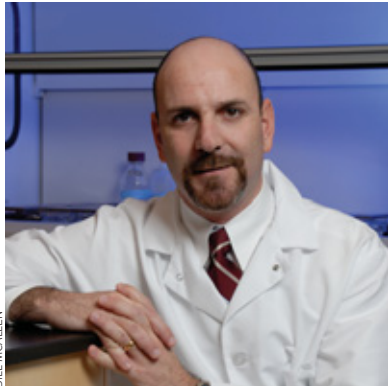
This is one of the proudest moments in the rich history of the Baltimore College of Dental Surgery. I would like to thank each and everyone for making this magnificent dream come true.

A handwritten signature in black ink, appearing to read "Stohler". The signature is fluid and cursive, with a large initial "S" and a long, sweeping underline.

Christian Stohler  
Dean

# Mdental

Fall 2006



BILL MCALLEN

**12**  
ORAL CANCER  
RESEARCH



BILL MCALLEN

**14**  
THE NEW  
21ST CENTURY  
DENTAL SCHOOL

# CONTENTS

SCHOOL NEWS	2
FACULTY PROFILE	10
RESEARCH	12
ALUMNI NEWS	26
DEVELOPMENT	33
STUDENT NEWS	38

managing editor

Regina Lavette Davis

graphic design

Valerie Sheckler Graphic Design

*Mdental* is published three times a year for alumni, friends, faculty, staff, students, and parents of the Baltimore College of Dental Surgery, University of Maryland Dental School. It is produced by the University's Office of External Affairs. We welcome your comments, news, and suggestions. The staff reserves the right of editorial revision on materials received. Send your comments to: *Mdental*, Communications Office, University of Maryland Dental School, 650 West Baltimore Street, Baltimore, MD 21201

## SCHOOL NEWS



MATT WARGO



R. DAVIS

# A New Home for the Dental School

In September, the new Dental School facility was completed and ready for occupancy. After years of planning and construction, members of the School have a new, comfortable environment at 650 West Baltimore Street, next door to the old school. The 375,000 sq. ft. facility boasts state-of-the-art technology throughout lecture rooms, operatories, simulation labs, and conference spaces.

Patients, faculty, and staff have responded favorably to their new surroundings. The Clinical Operations Board played a key role in assisting with many elements of relocating the clinics to the new facility. The Orthodontic Clinic was the first to begin seeing new patients at the new location, nearly two weeks before other clinics were in place.

On October 24, the building was formally dedicated in a Grand Opening ceremony as part of the University's Founders Week activities. For complete details and photos from the event, see page 16.



ELE HENRY

MATT WARGO

WARD MASSEY



MATT WARGO

## New Administrators Named

The academic year began with more than a new building. Dean Christian S. Stohler named three new deans and added more directors to the administration.

Ward L. Massey, PhD, a professor in the Department of Endodontics, Prosthodontics, and Operative Dentistry, is now the associate dean of academic affairs. David L. George, DDS, MBA, is the assistant dean of planning and finance. Formerly the director of admissions and recruitment, Patricia E. Meehan, DDS, is now the assistant dean of that department.

New directors include Kenny Hooper, DDS, MS, continuing education; Kate McManus, facilities; and Gary Hack, DDS, simulation labs.

A complete list of the Dental School administration is on the inside back cover.



David L. George



Ward L. Massey



Patricia E. Meehan



Gary Hack



Kenny Hooper



Kate McManus

PHOTOS BY MARK TESKE AND TOM JEMSKI

## New College Park Clinic Opens

October was a month of celebrations, as the Dental School's new satellite clinic in College Park officially opened. Carol F. Anderson, DDS, MS, is the director of the facility.

Located on the ground floor of the health center, the clinic is a state-of-the-art facility with digital X-rays, tooth-whitening system, and advanced operatories designed to serve the entire College Park student population. The clinic will be run by faculty and residents, and pre-dental students will have opportunities to participate in volunteer dentistry programs on the campus.

According to Douglas M. Barnes, DDS, MS, the clinic is "an excellent opportunity for the University of Maryland Dental School and the University of Maryland, College Park. Not many undergraduate campuses have a full-service dental practice associated with them."



Carol F. Anderson

## New Faculty

The Dental School is pleased to welcome the following new faculty members:

**Priya Chand, MSD**, Assistant Professor, Endodontics, Prosthodontics, and Operative Dentistry

**Arasu Chellaiah, PhD**, Associate Professor, Biomedical Sciences

**Lili Leon, DDS**, Instructor, Health Promotion and Policy

**Hiroaki Misono, PhD**, Assistant Professor, Biomedical Sciences

**Patricia Mulford, MS**, Assistant Professor, Dental Hygiene

**Sang-Hoon Park, DDS**, Assistant Professor, Periodontics

**Judith Porter, DDS**, Assistant Professor, Health Promotion and Policy

**Claudio Urquiaga, DDS**, Instructor, Health Promotion and Policy

World-renowned neuroscientist, Michael S. Lidow, PhD, professor of neuroscience, neurobiology, and neuroanatomy at the University of Maryland, Baltimore, Department of Biomedical Sciences, died on August 15, 2006, at the age of 53.

Mike Lidow was an accomplished scientist with an international reputation and a researcher who has made major contributions to our understanding the role of transmitters in neuronal development, the effect of neonatal injury on the development of nociceptive systems in the brain, the effect of cocaine on neural development, and the etiology of schizophrenia. "We are all saddened by the sudden and untimely loss of Michael Lidow," said Biomedical Sciences Department Chair Ronald Dubner, PhD, DDS.

Emigrating from Moscow, Russia, in 1981 in the pursuit of science, Dr. Lidow completed his PhD in 1985 in

Another of Mike's colleagues from Yale, Clare Bergson, PhD (currently at the Medical College of Georgia), said, "Mike thought about issues from all angles. He ventured deeply into topics and his bravery at pioneering in new directions was admirable." According to Professor Amy Arnsten, also from Yale, "Mike documented the chemical architecture of the neocortex and how it is altered in mental illness. He used state-of-the art techniques to map key molecules in the brains of both animals and humans. He was particularly interested in the over-arching role of calcium dynamics in the etiology of schizophrenia." She

### "His bravery at pioneering in new directions was admirable."

Neuroscience from Northwestern University, Evanston, Ill., and two postdoctoral fellowships: one in the field of neurobiology at Northwestern University and the other in neuroanatomy at Yale University. He was appointed as Associate Research Scientist in 1988 at Yale University School of Medicine, Section of Neurobiology, and in 1990 he was promoted to assistant professor until his subsequent appointment in 1996 as an associate professor at the University of Maryland, Baltimore.

Dr. Lidow has had an exceptional record of research achievement since joining the Department of Biomedical Sciences, with 42 peer-reviewed original articles published in leading journals and 11 invited reviews and book chapters. His papers have been the subject of special editorials by three leading international journals. He has edited a book on the actions of neurotransmitter receptors in antipsychotic medications.

At Yale, according to Pasko Rakic, MD, "Mike impressed me as very open to new ideas and new technologies. Although he came [to Yale] as my postdoctoral fellow, he ended up working with three supervisors, [the late] Patricia Goldman-Rakic, Dorothy Gallagher, and me. This was an unusual arrangement, but it led in a short time to a dozen papers on quantitative localization of major neurotransmitter receptors in the primate cerebral cortex. Some of these findings were the basis of subsequent physiological and behavioral studies that led to the research program of the Yale Conte Center, of which he was a productive member until his premature death. All who worked with him in this field will miss his knowledge, enthusiasm, and friendship." Similar to Dr. Rakic's thoughts, Lynn Selemon shared that "Mike's studies on dopamine receptor localization in the frontal cortex provided a critical foundation for ensuing work in the Yale Conte Center on dopamine mechanisms in working memory function."

also said that "personally, Mike had great warmth and an affectionate stubbornness of things he cared about deeply. He had a keen sense of fairness and was loyal to his friends and his ideas."

Mike Lidow's research achievements are numerous. His research on prenatal cocaine exposure has shown that the drug produces abnormalities in cerebral neocortical cytoarchitecture which occurs only when the drug is administered during the period of cortical neurogenesis. His findings indicate the dangers of cocaine use during pregnancy. His research has also shown the importance of dopamine receptors in the effects of cocaine and the importance of these receptors in the development of cortical neurons. More recently, his use of microarray gene-profiling to screen for cocaine-induced changes has shown that apoptosis, as well as dopamine-receptor regulation, is influenced by cocaine.

Mike Lidow's research was well funded, with three major National Institutes of Health grants totaling nearly \$500,000 per year in direct costs. He was invited to participate in the Yale Center Grant on the etiology of schizophrenia and his hypothesis on calcium signaling deficits in schizophrenia was the unifying hypothesis for the present cycle of the center. He was an extensive participant in a number of diverse scientific review panels at the NIH, a grant reviewer for the National Science Foundation, an ad-hoc member of a number of NIH study sections, a member of the review panel of the March of Dimes, and a member of a grant review panel for the Ontario, Canada Mental Health Foundation. Mike was also a reviewer in a variety of peer-reviewed journals such as the *Journal of Neuroscience*, *Pain*, the *Journal of Comparative Neurology*, *Biological Psychiatry*, and *Cerebral Cortex*.

Michael Lidow is survived by his wife, Irina Lidow, RN, MS, and his mother, Frieda Lidow, MD.

## Notes of Excellence

On Sept. 20 Valli I. Meeks, DDS, MS, and 11 other Ryan White health care providers received commendation from Sen. Barbara Mikulski at the Department of Health and Mental Hygiene provider meeting.

The commendation letter stated, in part: "...colleagues within your community have provided wonderful praise and testament of your level of expertise and consistent willingness to serve clients in a holistic manner."

Gopal N. Gupta, MD, Department of Biomedical Sciences, received first prize for Essay Podium Presentation at the 64th Annual Meeting of the Mid-Atlantic Section of the American Urological Association, held in Washington, D.C., Oct. 12-15.

### School Hosts Successful Pain Conference

The Dental School held a 3-day conference on gender and pain Sept. 27-30, organized by the International Association for the Study of Pain's special interest group on Sex, Gender and Pain. Richard Traub, PhD, an associate professor in the Dental School, helped put together the event, along with Michael Gold, PhD, and Joel Greenspan, PhD, all members of the UMB Research Center for Neuroendocrine Influences on Pain and the Dental School Department of Biomedical Sciences.

The conference was sponsored by Merck Research Laboratories, Center for Neurovisceral Sciences and Women's Health, UMB Research Center for Neuroendocrine Influences on Pain, University of Maryland Dental School, American Pain Foundation, Fannie E. Rippel Foundation, University of Maryland Medical Center, Johnson & Johnson Pharmaceutical Research & Development LLC, Pricara Unit of Ortho-McNeil Inc., and the University of Maryland Women's Health Research Group.

### Periodontal and Implant Prosthesis Program

In July 2007, the Department of Periodontics will begin a 4-year program designed to provide post-doctoral students training in fixed periodontal prosthetics and advanced implant restorative dentistry. Upon successful completion of the program, students will be issued certificates in both Periodontics and Periodontal and Implant Prosthesis. Dr. Mark Reynolds, chair and director of the Advanced Dental Education Program in Periodontics, indicates that the new program will help meet an emerging and important need in the community for specialists with expertise in both periodontics and advanced restorative dentistry. The new program, says Reynolds, is a logical extension to specialty training in periodontics,



Valli Meeks (I) and Donna Devonish from the Department of Health and Mental Hygiene, who presented the commendations.

which provides advanced training in bone and periodontal regeneration, essential for maintenance of the natural dentition and reconstruction of alveolar ridge deficiencies for implant placement and prosthetic rehabilitation.

Periodontics also provides fundamental expertise in esthetic soft tissue management. The goal of the new program is to expand the educational objectives of the specialty program in periodontics to include exposure and training in advanced restorative dentistry. Dr. Sylvan Feldman, who holds specialty certificates in periodontics and prosthodontics, will direct the program.

### Dean's Faculty Update

Warren M. Morganstein DDS, MPH, director of the Enrichment Program and Dean's Faculty, reports that the number of Dean's Faculty members has now exceeded the original goal of 200. "This figure represents those individuals who volunteer on site at the Dental School. Additionally there are numerous other Dean's Faculty members who serve the School in the community as externship preceptors and in many other capacities," he says. Although most Dean's Faculty are either dentists or dental hygienists, volunteers are not limited to members of the dental profession. Additionally, the Dental School has recently initiated a Dental School Auxiliary program where family members, friends, and others can provide volunteer services to the School.

"On behalf of Dean Stohler and the Dental School family, I would like to thank the many wonderful Dean's Faculty members for their invaluable contributions to the School, dental education, and the profession. The ultimate beneficiaries of their time, efforts, and contributions are the students, who join me in offering their thanks."

Anyone interested in the Dean's Faculty or the Dental School Auxiliary may call 410.706.7146 or e-mail [wmorganstein@umaryland.edu](mailto:wmorganstein@umaryland.edu).

## SCHOOL NEWS

BILL MCALLEN



MICHAEL BELENKY

## CARRYING THE GLOBAL TORCH

Michael Belenky heads the Dental School's Global Outreach Program to foster collaboration and care

By Myra A. Thomas

In a world of diminishing borders, cross-cultural endeavors are bringing needed oral health care information to almost every part of the globe. Maintaining professional ties, advancing collaborative research internationally, and adding a global dimension to the educational process are keys to the future of dental schools that will be "world class," says Michael M. Belenky, DDS, MPh, an associate professor and director of global outreach. Today, he coordinates ties with foreign dental schools, arranging faculty and student exchanges, as well as promoting collaborative efforts in research, teaching, and continuing education through the Dental School's Global Maryland program.

Belenky is also a member of the School's Department of Health Promotion and Policy,

where he teaches principles of ergonomics for occupational health and serves as a general practice manager, supervising students as they treat patients in the undergraduate clinics. He notes, "Wearing two hats of responsibility allows me to maintain the professional credential of a dental educator as I enable students and faculty to carry the message of Maryland and contemporary dentistry around the globe."

It is the broad exchange of ideas, technology, and science, which is forging essential bonds between the Dental School and a number of institutions across the globe. He adds, "Our dental students shouldn't be limited in their perspective. They should have global opportunities for professional and cultural enrichment if they are to be leaders in meeting the 21st century oral health needs of the community of nations, at home and abroad. This is the reason we established the Global Maryland program." The Dental School has relationships with 13 dental schools in 11 countries, including Korea, Japan, Vietnam, Thailand, Australia, Canada, Mexico, Peru, India,

Poland, and Ireland. Interestingly, for more than two decades, a number of University of Maryland Dental School students have participated in an annual dental mission to rural areas of the Dominican Republic.

The Global Maryland program is just one facet of the Global Outreach initiative, allowing the Dental School students to serve two-week externships in Vietnam, India, Poland, Canada, and Australia in 2006-2007. "The emphasis here is learning about dental education, dental practice, and oral health in another country, and where possible, providing essential dental care to the underserved in public health settings," says

Faculty from many of the 13 partner institutions have also opted to come to Maryland for collaborative research endeavors. Additionally, dental students from the United Kingdom, France, Germany, Poland, Ireland, Israel, Mexico, and other nations, have visited the Dental School to fulfill overseas externship requirements. As with the Maryland students on foreign externship, their objective is to study dental education and dental practice in other lands, in preparation for their professional futures in a global community.

Belenky is the perfect person to head up such an endeavor. After retirement from the U.S. Army Dental Corps, with more than 20 years of military

**"Our dental students shouldn't be limited in their perspective. They should have global opportunities for professional and cultural enrichment if they are to be leaders in meeting the 21st century oral health needs of the community of nations, at home and abroad. This is the reason we established the Global Maryland program."**

Belenky. Each year, approximately 25 percent of the senior dental class elects to participate in a foreign dental externship. Postgraduate residents, faculty, and area practitioners often accompany the students abroad.

Belenky adds, "We've been doing this informally since 1994, but then we formalized and expanded the program. This gives the student a tremendous chance to see dentistry from a different perspective and from a different part of the world—from programs that are quite advanced in developed countries to those emerging in developing countries." These experiences also lay the groundwork for dental students who will later assume professional responsibilities in service to the global community.

These relationships also extend the other way, with the Dental School playing host to foreign faculty and students. A collegial relationship with the Faculty of Dentistry of the Medical University of Lodz, Poland, dates back to the beginning of the program in 1994. Some 25 percent of the Lodz professors have come to the Dental School to study the Maryland model of dental education and contemporary dental practice, conduct long- and short-term research, and attend postgraduate educational programs. This affiliation is buoyed by the standing sister-state relationship that the state of Maryland maintains with the state of Lodz in Poland.

service, he came to the Dental School in 1982, where he established and directed the Center for the Study of Human Performance in Dentistry, a unique facility dedicated to the investigation, teaching, and practice of human-centered ergonomics. He adds, "In the past, I traveled extensively with the Army, saw much of the world and its diverse cultures, and this expanded my horizons. In my Dental School career of 24 years, I was privileged to continue to travel the globe and apprise colleagues of advances in dentistry and dental education. I have some conversational ability in Russian, German, and Polish, given my European heritage, and this opened many vistas in the course of my professional travels."

It also seems fitting that the world's first degree-granting Dental School once again has taken a lead in dental education. Today, courtesy of the Global Maryland program, Dental School students are better prepared to share their observations and knowledge with colleagues, engage professionally within and beyond national boundaries, and contribute to the advancements in dentistry in the global arena. Says Belenky, "Taking the Dental School's proud historic image and its exciting vision for the future to many other countries is a distinct privilege, and those who have carried this message across the seas and borders will continue their journey to dentistry's future from a global perspective."

## STAFF PROFILE



PATTI ZIMMER

students and faculty, but also through the work of the PCCs.

Zimmer directs the three PCCs in their role as an intermediary between the student who provides oral health services and the patient in need of treatment. For instance, says Zimmer, "If a patient comes in for care and there is a lack of finances, we quickly work to assist in finding fee reductions for treatment. We take the time to explain the process of receiving care at the Dental School, and how long it will take to receive it."

**"The state-of-the-art technology allows for a stronger learning environment for the students and a higher level of care for the patients..."**

With a background in dental hygiene, Zimmer came to the Dental School 11 years ago. Today, she remains focused on the patients' needs, in addition to dealing with the demanding requirements of the students. "It's the responsibility of the PCCs to make sure the students aren't overwhelmed with patients," she says. "In the course of their education, we have to balance the number and types of cases we schedule for them, as they are required to have a certain number of experiences over the course of their time at the Dental School."

She adds, "The state-of-the-art technology allows for a stronger learning environment for the students and a higher level of care for the patients who walk through our doors." But, despite the innovation, a human touch is still needed to promote the "timeliness of care," she says.

That's where the patient care coordinators come in. And, it appears that the faculty and students appreciate the value that they add. She notes, "We are in such close contact with students and patients, and, so, the doctors do come to rely on us."

According to Dr. George C. Williams, executive director of the predoctoral clinics, Zimmer's years of private practice in clinical hygiene and patient education work informs her current position. "She's a self-motivated and compassionate person," he notes. "Since hiring the patient care coordinators and having Patti head

## VALUE-ADDED PATIENT CARE

Patti Zimmer leads the team of patient care coordinators who provide information and compassionate service.

By Myra A. Thomas

**W**ith the opening of the new Dental School facility, cutting-edge technologies available, including digital radiography, are a boon for students and patients alike, observes Patti Zimmer, team leader of the patient care coordinators, or PCCs. Providing quality care is a top priority in the School, and that mission is not only carried out by dental



R. DAVIS

Zimmer enjoys her close interaction with PCCs Marsha Kessler and Beverly Milching.

up the team, it has quieted the complaints that get to the Dean's office, as they put out the fires at the frontlines. We've seen tremendous improvement on the risk management side and on the student/patient compliance end of it. You could say that the patient care coordinators act as ombudsmen for the Dental School."

Dr. Harold S. Goodman, chair of the Clinical Operations Board and a professor in the Department of Health Promotion and Policy, says, "The role of the patient care coordinators are critical to the overall mission of the school—to be a part of its community and serve its patients with the quality care, respect, and dignity that they deserve." It is not only the sense of caring, but her professionalism and leadership abilities that distinguish Zimmer on the job, he says.

"Patti is a reliable, consistent, and responsible person, who is both serious in doing her job and at the same time compassionate, especially when it comes to her co-workers and patients," he notes. "Patti feels very responsi-

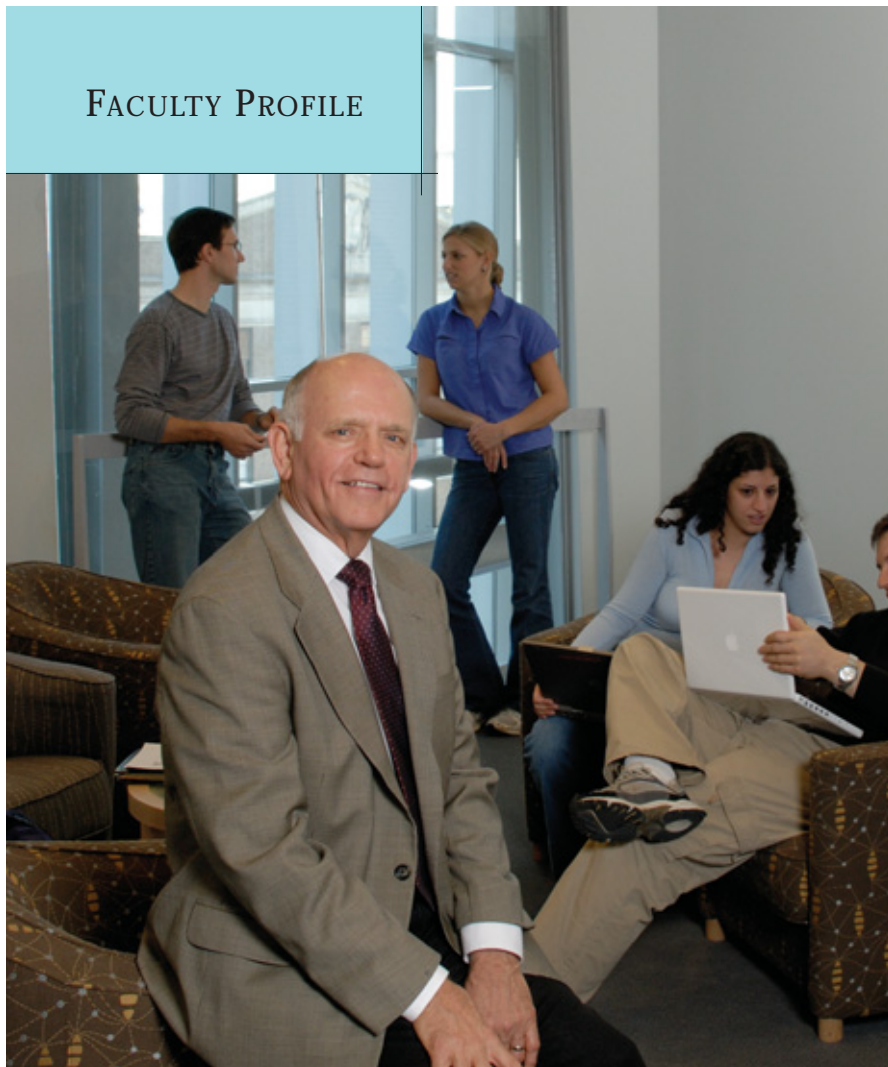
**"We are in such close contact with students and patients...the doctors do come to rely on us."**

ble for our patients and wants to do her utmost to make their time with us a valued one. This means providing them with as much information, direction, guidance, and compassion as possible, so that they can truly understand our clinical delivery system."

According to Zimmer, being able to provide this level of assistance gives her a tremendous sense of satisfaction. She notes, "It's rewarding to work with the patients in the clinical setting, to help them to understand the process or to find their way through this institution."

Working with the students and seeing their skills develop is also rewarding. "The students here become like family after they work in the clinic for two years. It's wonderful to see just how conscientious and ethical they are," says Zimmer. "I truly feel that they are well-prepared when they leave the Dental School."

## FACULTY PROFILE



BILL MCALLEN

WERNER SEIBEL

## TEACHING BY DOING

By Ned Sparrow

Honor, teaching and mentoring awards, student development, and service. These are just a few of the traits and achievements of Werner Seibel, PhD, whose 34-year academic career at BCDS ends this June. He is widely published in the oral and craniofacial biological sciences—a *curriculum vita* that spans 21 pages. But, perhaps, the most telling part of Seibel's career has been in the lab and the hallways with students, listening and offering encouragement. He prides himself on welcoming new students and guiding them on a path that may also deliver for them the rewards of service.

He's Appollonian in his work habits: up early, unflagging, punctual, and efficient. He has served on almost all of the School's academic committees and has almost always managed to hide his own efforts by praising the remarkable and

enthusiastic students he has had the privilege to teach and advise. One former student, Anthony Schwartz, DDS ('77), recalls struggling in the first weeks: Though Seibel was not his teacher, he noticed Schwartz was having difficulty. "Werner came up to me one day and put his arm around my shoulder and said, 'We've gotta talk.'"

Schwartz, who is an adjunct anatomy lecturer, adds, "There are some professors who are not only good people and good teachers, they're almost like a parent. You want them to be proud of you, and you want to work extra hard."

For Seibel, thanking others for the enthusiasm he nurtures comes naturally. For example, in 1999 the administration tapped Seibel to try to re-start the Alpha chapter of the Psi Omega Dental Fraternity, a service organization that had become dormant in the mid nineties. "I went to a few first-year students in the hope of getting about six students to initiate the chapter," Seibel says. That year, 24 members were inducted, and the BCDS chapter is now the second largest school chapter in the country. Seibel has 47 new applications on his desk, and the numbers in the fraternity average out to about 135. The chapter receives regional and national awards every year for its service programs and activities. Seibel glows with pride over the students, who have made this chapter an important part of student life at the School and provide service to the local community, from Toys for Tots campaigns to selling daffodils to benefit the American Cancer Society, to outreach programs at local elementary schools, which puts a face and first-person practitioner in front of youngsters to educate them about dental hygiene. Psi Omegas also organize social events that help the students bond, though more of the bonding occurs in helping others, in charitable campaigns or lifting a hammer together for Habitat for Humanity. Seibel is the first PhD to serve on the National Council of the Psi Omega Dental Fraternity. He credits his wife, Marianne, for providing him support in his work (the Seibels hosted 50 Psi Omegas at their home for a late summer barbeque).

Seibel has been Faculty Co-chair of the Quest for Care Charity Program since 1988. He has administered the program, tallying the yellow Quest for Care applications and helping his students to help patients; the charity has allocated more than \$220,000 for vital oral health care in 22 years. "The program fosters true concern and empathy for others," says Seibel. It also helps

students learn to present and evaluate a treatment plan.

Of the move to the new building, Seibel is unflappable: "I'm glad we're in," he says, "at least now we can recognize problems and deal with them." The anatomy professor has an infectious can-do attitude, probably stemming from consistent successes. "The hardest part of dental school for students is time management and stress management," he says, adding, "I like to keep them focused so they can make it." As if to underline the point, a student arrives at his office. Seibel has to trot off to a meeting, but he welcomes the student, Dasonj Nixon ('08), who sits down comfortably in Seibel's chair, at his desk: "He has a literal open-door policy," says Nixon. "His office is a place of refuge." Nixon says Seibel is "easy to talk to" and remembers how he would take the nervous 'first-years' in individually to help them become comfortable with the cadavers in anatomy class. Later, in another class doing board review, she notes how

**"There are some professors who are not only good people and good teachers, they're almost like a parent."**

Seibel's method is without tricks or apologies: "He goes over every single thing," says Nixon, and then the students commit it to memory.

Seibel has also taught colleagues in such challenging seminars as Special Problems-Head and Neck Anatomy for orthodontic postgraduate students, and has done interdisciplinary work for 20 years—before it was pedagogically popular—in courses such as dental implants, ethics, and the temporomandibular joint. Seibel is good at reaching the whole student, recognizing stresses and strengths. In 1993, he proposed an advisor system that he has coordinated ever since, taking on the role as class advisor for 12 of the last 13 years.

During the same year, he took over the coordination of the Dental School's Table Clinic/Poster Program and helped usher in a new class: ethics. He also has served, for the last 13 years, as a faculty group leader in the ethics class, and he has become especially adroit at raising issues of patient care, law, and character, puzzling out answers without seeming to hand any down. He seems to teach by doing, making sure the logistics are secure and not worrying about being seen at the head of the classroom.



BILL MCALLEN

With all of this experience, it is apparent that Seibel is the right man to serve as curriculum coordinator, a post he has held since 2004. Recently, he has had some real challenges in the new building, which he says is "Like opening up 324 dental offices, plus the lecture halls, and labs." The man who knows what fits where, the master of the block system, commands some respect among members of the task forces that implement curriculum change.

Naturally, he is also respected and admired by his students. His most recent recognition is from The International Association of Student Clinicians and American Dental Association Board

of Governors, who selected him for the 2005 Burton C. Borgelt/Student Clinicians-American Dental Association Faculty Advisor Award. In 2004 Seibel was honored by the graduating class with The Frank J. Sinnreich, Jr. Award for Excellence in Teaching. Those graduations are special to him because, as a true teacher, he recognizes "That's our product" walking across the stage.

His work ethic and desire to help others was, no doubt, influenced by his upbringing. Born in Krenau, Germany, at the height of World War II, Seibel and his family were among the displaced persons brought over on U.S. Navy ships in 1952. "We had barely a dollar," Seibel says of his immigration at age 8. His father was a mechanic and his mother a housecleaner. Seibel and his two brothers were fortunate to attend the City Colleges of New York because they were free for qualified students. All three earned PhDs, one also in anatomy and another in marine science. "We have students who had a harder time getting here than I did—Vietnamese, for example," he remarks.

Perhaps his parents' advice, to give 100% and treat others with respect, has born good fruit.



# SURVIVE AND CONQUER



BILL MCALLEN

Tumor cells can divide and multiply quickly, often with fatal results. Researchers like Abraham Schneider are challenged to find new pathways of mastering the oral cancer puzzle.

By Regina Lavette Davis

**A**daptation to the environment is one of humankind's greatest survival assets. Coping mechanisms that kick in when our bodies sense stress or danger can prove life-saving. Researchers studying oral cancer know that in some instances, the ability to adapt can, however, work against us.

Abraham Schneider, DDS, PhD, an assistant professor in the Department of Diagnostic Sciences and Pathology, is investigating head and neck cancer at the National Institutes of Health (NIH). His current focus, at the National Institute of Dental and Craniofacial Research-Oral Pharyngeal Cancer Branch, is concerned with understanding the molecular mechanisms related to this form of cancer.

Head and neck cancer, says Schneider, continues to be a major public health issue. As the sixth most common cause of cancer in the country, head and neck cancer (which includes oral cancer), continues to have a poor 5-year survival rate. Getting to the basis of the disease is paramount to researchers like Schneider.

"Research efforts are ongoing to understand the molecular mechanisms that are involved in this type of cancer. Our interest is currently centered in understanding at the biochemical, cellular, and molecular level the contribution of the tumor microenvironment in cancer progression and response to therapy," he says.

Key to these investigations are experiments that aimed at understanding the biology associated with oral cancer.

## Survival of the Fittest

It has been known for many years that once the tumor mass reaches a certain size, it develops areas of poor oxygenation, also known as hypoxia, says Schneider. The "aggressive nature of cancer cells" allows them to grow away from the vascular supply, he adds. These more aggressive cells have 'learned' to adapt and are able to not only tolerate an environment with little oxygen, but can survive and become invasive and metastatic.

How are these cells able to adapt so well? Naturally, cells mutate and change genetically in the process. In addition, explains Schneider, "Cancer cells respond to hypoxia by increasing the levels of a family of oxygen-sensing molecules known as the hypoxia-inducible factors (HIF)." He describes HIFs as the "master regulators of several gene products involved in tumor cell proliferation, survival, angiogenesis, invasion, and metastasis." Although there are three forms of HIF (HIF-1, HIF-2, and HIF-3), HIF-1 is likely the most significant in oral cancer research. Schneider and his colleagues are challenged with understanding the roles of hypoxia in relation to the aberrant oncogenic signaling pathways that already exist in the progression of head and neck cancer.

Under certain conditions, HIF can be invaluable. Take, for example, a hike up a Colorado mountain. In that type of high-altitude environment, there is a decrease in oxygen supply. The lack of available oxygen promotes an increase in red blood cells and more hemoglobin (the molecule in red blood cells that carries oxygen) to compensate for the

The bottom line in cancer right now is that a 'one size fits all' approach is the wrong way to go, observes Schneider. "We need to customize and combine drug therapies to suit the individual," he says.

lack of environmental oxygen. So, in this instance HIF works to protect the human body by targeting erythropoietin, which is a prime regulator of red blood cell production.

That's fine for a hike in the mountains—HIF is a safety net, but in cancer it becomes a pathology. The same stress-response mechanism that enables our body to adapt to the thin, high-altitude air also allows tumor cells to adapt to a poor oxygen environment. Although many cells will die, others are better able to adapt to a harsh environment. "The strongest, fittest, most aggressive cells in the tumor will survive. These cells want more blood vessels and can invade the surrounding tissue. HIF also controls proteins that create a pathway for tumor cells to migrate to distant sites and localize, for instance, in the lung, liver, or bone," explains Schneider.

Cancer that localizes to the bone is not unfamiliar to Schneider, who has engaged in bone cancer investigations previously. "Dr. Schneider is a highly talented scientist who has extensive experience in developing systems for imaging the spread of spread of cancer to bone," says Dr. John Sauk, chair of the Department of Diagnostic Sciences and Pathology.

The long-term goal in the investigations is to identify critical factors in these cellular pathways that can be controlled with the use of more specific, targeted anticancer therapies, says Schneider.

### Model Mice

The lab relies on mouse models to complement and validate research findings. Tumors are created in the animals by implanting human-derived cancer cells under the skin of mice. Although it doesn't replicate 100% the human environment, Schneider states that by creating tumors in this fashion, scientists can validate key points such as gene and protein levels. For example, Do the levels increase or decrease the same in animal models as they do in humans with oral cancer?

"It's incredible how animal models help with the development of cancer research," he adds.

Drug testing is, of course, a noted benefit of using mice. "We can assess the progression of the disease and intervene to evaluate the effect of different anti-cancer drugs," he says. For example, Schneider has worked with the drug Rapamycin. Traditionally given as an immunosuppressant for transplant patients, the drug has

shown positive effects in the animal model. "At the mouse level, the disease regresses and the tumor disappears," says Schneider. Several promising studies in mice have prompted the development of clinical trials in humans to confirm the effectiveness of Rapamycin in different types of tumors.

Animal models and other analyses, Schneider says, allow researchers to give input to oncologists to explain the biology of the disease.

The bottom line in cancer right now is that a 'one size fits all' approach is the wrong way to go, observes Schneider. "We need to customize and combine drug therapies to suit the individual," he says.

### A Rewarding Experience

Schneider's research at NIH will end in the spring; however, he is enjoying the work he's engaged in presently.

"Working with Dr. Silvio Gutkind at NIH has been an extraordinary opportunity to expand my research in one of the top laboratories in head and neck cancer biology in the world," he says, noting the importance of working collaboratively as a team. The "development of ideas, experimental design, and analysis" are positive aspects of his research.

"The interaction with so many people, with different clinical and scientific backgrounds certainly adds to your own career development," he says.

Schneider is also pleased to have the opportunity to work with his department chair, John Sauk, whom Schneider describes as being "definitely committed and passionate about research, in particular, in the area of oral cancer."

His recent move to the Dental School nearly two years ago, with Dr. Monica Schneider (Department of Orthodontics) came at an opportune time, as he notes the recent opening of the new building with "the implementation of new research laboratories and innovative ways of teaching clinical dentistry will definitely benefit the oral health of the people of Maryland."

The Schneiders both worked with Dean Stohler at the University of Michigan and his presence as the dean at the Dental School influenced their career choice. Most of all, he says that by supporting the new environment, "Maryland will continue to shine and be in the forefront of dental education, research, and service."

## Our New Building



BERNARD CYWINSKI

The new Dental School facility has created a new physical environment, as well as introduced a new language. Words such as *concourse*, *atria*, and *opera boxes*—all alien to Hayden Harris Hall—are now part of the common vernacular used to describe the School's new home.

Architect Bernard Cywinski can take the lion's share of the credit for bringing these concepts to life. His architectural firm, Bohlin Cywinski Jackson, has masterfully deconstructed the myth of the staid academic ivory tower. The artful, yet practical, building represents years of planning, hard work, and team effort.

Working with the building committee, Cywinski comments that there was a great diversity of input. "It was a kind of collaborative mission for us to reach a consensus. Everyone could walk away feeling that decisions were equitable. That's how you make a good building," he says.

The process, which began several years ago, included a committee of representatives from the Dental School, the architectural group, and University of Maryland officials. Cywinski says he was attracted to the dental project for a number of reasons, including the values of the University—to create a building "that will last

# TAMING THE TOWER

By Regina Lavette Davis

and that enhances the quality of life for all constituencies."

"This building really is three in one," he says, referring to the academic, research, and health care activities that take place. From an architect's perspective, Cywinski says the project offered "a pretty rich palate of opportunities to ponder."

Naturally, approaching an academic project of this nature is quite different from designing other structures, such as a private residence, for instance. First and foremost, Cywinski says, the scale of an academic-health facility is obviously different. Second, "You have to attach a rigor to the process that allows you to take a highly complex program, clearly interpret it in built form, and still capture the poetry of light and space."

Moreover, noting the dynamic possibilities for interaction, "You look for opportunities to invest key spaces with the greatest qualities for collegiality and connections to the outdoors." Those two concepts, nature and collegiality, help to define the personality of the building.

### Humane, Spirited Architecture

BCJ tries to marry the needs of the individual to the functionality of their projects and as well, they "pick up on the nature of the environment" surrounding the building. These considerations support their premise of "human and spirited architecture."

Even the casual observer will note that the building has two very distinct levels. The low-scale front structure makes the building more humane, explains Cywinski. Referring to it as the "bar building," he says the bar of windowed space that faces Baltimore Street is "part processional, part promenade and pergola." Originally planned as a rectangular tower, adding the lower structure changed the nature of the building and what emerged was a larger, more substantial

## Our New Building



COURTESY, BOHLIN CYWINSKI JACKSON

address, says Cywinski, adding that “‘Where the tower meets the ground’ is a composite of low and wide and tall and narrow.”

That task was one of the firm’s biggest challenges, as they had been given what Cywinski calls “a very small site for this building—a narrow spit of landscape.” However, he adds, that “by creating this glass-enclosed pavilion in front of the tall tower, we tamed the tower of the building. It creates an urban, happy relationship between the building’s front door and the street.”

With architecture, Cywinski says, “you have a chance to give people another point of contact in their lives. When we talk about humanity, we can make people more comfortable in places where they live, work, and play.” This is achieved, in part, by creating familiar environments, large windows, and opportunities for chance encounters.

The “spirited” elements of the design, he says, has more to do with the daylight, or the “release of space when you walk into a grand lobby.” Part of this spirit is the building’s ability to “continue the fabric of the environment,” Cywinski notes.

### A Building that Enables

More than simply function in the building, part of the architectural vision was to create an environment for people to become better at their chosen profession.

“The real satisfaction is when goals become tangible results—to see people who thoroughly enjoy being here. The proof of any piece of architecture,” he says, “is how it’s perceived and used by people who fulfill their vocation.”

Cywinski believes that the environment should support doing a job well.

The informal seating areas and ‘opera boxes’ that facilitate spontaneous, chance encounters, certainly didn’t happen by chance. The philosophy behind the design encourages opportunities for impromptu human conversations. In fact, Cywinski is quick to point out that the term *atria* is Roman and refers to an “open court in the middle of a building where people gather.” By promoting a collaborative, interactive atmosphere, says the architect,

allows the building to take on a humanity that contributes to a sense of well-being.

### A Jewel for the Campus

The building is a success because it meets the needs of all constituents of the Dental School in a manner that is positive and inspiring. “It celebrates the drive for excellence in research, academics, and care giving,” says Cywinski.

When asked to cite his favorite features of the building, he notes: 1-the good urban fit into the city and the campus, 2-the quality of light in the building, 3-simplicity of wayfinding (and what’s experienced on the journey), and 4-programmatic fulfillment (the building has everything it should contain and meets the operational needs).

“We’re very proud of the outcome of the building. It sets a high standard for completing the environment of the campus. Also, it sets the bar for the education and preparation of oral physicians of the 21st Century,” he says.

Dean Christian Stohler appreciates that philosophy: “Bernie Cywinski’s vision is transforming architecture and it has an enabling quality. Working with him became an opportunity for us to push dentistry beyond the current yardstick.”

Of course, the light that courses through the building is an impressive feature, of which Cywinski is most proud. “The light gives the building a life and pulse that it wouldn’t have otherwise,” he notes.

Ensuring that the building was graced with extra benefits, such as the metallic sun reflectors, was important to the architect. Paraphrasing the architect Louis I. Kahn, Cywinski says, “You don’t need it, but your life is better for it.”

## *Our New Building*

# THE DENTAL SCHOOL LAUNCHES 21st Century Education and Patient Care

On Tuesday, October 24, 2006, the University of Maryland, Baltimore, formally celebrated the opening of the new dental school building. The morning event was hosted by University President David J. Ramsay. In addition to Dean Christian S. Stohler, speakers included First Lady Kendel Ehrlich and Delegate Joan Cadden.

The new school represents the largest investment by the state (\$120 million) for an academic building. The 375,000 sq. ft., \$142 million facility incorporates state-of-the-art technology throughout lecture rooms, operatories, simulation labs, and conference spaces.

Much of the advanced technology came from corporate partners Planmeca, Bien-Air, and Nobel Biocare. The new facility has 324 digital dental units and patient chairs, 79 intra-oral X-ray units, and a clinical simulation area that provides students with a seamless transition to real clinical settings. The simulated heads have tongues, rotating heads, an articulated neck, and simulated teeth.

Classrooms and conference rooms are equipped with the latest information technology,

which facilitates sending presentations across various locations on or off site. The goal of the Dental School is to ensure that students' are not limited in their ability to access the latest information at any time or place.

Philadelphia-based architects Bohlin Cywinski Jackson designed the new 12-story building, which features two impressive atria that create bright, open areas.

For the Dental School, it was an exciting week of special activities, which included an opening night gala, the state-of-the-school address, the alumni gala, continuing education lectures, and the White Coat ceremony. In addition to faculty, students, staff, and alumni, representatives from the School's corporate partners attended and participated in the week's events.

This special section provides photo highlights recapturing the special moments as the Dental School made history again by becoming the most innovative dental institution in the world.

A complete video presentation of the opening ceremony is available on the Dental School home page, [www.dental.umaryland.edu](http://www.dental.umaryland.edu).

## STATE OF THE SCHOOL

Tuesday, October 24



# *Our New Building*

## OPENING DAY CELEBRATION/DEDICATION

Tuesday, October 24



PHOTOGRAPHY BY BILL MCALLEN AND THADDEUS LOGAN

# *Our New Building*

## OPENING NIGHT GALA

Tuesday, October 24



# Our New Building

## CONTINUING EDUCATION

Friday, October 27



Outgoing Alumni Association President Rody Jaeger and CE Director Kenny Hooper



John E. Fogarty Memorial Lecture Speaker Samuel F. Dworkin



Linda DeVore Memorial Lecture Speaker Jon B. Suzuki



"The Changing Face of Oral Cancer" Lecturer Robert A. Ord



Christian Stohler, Noel Paschke, Jacquelyn Fried, and Harry W. F. Dressel Jr.



Ashur Chevor, former Chair of Orthodontics, Georgetown University.

# *Our New Building*

## ALUMNI GALA

Friday, October 27



## *Our New Building*

# WHITE COAT CEREMONY

Saturday, October 28



## *thank you*

A special thank you is due to the many individuals who were instrumental in helping us execute a week of activities to celebrate the opening of our new dental facility: Dean's Office and Dental School Staff, UMB Office of External Affairs, and Corporate Sponsors: VPC, Inc./Eli Eisenberg, 3M ESPE Dental Products, Barton Malow Company, Benco Dental Company, Bohlin Cywinski Jackson, CareFirst BlueCross BlueShield, Delta Dental, DENTSPLY North America, Den-Mat Corporation, Fisher Scientific International, Inc., GC America, Inc., Henry Schein/Sullivan-Schein Dental, Maryland Physicians Care, Patterson Dental Supply, Inc., Listerine Antiseptic, Schiff & Associates LLC, SS White Burs, Inc., and VWR, Inc./Beckman, Coulter, Inc.

# Our New Building



Kendel S. Ehrlich

November 1, 2006

Dr. Christian S. Stohler, DMD, DrMedDent  
Dean, University of Maryland Dental School  
666 West Baltimore Street  
Baltimore, MD 21201

Dear Dr. Stohler,

It was my pleasure and honor to attend the grand opening of the World's First Dental School, University of Maryland, Baltimore. It must be very rewarding for you to finally see this project come to fruition and I was thrilled to be part of the big event. I really enjoyed my tour and found the facilities to be most impressive! What an incredible sight of which you should be most proud.

Thank you for including me and for forwarding my copy of Baltimore's Own: The World's First Dental School, 1840-2006. I wish you continued success and offer our deepest appreciation for all that you do for the community.

Warmest Regards,

*Kendel S. Ehrlich*  
Kendel S. Ehrlich

*Conquablabras  
is such a fabulous  
State-of-the-art  
building. You should be  
very proud!  
Sincerely,  
K*

Government House  
Annapolis, Maryland 21401

# *Our New Building*

# The State of Maryland



Governor of the State of Maryland, to

**BALTIMORE COLLEGE OF DENTAL SURGERY, Greetings:**

*Be it Known: That on behalf of the citizens of this State, in recognition of a tribute to applaud the official dedication of the new dental facility of the Baltimore College of Dental Surgery, University of Maryland Dental School... in honor of the innovative technology and all-digital environment in this new state-of-the-art facility; and as the people of Maryland join in expressing our high regard, best wishes and sincere congratulations on this special occasion, we are pleased to confer upon you this*

## *Governor's Citation*

Given Under My Hand and the Great Seal of the State of Maryland,  
this 24th day of October  
Two Thousand and six

*Robert Z. Ebeling*  
Governor

*Nicholas S. Stale*  
Lt. Governor

*Mary DeHans*  
Secretary of State



## *Our New Building*

# BUILDING ON SUCCESS

Kate McManus moved from the School of Law to the Dental School, where she embraced one of the most unique projects of her career.

By Regina Lavette Davis

**W**eeks after moving into the School's new building, Kate McManus tries to find time each day to answer an inbox full of building-related questions, suggestions, and observations. On a good day, she only has 50 e-mails, a bad day is 125. On this particular day, with just 20, it's definitely a good day—then again, it's only 10 a.m.

Aside from the builder and architect, hardly anyone knows as many intimate details about the building as McManus, who served as the construction manager on the School's building project and managed the move-in to the new facility. So, she understands well everyone's need for information and guidance.

"It's expected when moving into a new facility that there are loose ends and that there will be many questions that need to be answered. We are working toward making everyone comfortable in their new space," says McManus, who recently became the director of facilities for the Dental School.

### A Solid Foundation

Her role as the construction manager began when the building's superstructure was nearly complete, in July 2003, after the original project manager, Dr. John Hasler, retired. She was a natural fit, as she had extensive experience managing similar projects. It was McManus who supervised construction of the School of Law's Nathan Patz Law Center building. It was in Florida, however, where she got her start in construction.

"I began working for Turner Construction Company as a field secretary and accountant while living in Key Largo. From there, I worked my way up," she says. "The superintendent took me under his wing and taught me to read draw-

BILL MCGALLEN



KATE MCMANUS

ings and write the scope of work for projects and subcontractors. For the next 5 years I moved from project to project with him and really learned the industry from the inside out."

Some of her early projects at Turner included Fisher Island, the Federal Justice Building, and the Miami Airport. Her first academic work was in Miami, at the University of Miami, and included their law school project.

"She had seen the completion of Law School, so she was the obvious choice to spearhead our project," says Dental School Dean Christian Stohler, adding that she did a "marvelous" job as the construction manager. Her performance was so good, Stohler says, that he didn't want her to move on to another project and kept her on in a new role at the Dental School.

### Meeting the Challenge

Although she easily transitioned to the Dental School after the Patz building was complete, McManus says there's "no comparison" between the dental building and the School of Law building.

"This building has it all—research, animal facilities, 324 clinical operatories, offices, classrooms,

## *Our New Building*

**“We only had one chance to get it right and we had a lot of major decisions to make to carry the School forward.”**

dining, 180 simulation units, and public areas. We had 155,000 patient visits last year. Dental schools are the most expensive educational facilities to build,” she says, adding, “Medical schools use hospitals to provide practical experience for their students, but we do it all here—in one place. It is a challenging project and everyone who has been involved has been a member of our team. This is truly a group effort, led by a visionary dean.”

Two of her major challenges were money and schedule. “They are always the biggest challenges in this business,” McManus says. “On this project, we were especially short on funds and had to labor over each change we made and meeting the promise of raising \$21.6 million dollars.”

There were also unique challenges for the Dental School building, which involved ensuring that the School acquired the right level of technology in the research and clinical areas. Purchasing the equipment for these areas was difficult and required much thought, planning, and careful considerations because, as she puts it, “We only had one chance to get it right and we had a lot of major decisions to make to carry the School forward.”

She soon discovered early into the project that there were personal challenges and learning experiences, which McManus saw as positive opportunities. With a background working on non-research and non-clinical projects, she says that “learning the difference between a prosthodontist and an endodontist was just the beginning!”

As the construction manager, McManus was responsible for writing the specifications and scope of work for the equipment, both lab and clinical. “I have learned so much about research and dentistry,” she says. “Dean Stohler insisted on pushing the envelope in every area. The clinical equipment became an opportunity for growth. Originally it was specified as non-digital, but the dean insisted on doing more research to ensure that the money was spent as wisely as possible to get the best digital equipment available to us.”

### **Making Expectations a Reality**

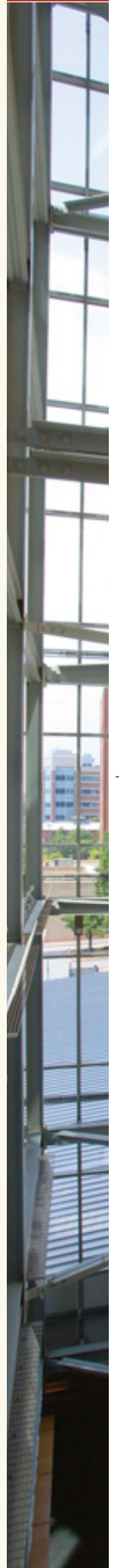
Ongoing communication was a key factor throughout the project, as each area of the School’s mission (patient care, academic, research) have different needs. Even within a single area—research, for example—individual department needs can be quite specific to the nature and level of research. McManus was always a part of the dialogue, and she was able to quickly understand everyone’s needs.

“Each department wants different things. Researchers want cutting-edge opportunities for collaboration; the clinical staff want to treat patients with the best care and equipment possible; faculty want rooms that can accommodate all types of study; students want to be exposed to everything; and patients expect competent, compassionate care in a safe environment,” she says.

Days and weeks were spent meeting with the builder (Barton Malow), reviewing architectural drawings, inspecting each area of the building, writing specifications for \$23 million worth of equipment, ordering furniture; overseeing installation of all equipment, fixtures, plumbing, electric, carpeting; working with the facilities office to ensure that punch list items are corrected (a punch list details deficiencies or incomplete work to be corrected by the contractor), meeting with University personnel in procurement, budget and finance, and traveling out of state to meet manufacturers and to visit similar dental institutions.

Plus, she was called on routinely to lead pre- and post-hardhat tours of the building to alumni, prospective donors, members of the media, and other interested parties. Even while the building was still a shell, each walkthrough included precise details on the building’s operations, locations of clinics, operatories, configurations for Information Technology, plumbing, gases, and water lines; lounge areas, soft seating areas—all without a script or notes in hand and each talk was peppered with McManus’ trademark sense of humor. Her previous training as a flight attendant and her gift of gab surely came in handy.

“My children say that all I do is talk to people



## *Our New Building*

all day. There is a lot of truth to that. Having good working relationships with people is key to any job, but is a requirement for this one. I have always been a good communicator, which is a nice way of saying 'a talker.' But I enjoy working with people," she says.

Months before move-in, the day finally came when McManus could walk into the building without a hardhat. "It was a turning point, for sure," she says. There was still, however, much work to be done. "We still had over \$20 million in equipment and furniture to be installed, so the hats were off, but then for me, the real work was just beginning."

### **Building on Relationships and Teamwork**

Although McManus has played a key role in two significant projects for the University, she places the lion's share of the spotlight on others. "So much credit must be given to the University and the support that this campus receives from all the different groups and the state," she says. "I am a minor player, but the real work starts long before I become involved." She notes the years of planning and background work needed to undertake for projects such as building a new law school or dental facility to come to fruition.

McManus describes the embryonic beginning of the project, which starts as a master plan and moves through the vice president's offices of budget and planning and moves on from there. "The Facilities Administration for the University has each school's best interests at heart," she says. "On this project, the Center for Information Technology was very involved, due to the high-end audio visual and computer technology."

Working with a diverse group of talented people on a project that serves a variety of functions often required her to take a leadership role, as Linda Otis, DDS, professor of diagnostic services and pathology, observes.

"Kate knows how to get straight to the point. If the issues are difficult, unpopular, or politically charged, she defuses the situation with humor and carries the task forward. She manages different issues, various personalities, and complex problems, but she keeps us all moving toward our common goals," says Otis.

It was particularly rewarding for her to see the building's progress on a daily basis. "It is a great feeling knowing how it will look from the prints, but seeing it progress day by day is exciting and



Kate McManus stands in front of the dental building construction site in 2004.

rewarding," she states.

In her new role as the facilities director for the Dental School, she takes note of tasks that still need to be completed. Naturally, she takes pride in the building and hardly a flaw goes unnoticed.

"I see nail pops, lumps in the tile floors, a missing piece of fascia metal — it drives me nuts. Some things never go away," McManus says.

She refers to the University's physical plant personnel as "experts at maintaining buildings." Within her department, John Phillips is the assistant director and oversees building engineering. Bryant Jones is responsible for the equipment and is in training mode with Jack Martin, from Planmeca, who will be with the School for one year.

"We have a strong team," she says.

As a woman in a profession that is often dominated by men, McManus realizes she is a trailblazer, but hardly sees herself as a role model.

"I do not think I'm a role model, but I do believe that the world is open to women and we are capable of being in any business that we choose. When I began in construction I was one of the few women, except for the secretaries," she says, adding, "I was lucky to have such a great mentor who believed in me. I was also a flight attendant, so I went from extreme to extreme."

Right now she sees maintenance as the priority for the new building and new equipment. "I hope that we can provide excellent service and a beautiful facility for our community." McManus also hopes that everyone will respect the new environment and come to regard it as a home, taken care of by everyone.

Each day she welcomes a new and different challenge. "My job now is never the same one day to the next."

"With Dean Stohler's vision and our faculty's input, together we have built a fabulous school for everyone."

## Our New Building



### A CAPITAL COLLEAGUE

Director of Capital Budget and Planning, Angela Fowler-Young was instrumental in keeping the Dental School on the right track with the new building. She gives some behind-the-scenes insights on the process.

#### Her role during the construction process:

My role/responsibilities included developing the initial program and justification for a new building (as opposed to renovating the existing Hayden Harris Hall); developing a Joint Chairman's Report concerning options and recommendations for the Dental School building; assisting in securing approval of the capital program for the project; assisting in securing the design, construction, and equipment funding from the state; developing a funding strategy for increasing equipment funding; securing approval of the equipment list; monitoring and managing the various funding sources and balances; reviewing and sign-off on equipment procurements; and develop the plan for patient access and traffic flow.

#### Compared to other campus building projects...

This project is the largest capital project to date on the campus and it was the largest dollar commitment to an academic facility made by the state. Further, this is the most complex building that has been constructed by UMB. It combines research spaces, animal facilities, instructional space, and patient care. Finally, it is one of the largest buildings on campus (size wise).

#### What specific problems or challenges did you encounter?

Funding was a major challenge. Construction funds were appropriated over 4 fiscal years and equipment funding was appropriated over 3 fiscal years. Because the construction funding was appropriated over several years, it was necessary to request additional funding due to inflation. Further, the original capital equipment budget was \$8 million yet the capital equipment list totaled \$25 million. At the time the University needed the additional funding, the state's economy was not robust, and thus a multi-year funding strategy was needed for equipment.

Because construction funding was over several years, it was necessary to get legislative support and agreement that the actual construction could begin prior to having all of the construction funds (highly unusual).

The original concept for the new dental school included a 500-car garage below grade. However, because of subsurface conditions—water and

bedrock—the garage portion of the project was abandoned. This meant that the parking program had to absorb the dental patients into its current inventory and it placed dental patient parking distant from the entrance of the building. We are trying to address how to improve patient access to the building.

As a clinical facility, in addition to academics and research, there were unique considerations.

Clinic space has a whole set of physical requirements that had to be considered. The clinic area is really functioning as a health care facility, not unlike a hospital or ambulatory care center. Thus, the design requirements are much more stringent than the typical school or research building. (Facilities Management would be the best ones to comment on this). The space is more costly to build (however, the most expensive space to construct was the animal quarters).

#### Working with the Dental School throughout this process:

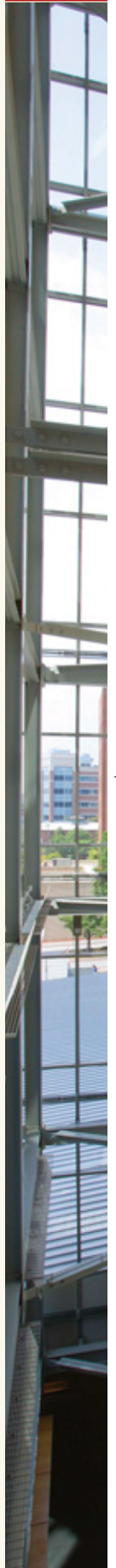
The Dental School administration and staff has been very involved throughout the entire design and construction process. When decisions were needed, they made them. They have worked hard to raise the required funding for this project (there is a \$21-million fundraising requirement placed on this project by the state); they have approached the development of this project as a team that includes the Dental School, UMB administration, facilities management, external affairs, CITS, the architect, and the construction manager. They worked hard to keep the cost of this project within the budgeted amount, and, they listened to advice.

#### Looking back, the only changes would be:

I think the design should have been altered to include parking for patients. Also, I think the design should have addressed West Fayette Street because, in the future, the campus will be expanding to the north.

#### Now that the building is finished...

I think it will be a great facility for the Dental School and a great addition to the campus community.



## ALUMNI

## New School Building—New Alumni



Charles Doring

As we celebrate the opening of our new Dental School building we, too, look forward to the start of a new alumni year. It is also the beginning of my term as president of the Alumni Association, a position that I am privileged and honored to hold.

This past winter, the Alumni Office surveyed all dental, certificate, and hygiene graduates. The good news is that respondents overwhelmingly felt great pride in our School and about the excellent education they received. However, a majority reported they did not feel connected to the School because of a lack of communication from the School. Interestingly, alumni were split 50/50 on how they would like news communicated to them: print versus electronic media. So, we are working hard to deliver news and we'll take advantage of both means.

Indeed, these are exciting times, with multiple forms of communication available. Remembering that communication is a two-way street, we look forward to using newer, faster technologies. However, we have a great respect for personal, face-to-face contact and, whenever possible, it will be our preferred means of communication.

Our alumni are quite diverse, with more than 7,000 members who span the globe and range in age from those in their 20s to some in their 100s. Members include dental hygienists, general dentists, specialty trained dentists, post-grad researchers, and faculty. The association wants to find ways to reach out to all segments of our membership and make all alumni feel part of this collective, elite group. We are the graduates of the Baltimore College of Dental Surgery, Dental School, University of Maryland. The first and the best!

I look forward to working with all of you and hope to meet many of you personally. We have a great Alumni Association Board made up of dedicated volunteers.

I want to personally thank immediate past president, Dr. Rody Jaeger, for mentoring me this past year. I gained a wealth of knowledge and experience under Rody's guidance.

I wish all of you a wonderful remainder of 2006 and hope you take me up on my offer to contact me with your thoughts.

Sincerely,  
Charles Doring, DDS '87  
cdoring@comcast.net

Become Active—It's *Your* School

Janice Batzold

Dear Alumni,

For the Class of 2006, graduation had the subtle flavor of bitter-sweet. The exuberance felt by dental and hygiene students as they reached the next level in their professional careers was mixed with the emotion of leaving the Dental School on the cusp of the School's beginning of an amazing new era. With all of the talk of the new building, spacious classrooms, high technology, smart chairs, and the list goes on and on, this was not going to be their Dental School.

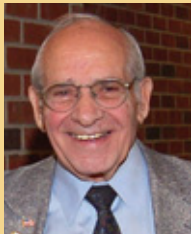
Well, that's not true! If you are an alumnus/ae of the BCDS, University of Maryland Dental School, regardless of the year of graduation, regardless of whether you graduated from Greene Street or 666 W. Baltimore Street, the new building is *your* Dental School. Alumni have a beautiful home in the new building. The Alumni Relations Suite has one of the best views in the house. Staff is here to serve you, and the space is yours to visit.

I encourage all alumni to become active in the Dental School. Opportunities abound. You can attend alumni events, serve on the Alumni Association Board, become a class reunion chair or regional agent, volunteer as a member of the Dean's Faculty or the auxiliary, attend continuing education courses, or write us with your ideas and suggestions. I want to build a young alumni program, and I need volunteers to help me launch this initiative. No matter what stage you are in your career, there is an important role for you to play in *your* Dental School.

Please, always feel free to contact me or to visit me in our new Alumni Relations Suite whenever you're in the neighborhood. The coffee is always fresh and hot. Keep in touch.

Warm regards,  
Janice

# EPILOGUE



Now that the history of the Dental School has been written, alumnus Joseph Cappuccio ('46) offers his insights on the future of the School.

The past is Prologue. It is my pleasure to present this Epilogue following the historical legacy of the BCDS Dental School, University of Maryland, as it is depicted in the historical text authored by Dr. John Hyson Jr. that was recently released during the opening of our new Dental School building.

The legacy of the world's first Dental College, founded in 1840, and in existence for 166 years, is replete with the many accomplishments recorded over the many years and eras of the College. The first formal DDS degree in dentistry was offered and conferred by our College.

As you know, recently, we had the pleasure of occupying our new dental school building, which is the world's state-of-the-art dental facility. It is second to none.

Dean Christian S. Stohler will instill in us his inspiring mission for the future, by bringing about many changes and advances. The future augers well because all concerned must accept the challenges ahead by developing a new and innovative dental curriculum to meet the present and future needs of dental education.

I support Dean Stohler's vision, that the world's first dental school should deliver dental care for our patients based on new technologies, etc.

Our patients are very sophisticated and informed. They will expect the latest in medical and dental advances the faculty of our School must be aware that students in the modern era understand the advancements made that should be made available to them and their patients—presently and in the future. We are the first dental school in the world, and why not be the very best? The Baltimore College of Dental Surgery, Dental School, University of Maryland, will lead the way of the future.

To those who are faint-hearted and unsure, I have a message: If you are afraid of the future, then get out of the way.

Dental education, in the future, also needs more diversification in both the faculties, student bodies, and staffs of the various dental schools of this country.

The future of dental education should also include the challenge for graduates to involve themselves in more community activities and become more communicative with their constituents and involved in their needs. This will also do a great deal to improve our image and professional standing. Let us practice by our deeds and action the concept of dental advocacy.

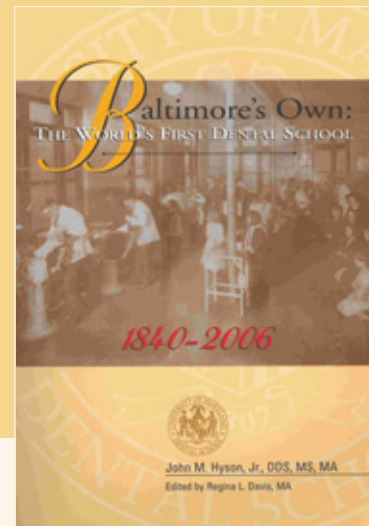
It is our fervent hope and desire to add to the luster and legacy of our School. We are also very fortunate to have the largest number of loyal and dedicated alumni throughout the United States and abroad. Many of them have been very active in organized dentistry, such as the American Dental Association, National Dental Association, the American Academy of Dentistry, and the American and International College of Dentists, etc.

Our School's dedicated educators and dental leaders of organized dentistry in our community will join in becoming a cohesive force never imagined. Ours is not to live on our past laurels, but to move the horizons of the future of dental education.

Dr. Stohler has brought to our institution not only his fervent reverence for our glorious past, but a dream and mission for our challenging future. To paraphrase the words of the late President John F. Kennedy, "Ask not what your school can do for you, but what you can do for the BCDS and dental education."

It shall be done! Let us look forward to our future built on a firm foundation of legacy, education, service, and care for the American people.

**Joseph P. Cappuccio, BS, DDS, Professor Emeritus**  
Former President, Alumni Association  
Former President, ADA



# WHEN PERSISTENCE PAYS OFF

By Regina Lavette Davis

**D**r. Maurice Lussier set out to prove that he could succeed in dental school. His persistence has enriched his life, as well as the Dental School, and will help future generations of dental students.

Shoe factories were a way of life for men in Maurice Lussier's family in Manchester, N.H. His brother worked full time at the Myrna Shoe Factory, where Lussier also worked during summers and after school part time. His father worked at another shoe factory, J. F. McElwin Shoe Factories. One thing was certain in

*"The more people told me I couldn't do it, the more I kept going."*

Lussier's mind, however—he was not destined to spend his life in a shoe factory.

Although the road to dentistry was far from smooth, several acts of kindness helped pave the way to a rewarding career. Maurice G. Lussier, DDS, '55, circumvented numerous obstacles—poverty, illness, and naysayers—to realize his dream of becoming a dentist. Lussier says that he decided on dentistry when he was very young, and on occasion, visited the H&O Dental Laboratory in Manchester, which gave him a glimpse into his chosen field.

At the H&O Dental Laboratory, which had



Dr. Maurice Lussier, and his wife, Maureen, are both ardent supporters of the Dental School and its mission.

only five employees at the time and later became nationally known, he witnessed all sorts of laboratory dental work being made. This experience, he said, "was very enjoyable."

But some people around Lussier tried to dissuade him from becoming a dentist because he only had two years of pre-dental education and a poor upbringing.

"The more people told me I couldn't do it, the more I kept going," he recounts.

Much of his savings were depleted to help with expenses after his mother became seriously ill. "Then I was stuck. I didn't have any money for school," Lussier adds.

Without his savings, his future as a dentist seemed unlikely. He recalls his good fortune when two wonderful physicians—Drs. Byron and Kirkpatrick—in his hometown sent him to the Amoskeag Bank, where he applied for, and received, a Hozier Wagner Fund Scholarship, which was an outright gift. The money from this fund covered his tuition, books, and instruments for four years.

"If it hadn't been for the fund, I couldn't have come to dental school," he recalls.

## Ten Words and \$22

When he arrived in Baltimore in 1951, his tuition was covered, but he only received \$22 a week from his parents. During his second and third years, he received \$10 a week and \$12 a week

working part time at the Eager Street Pharmacy—a job that helped tide him over financially. At the pharmacy, he worked for Drs. Handleman and Stiffman (both graduates of the University of Maryland School of Pharmacy). The pharmacists, he says, “were tremendous people.”

In his senior year, Lussier had a brain tumor removed. His bosses helped ensure that he received proper medical attention and lent him money to help him stay on his feet. After he graduated and started his dental practice, Drs. Handleman and Stiffman were the first individuals he paid back.

Of course, money was only one of his major concerns. He still had to successfully complete his coursework. With only two years of pre-dental studies under his belt, he was at a slight disadvantage. Luckily, Lussier’s roommate, Dr. Joseph F. Williams, had completed four years of pre-dental study and helped him learn dental terminology. “Every night, he’d give me 10 words,” he says, “not a lot, but it surely helped.” They roomed together for four years.

Looking back on his education, Lussier says, “I was always in awe.” Adept at cadaver cutting, he enjoyed using his hands and interacting with patients. He always set himself apart from other students by continually asking questions, even if those questions were aimed at long-held dental theories. “I was always questioning—I always wanted to know why,” says Lussier, which often made him a thorn in the sides of his professors.

Although he says, “I had a hard time getting through school, I enjoyed it. I loved the school.”

### Honoring a Legacy of Gifts and Support

Lussier has never lost sight of all of the people who helped him along the way. Sam Share, owner of the Mryna Shoe Factory, always found a job for him during his summer breaks; Handleman and Stiffman; and those who awarded him the Hozier Wagner Fund Scholarship. Katherine Toomey, Dean Myron S. Aisenberg’s secretary, proved to be another source of support for him.

“I didn’t have any money when I got out of dental school,” he says. Toomey called him into her office one day to inform him of an opportunity to purchase dental equipment from the aunt of a recently deceased alumnus dentist in Manchester, N.H. Working behind the scenes,

she managed to get him the equipment for only \$1,000.

“It was over \$5,000 worth of equipment,” says Lussier. “I borrowed a thousand dollars and used most of it to set up my first office with two chairs. In fact, he is proud to say that he still has some of the instruments, such as the surgical forceps, and they are still in excellent condition.

A smart businessman throughout his dental career, Lussier followed a simple approach to his professional and personal purchases. “I always ask, ‘Is it practical? Is it logical? Does it pay for itself?’” For his home, he asks, “Is it necessary and do we need it?” His philosophy

**“If it hadn’t been for the fund, I couldn’t have come to dental school.”**

worked for him and helped him to achieve a successful practice.

Now that he is in a position to help others, Lussier has named the Dental School in his estate planning, and part of the funds will be used for a scholarship fund for dental students in need.

“It will be an outright gift, not to be paid back. It will be based on need, not grades,” he explains. As long as a student has the drive and motivation, Lussier says that he would like to do what he can to help. Having the money “will help take the pressure off” of dental school, he adds.

In addition to the scholarship, Lussier has donated a lecture hall in the new building. “The new school is great,” he says, and he adds that he applauds Dean Christian Stohler’s vision for the school’s future.

Lussier is an example to anyone who faces obstacles along the path to success. He offers this advice to students: “If you’re firm and know what you want, don’t get waylaid. In the long run, I got the things that I wanted.”

Lussier was married on Jan. 13, 2005, to a “wonderful woman and nurse,” Maureen I. (Smith) Lussier. The Lussiers have two homes, one in Hull, and the other in Somerville, both located in Massachusetts.

His wife loves the idea of his lecture hall and the scholarship fund, and is helping to set up the scholarship fund.

## ALUMNI

## MILTON C. CLEGG HONORED AT ALUMNI GALA



MILTON C. CLEGG

**A**t this year's Alumni Gala, Milton Chipman Clegg, DDS, MS ('60), received the Distinguished Alumnus Award. After dental school, Clegg completed a one-year certificate program in Advanced General Dentistry at the Navy Dental School in Bethesda, Md. He also holds a Master of Science degree in systems management from the University of Southern California.

Rear Admiral Clegg, now retired from military service, completed 32 years in the United States Navy. During that time, he served as a dental officer and manager of federal health care delivery systems. From 1989 through 1992, he served as the Chief of the United States Navy Dental Corps and held responsibility for the dental health care of more than 750,000

U.S. Navy and Marine Corps personnel and supervised 1,750 dentists.

After his military retirement in 1992, Clegg served for 7 years as a professor of dentistry and as an associate dean for clinical affairs at Northwestern University Dental School. In that capacity, he supervised the management and care of more than 25,000 active patients.

Clegg is a fellow of the International College of Dentists and the American College of Dentists. He is a member of the American Dental Association and the Illinois State and Chicago Dental Societies. In 1992, he was awarded the Distinguished Service Medal by the President of the United States and received the Exemplary Service Award from the U.S. Public Health Service.

*If you would like to nominate a Dental School alumnus for the Distinguished Alumnus Award, forms are available on the Alumni Association Web site at [www.dental.umaryland.edu](http://www.dental.umaryland.edu). You may also contact the Office of Alumni Relations to request a form or for additional information at 410-706-7146 or e-mail [dentalalumnievents@umaryland.edu](mailto:dentalalumnievents@umaryland.edu).*

## In Memoriam

The Dental School remembers our alumni who are recently deceased.

- Victor L. Andrews Jr., DDS (1955)
- Michael A. Costrino, DDS(1956)
- Allan L. Danoff, DDS (1959)
- Edmond J. Epstein, DDS (1950)
- Bernard Gordon, DDS (1948)
- Robert D. Hanley, DDS (1955)
- Kenneth D. Kornrich, DDS (1941)
- Algert P. Lazauskas, DDS (1942)
- Clayton S. McCarl Sr., DDS (1956)
- Thomas R. McSparren, DDS (1946)
- Walter P. Neumann, DDS (1946)
- Christopher J. O’Connell Jr., DDS (1956)
- Gerd H. Petrich, DDS (1968)
- William E. Pfeifer Jr., DDS (1944)
- Burton A. Raphael, DDS (1959)
- Warren E. Thurston, DDS (1956)
- Frank V. Tirocchi, DDS (1946)
- Norman E. Toussaint, DDS (1946)
- Albert W. Ro, DDS (1981)
- Richard J. Singer, DDS (1974)
- Herbert Weinstein, DDS (1936)

## Alumni Events Calendar

### January 26, 2007

Alumni Reception  
 Yankee Dental Congress  
 5:30–7:30 PM  
 Boston Marriott Copley Place  
 Boston, MA

### April 21, 2007

Alumni Luncheon and CE Course  
 Nation’s Capital Dental Meeting  
 Washington Convention Center  
 Lecturer: Nasir Bashirelahi, PhD, Professor, UMB  
 Title: *Nutrition and Nutraceuticals: Update for the Dental Professional*  
 Room Location and Time: TBA

### June 1-2, 2007

All-Alumni Reunion  
 CE Courses, Alumni Gala, and Reunion Class  
 Parties BCDS, Dental School  
 University of Maryland  
 Brochures will be mailed with specific details and registration information.

For additional information, please contact the Office of Alumni Relations at 410-706-7146 or dentalalumnievents@umaryland.edu.

## The BCDS History Book 353 pages; 100 photos

Cost: \$20 ***Make this a great holiday gift for yourself or someone else!***

Name: \_\_\_\_\_

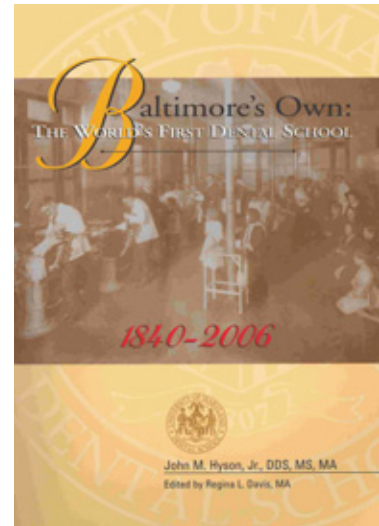
Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

QTY: \_\_\_\_\_ (Add \$5 Shipping & Handling) Total: \$ \_\_\_\_\_

**Please make checks payable to:**  
 University of Maryland Baltimore Foundation, Inc.

**Mail to:**  
 Communications Office, Room 6416, University of Maryland Dental School,  
 650 W. Baltimore Street, Baltimore, MD 21201



## ALUMNI

## Hooper Leads Continuing Education

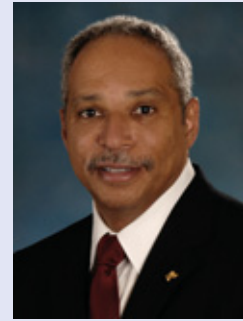
Kenny Hooper, DDS, MS, is the Dental School's new director of the continuing education program. With the success of the fall CE program, Hooper is off to a great start.

A 1978 alumnus, Hooper has an impressive goal in mind. "I plan to help show the world that we are not only the oldest dental school in the world, but as the first dental school and the newest dental school, with our new building, but that we are the best dental school in the world—by our product," he says.

This issue of *Mdental* marks the first of several installments of CE courses available through the magazine. Hooper expects to launch online course offerings some time next year.

Hooper notes that there are at six members of his graduating class who are members of the School's faculty. "There are many other members of my class who have played various roles in their continued support of our alma mata. I believe we all feel honored to be able to continue the legacy—to serve each other: our alumni, students, patients, and community."

Anyone, especially alumni, interested in authoring a CE course should submit article ideas to: [BCDSCE@umaryland.edu](mailto:BCDSCE@umaryland.edu).



MARK TESKE

## William P. Magee Recognized by University

William P. Magee, Jr., DDS, MD ('69), was honored at the University of Maryland, Baltimore, Founders Week gala as one of UMB's "Illustrious Alumni" of 2006. Along with his wife Kathleen, Magee founded Operation Smile in 1982, a private, nonprofit volunteer medical services organization that provides reconstructive surgery for cleft palate and related health care to indigent children and young adults in the United States and developing nations. Dr. Magee also has trained more than 600 international physicians in advanced craniofacial techniques through Operation Smile's annual Physician Training Program, held in Norfolk, Va. The recipient of the first \$1 million Conrad N. Hilton Humanitarian Prize, the prestigious 2001 Antonio Feltrinelli Prize for Exceptional Endeavors of Outstanding Moral and Humanitarian Value, the U.N. Servants of Peace Award, among many others, Magee was inducted into the Toledo-based Medical Mission Hall of Fame in 2003. The American Medical Association honored him with its 2000 Pride in the Profession Award, and in 2002, he was included in Consumers' Guide to Top Doctors. The great work of Operation Smile and Magee's reputation as a leader in his profession has continued to spread across the globe, making him a featured guest on many television programs, including Dateline NBC, CBS Sunday Morning, and 48 Hours.



MARK ATKINSON



JAY BAKER

Magee is shown at the University gala with (l to r): Dean Christian Stohler, Kathleen Magee, and UMB President David Ramsay.

BILL DENNISON



HARRY W.F. DRESSEL

## PHILANTHROPY 101

By Ned Sparrow

As we begin a new era with a technically unique Dental School, it seems appropriate to revisit the profile of Dr. Harry W.F. Dressel to fully appreciate how his contributions have supported the construction, programs, and goals of the new Dental School.

**A**dvice for young dental practitioners: after your practice is established and you have your loans paid off, start investing. Don't worry about driving the most expensive car when a safe middle price one will do. Invest in equipment, materials, and technologies that will improve your services, please your patients, and build your practice roster. Also, spend some of your profits on continuing education for yourself and your staff. Don't be possessed with having a beach house or doing big and expensive things, and—above all else—avoid things that create debts. After a successful career, with basic financial prudence you, too, may develop the wherewithal to be a philanthropist even if you don't come from money.

This advice comes from Dressel, Class of 1945, born in Pigtown (Southwest Baltimore City). His father was an efficiency manager employed by Westinghouse, Inc. He was an innovator—always looking for ways to do things better. Harry Jr. followed in his footsteps.

A life long learner, Dressel recently completed a three-credit course in digital photography and a course in Spanish. A requirement photomontage, with the title “Go Charlestown” and scenes of his retirement community graces the outside of a window adjacent to his apartment door. It encourages the viewer to take in views of the grounds, buildings, and the lake. What grade did he earn on the montage? “I took the class pass-fail,” he smiles.

## DEVELOPMENT

Dressel was concerned when, about 7 years ago, he learned that BCDS did not have any digital dental equipment for the students to experience. He lights up when he when he tells about giving the money to the School to purchase two CDR (computed dental radiography) units and two imaging units. With the CDR units, the dentist can produce, on a chair-side monitor in just seconds, screen-size or enlarged black and white or color diagnosable radiographs to demonstrate pathology to the patient without film or processing—and with less radiation. Dressel says, “I have heard about patients complaining of going to dentists who want to remove most of their fillings, and they have become upset about what to do.” With the imaging units, the dentist can show full-screen images of a tooth or areas of the mouth in full color and then make a print in seconds to allow patients to see any faults for themselves. Dressel pulls a ballpoint pen from his pocket to illustrate the size of the intra-oral camera.

He also urged constructing a network and central server to communicate images and data throughout the School more efficiently, rather than physically carrying information from department to department. To his delight, this is now incorporated in the School’s new technology. Dressel has been involved with computers since IBM released the first desktop computer. He has been among the first to adopt new equipment and technology in his office.

### “He has devoted his life to his profession.”

His patients would often say on their periodic visits, “What’s new this visit, Doc?” He was among the first 25 dentists to adopt the air-driven, high-speed handpiece, and the first Maryland dentist to have a dental chair using the euphorian curve. This type of chair was originally designed in the early ‘60s for astronauts. Dressel says that, “It made sit-down, four-handed dentistry much easier and more efficient for the dentist and assistant and more comfortable for the patient.”

Dressel loves to share how new technologies make dentistry more effective, and describes the automated chair and unit to be used in the new School. He says, “I was always very pro-



Harry Dressel Jr.'s yearbook photo.

gressive in exploring new technologies and modalities of practice, and I am delighted that the new dental school is headed that way.”

As the Legacy Chair for the Alumni Council, Dressel likes to show that everyone can be a legacy builder. “You can’t have every thing today and expect to meet the needs of tomorrow,” he says, adding that he built his wealth by being a saver. When faced with the desire for something, he asks himself, “Do I really need this?” And if the initial answer is yes, he asks again, “Do I really, really need this?”

BCDS is lucky that Dressel has put action behind his words by giving approximately \$300,000 in cash, stocks, and funds for annuities thus far. He believes that the new school will receive slightly more than one million dollars from his will, “depending on what Uncle Sam does with estate taxes.” Clearly, the question of “Do I really need this?” asked twice has produced an affirmative result in his ability to give. “The basic education that the School gave me to be a successful professional has been one of the most valuable assets of my life. By my giving back, it will enable others to enjoy the opportunities in dental education that I have enjoyed.”

In addition to giving his money, Dressel has given of himself by serving in many organized dentistry offices and committees nationally and locally to promote and advance the needs of dentistry. Over the years, many professional peers have come to him for counsel and advice.

“When I don’t know what the right thing is, I call Harry” says Sheldon Silverman, DDS (‘50), who was a student of Dressel’s for operative dentistry. “Harry is one of those people like ‘Mr. Chips’—he is the epitome of ethics in the profession. He would never do the wrong thing or allow the wrong thing to be done.” Silverman, who has served as a president of the Alumni Association adds, “Harry has been especially instrumental in smoothing relations between the School and the Alumni Association.”

Dressel enjoyed 25 years in private practice, 3.5 years as a faculty member in operative dentistry at BCDS, and 16 years at the Community College of Baltimore (CCB). Of the move to CCB, Dressel says, “My family was against the move back to teaching, but I was out of debt, had money invested, and I missed teaching.” Dressel was a natural fit at CCB, establishing the Department of Dental Auxiliaries as a department head and full professor. He designed the facilities and, with his faculty, created the accredited programs of Dental Assisting, Dental Hygiene, and Dental Laboratory Technology. He had served on many ADA committees related with expanded duties for dental auxiliaries and as a consultant for dental auxiliary programs for the Dental School, the University of Tennessee, the University

of Delaware, and Allegheny College. He was elected as the first professor emeritus of CCB.

Joy Parson worked part-time as an assistant for Dressel, while she was a student in the Dental Assisting Program (‘82) and the Dental Hygiene Program (‘85). She says, “As a teacher, Dr. Dressel was very tough, but very good. He was like a father figure with advice even outside of dentistry. He has devoted his life to his profession. He has been a devoted family person and his faith is very important in the way that he treats people and goes about his business.”

Dressel is the only individual to serve twice as president of the alumni association to date, serving in 1967 and again in 2003-2004. Among many honors, he was elected to receive the BCDS Distinguished Alumnus Award and Hall of Fame citation in 1994.

Dressel’s calling card now reads “Retired from dentistry. Concentrating on computers, golf, and travel.” He adds, “I should have included photography.”

He hopes that he will be remembered as someone who has contributed to a better life for many and to a better world. As for digital technology he says, “It will be amazing what is coming down the road. We are seeing just the beginning of its potential today.”

## Three Departments Aim for Endowed Chairs

### Orthodontics Lead the Race

Currently, the departments of orthodontics, periodontics, and oral maxillofacial surgery are all actively committed to establishing endowed chair positions.

Alumni and friends of the Department of Orthodontics have launched an ambitious fundraising campaign to raise \$2 million to establish the first endowed chair at the Dental School. Under the leadership of the campaign chair, Dr. Edgar Sweren and co-chair Dr. Karl Pick, a dedicated committee of leadership donors is assembling. They expect to be ahead of their end-of-year goal—\$500,000—in December.

At the announcement of Dr. Stuart Josell as the next chair of Orthodontics, Sweren stated: “Our loyal alumni are energized by the stability this appointment gives our department.

Furthermore, the creation of this endowed chair gives us the opportunity to translate our personal success into a permanent legacy for the department that launched our careers.” Sweren also expressed his confidence that the names of all graduates would appear as benefactors of the Alumni and Friends Endowed Chair in the Department of Orthodontics.

Committee members/leadership donors include:

Edgar Sweren, <i>Chair</i>	Philip Philbin
Karl Pick, <i>Co-chair</i>	Frederick Preis
Donald Demas	Steven Siegel
Mark Kearns	Edward Sheinis
Richard Marshall	Victoria Switzer
Mark Minium	Timothy Wilson
Edwin Morris	

STUDENT NEWS



R. DAVIS

August orientation session in the new building.

# NEW STUDENTS LOOK FORWARD TO THE MARYLAND EXPERIENCE

Although the academic year began in the old dental school facility, by the end of September students were excited about and engaged in their all-new facility. Before the official move-in, incoming students received their August orientation sessions in the new building. For many first-year students, the high-tech facility punctuated the decision to choose Maryland, which has a long history and reputation for excellence.

Adam Eskow, Class of 2010, says the combination of being forward-thinking, along with a strong historical background were important factors.

“One of the main things that caught my eye about the School was its balance of tradition and change. I wanted to go to a school that had a long history of success and wasn’t afraid to be at the forefront of dental education, pushing it into the 21st century. In addition, the school is strong academically as well as clinically, and opens many

doors of opportunity for its graduates--from associate ships to residencies,” he says. The location in Baltimore, he adds, will also give him the opportunity for outreach to area elementary schools and provide care to the general population.

Jenny Lee Howell (2010), says she selected BCDS because “UMB has an excellent reputation and because the admissions staff was very supportive.”

Talking to other students also played a major role in shaping her decision.

“When speaking with upper-year students during my interview, I was given the impression that the faculty genuinely care for the students and their welfare (academic and personal) and make every effort necessary to ensure their students’ success,” she says.

Assistant Dean of Admissions and Recruitment, Dr. Patti Meehan, says that the incoming students “are an extremely talented and diverse group of

The student learning center provides computers and comfortable seating for those who bring their own laptops.



DAVID PITTS

The atrium cafe is a popular destination between classes.



WARD MASSEY

The fifth-floor student lounge is an open, attractive area for students to eat, relax, and study.

students.” She adds that they were selected from one the School’s largest applicant pools of nearly 2,400 individuals.

So far, Eskow says he enjoys the integrated curriculum. “The material in each class relates to the next, and I really understand it better when viewing it from different perspectives. In addition, I like how the curriculum is structured so that we will take the national boards after Year One. I feel that this will give us more time to prepare for preclinical and clinical activities,” he says.

Howells notes that after leaving the School, “Graduates will have a lot of clinical experience upon entry into the work force.”

The advanced technology in the building, naturally, hasn’t gone unnoticed. “I love the new building,” says Eskow. “When I come to school in the morning I am motivated to learn. With the open design and many windows, it really facilitates interaction among the different years. I have already interacted with many more upper classman than before. I am also very interested in technology, so I am anxious to learn how to use all the new equipment,” he adds.



MATT WARD

## Award-winning Students

### Davoody Receives Fauchard Award

Amirparviz R. Davoody ('07) received the Pierre Fauchard Award for 2006-07.



Christian Stohler, Amirparviz Davoody, and Charles Fine.

### MDS Provides Financial Support

Three students received scholarship checks from the Maryland Dental Society (MDS), via the National Dental Association Foundation (NDAF).



Kenny Hooper, Laelaye Shimeles, Terri Hines, Winifred Booker, and Onyinye Oneyewuchi.

### Chapter of the Year

The Maryland Chapter of the Student National Dental Association was awarded the 2005-2006 “Chapter of the Year Award” at the 2006 National Dental Association Conference in Nashville, Tenn., in July.



Pictured are members of the SNDA with faculty at the NDA National Conference.

## STUDENT PROFILE

# STUDENT REINVENTS 'MULTI-TASKING'

By Melody Nazarian

**W**hoever says it's impossible to simultaneously juggle a rigorous academic career, a booming social life, and a long list of personal ambitions has not met Lyndsay Carey Bare, a third-year dental student.

Since her arrival in 2004, Bare has served as a teaching program developer for the histology course, traveled to Finland to tour the Planmeca site, and is a volunteer assistant lab instructor in the sophomore fixed prosthodontics labs. For most students, a schedule that crammed would leave no time for leisure, but Bare has managed to concurrently author two children's books, *Third Out* (2004) and its sequel, *Clover Valley* (2006). "Fortunately, school has always come to me rather naturally, so I have been able to afford the time to do other things that I enjoy," she says.

The honor student (a 3.9 GPA) has, indeed, mastered the art of multitasking, but she didn't always know that she wanted to work with teeth. She was once determined to pursue medical school, but all that changed when she volunteered in the Shock Trauma OR at the



LINDSAY BARE

University of Maryland Medical System.

"A man had been flown into Shock Trauma in the middle of the afternoon with a self-inflicted gunshot wound to the head," she recalls. "I had been up on the heliport at the time, and, after watching the helicopter land and the man brought down on the elevator, I stood off to the side while the doctors attempted to save his life. I'd been watching them save lives all week long, but, suddenly, they called out a number: 12:31—the time of death. I realized in that moment that I was not a 'life or death' type of healthcare provider."

Although Bare couldn't stand to witness patients die, she was open to oral health. From 2003 to 2004, she worked as a dental assistant for a local general dentist, shadowed various dental specialists, and came to realize that dentistry was something she could see herself doing for the rest of her life.

What sets Bare apart is her true passion for learning. "I think part of my success in school is because I do truly enjoy learning for the sake of learning. Learning new things, whether it be

“When I arrive home from school at night, I already have a mental list prepared of what I would like to accomplish and make every effort to adhere to my plans. Otherwise, all the tasks that need to be completed in my academic life as well as my personal life start to compound, and I don’t like to have that weighing on my mind.”

dentistry or a new language, enhances all other areas of my life, so it makes everything I do worthwhile,” she says. Her professors agree: “Lyndsay is the type of student who truly understands the material being discussed and doesn’t just study for a test or grade. She is a self-motivated, life-long learner who is a delight to have in class because of her interest in her chosen profession and eagerness to learn,” says Edward Grace Jr., PhD.

Although education comes naturally to Bare, she is by no means a passive scholar. “Lyndsay is an excellent student who rapidly grasps concepts. This is not to imply, however, that this comes without effort. While she does not have to study constantly, she is incredibly conscientious and keeps up with daily work as well as reviewing past material for clinical proficiency,” says Judith A. Porter, DDS, Bare’s preclinical professor.

“Lyndsay puts in a lot of time organizing and rewriting her notes, as well as adding supporting information and details such as figures,” adds Werner Seibel, PhD, course director for Bare’s first-year anatomy course.

Not unlike other motivated students, she is actively making mental notes as soon as she leaves the lecture hall, which keeps her organized and focused. “When I arrive home from school at night, I already have a mental list prepared of what I would like to accomplish and make every effort to adhere to my plans. Otherwise, all the tasks that need to be completed in my academic life as well as my personal life start to compound, and I don’t like to have that weighing on my mind.”

When she’s not taking notes, writing books, or doing research, Bare hones her other pas-

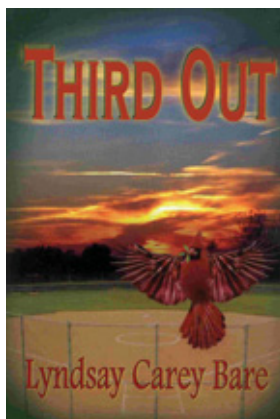
sion: singing. In high school, the music-lover would compose tunes with her clarinet and keyboard to go with her poetry; as an undergraduate student at McDaniel College, she sang soprano in the school’s choir, and participated in concert performances. If she’s not belting out a melody, you’re likely to find Bare at a meeting for one of three dental associations she’s a part of: the Hispanic Dental Association, American Association of Women Dentists, and American Student Dental Association.

Although Bare has not yet determined what she will do after graduation in May 2008, her healthcare, research, and teaching experiences have given her some ideas. “At this stage in the dental program, I have only been in the clinic treating patients for a few months, so every day presents itself with something new and fascinating. If I were to specialize, it would only be if I were to find a specialty that has the

capability to fascinate me every day for the rest of my dental career. I have also considered the idea of perhaps working toward a master’s degree in public health. As of yet, I think I am blinded by the novelty of treating a patient as opposed to a plastic set of teeth.”

She may even one day follow the lead of her influential professors and lab mentors. “I do, in fact, see myself teaching, whether it be preclinically or clinically, as well as partaking in more research delving into the behavioral side of dentistry,” she says.

No matter what Bare ends up doing after she finishes, she’s sure to follow a path that guarantees her an ear-to-ear grin, because to her, “success is falling asleep at night with a smile on your face because of a job well done.”





Caroline Pyle (r) with a little helper.

# Dominican Republic Mission Celebrates 25th Anniversary



This year, the Dental School participated once again in the annual summer mission to the Dominican Republic. The mission began 25 years ago, led by Frank Serio, DMD, MS ('86) and over the years has become a program that benefits those in need as well as dental students. Fourth-year student Emily Smythe participated this year and penned the following letter to friends and family recounting her experiences. She has graciously shared her letter and photos from the trip with Mdental.

*Dear Friends and Family,*

It's hard to believe that the summer is wrapping up. I would like to share my experiences in the Dominican Republic with all of you who helped make it possible. The group from the University of Maryland consisted of six 4th-year dental students and six dentists (both faculty and private practice) who worked together to treat patients in two rural mountain towns of western Dominican Republic. Nine of us, including myself, worked in El Cercado, the larger of the two villages located at the foothill of the mountains. Father John Cervini, a priest from the U.S. who has been in the D.R. for the past 7 years, scheduled each farming community a morning or an afternoon to come to be seen by "las dentistas." Prior to our arrival, the neediest people in each village were chosen by their church and

handed tickets to come see us for dental care. Each morning and afternoon, Father John would head out in his pickup truck to the farms to bring in our patients. A similar scenario was going on about 20 miles northwest in, Hondo Valle a mountain town on the Haiti border, where Sister Jane organized residents to come visit the three dentists stationed up there. While we had intermittent electricity in El Cercado, the folks in Hondo Valle were without electricity the entire trip. When we took a break from dentistry at night, talking with the residents, nuns, and each other, playing cards and visiting the many pool halls, occupied most of our time.

We were able to treat over 600 patients, pull 1,200 teeth, provide 200 fillings, and make 60 partial dentures for the people in El Cercado and Hondo Valle. In the U.S. our total services provid-



Hunter Gickling has fun with Domingo, a resident of El Cercado

ed would translate to about \$250,000 worth of dental care. Not only were we able to provide dental services to the most underserved residents, but we were also given the opportunity to visit the campos (farms) where they lived and begin to understand that having food, water, and a tin roof is considered fortunate. Peace Corps volunteers in the area have been setting up aqueduct systems to provide running water and building homes with cement floors and tin roofs to replace dirt floors and palm roofs. We stayed at a church, where Father John Cervini, several nuns, and numerous parishioners were gracious enough to provide us with meals, beds, laundry, and all the Pringles and Oreos we wanted.

Our clinic was set up in the meeting hall of the church. The large room provided plenty of space for two 8 ft. folding tables where we pulled teeth, two portable dental units that were run on a generator, a station to make partial



Tyler Shiner, Rob Leale, Caroline Pyle, Jenny Pohlhaus, Hunter Gickling, and Emily Smythe. Melanie Thompson (not pictured) also accompanied the group.



Two teenage assistants bid farewell to Emily Smythe at the anniversary dinner



Emily performs an operative procedure with the help of a flashlight.

dentures and a washing station. The two portable dental units and chairs have been purchased by the project over the course of the years and were brought on the plane with us. When pulling teeth we sat on the table with our patients' heads in our laps with our teenage Dominican assistants holding flashlights for us. While the majority of treatment revolved around pulling teeth, the portable dental units provided a nice opportunity to provide preventative care so that teeth did not have to be pulled. Many children and teens received sealants and fillings. Unfortunately, many of the people from the surrounding campos that visited us daily had never seen any dental care and therefore needed many teeth pulled. With all the hardships that they face, dental pain is only a small part of their lives. Some villages on the other hand, sent people that needed many fillings and fewer extractions because they are seen year after year when the project returns. A common question I get is, "Were the people numb?" Yes. We are not barbaric and brought plenty of anesthetic to keep our patients comfortable. In addition, we provided all patients with medications such as Tylenol, Ibuprofen, antibiotics, and other needed medications.

At the end of our stay, the parishioners and the children that helped us threw a going away, thank you party. It was also a milestone for the Dominican Republic Project, which celebrated its 25th anniversary. The girls danced for us, the boys played guitar and sang, the nuns prepared a big feast, and to top it off, we all got free lesson in Latin dance. The gratitude, appreciation, and hospitality they showed was amazingly touching and one of the most fulfilling experiences of my life.

Please enjoy the enclosed pictures and see the recently published article at: <http://www.licatholic.org/archive/071906/Dental%20Missionaries.htm>. Thank you for your generosity and support that allowed another year of this trip to be possible.

Sincerely,  
Emily Smythe  
Senior Dental Student

# Concept to Completion... And Perfecting Everything in Between



live television shows

Since 1992, VPC Inc. has been getting the job done. From hospitality functions to corporate meetings; from sporting events to concerts; from design to project management, our work is our "On-Air" resume. In a field where an audience can reach thousands or even millions of people, perfection is essential.

## Event & Multimedia Production

- Content Producers
- Production and technical staffing
- Coordination of all vendors
- Scripting
- Stage management
- Video, audio, and lighting production

branding events with production and décor



## Technology Services

- Programming
- Design
- Bid Documents
- Project Management
- Integration
- Commissioning



control room design

## A Sampling Of The Events We've Produced

- UMB New Dental School Grand Opening
- UMB Founder's Week Gala
- UMB Spring Commencement
- GBC Annual Meeting
- Health Care Heroes Awards
- Maryland's Top 100 Women
- Ed Block Courage Awards Foundation Television Auction



## Making A Difference

**410.526.9100 • [www.vpcinc.net](http://www.vpcinc.net)**  
224 Business Center Drive Reisterstown, Maryland  
Platinum Sponsor of the Dental School Grand Opening Events

**BALTIMORE COLLEGE OF DENTAL SURGERY  
DENTAL SCHOOL  
UNIVERSITY OF MARYLAND, BALTIMORE**

## MISSION

The Baltimore College of Dental Surgery, Dental School, University of Maryland, Baltimore, seeks to graduate exceptional oral health care professionals, contribute to the scientific basis of treatments for diseases of the orofacial complex, and deliver comprehensive dental care. These accomplishments will promote, maintain, and improve the overall health of the people within Maryland and have a national and international impact.

## FUTURE VISION

*As we strive to achieve our goals, we envision the future:*

Reflecting on its heritage, the Baltimore College of Dental Surgery, Dental School, University of Maryland, Baltimore, will join in full partnership with other campus entities. The resulting multidisciplinary ventures will contribute to our prominence in scientific discovery, scholarly activity, and service to the community. Global outreach efforts of faculty, students, and staff will be mutually rewarding. An atmosphere of collegiality and intellectual stimulation will prevail, nurturing students, faculty, and alumni.

Administrative support will help foster creativity and responsiveness to a range of opportunities. The School will create and maintain an organizational structure that enhances our ability to achieve our goals. Students, faculty, and staff will provide the highest quality oral health care. The world's first dental college, established in the 19th century, will take its place as the premier dental school of the 21<sup>st</sup> century.

### DENTAL SCHOOL ADMINISTRATION

#### DEAN

Christian S. Stohler

#### ASSOCIATE DEANS

Ward L. Massey  
Academic Affairs

John Sauk

Research, Administration, and Training

Margaret Wilson

Professional Programs

#### ASSISTANT DEANS

David L. George  
Planning and Finance

Patricia E. Meehan

Admissions and Recruitment

#### EXECUTIVE ASSISTANT TO THE DEAN

Wilhelma Garner-Brown

#### DEPARTMENT CHAIRS

Ronald Dubner  
Biomedical Sciences

Ashraf Fouad

Endodontics, Prosthodontics, and Operative Dentistry

Jacquelyn Fried

Dental Hygiene Director

Stuart Josell

Orthodontics

Robert Ord

Oral-Maxillofacial Surgery

Mark Reynolds

Periodontics

John Sauk

Diagnostic Sciences and Pathology

Norman Tinanoff

Health Promotion and Policy

#### DEVELOPMENT

Mary Champion

#### DIRECTORS

Michael Belenky  
Global Maryland/International Programs

James Craig

Information Technology

Regina Davis

Communications

Gary Hack

Simulation Research

Kenny Hooper

Continuing Education

Mark D. Macek

Instructional Evaluation

Katherine McManus

Facilities

Warren Morganstein

Dean's Faculty



MATT WARGO



THADDEUS LOGAN



**UNIVERSITY OF MARYLAND**  
**DENTAL SCHOOL**

Baltimore College of Dental Surgery  
University of Maryland  
Communications Office  
650 West Baltimore Street  
Baltimore, MD 21201

Nonprofit Org.  
US Postage  
PAID  
Baltimore, MD  
Permit No. 4429