

gator dentist^{TODAY}

A Publication of the University of Florida College of Dentistry Winter 2005/Annual Report



HOOKED on
TECHNOLOGY



As we progress into spring 2005 I thank all of you who have contributed to the many successes of the College of Dentistry in 2004. We have a lot of great things happening at the college!

In 2004, we admitted 83 top pre dental students for admission from a pool of nearly 1,000 applicants. Of this freshmen D.M.D. class, 35 are women and 19 percent list themselves as ethnic minorities. These talented students have settled into the D.M.D. curriculum and are already proving themselves in our program.

The college's graduating seniors of 2004 also proved themselves by achieving the highest first time pass rate of the last seven years on the June Florida Dental Licensure Exam. Sixty-five of 71 grads who took the exam passed, representing a "first attempt" pass rate of 92 percent – the highest for the college since 1997, when 97 percent of UF grads passed.

We can also be proud of the college's No. 4 ranking among the 56 dental schools in the United States in federal funding for research. We are nationally recognized for our oral health research enterprise, which can only be enhanced by a \$2 million NIH Research Infrastructure award received this year. The NIH award, when combined with state match, provided a \$4 million infusion of capital to further develop the college's research enterprise and expand research faculty.

Teledentistry at UF is off to a great start with a \$1.5 million grant from the U.S. Health Resources and Services Administration. This award will facilitate installation of digital radiography in all college clinics, and will extend dental training and education throughout the state via videoconferencing capability in our community-based and partner clinics. Our first oral pathology virtual study group using the teledentistry videoconferencing capability was held Feb. 11 to rave reviews.

Another exciting initiative is the college's new 14,000 square foot dental clinic on the St. Petersburg College (SPC) Seminole campus. Groundbreaking began in December and the building is expected to be completed this August. Needless to say, we eagerly anticipate our newest community-based clinic.

All in all, 2004 was great. I'm looking forward to the challenges and opportunities of 2005, and I thank you for joining me on the journey.

My best wishes to you and your family in 2005! ♦

Teresa A. Dolan, D.D.S., M.P.H.
Professor and Dean

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7



13



14



16



27

features

HOOKED ON TECHNOLOGY

7 Predicting Bright Smiles

Computer modeling leads the way

9 Hip with High Tech

To the delight of students, orthodontic case review gets with it

10 Dawn of the Digital Practice

Traditional offices learn new tricks of the trade

11 New Expressions

Genomics puts a twist in research technology

12 Future Tense

Teledentistry goes hi-tech to expand dental education

profile

16 Monroe Farber

A lifetime of service

departments

5 In Brief

13 Research

20 Students

28 Faculty

31 Alumni

31 CE Courses

calendar

See back cover for 2005 Events.

CONNECTIONS



■ education

D.M.D. students' academic credentials, performance and postdoctorate plans

■ research

Sponsored research funding awards, sources, status and projects

■ service

Patient care, community education and outreach

■ building for the future

Completed construction, future projects and sources of project funding

■ honor roll

Individual and organizational support

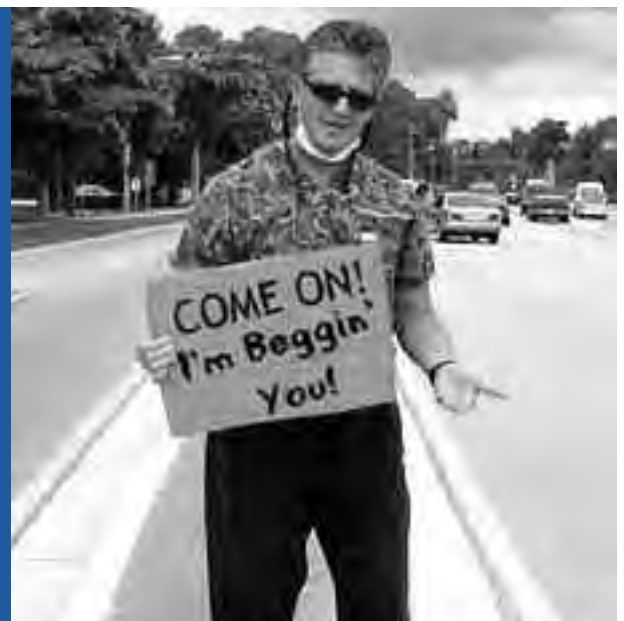
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IN BRIEF

ADEA Holds Historic Collaborative Forum on Predoctoral Dental Curriculum

WASHINGTON, DC—In an unprecedented meeting held on Oct. 14, representatives of the primary groups involved in predoctoral dental education gathered to discuss whether major curricular reform is needed, what those reforms should be, and how they should be implemented. Although curriculum reform is often debated within the various groups, this meeting was significant in assembling representatives of each to launch what is expected to be a lengthy and comprehensive process that will change how future dentists are educated.

The American Dental Education Association organized the meeting and hosted it at the association's offices in Washington, DC. Other groups represented were the American Dental Association (ADA), the ADA's Commission on Dental Accreditation, the ADA/ADEA Liaison Committee on Surveys, the ADA's Commission on National Dental Examinations, and the ADA's Council on Dental Education and Licensure. Attendees also included five current and two former deans of U.S. dental schools, as well as representatives of the ADEA Council of Sections, whose task force on foundation knowledge guidelines helped precipitate this meeting. Other invited participants included a number of prominent dental educators who have been leading voices in discussions of curriculum reform.

The participants came to a consensus on three main points: there is a need for substantive and fundamental changes to the predoctoral dental curriculum; the timing is right to launch this process now; and the process must involve all facets of dentistry, from education through national board testing, licensure, and practice.

Next steps for this enterprise will be worked out in the next months, grounded on the extraordinary consensus among these key players on the need to move forward.

For more information, contact Lynn Whittaker at (202) 289-7201 or whittakerl@adea.org

ADEA Admissions Workshop

ADEA administrators visited UFCD Dec. 10 for an admissions workshop. ADEA Senior Director for Professional Development David Brunson and Anne Wells, ADEA's associate executive director for application services, conducted the workshop to explore diversity and admissions committee issues. Representatives of UF's dental student body, faculty and administration attended the workshop at the invitation of Associate Dean for Admissions and Financial Aid Venita Sposetti.



College Symposium

Dentistry in the Post-genomic Era

The College of Dentistry hosted an academic symposium Sept. 9 in celebration of the inauguration of the University of Florida's 11th president, Dr. Bernie Machen.

The symposium, entitled "Dentistry in the Post-genomic Era: Where we are and prospects for the future," featured panel discussion from college faculty and one resident on the impact genomics has made on the study and understanding of oral health and disease.

More than 250 guests, faculty and students attended the symposium to listen to presentations from the college's clinical and basic science faculty. Presenters spoke on the varied aspects of genomics in their fields of study, ranging from understanding – and perhaps one day preventing – the underlying causes of craniofacial

anomalies, systemic interactions with oral diseases, restoring dental health to ectodermal dysplasia patients, and developing new bacterial strategies to prevent dental caries and other infectious diseases.

Keynote speaker David Wong, D.M.D., D.M.Sc., professor and chairman of the UCLA School of Dentistry, Division of Oral Biology and Medicine, was the concluding presenter, speaking on the emerging field of salivary diagnostics in detecting and treating systemic diseases. ♦

Above: Dr. David Wong addressed the symposium audience on the emerging field of salivary diagnostics. Scientists are now learning that saliva serves as a "mirror to the body," and that biomarkers for systemic diseases and conditions may appear in the saliva before clinical conditions are manifest.



Meeting of the Minds

UF Dean Teresa A. Dolan (left) and Medical College of Georgia School of Dentistry Dean Connie L. Drisko enjoyed a meeting of the minds during Drisko's Oct. 6 visit to UF. Dolan and Drisko – two of a handful of woman dental school deans in the U.S. – have agreed to establish a collaborative relationship between the two institutions to facilitate exchanges of various research projects, visiting professors and students.

Drisko was at the college at the invitation of Gregory Horning, UF professor of periodontology, to deliver a Dean's Seminar Series presentation entitled, "Educating the health-care workforce in interdisciplinary, health-oriented, information-driven models of care." The presentation highlighted recent discoveries in the relationships between systemic diseases and periodontal disease.



hooked on technology

BY LINDY MCCOLLUM-BROUNLEY

Ask 100 people to describe technology, and you'll get 100 different answers. Technology represents different things to different people. The truth is that technology impacts each of us according to our needs, yet has transformed us collectively to the point that we have difficulty functioning socially and professionally without it. It has become such a fixture in our daily routines that we often fail to recognize it for the wonder that it really is. That, at least, has become my perspective while researching the various ways in which technology has changed – and is changing – the manner in which the College of Dentistry conducts its business of education, scientific discovery and service. Technology is at work everywhere in the college, as it is in the dental profession. Its impact, while sometimes subtle, is profound in its ability to bring change. What does technology mean to you?

PREDICTING BRIGHT SMILES

A hundred years ago, the orthodontic specialty of predicting, planning and implementing tooth movement was a radical development for dentistry. Today, it's the amazing digital devices and software at the specialty's fingertips that are revolutionizing orthodontic education and treatment.

Like it or not, the computer age is shaping orthodontics at a meteoric rate, and digital technologies that seemed far out a few years ago are commonplace in practice and curriculum.

"Right now, all our patient study model impressions are sent to Orthocad for digitization," said Timothy Wheeler, D.M.D., Ph.D., professor and chair of UF orthodontics. "Rather than having rooms and rooms filled with study models, we now have 3D digital models that we store electronically."

Just as with stone models, students can explore the digital models of each arch from every angle using the Orthocad software. Dolphin Imaging software is used in the college's ortho clinics to warehouse patient records, make cephalometric tracings and measurements, develop treatment plans and track treatment progress.

Cephalometric films are scanned to be stored electronically, but Wheeler expects the college will have the facilities to produce 3D digital models of the whole head using Cone Beam comput-

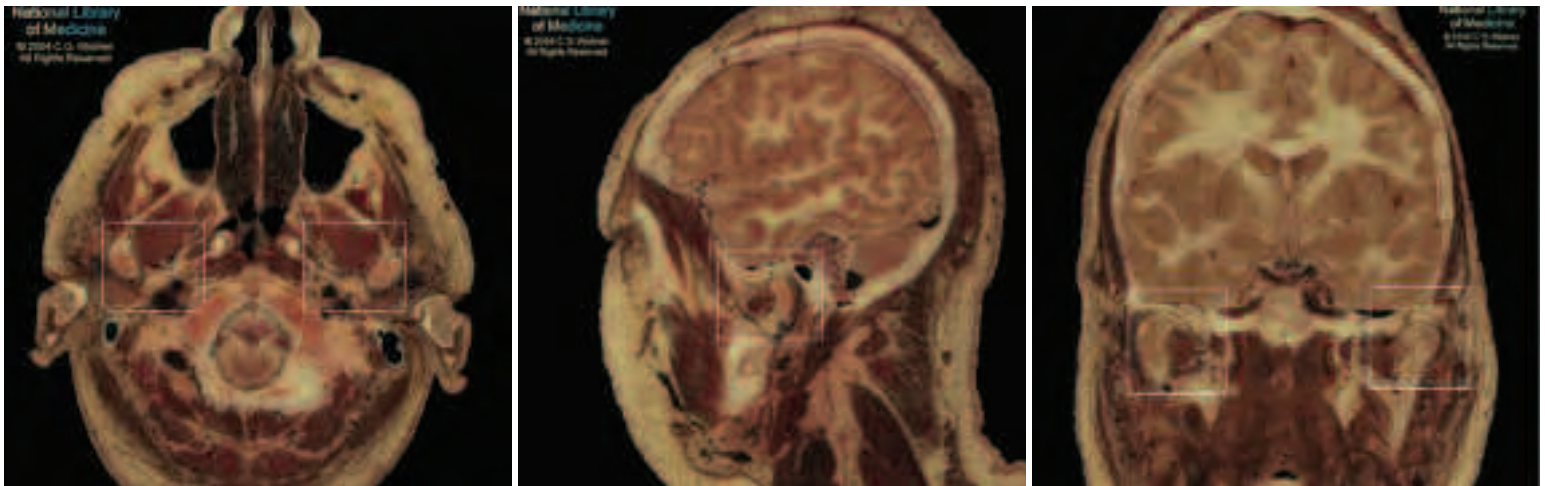
ed tomography (CT) imaging within the next two to three years.

"That will open a whole new area of research and better treatment planning," Wheeler said. "Especially when you have patients with craniofacial problems or if you're doing some of the more advanced implant or prosthodontic treatments."

With a 100-patient Invisalign® study recently completed, Wheeler is an old hand at using technology in orthodontic treatment. His work with Invisalign's ClinCheck® 3D treatment modeling and progression software and the company's innovative manufacturing process has given him a great appreciation for the novel applications of technology.

"All our photographic and radiographic images are transferred to Invisalign® digitally, with the exception of the impression," said Wheeler. "The impression is sent to the company which uses CT technology to produce a very detailed 3D model. That will probably change in the near future, too, because other companies are developing digital teeth scanners that use a wand-like instrument to go around the teeth. Right now, they aren't as precise as an impression and they take longer, but, still, I think the technology will be there in two or three years."

Wheeler's next project is a research study of tooth manipulation using biochemical control. He predicts this will be the next big technological leap in orthodontics.



Dissection is another area where students seem to learn best through hands-on, but that could change with the introduction of computerized 3D modeling of head and neck anatomy under development at the college.



Above: Comparisons of computerized projections to actual photos of a single patient's bite at different phases during orthodontic treatment demonstrate the very high accuracy that can be achieved using computer modeling software to predict tooth movement. (IMAGES COURTESY OF TIMOTHY WHEELER)

Top of page: In the future, 3D computerized models of head and neck anatomy will be developed from the transectional data set of the Visible Human Project. Note the temporomandibular joint revealed in each aspect of the data set. (IMAGES COURTESY OF CHARLES WIDMER)

"Until now, orthodontics has consisted of applying a force to a tooth which results in movement. There has been very little consideration of biology in the process," Wheeler said. "Our study will attempt to manipulate the biology of tooth movement with local application of drugs which could result in better outcomes and shorter treatment times."

Wheeler is comfortable with the role of technology in practice and in the classroom, but he says students must first learn the basics the old-fashioned way.

"I think students learn better in the beginning if they trace the landmarks and anatomy by hand," Wheeler said. "I'd equate it to teaching math using longhand rather than going right to a calculator."

Dissection is another area where students seem to learn best through hands-on, but that could change with the introduction of computerized 3D modeling of head and neck anatomy under development at the college.

"Not only are cadavers for class dissection becoming more scarce, but dissection requires the superficial structures be flapped away – removing them from anatomical context and sometimes destroying them," said Charles G. Widmer, an associate professor of orthodontics.

Using the transectional female head data set of the National Library of Medicine Visible Human Project, Widmer

has developed two-dimensional QuickTime movies of front and side aspects that give the residents who use them an insider's view of the human head they can't get with dissection alone.

Widmer's next step is to develop 3D digital computer movies of the head and neck that will allow students to view labeled anatomical features and their three-dimensional relationships to other structures – specific structures such as the temporomandibular joint, for instance, could be examined in relationship to the musculature and disc from every angle. His 3D project will take time and money, but holds the promise of providing students with new insight into head and neck anatomy never before achieved by standard anatomy texts or dissection.

As with most other influences of life in the electronic age, today's students' perceptions and cues for treatment and planning methods come from the digital image – they'll probably never handle a stone model, and perhaps one day will dissect only virtual cadavers. Yet Wheeler is confident the quality of orthodontic outcomes for their patients will meet traditional standards.

"They're learning a little bit differently, from a different type of modality, and it's a big change," Wheeler said. "But we get them to the same place.... That hasn't changed." ♦

To the delight of students, orthodontic case review gets with it

Clark Hodge is an orthodontist who should have gone into comedy. His quiet drawl delivers funny one-liners and entertaining stories in the finest tradition of Samuel Clemens. He is an outgoing man, and his easy southern charm is utterly engaging.

"Six years ago, I was 62 years old and received my first Social Security check," Hodge said. "I got a letter from Timothy Wheeler (chair of UF orthodontics) asking me if I was interested in teaching part time. My daughter said, 'Daddy, you ought to do that.' I pulled the letter out of the trash and showed it to my wife, B.J., and she said, 'Yeah, you should do it.'"

Hodge had been an orthodontist in Gainesville for 40 years. When he received Wheeler's invitation, Hodge was already slowing his practice and beginning to contemplate what he might do for retirement. Teaching part-time in the university's Department of Orthodontics seemed like a pretty good way to ease into retirement. In 1998, Hodge joined the College of Dentistry's faculty with the intention of teaching for a year or so until a full-time orthodontic faculty member could be recruited. He's stayed for more than six years.

Teaching students was a new adventure for Hodge – but, it did have its challenges. In preparation for one of Hodge's classes, students needed to have access to orthodontic patient records from the college's orthodontic clinic. They checked out the case records from the clinic several days before Hodge's class, and returned them afterward.

"You can imagine, those records got returned pretty beat up," Hodge said. "Pages all dog-eared and models broken."

Hodge and Wheeler came up with the idea to develop an interactive digital case library to reduce the wear and tear on patients' paper records. Hodge, with help from the college's instructional resource staff, developed a program that students could access Online.

"The first prototype was Web-based, and it worked, but not well," Hodge said.

For the second phase of the case library development, Hodge envisioned an interactive CD-ROM containing selected cases from the orthodontic clinic to illustrate the basic concepts of orthodontic diagnosis and treatment.

Despite his self-deprecating statement of being "an analog guy trying to get along in a digital world," Hodge familiarized himself with the Macromedia program, Flash, to develop a digital library of 25 orthodontic cases on CD-ROM.

When the orthodontic digital case library CD debuted in spring of 2004, it was a hit with the seniors in Hodge's class.

"Before the CD, we had to check out charts and borrow models from the ortho department," said Marci Berger ('04).



Clark Hodge

"I liked the new digital library because it has complete information and photos for each patient, which makes it much more clinically relevant, and, I didn't have to worry about the ortho department closing and not having a case to present."

The new Flash format is programmed to be intuitive and is very simple to use. Once loaded into the computer, the disk opens the program to show a list of cases. Select a case and the record displays on the screen initially as front and side view photos of the patient's face. Tabs at the top of the screen allow the user to open other records in the case, such as history, panoramic radiographs and cephalograms, cephalometric tracings and measurements, and exterior and interior e-model views of the patients' bite. As the cases age, treatment outcomes are added to the files.

Eventually, everything that would normally be found in the actual patient record, with the exception of personal information such as name, contact and social security information, will be placed in the library for each of the cases.

Whether or not the cases are replaced with new ones as they age will be up to the next guy, Hodge says. After more than six years at UF, he's ready to retire for real. Once again, the department is recruiting new faculty and Hodge is pondering what to do with his time after retirement. His tennis game and real estate business need his attention, but Hodge has got other ideas about retirement that have better punch lines.

"I used to think about being a bag boy at Publix," Hodge joked. "But, then I got to watching and that's heavy lifting! I've decided to go to Wal-Mart and be a greeter instead." ♦

Traditional offices learn new tricks of the trade



Jay Garlitz

Dentistry and dental practices are in a state of technological evolution. Offices using traditional fixtures like accounting pegboards, radiographic film, and, in some instances, even drills, are giving way to a new breed of practice. This new species uses technology as a competitive advantage – implementing sophisticated computerized accounting and patient charting systems, digital radiography, digital intra-oral cameras, lasers and a whole host of dental materials, practice management and surgical techniques barely conceived of 15 years ago.

As a profession, dentistry's come a long way, baby.

"I think the first purchase I made coming out of dental school was a curing light," said Jay Garlitz ('82). "That was modern and impressed everybody. But it was very useful and I wouldn't have wanted to go into practice without it."

Now days, Garlitz' Hawthorne, Fla. practice is probably more technologically advanced than most – utilizing a completely integrated computerized system of paperless charts, digital radiography and intra-oral cameras, as well as in-operative work stations – but his ruler remains practicality and efficiency.

"Technology is not razzle-dazzle to impress people," Garlitz said. "It does impress people, but that's not what it's for... For me, it's all about communication."

"I probably get more use out of digital radiography than any other electronic tool in the office," Garlitz said.

After years of being dissatisfied with viewing radiographic films with his back turned to his patients, Garlitz now shares digital radiographic images with patients on computers installed in each operatory especially for the purpose.

"They see it, they follow it, they track it, and they don't have to be a dentist to do that," Garlitz said. "With digital radiography, they know it's the genuine article and that there's a real diagnosis going on. They feel part of the equation."

For Plantation dentist, Steven Bogdanoff ('80), the need to improve patient care is the drive behind the use of technology in his practice.

"You really have to constantly look around and say, 'What can I improve?'," said Bogdanoff. "What's out there that is going to improve the quality of my work?"

Bogdanoff feels dentists and physicians have an obligation to keep themselves abreast of the latest technologies.

"When I was a child, my mother lost her eye to disease," Bogdanoff said. "I'll always remember when I was at the doctor's office with her a year later and the doctor said, 'We have the technology now that could have saved your eye.'"

Reading up on the subject years later, Bogdanoff realized that the technology had been available when his mother needed it, but the physician hadn't been aware of it at the time.

"I made a promise to myself after that to do my own research and to try to stay ahead," Bogdanoff said. "If you wait until you read something in the paper or Harvard Medical School tells you about it, you can be three to five years behind the curve."

Patients in Bogdanoff's practice benefit from his commitment to staying abreast of technological innovations. His office uses lasers, digital radiography and a CEREC crown milling machine. Bogdanoff feels these technologies give his patients a sense of security regarding the quality of care they are receiving,



Steven Bogdanoff

but also enable him to provide more conservative dental treatment.

"From the dentist's point of view, technology decreases the stress for the dentist," Bogdanoff said. "It increases predictability and the quality of your work."

Both Garlitz and Bogdanoff use the Caesy Smile Channel in their reception areas but they differ in their approach to patient management in the operatory. Garlitz uses the computers installed in his operatory to educate patients about and involve them in their treatment plans; Bogdanoff's goal is to help patients relax in the dental chair by providing in-operatory movies, but he also has computers in the room stationed at the patient's eye-level.

Although very different, both styles are successful and contribute to happy patient outcomes, just as different uses of technology do.

"I don't know what the definition of a hi-tech practice is these days because what is hi-tech to one may not be to another," Garlitz said. "In my case, we're talking about a computerized digital office, but another may use CAD/CAM CEREC machines to make crowns right in the office, or they may use lasers. There's not just one marketing persona for hi-tech."

New technologies are introduced every year, clanging onto the market with bells and whistles designed to position the products as "must-haves." Just because something is new and improved, however, doesn't mean it will increase the quality of care for patients.

"I own the reputation in Plantation for being the hi-tech dentist," Bogdanoff said. "But it's got to be cost effective too. It's got to make sense, and some things don't. Patients understand that; they don't want to pay twice as much for something if there isn't a tremendous benefit for them."

Garlitz echoes that sentiment, and believes dentists should carefully plan how technology is implemented in their practices.

"Technology is part of our daily routine," Garlitz said of his practice. "It's what we use to be efficient and we've been very careful with how we've done it. We use a full spectrum of electronic aids, but they've been introduced in stages and they integrate fully with each other. We didn't just flip a switch one day and have an integrated system."

The key to the wise use of technology for both men is to stay informed and to learn from the experiences of other dentists. They agree that their classmates are their greatest resource, as well as networking with other dental professionals at meetings and on the Internet.

"Communicating with other dentists is the only way you're going to thrive and learn," said Garlitz. "If you do that on a regular basis, you're going to add to your professionalism and that will benefit your practice and your patients." ♦

Genomics puts a twist in research technology

Most of us are baffled by the techniques and terms scientists use in the study of genes... Microarrays for instance. What in the world is a microarray? What does it do?

At the college's September symposium, Dr. Richard Lamont described microarray technology in terms even I can understand. I'm here to share that description with you – with a few additions from Dr. Martin Handfield and the Online *2can Bioinformatics Educational Resource*, located at <http://www.ebi.ac.uk/2can/>.

Basically, a microarray is a glass slide on which strands of DNA molecules have been robotically applied in rows of tiny little "spots." (Yes, folks, "spot" is the technical term.) For gene expression studies, each spot is a grouping of identical DNA molecules representing a specific gene. There can be families of very similar genes, which sometimes complicate matters, but the spots, ideally, should contain DNA from only one gene.

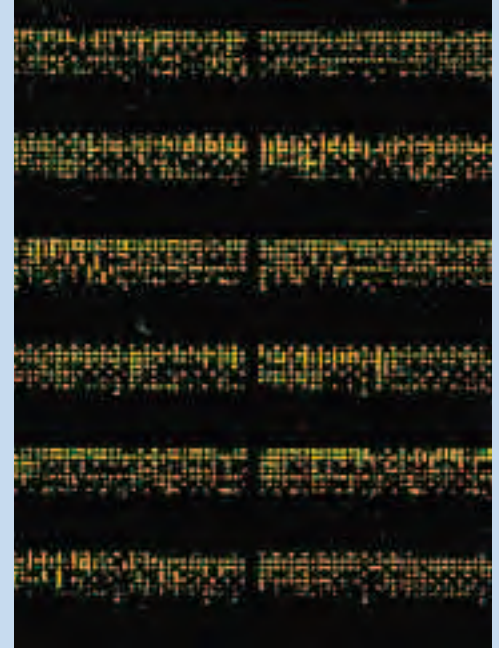
Generally, microarray slides are one square inch and each spot is about 0.1mm in diameter. To give you an idea of the spot size, the shaft of a typical human hair is roughly .75mm in diameter; so one microarray can contain thousands of genes.

Genomic researchers are systematically mapping genes in many different species and are just now beginning to understand how these genes interact with each other and their environments. The human genome is estimated to contain 20,000 to 25,000 genes, whereas a bacteriophage can own as few as three. Microarrays are one of the technologies researchers can use to document how all of the genes of a given genome are simultaneously expressed under different conditions – for instance, comparing active genes in healthy human oral epithelial cells to those diseased by periodontitis.

To do this, cDNA must first be extracted from healthy (condition 1) and diseased (condition 2) cells and labeled with fluorescent dye. A more accurate description of this is "synthesizing single-stranded DNAs that are complementary to the extracted cDNA by an enzyme called reverse transcriptase"... but, we don't want to go there.

The microarray is then bathed with the dyed cDNA, and like attracts like – cDNA in the fluorescent bath bond with their brethren in the spots. The more identical in nature are the dyed cDNA in the bath to the DNA contained in the spots, the greater the fluorescent effect will be, allowing scientists to see which genes turned on (expressed), turned off (repressed) or remained at the same level of expression when the fluorescence on the microarray is excited by a laser.

At the risk of oversimplifying, visualize a gene's behavior as the volume control on your TV; on the microarray, spots turn red and the volume is high if the gene "expresses" when exposed to conditions 1 or 2 – in our example, healthy cells (condition 1) versus cells diseased with periodontitis (condition 2). When the spot is



A glass slide microarray, or gene chip, shows expression levels for the approximately 2,000 genes of *P. gingivalis* in response to a specific condition – in this case a *P. gingivalis* compared to a *P. gingivalis* mutant for a single gene). (Image courtesy of Sally Yuan and Martin Handfield)

green, it is "repressed" and the volume is turned down low. If the spot is yellow, the gene is expressed under both the healthy and diseased conditions equally, so the volume hasn't changed. If the spot is black, the gene did not find corresponding genetic information in the cDNA bath and the TV is, essentially, turned off.

You can imagine this genetic sound control at the cellular level as an oral epithelial cell expressing defensive genes to protect itself from an invading *P. gingivalis* bacterium, which is, itself, strategically expressing and repressing genes while on the offensive.

To understand which genes are expressing and under what conditions on the microarray, fluorescent intensity is measured using a process called image quantitation. Image quantitation requires sophisticated computer software to process the enormous amount of data on the microarray, and the database it yields allows researchers to look for patterns in genetic expression. The patterns are called "pathways," and they reveal behavior of specific genes under specific conditions.

Regardless of how scientifically elite the study of genetics may be, it has direct relevance to the everyday lives of ordinary people. Genomics are allowing researchers to better understand pathways of infection, to develop more effective drugs and disease/insect resistant food crops, and possibly one day could even lead to the prevention of inheritable diseases.

It's all in a day's work for the misunderstood microarray. ♦

Teledentistry goes hi-tech to expand dental education

The “Jetsons” was a wacky, Saturday morning cartoon mainstay that first hit television airwaves in 1962. In the cartoon, George Jetson commutes to work in a space car that folds into a suitcase; his wife, Jane, cleans house with voice-controlled, robotic appliances invented by their son, Elroy; and the Jetsons’ teen-aged daughter, Judy, talks with her girlfriends non-stop on the family’s “Visaphone,” a space-age cross between a telephone and a TV.

Some things never change, but who could have predicted Jetsonesque hi-jinks would ever really exist? We don’t have cars that fold into suitcases for compact parking but the Visaphone is a hi-tech reality today thanks to the Internet and videoconferencing technology.

Internet Protocol (IP) allows videoconferencers to simply type in an IP address – a computer’s unique Internet identification number – and connect. Once the connection is established, live video, audio and other multi-media materials can be transmitted instantly to distant receivers anywhere else on the planet.

“It’s a matter of exchanging something similar to a phone number, but it’s a network number,” said Linda Kubitz, the UF College of Dentistry’s coordinator of distance learning. “So you just exchange numbers and literally dial each other up and there you are.”

Kubitz oversees the college’s IP videoconferencing (VC) suites, which have been used in a distance learning capacity for the past two years in its community-based clinics. The suites are networked between the main campus and each of the clinics in Jacksonville, Tampa, St. Petersburg, Apopka and Hialeah and they are routinely utilized to deliver live lectures to clinic residents from main campus faculty and for interclinic grand rounds where residents share patient treatment planning and outcomes with each other. The community-based clinics, separated by hundreds of miles, also hold regular face-to-face staff meetings using the suites.

Now, this VC capability is at the heart of the college’s teledentistry project, which aims to equip every UF dental clinic with digital radiography and portable videoconferencing capability. Bolstered by big ideas and a \$1.5 million grant from the

U.S. Health Resources and Services Administration, the college is developing its teledentistry program with the ultimate goals of enhancing educational opportunities and improving patient care.

“What we’re doing here is connecting people,” said Boyd Robinson, D.D.S., director of community-based programs. “An oral pathologist here in Gainesville, for instance, could utilize the mobile VC carts to assist a private practitioner in Miami in diagnosis and treatment planning of a patient’s oral lesion. That is an efficient use of college resources that provides a real service to the patient and the practitioner.”

Dentistry Dean Teresa A. Dolan envisions the college’s teledentistry project opening doors to long-distance education, expert consultations and other patient care opportunities never before considered.

Portable videoconferencing carts could be taken into nursing homes, public health centers or schools anywhere in the state to capture and share images of patient conditions with specialists back on the Gainesville campus. Web-based learning opportunities for continuing education, virtual study groups and patient record portability are all on the college’s event horizon, thanks to videoconferencing technology.

“I think it’s important not to lose sight of why Congress supports teledentistry initiatives through these HRSA grants,” said Dolan. “It’s not so we can buy new toys. It’s so we can find more cost effective ways of both educating prac-

continued on page 33...



Oral pathologists Donald Cohen (left) and Neel Bhattacharyya (right) examine a magnified and sharply focused digital image of diseased oral tissue. UFCD's oral pathologists utilize Teledentistry's VC capabilities in the college's community based and partner clinics to provide expert consultation and continuing education across the state. Their first Oral Pathology Virtual Study Group was held Feb. 11, connecting Dr. Neel Bhattacharyya in Gainesville, who gave an interactive presentation on Burning Mouth Syndrome, with CE participants at the college's St. Petersburg and Hialeah clinics.

www.dental.ufl.edu/technology

Unequal Care

Study finds racial disparities in oral cancer treatment, survival

BY LINDY MCCOLLUM-BROUNLEY

Black men battling oral and throat cancer in Florida don't live as long as their white counterparts and are less likely to undergo surgery necessary to optimally treat the disease, a UF study reveals.

"What we found is that African-American males in Florida died 44 percent earlier than did white males, and were also more likely to receive only radiation therapy and not surgery than were whites," said Scott Tomar, D.M.D., Dr. P.H., an associate professor in the division of public health services and research at UF's College of Dentistry.

The study, published in the August 2004 edition of *Cancer Causes and Control*, is one of the nation's first state-specific reports of racial disparities in treatment and survival of the deadly disease. On average, black men in the study died a year sooner after diagnosis than white men — a finding consistent with national data showing that white men are twice as likely as black men to survive five years after diagnosis, Tomar said.

"Our study is unique in that it looks at state-specific data for oral and pharyngeal cancer treatment and mortality," Tomar said. "This eliminates a great amount of regional variation in the data. Previous studies that have attempted to look at issues of racial disparities have used samples of people from around the country, and they mixed geographic differences with racial differences, making it difficult to understand what might be happening differently for blacks than for whites."

Nearly 30,000 people are diagnosed with oral cancer in the United States every year, according to the National Cancer Institute.

Although the number of cancer cases in general has steadily declined during the past 10 years, black men historically have been disproportionately represented in the number of new cases, and their survival rates are dismal compared with those of white men and of women of both races.

Florida was of particular interest to Tomar because of its disproportionate burden of oral and pharyngeal cancers — it has one of the highest incidence rates in the country and the fifth highest mortality rate. So high, in fact, that Floridians suffer more than double the number of deaths caused by oral and pharyngeal cancers than that of the top four states combined, Tomar said.

UF researchers examined data gathered by the Florida Cancer Data System on oral and throat cancer diagnosis, treatment and mortality for more than 27,000 Floridians between 1988 and 1998.

The researchers compared data only on black and white patients; individuals of other races were excluded from the study sample. The study's final sample size of 21,481 people included 19,331 white men and women and 2,150 black men and women.

"Black men historically have been disproportionately represented in the number of new cases..."

Analysis of the data revealed twice as many cases of oral and throat cancers diagnosed in men as in women. Most occurred in people 51 to 74 years of age, and the median age was 65 years — although blacks were significantly younger and poorer than whites at the time of diagnosis.

The study's most compelling evidence: The cancers of blacks were twice as likely to have spread by the time of diagnosis. However, regardless of tumor location or whether the cancer had metastasized, blacks consistently were less likely to undergo surgery than were whites.

Differences in survival rates were even more striking, with blacks having a median survival time of 360 days compared with 649 days for whites. Although the incidence rate for black and white men became nearly equal over the study's 10-year period, the disparity in survival time did not significantly change.

"There is this difference in how people are treated, and that contributes to the huge racial disparity in survival. Unfortunately, we just don't know why there are those differences," Tomar said. "Our next line of investigation is to begin to tease out some of the answers." ♦



Oragenics

Cavity-preventing mouth rinse gets FDA go-ahead for human testing

BY LINDY MCCOLLUM-BROUNLEY

Human testing of a mouth rinse that has the potential to provide a lifetime of cavity protection received the green light Nov. 30 from the Food and Drug Administration to proceed to clinical trials. This came after months of negotiations between the agency and the applying company, Oragenics, Inc., which holds license from the University of Florida for the technology.

Oragenics, located on the campus of the university's Sid Martin Biotechnology Development Incubator in Alachua, Fla., is one of the university's technology transfer success stories. Its founder, Jeffrey Hillman, D.M.D., Ph.D., is a professor of oral biology at UF's College of Dentistry, and replacement therapy is his life's work.

"It's never been a product for me," Hillman said. "The possibility that I could help people always interested me."

Hillman's replacement therapy could prevent most dental caries – tooth decay. Caries is caused by a bacterium called *Streptococcus mutans* that colonizes the tooth surface. For millions of years these bacteria have lived on our teeth without causing harm. But our modern, sugar-laden diets have upset the equilibrium and *S. mutans* is a bug gone bad – it gorges on the sugar in our food, dissolves tooth enamel with its lactic acid waste and leaves black pits of decay in its wake.

S. mutans has become one of the leading infectious agents on the planet, causing a worldwide epidemic of dental caries which the World Health Organization estimates affects 60 to 90 percent of all school-aged children and the vast majority of adults.

Hillman's idea was to create a harmless bacterium that would out compete the disease-causing strains of *S. mutans* naturally present on the tooth. He began tinkering with the genes of replacement therapy's main ingredient, a strain of the *S. mutans* bacterium, 25 years ago when he was an assistant professor at the Forsyth Research Institute in Boston. Further work refining his remarkable replacement bug was conducted at UF, and the university patented it as the "effector strain" in replacement therapy in 1996.

Replacement therapy is aptly named. Once it's swabbed onto the crowns of the teeth, Hillman's genetically modified effector strain of *S. mutans* acts like a bacterial hit man, killing off

its caries-causing cousins, the "wild-type" *S. mutans*, until it rules the roost unchallenged.

"Over time, our strain will displace the disease causing strains," Hillman said. "It may take six months to a year, but eventually our strain will kick out the disease-causing strain and take over the niche for *Streptococcus mutans*."

It does this by producing its own antibiotic substance, called Mutacin 1140. When the effector strain comes into contact with a competing *S. mutans* bacterium, it secretes the antibiotic, releasing just enough to kill its adversary without committing hari-kiri itself.

Although years of replacement therapy testing in rats showed no harmful side effects, the FDA was understandably leery of allowing a genetically modified bacterium to be tested in humans. Placing the company's Investigational New Drug application on hold in May of 2003, the agency waited to be convinced the bacterium could be eradicated if things went wrong. Oragenics developed that convincing argument spring of 2004 to win FDA approval in November, based on its Phase I safety testing protocol of using edentulous – or toothless – subjects who wear dentures.

"We've been working on eradication protocols as a fail-safe mechanism," said Oragenics CEO Chuck Soponis. "The FDA wants the assurance – if for some unexpected reason, something were to go wrong – that we could eradicate the bacterium. The only fail-safe mechanism, other than pulling everybody's teeth out, is to start with people who wear dentures."

During the Phase I testing, expected to begin in January, the replacement therapy will be performed by swabbing the Oragenics genetically modified *S. mutans* strain onto the denture teeth of 15 subjects,

10 of whom have denture-wearing spouses. The safety and genetic stability of the bacterium will be monitored over the seven-day course of the study, and the subjects closely watched for side effects. In addition, the subjects' spouses will be tested to see if the replacement therapy can be transferred from one adult to another, an event the

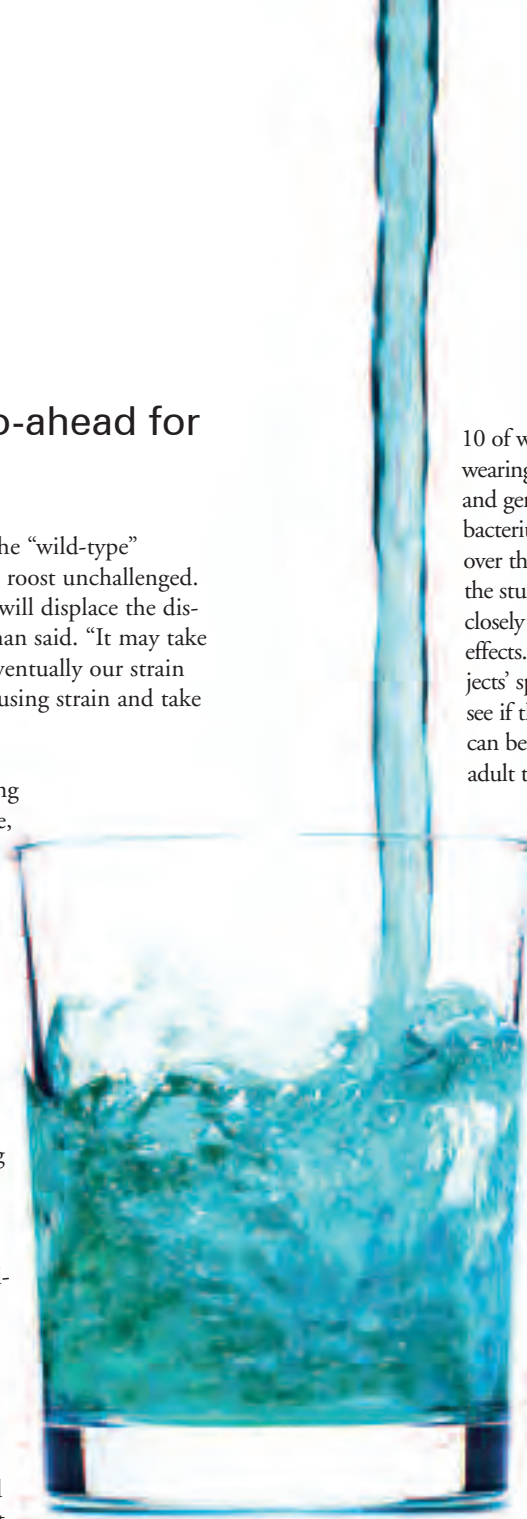
FDA would consider adverse but one Hillman thinks is unlikely.

"A child's, or infant's, mouth has a much less complex bacterial flora than an adult's mouth, so the transmission of *Streptococcus mutans* from mother to child occurs more easily than from adult to adult," Hillman said. "Once you hit the age of four, it's very hard to become infected with an outside strain of *Streptococcus mutans* because your plaque has become more complex and you

probably have already acquired a *S. mutans* strain."

He said inoculation with replacement therapy bathes the teeth in tremendous numbers of effector strain bacteria to jump-start colonization. Very soon afterwards, however, only a few hardy bacteria have survived to stake their claims for the long haul, and chances of their transmission from one adult to another are slim.

Nonetheless, at the end of the study, a 30-day eradication protocol using a chlorhexidine mouthrinse will be implemented to destroy the bacteria. Additionally, the effector strain used in the Phase I study will be hooked on daily infusions of the amino acid, D-alanine, in order to survive. When the subjects cease to swish with D-alanine, any cells of the effector strain remaining in the mouth will die.



“This whole business with eradication is simply to satisfy the FDA that if something bad were to happen, we could remove the strain from people’s mouths,” Hillman said. “Once we’ve established safety, eradication will no longer be a concern.”

It is anticipated that replacement therapy’s safety will be established during the Phase I testing, enabling Phase II and III studies to progress with effector strain bacteria engineered without the dependence on D-alanine.

That the company has cleared the first major hurdle in bringing replacement therapy to market is a source of obvious satisfaction for Sponis.

“When I first looked at this technology and talked to potential investors, they said the biggest risk to this company is that the FDA will never allow replacement therapy to go into humans,” said Sponis. “We overcame that yesterday (Nov. 30), and that’s why yesterday was such a terrific day for the company.”

Just as Hillman has worked hard in the lab to make the technology happen, Sponis has worked the phones to raise the money to fund continued development.

Striving to raise venture capital during what he calls the “nuclear winter” for biotech startups in 2001 through 2003, Sponis used unorthodox but clever strategies to meet financial goals. In May of 2003, he took Orogenics public on the Toronto Venture Exchange in Canada, a junior stock exchange, to attract investors. The move resulted in a \$3-million cash infusion from the initial public offering and another \$5 million in warrants exercised at six and nine months. The IPO money enabled the company to commit to a five-year lease on its own facility and expand its staff from seven to 19 employees.

The day in October that Orogenics debuted on the American Stock Exchange under the symbol ONI, Hillman and Sponis were there to ring the bell to open trading – the heavy brass gavel they used rests in its cradle on Sponis’ desk as a memento, but he’s already moved on and is looking to the future.

“Money is always the largest challenge to any young company. We are looking at a 3-year clinical trial with three to four thousand patients (during phase II and III testing). You’re talking 25 to 30 million dollars,” Sponis said. “We don’t have that kind of money right now, but being a publicly traded company gives us options.”

Those might include entering into a strategic alliance with a big pharmaceutical company to complete clinical trials on replacement therapy, or it might mean the company takes its message to the street – Wall Street – selling shares in the company to raise the capital.

“This product is going to revolutionize dental care. There has never been anything like it,” Sponis said. “I think there will be any number of opportunities.” ♦

Awards

NIDCR Research Infrastructure Award

The University of Florida College of Dentistry received a \$2 million award from the National Institute of Dental and Craniofacial Research of the National Institutes of Health to enhance its research infrastructure and capacity. State match of the NIH award will result in a \$4 million infusion of capital into the college’s research enterprise, enabling it to better balance its missions of education, research and patient care.

The college’s research infrastructure plan funded by the award calls for strengthened ties through joint research initiatives with the Health Science Center’s Genetics Institute, the Diabetes Research groups, the Cancer Center and the McKnight Brain Institute, as well as with the university’s General Clinical Research Center.

Recruitment of new basic science researchers in the areas of cell and molecular biology will underpin expansion of clinical and translational research. In addition, a training and mentoring oral health research “pipeline” has been established to enable existing faculty to develop clinical research programs that will be competitive for NIH funding.

The college views the award as an investment by the National Institutes of Health in the future of the College of Dentistry and the University of Florida, and administrators are dedicated to using the resources to build a world-class research enterprise that unites basic and clinical scientists in a mission to translate new discoveries in genetics and molecular biology into tangible improvements in human health.

Award to fund study of facial growth after cleft palate surgery

The University of Florida Craniofacial Center received a \$1.7 million award from the National Institutes of Health, National Institute of Dental and Craniofacial Research.

The grant aims to compare disturbances in facial growth between two commonly used cleft palate surgeries, the Von Lagenbeck procedure and the more technically challenging double-Z-palatoplasty procedure.

The double-Z-palatoplasty surgery, invented by retired UF surgeon Leonard Furlow, may result in less disturbance to facial growth as lateral “relaxing” incisions along the hard palate are generally not required, resulting in less tissue contracture and more normal mid-facial growth. The traditional Von Lagenbeck procedure repairs the cleft palate by bringing soft tissues of the hard and soft palate together using a straight suture line, which requires relaxing incisions along the hard palate – a technique that appears to impair mid-facial growth.

UF’s NIDCR-funded research, in partnership with the University of Sao Paulo in Brazil, builds on its 10-year, NIH-funded comparison of the two surgical techniques on velopharyngeal function for speech. Over the course of the 10-year study, nearly 500 children were randomly

assigned for treatment with one of the two surgical cleft repair procedures at the University of Sao Paulo, and their speech development outcomes tracked. This groundbreaking study will come to a close this June as the last patient becomes of age to complete a reliable speech assessment.

Children enrolled in the first study will be evaluated over the next five years under the newly funded effort to see which of the two surgical procedures leads to the best dental arch and mid-face growth.

HRSA Teledentistry Award

Funded by a \$1.5 million U.S. Health Resources and Services Administration grant, the College of Dentistry has undertaken expansion of its teledentistry video-conferencing technology with the goal of improving access to oral health care for Florida’s residents.

Implementation of the Teledentistry Project will lead to a dramatic improvement in the college’s video-conferencing technology and capability – enabling the college to offer video-based instruction and telemedicine consultation services through its community based clinics throughout the state, as well as Web-based educational experiences for dental students, residents and faculty.

The grant will also fund installation of digital radiography in all college clinics, as well as information systems infrastructure – such as servers and other equipment – to support moving toward a paperless patient record.





MONROE
FARBER



A LIFETIME OF SERVICE

BY LINDY MCCOLLUM-BROUNLEY

E. Monroe Farber, D.D.S., F.A.C.D., has a history to share. It is rich, colorful and as vibrant as the man who lived it. Born in 1911 in Crestline, Ohio, Farber has seen a lot during his 94 years – but he’s accomplished even more. Farber has been a prominent leader of Florida’s dental community, influencing organized dentistry and dental education in the state for nearly three-quarters of a century.

He has led a life of extraordinary service.

In 1920, when Monroe was 9 years old, his family followed the Florida land boom to West Palm Beach. After graduation from Palm Beach High School, he returned to Ohio to earn undergraduate and dental degrees from Ohio State University.

On July 10, 1935, Farber reached two major milestones in his life – graduation from dental school and marriage to his long-time sweetheart, Martha Inskeep.

“I graduated from dental school at 6:30 and at 8:30 we got married,” said Farber.

The couple headed to Florida in a borrowed car three days later with the first order of business on his return being the Florida Dental Licensure Exam.

“We started from Columbus, Ohio with \$25 for the trip down. We made it home, after about four or five flat tires, with 43 cents,” Farber said with a chuckle. “Figured it out pretty close, didn’t we?”

New dentists in those days became licensed after they passed the examination and joined one of the district dental societies. Farber was one of 13 students to pass the exam, from a field of 79, after which he joined the East Coast Dental Society’s West Palm Beach chapter. Backed with a \$500 loan from his father to buy equipment, he opened his first practice in 1935 in downtown West Palm Beach.

continued on next page...

Left Top: Lt. Colonel E. Monroe Farber (left) poses with an unidentified officer in front of the U.S. Army 44th Surgical Hospital’s 102nd Dental Detachment in South Korea. Living and working conditions in the camp were very similar to those made famous by the M*A*S*H television series. Left Bottom: Lt. Colonel Farber poses with a Korean orphan in 1954. The little girl was one of 60 orphans living in the orphanage Farber’s detachment took under its wing. She wore her very best attire for the photo; a silk dress sewn for her by her deceased mother.

PHOTOS COURTESY MONROE FARBER



After several months, Farber split his practice between the West Palm and Delray beaches, traveling between the two offices on the Greyhound Bus because he didn't have a car. Within a year, he was able to close his West Palm Beach office and work exclusively from the Delray Beach practice.

"I practiced in town here for 51 years," Farber said. "When I came here, I was the only dentist between Lake Worth and Fort Lauderdale, if you can imagine that!"

The forgotten war

For the next 17 years, Farber's family and dental practice thrived. He and Martha had two children, Pam and Wayne, built a beautiful home and settled into the Delray Beach community. The Depression ended, World War II came and went and, by the late 1940s, the political climate was glacial with Cold War.

"During and after World War II his practice had really gotten on its feet," said Richard S. Masella, D.M.D., F.A.C.D., associate professor of orthodontics at Nova Southeastern University College of Dental Medicine and a long-time friend of Farber's. "Things were going along financially and professionally very well. Then, the bottom dropped out when he was drafted to go to Korea."

The Korean War – known as the "Forgotten War" – was the first armed conflict of the Cold War, and it began with North Korea's invasion of the south in June, 1950. In desperate need of dentists, the U.S. Army drafted Farber in 1953 and he found himself uprooted from his family and practice.

A young dentist was recruited to look after his practice, Martha took the children to live near her mother in California, and Farber was sent to Korea as the lieutenant colonel in charge of the dental detachment serving 60,000 men of the 3rd U.S. Infantry Division.

Even with a crack staff of 25 dental officers and 50 enlisted people in the clinic, Farber found conditions south of the 38th parallel to be less than conducive to the practice of dentistry.

"It was rough," Farber recalled. "We lived in tents with dirt floors. In the winter, it was 25 below zero so our Novocaine froze up every night and we had to put it in warm water in the mornings to use it."

A year into his tour of duty, Farber was astounded to find an orphanage with two women caring for 60 children, all in a tiny, bombed-out shack.

"The fighting had gone through there a couple of times and had practically destroyed it," Farber said. "All around the place was muddy and nasty, but we got it all fixed up."

Farber and his dental officers adopted the orphanage and watched over it during their time in Korea. He arranged for Army engineers to replace the structure's shattered windows and fill the yard with crushed rock to give the children a clean, dry place to play.

While stationed in Korea, Farber touched the lives of thousands of enlisted men and Korean civilians. He even assisted in the establishment of a Korean dental school in Seoul by arranging for the Army to donate its dental equipment, instruments and supplies to the school after fighting had ended and the equipment was no longer needed to support troops.

Farber was honorably discharged from the U.S. Army in 1955 with a Bronze Star and the Belgium Order of the Crown for his outstanding leadership and service.

Getting organized

Happy to rejoin his family and community after his military discharge, Farber soon had his practice thriving again. Always active in his community, he organized a booster club, known as the Hilltoppers, for the local high school football team and founded the Delray Beach Tennis Association with several of his friends.

He also focused his considerable energies on participating in organized dentistry, working with L.D. Pankey and several other south Florida dentists to found the Florida Academy of Dental Practice Administration in 1960. Farber served two terms as the academy's first president, and, 45 years later, he continues to serve in an advisory capacity.

A mover and shaker in the dental community, Farber worked his way through the committees and executive positions of the South Palm Beach County and East Coast dental societies. In 1964, he was elected the 81st president of the Florida Dental Society. There were no hanging chads during this election – votes tallied 2-to-1 in his favor.

"When I got started, the last thing I thought I'd ever be was the president of the Florida Dental Society," Farber laughed.

During his time as president of the society, now known as the Florida Dental Association, Farber called a special workshop that was the genesis of a scholarship society called the Academy One Hundred – based on the idea that each member would give \$100 every year to help fund student scholarships and to promote the creation of Florida's own dental school.

"At that time, Florida had no dental school at all," Farber said. "The closest one was in Atlanta."

A dream come true

The FDA formalized the Academy One Hundred in 1966 and Farber was elected its first president. The grass roots movement to establish a dental school in the state had begun, and FDA and Academy members were vigorously lobbying the state legislature to fund a public school to educate Florida's future dentists.

"One of our men, Louis Atkins, was politically connected in northwest Florida with a group known as the 'Pork Choppers,'" Farber said. "The Pork Choppers controlled the state's purse strings in such a way that they got a lot of things done. Lou kind of worked on them and they agreed to the idea of supporting the university."

After that, things moved fast and the first dean of the UF dental school, Dr. Edmund F. Ackell, opened the school's offices from a Flavel building in 1966. Additional faculty were recruited in 1967, and in 1968, the State Legislature appropriated \$11.1 million dollars for the construction of the new school's

building – and groundbreaking finally took place in 1971. Dr. Jose Medina was the dean of the dental school in 1972 during the admission of the first class of 24 D.M.D. students. This charter class graduated in



The Farber Family, circa early 1960s. From left to right: Pamela, Monroe, Martha and Wayne Farber.

1976, only one year after completion of the college's new building.

Throughout it all, Academy and FDA members were instrumental in assisting the fledgling school in faculty recruitment and development of curriculum and programs. The Academy One Hundred, which grew to a membership of 250 Florida dentists, facilitated scholarships for dental students based on merit. Each year, \$25,000 from the Academy was funneled to the college's scholarship committee, which recommended students for scholarships based on academic merit and moral character.

The Academy One Hundred also funded the college's Academy One Hundred Teaching Clinic, and established an eminent scholar chair for clinical dentistry in 1984. Parker Mahan was the first appointee to the chair, which was assumed by Ivar Mjör, the current Academy One Hundred Eminent Scholar, after Mahan's retirement in 1993.

The Academy One Hundred and the college's alumni association merged in 2003 to become the Academy of Alumni and Friends. Farber maintains his membership in the new organization, and remains involved in supporting college initiatives.

Doing for others

As his life achievements attest, Farber is dedicated to the promotion of his profession and helping others in need. Assisting young people meet their goals had long been of interest to him, and in 1992, in retirement from practice but

"One of the first students we helped, Ken Begnoche, is a graduate of UF," said Masella. "He is now the president-elect of the South Palm Beach County Dental Association, which I think is pretty significant."

Begnoche said the scholarship made a big difference, both financially and academically.

"Dr. Farber sets such an example for the younger dentists to follow," said Begnoche, who now practices in Boynton Beach. "I truly do reflect back on that whole experience, and you can't help but want to give back."

During his freshman year,



The cover of the Delray Beach Tennis Association 1977 Membership Directory, depicting its founding members, from left to right: Kenneth Jacobson, Tom Schoaf, Monroe Farber and Paul Spiker.

"He has helped guide people into the dental profession, and I know they have not forgotten it. He's one of our best."

still involved in organized dentistry, he formulated the idea that his local South Palm Beach County Dental Association should provide scholarships to worthy dental students from its community.

"Richard Masella and I, and members of the south county society, started a scholarship committee," Farber said. "We had about 200 members, and we asked them to give \$40 a month."

Kenneth Begnoche ('96) was the first recipient of the association's dental scholarship in 1992, receiving a \$1,000 award during his freshman year at the University of Florida. Crystal Ananos ('96) and Thomas A. Galinis ('96) were also selected by the association's scholarship committee to receive support.

At about the same time, Farber's lifelong friends and patients, Marshall Dewitt and his wife, Jeannette Butts Dewitt, passed away within six months of each other. The couple were wealthy produce farmers with property on the outskirts of Boca Raton.

"I had talked to them about scholarships," Farber said. "When they died, they had about \$8 million, and Marshall wanted to give a fourth of his wealth to the Academy One Hundred, which was about \$1.6 million."

The Marshall M. and Jeannette Butts Dewitt Scholarship Fund was established at the University of Florida College of Dentistry with the idea of supporting dental students from Palm Beach County and south Florida. The three students already tapped by the South Palm Beach County Dental Association to receive scholarships were rolled into the fund.

"Because of Dr. Farber's inspirational leadership, his willingness to take the initiative and approach one of his patients about creating a scholarship fund for dental students, the college now has scholarships providing aid to more than 30 dental students each year," said Venita Sposetti, the college's assistant dean for admissions and financial aid. "Without his creative energy and willingness to serve and help others, this fund would not exist today."

Both Farber and Masella serve on the college's Scholarship Committee, and Masella said the Dewitt scholarship has come full circle.

Begnoche was very aware of the scholarship's stipulation that his grades should remain in the top one-third of his class.

When class rankings were released at the end of his first year, he was concerned to find himself tied at number 26 – exactly one-third of 78 people in the class.

"By the end of four years, I was a member of OKU (Omicron Kappa Upsilon dental fraternity, membership in which is conferred based on academic achievement) because I knew the scholarship committee was going to be looking at my G.P.A.," Begnoche laughed. "So, I think I may have actually gotten more from my dental education just because I didn't want to disappoint Dr. Farber."

Masella believes Farber's deep faith and love of other people have been at the core of his efforts on behalf of others.

"Both Monroe and Martha felt an obligation to give back to their community," said Masella. "I believe Monroe's motivation is to make a lasting difference in the lives of other people; to be willing to step forward to do concrete deeds to try to help."

Martha passed away last May, but her presence is alive in the Delray Beach home she and Farber built in 1940. Her passion was horticulture, and the bungalow's lush tropical landscaping lends rare and peaceful respite from the noisy city beyond.

Farber lives with his daughter, Pam, but is independent as ever, regularly driving himself on errands and to Kiwanis Club meetings. He still makes the trip to Gainesville for the annual scholarship committee meeting, but Masella drives, enjoying the conversation and the long history that Farber has to share.

"I think every professional person, dentists included, needs a senior figure to serve as a guide, a beacon, as to how one's own life can be conducted," Masella said. "I think Monroe has served that role exceptionally well. He has helped guide people into the dental profession, and I know they have not forgotten it."

"He's one of our best," Masella said. ♦

Gator Idol

UF dental student sings her way to top spot as dental diva

BY ADRIANNA RODRIGUEZ

Brushing off last-minute jitters, University of Florida dental student Sanjie Jackson, 23, the “singing dentist,” flashed her bright smile and pearly whites as she sang her way to first place in the 2004 Gator Idol competition. Jackson was one of three finalists — selected from a field of 40 contestants — to battle it out to become the Gator Idol winner during the University of Florida’s annual Midnight Madness event Oct. 8 at the O’Connell Center.

Jackson, a sophomore in the College of Dentistry, entered the contest at the urging of her classmates. Busy with school, she enlisted the help of friends and fellow students to choose songs and wardrobe for the three-part competition.

Jackson was amazed when UF Basketball head coaches Billy Donovan and Carolyn Peck chose her as the winner of the \$1,000 Gator Idol prize during the final held at the huge student pep rally celebrating the start of basketball season.



“I want to help my patients and entertain them at the same time, that’s my goal.”

“When they said my name I honestly was astonished,” said Jackson.

Not Jackson’s sister, Versan, a UF pre-med student. She was there, cheering Jackson to the finish, along with 35 second- and third-year dental students waving “UFCD loves Sanjie Jackson” signs. Faculty member Nicholas J. Grimaudo, D.M.D., Ph.D., was also in the stands

cheering in support of the college’s dental diva.

Singing is nothing new for Jackson. It plays a very important role in her life and her studies, she said. For Jackson, singing

maintains her good mood and helps put others around her in a happy state as well.

“I really do sing all the time,” Jackson said. “It makes me so at peace and I think it does the same for my fellow classmates.” She describes her classmates as a good support system and second family.

Jackson, who began undergrad pre-law at the University of Central Florida and later switched

to microbiology, says dentistry was the perfect choice of profession for her because dentistry is all about people. A genial and optimistic person, she’s always looking for opportunities to help others and feels strongly that dentistry is the best way to accomplish that goal.

After graduation she plans to practice general dentistry.

Jackson said she is eager to treat the whole family and have a practice where she can get to know her patients. But don’t expect her to give up singing any time soon.

“I want to help my patients and entertain them at the same time, that’s my goal,” said Jackson.

Jackson wants to be known as the singing dentist and said she’ll carry singing with her into her career. She’d like to record a few CDs after college to play in her dental office and give to her classmates to do the same. Her goal is to uplift people and she said she will always encourage her patients to sing along, too.

“No matter what I do I am definitely going to sing,”

Jackson said, “While I’m working on the patients, I’ll be singing.” ♦



Research Day



April 2, 2004

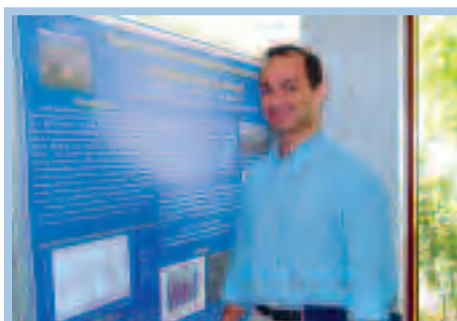
Second Annual UFCD Research Day

The College of Dentistry held its second annual Research Day April 2 in conjunction with the American Dental Student Association activities. Keynote speaker, Raymond Dionne, D.D.S., Ph.D., clinical director of the National Institute of Dental and Craniofacial Research (NIDCR), addressed the assembly on the topic of "Translating scientific advances into improved pain relief." Sharon M. Gordon, D.D.S., M.P.H., Ph.D. and director of the NIDCR's office of education, made her presentation via teleconference from Bethesda, Maryland and spoke on "Opportunities for training through NIH grant mechanisms."

First Place, D.M.D. Division, Basic Science Category
Irma Iskandar (1DN)
Title: Activity of a potential receptor for the Porphyromonas gingivalis Hemagglutinin B on HCAEC.

First Place, MS/Resident Division, Basic Science Category
B. Neel Bhatavadekar
Title: Activity of combinations of tt-Farnesol with Kaemferol and Quercetin against Streptococcus mutant-UA-159.

First Place, Ph.D./Post-doc Division, Basic Science Category
Andrew Jakymiw
Title: Characterization of GW2, a GW182-like RNA binding protein that colocalizes to GW bodies.



April 2, 2004

28th Annual American Dental Student Association Research Day

The American Student Dental Association held its 28th Annual ASDA Weekend. Keynote speaker was Dr. Frank Caughman, professor of oral rehabilitation, oral biology and associate dean for patient services at the Medical College of Georgia. Dr. Caughman also serves as vice president of the Academy of Operative Dentistry. The topic of the presentation was "Curing Lights and Aesthetic Dentistry."

First Place, Table Clinics
Pamela Martinez (3DN)
Title: Periodontal disease - prevention via behavior modification and motivational strategies.

First Place, Research
Nikki R. Rhodin,
Oral Biology Graduate Program
Title: Further characterization of anti-Streptococcus mutans monoclonal antibody reactivity against antigen P1.



April 9, 2004

Third Annual Pain Research Day

Clinical and basic pain researchers from across the university presented posters during the April 9 Comprehensive Center for Pain Research Pain Research Day. Keynote speaker, William Willis, M.D., Ph.D. from the University of Texas Medical Branch in Galveston, Tex., and internationally known for his pain research, presented "Central sensitization is a spinal cord form of long term potentiation (LTP)."

First Place, Basic Science Poster
Meng Chen, Ph.D.,
Post doctoral associate
Department of Oral and Maxillofacial Surgery
Title: Functional ATP-P2X
receptors are expressed on the primary afferent fibers that synapse to lamina I neurons in the spinal cord

First Place, Human/Clinical Science Poster
Kary Marris, D.M.D., Resident
Department of Orthodontics
Title: Effects of preoperative ibuprofen, anxiety and gender on post separator placement pain

Mighty Molar

ASDA students put the FUN in fundraising

Finding a dry weekend amidst Florida's fearsome 2004 hurricane season, 150 UFCD students, faculty, staff, pre dental students—and even some alumni and local dentists—turned out for fun in the sun during the American Student Dental Association's 32nd Annual Mighty Molar held Sept. 18. Mighty Molar is ASDA's traditional annual fundraising event, and the student association was successful in raising more than \$2,000 to help fund the ASDA Weekend in spring and to offset costs of "lunch and learn" activities held throughout the school year.

As ever, Mighty Molar field games were the big attraction, and the dental classes took pleasure in competing against each other during matches of skill and daring. These games

included the bucket race, egg toss, golf pitching, trayless alginate impressions, tug of war, bake-off and the Tennessee Redneck Contest.

"The sophomore class of 2007 took home bragging rights this time, as each event was worth one point and we had the most points," said Sasha Minor, sophomore dental student and ASDA president-elect.

Lots of good stuff was raffled during Mighty Molar, including sports watches, certificates to Gainesville restaurants, a pair of loupes donated by Orascopic, an Island Dental high-speed handpiece, a curing light donated by Florida Dental Equipment Liquidators and a perio computer software program valued at \$2,000 donated by the Florida Probe Corporation. ♦



Members of the Class of 2007 mug for the camera. Back row, from left to right: Maggie Novy, Jennifer Larson, Daniel Stewart, Charbel Klaib as the Molar Mascot, David Schroeder, Denise McCaskill and Kelly Newnum. Kneeling at left, Manav Malik, and at right, Christopher Jordan.



Gary Herbeck (left) presents Jeffrey Fleigel with the Pierre Fauchard Award certificate and check.

Pierre Fauchard Award

UF senior dental student Jeffrey Fleigel was awarded a 2004 Pierre Fauchard Academy Foundation scholarship. Pierre Fauchard Academy Foundation Fellow Gary E. Herbeck, D.M.D., presented the \$1,500 scholarship award to Fleigel Nov. 22 at the college and in the presence of Dean Teresa A. Dolan and Assistant Dean for Admissions and Financial Aid Venita J. Sposetti.

The Pierre Fauchard Academy Foundation awards dental scholarships each year to students in each of the 51 U.S. dental schools and 18 schools outside the U.S. Students who demonstrate financial need and leadership potential are tapped by the schools to receive the award. Since 2002, the foundation has disbursed \$76,500 in student scholarships and, since 1996, more than \$2,225,000 in grants to provide dental care to underserved populations worldwide.



Students who participated in the Summer Research Program at the abstract presentation session standing from left to right: David Naselsker, David Yates, Scott Harris, Justin Palmer and Quinton Gardner. Sitting in front row from left to right: James Green, Javier Mendez Jr., Rachel Hollander, Christopher Latham and Andrew Cooper.

2004 Summer Research Program

Ten first-year students from the College of Dentistry presented the results of their Summer Research Program projects at an abstract presentation session on Aug. 26. Under the direction of faculty mentors, students conducted eight to 10 week research projects, which allowed them to gain research experience, meet the faculty and familiarize themselves with the college prior to beginning classes in the fall. Some of the abstracts presented by the students will be submitted to the American and/or International Association of Dental Research. Student research topics included:

Oropharyngeal Candidiasis in Patients Receiving High Dose Radiotherapy for Head and Neck Cancer.

Rachel L. Hollander

Mentor: Dr. Pamela Sandow

Cultural Competence: Measuring the Value of Cross-Cultural Dental Training Through International Health Service Trips.

Quinton Gardner

Mentor: Dr. Enrique Bimstein

The Effects of Diffuse Noxious Inhibitory Controls (DNIC) on Rating of Continuous Painful Thermal Stimuli.

James R. Green

Mentor: Dr. Joseph Riley

Autoantibodies in Head and Neck Cancer (HNC).

Scott Harris

Mentor: Dr. Edward K.L. Chan

Analysis of Vacuolar H⁺-ATPase Complexes in Osteoclasts by Native Blue Electrophoresis.

Andrew Cooper

Mentor: Dr. L. Shannon Holliday

Porphyromonas gingivalis Gingipain Protease, Kgp, Participates in the Invasion of Human Coronary Artery Endothelial Cells.

Christopher Latham

Mentor: Dr. Ann Progulsk-Fox

Promoting Culturally Competent Oral Health in Vulnerable Populations.

Javier Mendez, Jr.

Mentor: Dr. Nicholas Grimaudo

Modulation of Apoptosis-Associated Proteins of Human Gingival Cells by Actinobacillus actinomycetemcomitans.

David Naselsker

Mentor: Dr. Martin Handfield

Behavioral Evidence for a Capsaicin-Sensitive Inhibitory Pathway (CSIP): A Novel Modulatory Role for Substance P.

Justin Palmer

Mentor: Dr. Robert P. Yeziarski

Microbial Cell-Cell Interaction and Virulence Regulation by Streptococcus mutans.

David Yates

Mentor: Dr. Robert Burne

Summer of Learning 2004

Thirteen students from several universities across Florida participated in the 2004 Summer of Learning. The first- and second-year undergraduate students, each of whom is a member of an ethnic minority group or from an economically or educationally disadvantaged background, attended the three-week program at the college. The program introduced students to the field of dentistry, familiarizing them with laboratory techniques and dental research, as well as preparing them for the Dental Admissions Test. The program is funded through the generous contribution of Dr. Charles L. Ross, Jr. of Miami, Fla. Dr. Ross donated \$5,000 per year over the course of four years for a total of \$20,000 in program support.



Students who participated in Summer of Learning 2004 standing from left to right: Dr. Nelson S. Logan, Kathryn Antony, Toni Hylton, Vincy Samuel, LaShonda Brown, Lisa Ma, Lamecia Bowers, LaToya Jones, Kera Collier and Quinta Idiare. Sitting from left to right: Ramon Guitierrez, Patricia Brandao, LaToya Scott and Ezra Merritt.

UF College of Dentistry's

WHITE COAT

Members of the class of 2007 were honored by the college during the traditional White Coat Ceremony held July 17 in Gainesville. Sponsored by the Academy of Alumni and Friends, the ceremony marks the rising juniors' transition to providing patient care in the college's clinics.





3

1. Class President Joann Soh addresses the class and faculty, especially thanking Associate Dean for Admissions Venita Sposetti for choosing a class filled with "good-looking and intelligent" members.
2. Christopher L. Beach leads the class in singing spirited renditions of UF's Alma Mater and the Star Spangled Banner.
3. Presenting the class of 2007 as dental care providers.
4. Academy of Alumni and Friends President Ron Askeland (now immediate past president) congratulated the class on their achievement and encouraged them to keep looking forward to the final achievement of a dental degree. "I think by now you're seeing the light at the end of the tunnel," Askeland said. "It's a bright light."
5. Zachary (5), Brennan (3), and Jennifer Chase were proud to watch dad and husband, Gregory Chase, don his white coat during the ceremony.
6. Class comedian, Damian Anderson, delivered a hilarious speech that started with, "I knew this was going to be a big deal when my wife looked at me, with that special look in her eyes, and announced she was going to wax between my eyebrows."
7. Dr. Gary L. Speiler assists Nisrine Cabani into her white coat.

ACADEMY of ALUMNI
and FRIENDS
DCE



7



4

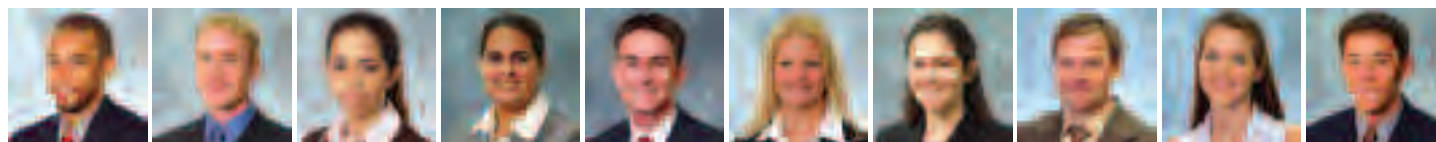


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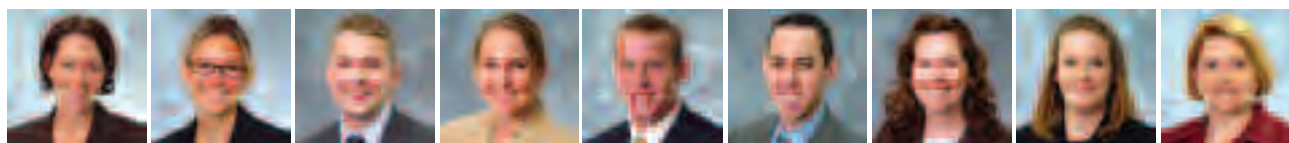


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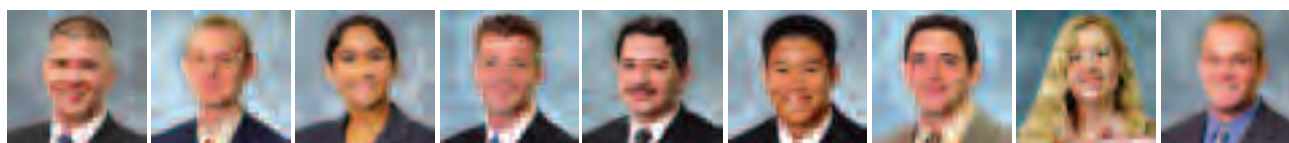
Introducing the CLASS OF 2008



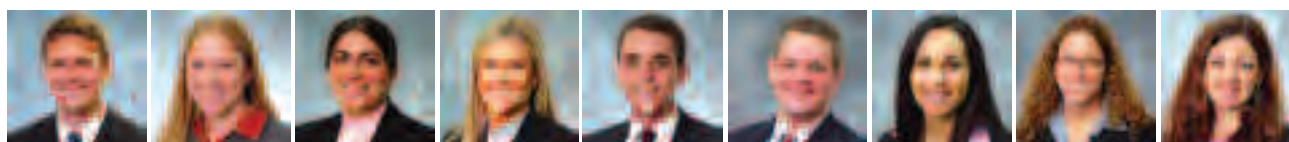
Adrian Abrahams James Alexander Danoosh Amrooei Leanet Asuncion Richard Ballentine Angela Barlow Chelsea Bergeron Lee Boney Monica Bontrager Thomas Brown



Lori Burchell Jennifer Burke Joshua Cahoon Kelly Connaughton Cassidy Cook Andrew Cooper Laura Coyle Stephanie Crisp Pamela DeTrollo



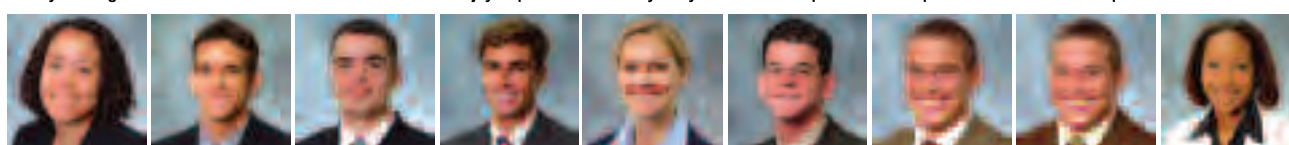
Bradley Dilling Matthew Ertl Deanna Fernandes Quinton Gardner Igor German Phattara Gibbs Richard Gilbert Jessica Gindele Jonathan Gordon



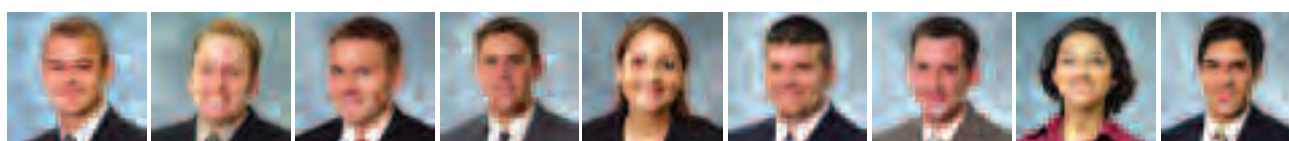
James Green Lindsay Gremillion Mariam Gudarzi Lenee Harrell Scott Harris Kristopher Harth Maryam Hatefi Rachel Hollander Lindsay Holloway



Lacy Holzinger Jennifer Jones Valerie Kanter Ajay Kapadia Tiffany Kelly Jason Kopakin Christopher Latham Andrew Maples Brent Martin



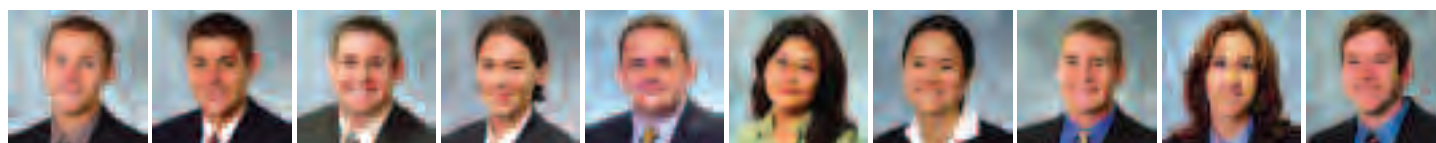
Michelle Martinez Ryan McAlpin Javier Mendez, Jr. Brad Mokris Nicole Mullally David Naselsker Andrew Nawrocki Matthew Nawrocki Elana Oliver



Christopher Page Justin Palmer Brian Parker Trevor Parker Shekha Patel Grant Pinney Daniel Plank Shelly Prakash Rafael Rodriguez



Timothy Salib Jose Sarasola Yahaira Serrano Ehsan Sharaf- Kirk Snyder April Stillman Mari Takeda Hilary Taylor Michael Tesmer



Chris Thomason Benjamin Tindal William Truax Olin Tyler II Curtis Von Gunten II Connie Vu Van Vu Daniel Weldon Susan Yasrebi David Yates

CODE OF CONDUCT

As members of the University of Florida College of Dentistry, we are honored to be joining the distinguished profession of healthcare. Our purpose is to advance the banner of excellence established by our predecessors, while maintaining the critical balance of science and art within dentistry. As a testament to our goodwill as dental healthcare practitioners, we hereby establish and acknowledge a unique code of conduct by which the patients and communities with whom we are entrusted will recognize the standard to which we hold ourselves.

PROFESSIONAL CONDUCT

Our class strives to reach the highest professional standards, of which integrity forms the foundation. We vow to serve our patients respectfully and responsibly, while upholding honor through strong values and high ethical standards. By adhering to a strong professional code, we will not only benefit from our actions but we will gain our patients' trust and respect.

EXCELLENCE OF CARE

Excellence in patient care is founded on the principles of honesty, competence and beneficence. With patient well-being as our primary concern, we will acknowledge our limitations, while actively seeking to minimize those limitations through continuing education and collaboration with our colleagues. We realize that oral health is but one component of overall health. Accordingly, we commit ourselves to the pursuit of overall health for our patients through effective communication with health professionals of other disciplines.

PERSONAL VALUES

Consistent with the development of conduct, treatment and patient interaction, our personal values fundamentally include fairness, open-mindedness, compassion and respect. Fairness is achieved through our delivery of the same quality of treatment to all who entrust us with their care. As open-minded professionals, we will exhibit a high level of tolerance toward different cultures or ethnicities without preconceived ideas or prejudices. Empathy will lead us to compassion toward our patients and their needs. There is a crucial balance between our patients, colleagues, friends, family and us in which respect plays a cohesive role. This balance is essential to attain optimal personal health and happiness so that we may serve as better role models for our patients and community. Moreover, respect for patients and their autonomy is necessary before we can receive their trust. It is through this trust that we are able to provide optimal care.

Below: Class of 2008 Ethics Committee members pose with the signed ethics document. Front, left to right: Dr. Henrietta Logan, Jose Sarasola, Richard Ballentine, Rachel Hollander, Dean Teresa Dolan, Michael Tessmer, Stephanie Crisp, Curtis Von Guten II, Shelly Prakash and Justin Palmer. Back row, from left to right: Christopher Page, Lori Burchell, Kris Harth, Adrian Abrahams, David Naselsker and Quinton Gardner.



Alberta, UF's prettiest and most popular cheerleader, is also a dental freshman... Can you guess which one?

COMMITMENT TO SERVICE

Commitment to service and our community is an integral part of our development and success as healthcare professionals. With knowledge and professional skills, we incur obligations to provide excellent healthcare to all, including the underserved. In addition to exceptional service, we are compelled to participate as leaders of the community – encouraging participation in charitable causes.

FINAL STATEMENT

These values are crucial in attaining our vision of what dentistry should represent. Through adoption of this code, we hereby take the initial and necessary step in establishing the highest standards of patient care, personal values, professional conduct and commitment to service by recognizing the value they represent to us as individuals and as trusted members of society.

We freely sign, acknowledge and adopt this code as witnessed below:

The University of Florida College of Dentistry,
Class of 2008



Gator Bytes

Awards



Enrique Bimstein, C.D., and **Charles L. Smith, D.D.S.** were selected to participate in the UF College of Medicine's Master Educator Fellowship Program. Health Science Center colleges nominate individuals from faculty recognized for their excellence in medicine and education. The 18-month certificate program seeks to enhance the educational innovation and research initiatives of the participants, and aims to strengthen academic leadership skills.



Robert A. Burne, Ph.D., chair of the College of Dentistry's Department of Oral Biology, has been elected as a fellow into the prestigious American Association for the Advancement of Science based on his contributions to the field of oral microbiology. Burne was one of 308 outstanding scientists nationwide welcomed as fellows into the association, and one of only two in the section on dentistry and oral health sciences.



Nick Minden, D.M.D., M.B.A., M.Ed., associate professor of restorative dentistry in the College of Dentistry, was awarded fellowship in the American College of Dentists. Minden joins approximately 3.5 percent of his dental colleagues nationwide who

have met the organization's criteria of excellence, ethics and professionalism in dentistry. He is also a

member of the American Dental Association and Florida Dental Association.

New Faculty



Albert Oluwayanmife Adegbembo joined the Department of Operative Dentistry's Division of Public Health Research and Services with teaching and research responsibilities as assistant scientist. He comes to the college from the Faculty of

Dentistry, University of Toronto where he served as an associate in dentistry and as a research associate at the Faculty of Dentistry's Department of Biomaterials. He has also served as assistant director in charge of research and training at the Inter-country Center for Oral Health (in association with the World Health Organization) in Nigeria.

Adegbembo earned his dental degree from the College of Medicine of the University of Lagos, Nigeria, and his Diploma Dental Public Health and Master of Science in Dental Public Health from the University of Toronto. He is a fellow of the Royal College of Dentists of Canada. His areas of research interest are access to care, distribution and determinants of oral health and diseases in populations with an emphasis on geriatric populations, and the degree to which dental amalgam contributes to the flux of mercury in the environment.

Adegbembo and wife, Boun, are the parents of 19-year-old son, Busayo – a freshman at University of Peterborough, Ontario, Canada – and three daughters, 14-year-old Bimpe, 12-year-old Bukunsola and 9-year-old Bolu.

D. Lawrence Brock has joined the college's Department of Periodontology as clinical assistant professor. Brock comes to the college from private practice in Hackettstown, New Jersey.



Brock has served as chief of periodontics at Bergen Pines County Hospital in Paramus, New Jersey, as chairman of the dental section of Hackettstown Community Hospital, part time instructor at the University of Florida College of Dentistry and as acting director of general dentistry at Sunland Center (now Tacachale) in Gainesville, Fla.

Brock earned his Doctor of Dental Medicine and certificate in periodontics from the University of Florida in 1982. His area of research interest is bone regeneration after root planing. He holds a patent for a pressure sensitive periodontal probe previously licensed to Pro-Dentec and has a pending patent for a dental implant placement locator. He is married to Sharon, and is the father of three daughters, Allison age 28, Leslie age 27, and Kelly age 14.



Daniela Rodrigues P. Silva is appointed assistant professor in the college's Department of Pediatric Dentistry. Silva comes to the college from University of Detroit Mercy School of Dentistry where she served as an assistant professor. Prior to

Mercy, Silva was a faculty member at the João Prudente School of Dentistry, Brazil, where she was assistant professor of social and preventative dentistry and associate program director of pediatric dentistry.

Silva earned her Doctorate of Dental Science from Goiás Federal University, Brazil, a certificate in pediatric dentistry from Camilo Castelo Branco University and a Master's of Science in Pediatric Dentistry from the University of Michigan.

Areas of research interest include dental anomalies in premature children, pulpectomy medications for vital primary teeth, and indirect pulp treatment in young permanent molars with deep carious lesions.

K. David Stillwell has joined the college as associate clinical professor in the Department of Operative Dentistry's Foreign Trained Dentist Program. He will be the primary faculty support



for the didactic, pre-clinical and clinical activities in the first- year rotation for the 12-student FTD curriculum.

Stillwell maintained a practice for 19 years in Columbia, Mo., and Mountain Home, Ark., focusing his practices in the areas of hospital care, implantology and family practice. He has also held academic appointments at University of Colorado School of Dentistry, University of Missouri School of Medicine and University of Missouri-Kansas City School of Dentistry.

Stillwell earned his Doctorate in Dental Surgery from Louisiana State University and a certificate in general practice dental residency from University of Colorado. He has been awarded fellowship, and in 1998, his mastership status as a 20-year member of the Academy of General Dentistry.

Wife Connie and sons Jonathan (19) and James (14) join Stillwell in Gainesville, where they enjoy Florida's year round outdoor activities.



Fong Wong is appointed assistant professor in the college's Department of Prosthodontics. Her responsibilities within the department encompass clinical, teaching and research activities.

Wong earned her Doctorate in Dental Surgery from the University of Alberta and certification in advance graduate study in prosthodontics and a master's from Boston University, as well as fellowship certification in maxillofacial prosthetics from University of Chicago.

Wong is a member of the American College of Prosthodontics, the Academy of Osseointegration, the American Dental Association and the American Fixed Prosthodontics. She is fluent in the languages of English, Cantonese Chinese, Mandarin Chinese and Vietnamese, and has knowledge of French and Cambodian.

Spotlight

Making a difference – Sam Low speaks out on his role as FDA president

For the first time in its 120-year history, a college professor has been elected president of the Florida Dental Association. Samuel B. Low, D.D.S., M.S., M.Ed., associate dean of faculty practice, continuing education and allied health, and professor of periodontics at the UF College of Dentistry, was installed as president of the association during the Florida National Dental Congress last June.

"I had to climb the ladder, be very humble and I had to be a dentist first," Low said of his achievement. "I have always felt I am a dentist; I'm not a periodontist, I'm not a dental educator – I am a dentist."

As a dentist, Low is excited by his role as president of the FDA. He believes Florida is a lightning rod state for dental issues, and says that Florida's response to these issues will help define how dentistry will be practiced nationwide in the coming decades.

"There are three states that will influence the future of dentistry: California, Texas and Florida," Low said. "Interestingly, they share some common characteristics – all three are border-states and all three have huge populations. From that standpoint, they are the first states to see and deal with the trends that are going to happen in the other 47 states."

With a membership of about 7,000 Florida-licensed dentists, the Florida Dental Association represents nearly 80 percent of all licensed dentists in the state and is an active participant in shaping the profession's future. Low is happy to be in a leadership position as organized dentistry in Florida navigates the changing topography of dentistry in the state.

One trend Low finds particularly alarming is that young dentists are not getting involved in organized dentistry. Shortly after his installation, Low, with the fervor of a tent revival preacher, set about convincing his FDA cabinet that this was one trend that must be immediately addressed.

"What I want to do with the FDA is make it an organization where young people want to be a part of its direction," Low said. "I especially don't want gray-haired, old men running it! I want young people, women, diverse groups running it."

Low introduced the idea of forming an FDA leadership institute to identify and cultivate dentists at the grass roots for leadership positions in



the association and in national organized dentistry.

"Organized dentistry enjoys one of the greatest market shares of any health profession," Low said. "Seventy-five percent of all licensed dentists in the U.S. are members of the ADA. We have to do more to groom these young people to be our future leaders, to start to energize and crystallize a genesis of commitment in this group."

Another hot button topic is expanded functions for dental hygienists. Low has been challenged by the resistance of some dentists to the notion that hygienists should be able to do more than just clean teeth.

"Because most of us are men and because we were raised with fathers who went to WWII, we have a military style of leadership," Low laughed. "Which is, basically, line 'em up, shoot 'em all and take no prisoners. I want to be a part of changing that culture."

Low's approach to expanded functions for hygienists is to work with the hygienists to come up with some "win-wins." He'd like dentists and hygienists to approach Florida's lawmakers as part of a dental profession team working to increase access to quality dental care for Florida's residents. Low is pleased by the positive progress he's been able to make in that direction. Although he is a dentist providing treatment to patients, a dental educator, and a visionary leader of organized dentistry, it's telling that he considers his greatest achievement to have been able to consistently place the patient first during these discussions.

"I have always given my patients my very best," Low said.

Faculty Farewells

Douglas K. Benn

retired from his positions of professor of oral and maxillofacial surgery and diagnostic sciences, director of oral diagnostic systems and director of radiology curriculum at UF College of Dentistry in November.



Benn arrived at the college in 1992 as an assistant professor in the department with joint appointment in the College of Medicine. Previously, Benn served as a clinical assistant lecturer in maxillofacial radiology and research fellow at University of London, England. He also has more than 16 years in private practice.

Benn earned his Bachelor of Dental Surgery from London Hospital Medical College, a Master of Philosophy in Computer Science from Open University, Milton Keynes, England, a Ph.D. from University of London, and his Diploma in Dental Radiology from Royal College of Radiologists, United Kingdom.

Areas of research interest are design of new health care systems incorporating community health promotion, education for self-care of disease prevention and management, and demand and supply reduction of health services.

Although retiring from academic life, Benn plans to remain active in dentistry by consulting with the U.S. Veterans Administration and he is working to establish a continuing education program with the UF colleges of Dentistry and Pharmacy in San Jose, Costa Rica. Benn, wife Ava, and step-daughter Ariel, 10, will relocate to Alajuela, Costa Rica and the family looks forward to new adventures in a beautiful new land.



Carroll Graves Bennett

retired from the college at the end of November, leaving a long and productive career at the college spanning three decades.

Bennett first came to UF in 1973 to serve as professor and chair

in the college's Department of Pedodontics – now named the Department of Pediatric Dentistry – a position he held for 12 years. In 1985, he was appointed director of admissions and student financial aid, and in 1995, associate dean for

admissions and student affairs. As associate dean for admissions, Bennett guided the school through a period of vigorous, and often challenging, enrollment growth. In 2001, he returned to pediatrics as a teaching professor.

Bennett earned his Doctorate of Dental Surgery, certificate in pedodontics and master's in physiology from Medical College of Virginia. Before coming to UF, he taught at West Virginia University for 11 years, where he served as professor, chair and assistant dean. He is a diplomate of the American Board of Pediatric Dentistry, and served as an examiner and chairman for the American Board of Pediatric Dentistry.

Set to retire in fall of 2003, Bennett graciously agreed to serve as interim chair for pediatric dentistry while the search for a new chair was conducted to replace Chair Robert Primosch, who was promoted to associate dean for education. Bennett also participated on the search committee, which tapped Marcio Guelmann to serve as acting chair of the department. Although retirement began in November, Bennett will continue to teach pediatric dentistry part-time this spring while the department recruits new faculty.

Bennett and wife, Sue, plan to spend their retirement visiting with children and grandchildren. Oldest daughter, Susan, lives in Sarasota, Fla. with her husband and two children, and youngest daughter, Elizabeth, resides in Clearwater with her dentist-husband and their two children.

"It's been a really special time for us," Bennett said of his and Sue's UF experience. "I'm leaving at a time when the department is strong, with 10 residents and a strong international influence. So I feel good about that."



Kimberly Jones-Rudolph

said her good-byes to UFCD in June and moved with her family to Tennessee where she is pursuing an orthodontic residency at the University of Tennessee.

Jones-Rudolph, known for her high energy and strong service ethic, came to the college in 2001 to serve as clinical assistant professor in the Foreign Trained Dentist Program. Her duties were to teach clinically-based comprehensive dentistry and to incorporate community service into the college's curriculum.

During her time at the college, Jones-Rudolph spearheaded the college's involvement in the American Dental Association's first Give

Kids a Smile event, involving 25 community dentists who provided free dental care to more than 120 children in Alachua and Gadsden counties. Due to her outstanding efforts during Give Kids a Smile, the Florida Dental Association honored Jones-Rudolph with a special recognition award at the 2003 Florida National Dental Congress.

Jones-Rudolph earned her dental degree from University of Pennsylvania and master's degrees in public health and health administration as well as diploma in public health from the University of Florida.



Clara Turner, D.M.D.,

an associate professor in the college's Department of Pediatric Dentistry, retired June 30. Loved by students and patients for her funny and caring personality, Turner served in the Department of Pediatric Dentistry and the Craniofacial

Center for more than 22 years.

During her career at the college, Turner served as director of the department's Pediatric Residency Program and director of the Undergraduate Pediatric Dental Clinic. She served on numerous college committees, was a consultant to the American Dental Association Council on Dental Education and Commission of Dental Accreditation, served as president of the Florida Society of Dentistry for Children and was chair of the Constitution and Bylaws Committee for the American Academy of Pediatric Dentistry Foundation. She has contributed to the advancement of dentistry for children by teaching dental students and residents via presentations at state and national meetings and publishing in scientific journals.

Turner is a leader in the area of dental care for infants and children with cleft lip and palate and other craniofacial anomalies. As a member of the University of Florida Craniofacial Team, she participated with other medical and dental specialists in treatment issues and research studies relating to dental health of children with birth defects involving the oral cavity.

Turner earned her dental degree and certificate in pediatric dentistry at the University of Kentucky, is a Fellow in the American Academy of Pediatric Dentistry and a Diplomate of the American Board of Pediatric Dentistry.

She plans to spend her retirement traveling and has resettled in Aiken, S.C. ♦

Class Notes

Jernigan awarded Alumna of the Year

Widely acknowledged as an outstanding example of the dental profession, Pensacola dentist **Kimberly U. Jernigan** is also a woman of amazing strength and drive. Because of her impressive record of service to Florida's dental community and to her alma mater, the Academy of Alumni and Friends honored her with the UFCD Alumna of the Year award during Oct. 29's Dental Fall Weekend gathering.

After having worked as a dental hygienist for 15 years, Jernigan made a mid-career decision to become a dentist. She earned her dental degree from UF in 1997 and hit the ground running. She has served as the Florida Dental Association's chief liaison to the Florida State Board of Dentistry since 1997, the FDA's Joint Committee on Dental Hygiene Matters since 1999, and on the College of Dentistry's Admissions Committee since 2000. Additionally, she is an alternate delegate to the American Dental Association

and a representative for the Florida Tobacco Free Coalition.

Her awards are numerous and prestigious. She was the first female to be named FDA Dentist of the Year in 2004, and she received the American Dental Association's 2003 Golden Apple Leadership Award and the FDA's 2002 Service Award. She is a fellow of the American College of Dentists and was inducted as a fellow in the International College of Dentists in 2004.

Jernigan graciously made the drive to Gainesville from Pensacola to receive her Alumna of the Year award in person – despite the fact she was still recovering from the massive destruction wrought by Hurricane Ivan only six weeks earlier. Her practice lost its roof during Ivan's rampage and her patient family has been severely impacted by the widespread ruin to homes and businesses throughout the Pensacola community. ♦



Caton receives Honorary Fellowship

The Academy of Alumni and Friends bestowed honorary fellowship on longtime college friend **Randall B. Caton** during the Oct. 29 Dental Fall Weekend activities. The fellowship was offered in recognition and appreciation for Caton's "exceptional contributions and services to dentistry and dental education."

Caton, who earned his dental degree from Emory University, has an association with the college that has spanned more than 30 years. He served as courtesy faculty in the Department of Oral and Maxillofacial Surgery, then as a member of the college's Admissions Committee – a commitment he recently relinquished after nearly 20 years

due to his desire to establish a dental mission in association with Gainesville Community Ministry and to participate in foreign mission trips.

For the past 20 years, Caton has welcomed pre-dental students into his practice to shadow him as he provides care to patients. Many of these students were accepted into the college and have become successful dentists in their own right.

"I have a passion to share my joy in doing what I do with bright and motivated young people," Caton said. "I have been very blessed to have been able to practice in the greatest health care profession for 32 years."



From left to right: Kimberly Jernigan ('97), James Ruskin ('81) and Teresa Dolan.

International College of Dentists

A cadre of UFCD faculty and alumni were inducted as fellows into the International College of Dentists during the organization's Oct. 1 convocation in Orlando, Fla. These included **Teresa A. Dolan**, **Gary E. Herbeck** ('78), **Tricia E. Bradley Hess** ('97), **Kim U. Jernigan** ('97), **Rudolph T. Liddell** ('82), **Jolene O. Paramore** ('88), **James D. Ruskin** ('81), and **Don E. Tillery, Jr.** ('84). Fellows are inducted for their "outstanding professional achievement and meritorious service" to the profession of dentistry and to their patients.

Senior Faculty Honored

Retired faculty members (from left to right) **Eugene Speigel**, **Hector Bethart** and **Stanley Lotzkar** joined 10 of their peers during the Dec. 13 Senior Faculty Luncheon.



Gator Grads get in the groove

Ocala Gator Grads **Bill Clark** ('85), **Andy Cohen** (ortho residency '94) and **Scott Jackson** ('95) have a lot in common... Known as the 3D Band (for 3 dentists), they see patients by day and an audience by night. Recently featured in "Ocala Life Magazine," the 3D Band is gathering a following and includes (left to right) Bill Clark, Andy Cohen, sound technician Spencer Glover, Robert Bjork, and (holding guitar) Scott Jackson.



PHOTO COURTESY OF OCALA LIFE MAGAZINE, A PUBLICATION OF THE OCALA STAR BANNER

In Memoriam

Edgar Allen Cosby died Aug. 22 in Gainesville, Fla. at the age of 83. Dr. Cosby left a legacy of community service and educational excellence that helped shape Florida's dental community.



His work as an adjunct professor in the department of oral and maxillofacial surgery at the UF College of Dentistry from 1981 to 1992, and as a member of the college's the admissions committee, touched the lives of hundreds of UFCD alumni over the years.

He was chairman of the state board of dentistry from 1978 to 1979, and was a member of Pierre Fauchard Society; American College of Dentists; International College of Dentists; Florida Medical, Dental and Pharmaceutical Association; National Dental Association; and American Dental Association.

He also held hospital appointments in oral surgery and general dentistry from 1958 to 1993 at Alachua General Hospital, North Florida Regional Medical Center and Shands at the University of Florida.

Born in Philadelphia and raised in Chicago, Dr. Cosby attended Fisk University and was a 1948 graduate of Meharry Medical College. He opened his Gainesville dental practice in 1950, after completing an internship and residency in St. Louis. He served as a captain in the U.S. Army Dental Corps from 1952 to 1954.

Dr. Cosby was a member of Greater Bethel A.M.E. Church in Gainesville, where he served as a trustee; Elks; American Legion; Fla-Jax Club; Kappa Alpha Psi Fraternity; and a life member of the National Association for the Advancement of Colored People.

Survivors include his wife of 57 years, J. Leslie Cosby of Gainesville; daughters Leslie Carolyn Edwards of Rochester, NY, Dr. Joyce Cosby-Harris of Atlanta, Ga. and Edna Jeanne Cosby of Kansas City, KS; a brother, Walter Cosby of Chicago, Ill.; and four grandchildren.

Keith James Francois, 45, passed away peacefully in the company of family and friends March 17. Memorial services were held in Jacksonville, Fla., where Dr. Francois lived since 1992, and he was buried at his hometown of Church Point, La.



Dr. Francois was an oral and maxillofacial surgeon with practices in Jacksonville and Gainesville, Fla. In addition to his many teaching positions, fellowships and appoint-

ments, it was Dr. Francois' patients and their care that gave him the greatest joy. He earned his dental degree from the University of Florida College of Dentistry, from which he graduated class valedictorian in 1985. Dr. Francois went on to complete residencies in Chapel Hill, N.C. and Gainesville, Fla.

Dr. Francois was preceded in death by his mother, Joyce Francois, whom he loved dearly. He is survived by his life's partner, Del Galloway of Jacksonville, Fla.; his father, Burley Francois; and his sisters and brothers, Jolene Comeaux, Carl, Peggy, Leonard and Christine Francois, their spouses, children and many nieces and nephews. His extended family includes Merline and Joseph Spencer, Nancy and Lana Racine, Paul Augustus and Diane Galloway, and Paul Franklin Galloway.

Carol E. Williamson, 51, died March 4 in Ocala, Fla., where she had been a life-long resident. She began her dental career as a dental hygienist in the practice of Dr. Richard Chace Sr. and Dr. Richard Chace Jr. The Chaces encouraged her to pursue a dental degree, and she completed her pre-dental requirements at Florida Technological University (now University of Central Florida) before entering dental school at UF.

After graduating with her dental degree from UF and completing two years of advanced education in periodontology at Louisiana State University, Dr. Williamson returned to Ocala to set up specialty practice in 1982. She soon got involved in organized dentistry and worked her way through the

chairs of the Marion County Dental Association to become president. From there, it was a case of never looking back and she went on to serve in many capacities within Florida's organized dental community.

Her service to the Florida Dental Association includes appointment to the association's Joint Committee on Dental Assisting Matters and the councils on Governmental Affairs and Education, as well as delegate to the Florida delegation to the American Dental Association. She also served as a media spokesperson for the FDA. Dr. Williamson served on the Florida Board of Dentistry from 1992 through 1999 and was appointed chairperson of the board in 1995 and in 1998. She received the FDA Service Award in 1999 in recognition of her service to the association and the Board of Dentistry.

Throughout her life, Dr. Williamson remained active with her alma mater and she held appointment as clinical assistant professor of periodontology at the college for 12 years. The college honored her for her dedicated service to the school and Florida dental community by naming her the Outstanding Alumna of 1994.

Dr. Williamson was a member of the Florida Society of Periodontics, the Southern Academy of Periodontology, the American Academy of Periodontology, and the UFCD Academy of Alumni and Friends.

She is survived by her parents, Mark E. and Marjorie E. Williamson, Tallahassee, Fla.; and brother, Craig E. Williamson, also of Tallahassee. ♦

Dr. Hays goes to Tallahassee

Charter class member **D. Alan Hays** is on his way to Tallahassee as a newly elected State House Representative. The voters of Florida District 25, encompassing portions of Lake, Seminole and Volusia counties, voted red on Nov. 2 to send him to the state's capital.

Rep. Hays will soon join UF's Gator Caucus of lawmakers during the state's 2005 legislative session and has been appointed to serve on the Agriculture & Environment Appropriations Committee, the Growth Management Committee, the Local Government Council and the Health Care General Committee.

To visit Rep. Hays' legislative Web page, visit www.myfloridahouse.gov and select his name from the drop down list of Florida representatives.



HAVE SOME NEWS YOU'D LIKE TO SHARE?

Drop us a line to let us know how you are! Contact Sue Guido at (352) 392-4384 or E-mail aguido@dental.ufl.edu.

FUTURE TENSE ...continued from page 12

tioners and meeting access to care needs in the state."

Dolan and her team have organized the project into three defined objectives. The first is to reinforce the college's technology infrastructure, such as the server room capacity, and install mobile VC carts in the college's community-based and partner clinics. The second is to develop the college's capacity for live demonstrations, collecting clinical educational materials and then utilizing the VC suites to share them across the college's clinical sites. Development of Web-based educational materials is the third goal, the first example of which is the college's oral pathology case of the month Web site, which will draw on the college's established oral pathology diagnostic services, featuring real cases submitted by private practitioners and the college's faculty, residents and students.

"I think the HRSA grant will help us increase our capacity to share information and develop and deliver educational products in a new way," Dolan said. "It will cause us to have some conversations about the way we do our business today. Digital radiography alone is a huge transformation of the way we collect radiographic images, the way we store them, and the way we access those images for clinical, teaching or research purposes."

It is anticipated that digital radiography will facilitate the college's goal of developing completely paperless patient records at some point in the not too distant future. Transportability and access to patient information is key to Dolan's vision of teledentistry. Her ideal is that teledentistry should make it possible for an expert in Gainesville to view patient radiographs from a Web interface or conduct an oral exam of a patient at a remote location using the VC equipment.

"Whatever we learn from this project we will share in the literature," Dolan said. "I think these technologies are something we have a responsibility to become knowledgeable about and we need to incorporate them into our teaching so our students will leave here with the most contemporary dental education we can provide."

Although it may seem "Jetson-like" and foreign to us now, teledentistry using video-conferencing technology will soon be as commonplace as other techno-newcomers like cell phones, email and the Internet itself.

"People don't realize how easy it is. It seems so futuristic that people just can't understand the future is here and they need to take advantage of it," Kubitz said. ♦

Ninth Annual Senior CONVOCATION

Senior Convocation, sponsored by the Academy of Alumni and Friends, was held Oct. 28 at the University of Florida's Emerson Hall. Seniors, their family and friends, faculty and alumni gathered to mark the academic milestone of the graduating seniors' academic achievement in the college's D.M.D. program – celebrating the senior's imminent transition from dental students to dental professionals.

To the class of 2005, I say tonight: congratulations!

The defining moment is almost here – the awarding of the Doctor of Dental Medicine degree – so long sought after, so arduously worked for, so often dreamed of...WOW it's really going to be DOCTOR pretty soon now! The light at the end of the tunnel is fast approaching!

We are here tonight to pay tribute to you as the consummating moment nears.

I cherish our time together and your selection of me as your advisor for these four years has been particularly special because you will be the final class I will serve as advisor – as you graduate, I anticipate my retirement in just two more years. I therefore savor our time together more than my words can express tonight.

YOU have made history here. We all have inherited a part of the history that has made a college such as this, and a class such as yours. We are proud of you, and we expect that the contributions you will make as

you define your own vision will make each of you a professional contributor to the profound history of dentistry.

We all hope that your contributions to our collective heritage will be daring and exciting, courageous and illuminating, care giving and kind, healing and powerful, appreciated and lasting. For you see, you are about to become artists: masters of our art, applied scientists, healers in society.

Our collective art is what makes dentistry what it is – scientifically based, ethical, sincere, and artistic.

"An artist is a person of profound and lasting influ-

ence." The healing art which dentists render, should be indeed, of lasting influence in the lives of its recipients, much like the art of great performers, choreographers, doctors and teachers whose insights, and whose performance has surely improved the life of mankind throughout the centuries.

As you assume your professional lives, "I would ask you to remember that you are influential and accept fully the responsibility that is imposed by talent and learning - because it is powerful. It is compelling." You are men and women with a medical destiny, and as you leave our college I hope that you will feel your own personal sense of that destiny; that during your time here we have shown you some means to fulfill our collective mission.

The care and the commitment to society that attracted you to dentistry and supported you thus far will be the emotional fuel to feed the fire of your desires and build your future.

Just as the art in a gallery or the art performed in a symphony hall invigorates the spirit, so too does our art invigorate those trained to heal. You are now trained to heal, and we pray that you will approach that mission with intensity that, in so doing, you will not only refine your healing art, but also find higher means to use it.

As the message of the artist painter is about human experience, the message of the artist healer is about improvement in life. Much depends upon how the healer performs; his or her talent, his or her mood, his or her ethics, his or her imagination; and, the future is up to your imagination!

You will define the environment in which your art is created. In so doing, I would urge that you be true to our collective ethics, retain your professional curiosity, continue to study and learn, and respect one another always.

Our intent this evening has been to provoke you to reflect for a few moments on your future. We, your teachers, have had the opportunity to share a little of life with you: to share the beginnings of your professional life. It has been an honor and a joy to do so. We will also share, vicariously, in your future.

As that future unfolds, I would suggest that you be curious, use your own imagination, challenge the



future and enhance your professional life, seeking not only truth but skill. Enliven your healing art with new science and new methods and new media.

"Remember that art is not only the music we play, the dance we dance, the play we act, it is the summation of our experience." It is our education. It is our proficiency. It is our love for each other. It is our profession. It is our future. It is our dentistry.

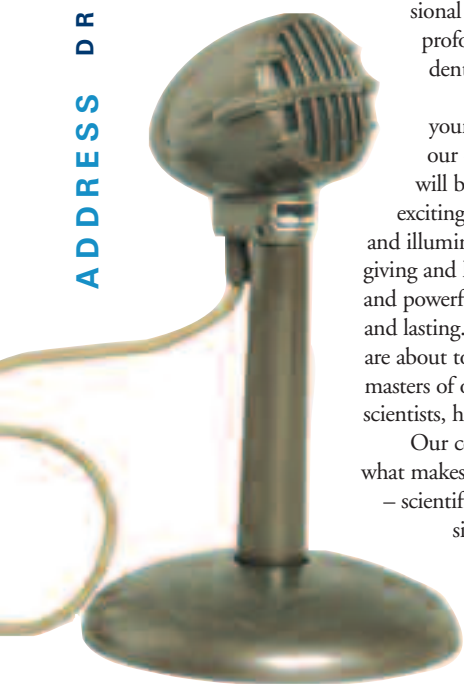
Dentistry is both an art and a science. Therefore it follows for you to be the scientist you are trained to be. I would ask you forever to be the artist who creates and molds, and eases pain, and makes lasting improvement in the lives of those who seek your art; and, at the same moment, enjoy the life you have studied so hard to live; because, "art is living and our living is an art."

My sincerest wish now for all of you is that you will prosper as you make others well.

Shakespeare said, "To thine own self be true. He also said, For now sits expectation in the air." Tonight we are poised, as you enter the final moments of your dental school experience. We are knowledgeable about our history, conscious of this present and excited for your future. Congratulations AND thank you class of 2005. ♦

Quotes by: Malcolm Morrison, Hart School, Hartford, CT

ADDRESS DR. GREGORY SMITH





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PHOTOS

- 1 Dr. Gregory Smith, professor of operative dentistry and faculty advisor to the Class of 2005, delivered a memorable and heartfelt address.
- 2 Brandon Alegre (left) and Cody Goslinga.
- 3 Brad Woodham and wife, Denise, are proud parents of new baby, Devon Elyse, 2 months. Three-year-old son, Connor Jack, stayed home for the event.
- 4 Romia Goff (left) receives his name-plaque and congratulations from Dr. Ron Askeland (center) and Dr. Laurence Grayhills (right).

- 5 From left to right: Mackey Gremillion, Dr. Henry Gremillion, Jeanne Grimaudo and Dr. Joe Grimaudo.
- 6 "Three Graces," Deidre Pittman (left), Karen Reid (center) and Olubisi Aina (right).
- 7 John Gammichia ('95) was the keynote speaker for convocation, giving seniors the benefit of his experiences as a new dentist just entering practice.

ACADEMY of ALUMNI
and FRIENDS
OF CPD

FNDCC

Florida National Dental Congress 2004



1. UF President Bernie Machen addressed dental alumni during the college's alumni appreciation luncheon. President Machen also served as FDA keynote speaker during the association's membership assembly.
2. John Redd ('92) with wife, Elizabeth, and son, Harrison, at the UFCD reception.
3. UF students Bhavita Patel (left), James Chen, Cathy Taylor, Mindy Hall and Shreena Patel enjoy the reception.
4. From left to right: Ulrich Foerster, UF professor of oral surgery, Jackie Love of the University of Alabama at Birmingham, Marta Miller from

continuing education, and UFCD Communications Director Lindy Brounley staff the UFCD booth in the FNDC exhibit hall.

5. Richard Blackman and Susan Byrne ('99) with children Nick (11 months) and Samantha (3).
6. UF professor and FDA president, Sam Low, FDA President-Elect Alan Friedel, and Steven Bogdanoff ('80).
7. John Gammichia ('95) and wife, Hilda, with children (from left to right) Luke (5), Noah Daniel (7 months) and Madison (3).

Giving

Dentistry and Office of Global Health work together to send dental equipment to the Dominican Republic

The container truck was a day late and 20 feet shorter than promised, but Michael Parsons, Ph.D., director of the Health Science Center's Office of Global Health, was thrilled to see it backing up to the HSC loading dock Dec. 7. The container was slated to transport donated equipment to Catholic Northeastern University in the Dominican Republic, and Parsons' office had worked hard to facilitate the transaction.

two of the dental chairs to go to the "Instruments of Peace" dental charity established in the Dominican Republic by UF dental alumna, Ivis Corbo-Alvarez ('95).

The remaining 16 chairs were installed in Catholic Northeastern University dental clinic during Garvey's UF dental mission trip to Dominica the second week of December.

The equipment is not new – many of the dental chairs date to the college's 1976 opening – but it has been well maintained and will be greatly appreciated in the Dominican Republic.

"It's going to be like Christmas morning when they open the doors of this container over there," laughed Martinez. Born and raised in Miami, Fla., Martinez is of Dominican descent and still has family living there. He joined Garvey on the college's December dental mission to the Dominican Republic.

Garvey's mission team this year includes 21 UF dental students, three private practice dentists and one dental assistant. Last year, the dental mission team provided free dental care under very primitive conditions to more than 400 Dominicans in remote mountain villages.



WCJB-TV 20 camerawoman Ashley Glass tapes the first chairs arriving on the dock. A report on UF's donation to the Dominican Republic's Catholic Northeastern University later aired on TV20's 6 o'clock news.

"The donation of such equipment is in keeping with a key philosophy of the UF Office of Global Health to ensure equity in the relationship between UF and its health care partner universities for their invaluable assistance to our teams in the field," Parsons said. "In addition, such donations serve as a more long-term, and therefore more sustained, aspect of the overall international health outreach provided by UF."

As soon as the truck was docked and chocked, Parsons, joined by Timothy Garvey, D.M.D., UF professor of pediatric dentistry, second-year dental student Miguel Martinez, as well as Butch Dees and Charles Lesch of dental maintenance, began loading the container with 16 dental chairs and assorted operator's and assistant's chairs donated by the College of Dentistry, as well as an autoclave sterilizer and two dental radiograph cameras.

Because the container that arrived Dec. 7 was smaller than expected, a second container was sent from Jacksonville to "pick up the slack" of the first shipment. The second container loaded Dec. 8 with nearly 100 walkers donated by Gainesville Medishare, another two dental chairs and a large radiograph machine.

Garvey, who has led dental mission trips to the Dominican Republic since 1987, wants the radiograph and autoclave equipment as well as



Charles Lesch and Timothy Wescott close the doors and seal the loaded container. From Gainesville, the container was trucked to the Port of Jacksonville, where it was loaded onto a ship and transported to the Dominican Republic.

HOLD THE DATE!

Florida National Dental Congress 2005

JULY 7 – 9, 2005

Gaylord Palms Resort & Convention Center
Orlando, Florida

Friday, July 8

DAC Meeting, AA& F Board
Meeting and AA& F Reception

Gather among friends for a lively reception at the beautiful Gaylord Palms Resort; and visit the UFCD exhibit booth at FNDC to learn more about Continuing Education and upcoming alumni programs and events.

This is an enjoyable event sponsored the dental college with the support of the Academy of Alumni & Friends, held in association with the FNDC.



Dental FALL WEEKEND

Four furious hurricanes and an away-game weekend couldn't stop the festivities of Dental Fall Weekend. Despite low turnout, the weekend was a good one and folks enjoyed a relaxed and intimate homecoming hobnobbing with friends and classmates in Gainesville's beautiful Hilton Hotel.



1. From left to right: Ron Askeland, outgoing Academy of Alumni and Friends president, JoEllen Askeland, and Laurence Grayhills, incoming AA&F president.
2. Jan Westberry and Richard Carlson entertain baby Bell while Hal Morrison looks on.
3. Delta Class of 1979 25th Year Reunion. Front row left to right: Dale B. Batten, Jorge Coro, Dennis Connaughton, Esteban Mulkay and Edward Mortellaro. Standing from left to right: James F. Melzer, Gerry Weaver, Thomas Klement and Glenn Beck, Jr.
4. Iota Class of 1984 20th Year Reunion. Front row left to right: Richard Carlson, Doug Bogart, Paul Mevoli, Marcie Beck, Jan Westberry. Back row left to right: Hal Morrison, Scott Bell and Harold Enlow.

5. Dental Fall Weekend continuing education speaker Darrel W. Cain, C.P.A., delivered dual programs, "How to retire with millions," and "How to effectively buy or sell a dental practice." The programs appealed to both the seasoned dentists and senior dental students in the audience.

ACADEMY of ALUMNI
and FRIENDS
UTCD

CE Courses for 2005

Courses held at Gainesville unless another location is listed

2nd Annual Soft Tissue Oral Pathology Symposium **Mar. 4-5**

Neel Bhattacharyya, DDS,
Don Cohen, DMD, MS,
MBA, Joseph Katz, DMD,
Pam Sandow, DDS,
Carol Stewart, DDS

Radiology for Dental Auxiliaries

**Mar. 4-5, Apr. 1-2,
May 20-21, Aug. 12-13,
Sep. 23-24, Oct. 21-22,
Dec. 2-3**

Douglas K. Benn, B.D.S.,
M.Phil., Ph.D., Glenda
Guarino, C.D.A., M.S.
and Mae Bell Wilson,
C.D.A., A.S.

Perio: Creating Healthy Pockets Through a Workshop in Technology **Mar. 19, Nov. 12**

Samuel B. Low, D.D.S.,
M.S., M.Ed.

Snoring and Sleep Apnea: The Dentist and Sleep Disorders **Mar. 25-26**

Charles D. Smith, D.D.S.

Expanded Functions for Dental Auxiliaries

**Apr. 29-May 15,
Aug. 12-28, Oct. 14-30**
UF College of Dentistry
Faculty

Cruises: Seminars at Sea for the Dentist and the Dental Team

Jun. 11-18
Neel Bhattacharyya, D.D.S.,
MSD

Craniofacial Pain and Pathofunction Part IV (Mini-Residency)

Jun. 22-24

Henry Gremillion, D.D.S.,
M.A.G.D., Parker Mahan,
D.D.s., Ph.D., Melvin B.
Benson, D.D.S., Frank
Dolwick, D.M.D., Andre
Mauderli, D.M.D., Ph.D.

Craniofacial Pain and Pathofunction Part I

Aug. 18-20
Temporomandibular Disorders: Current Concepts

Henry Gremillion, D.D.S.,
M.A.G.D., Parker Mahan,
D.D.s., Ph.D., Melvin B.
Benson, D.D.S., Frank
Dolwick, D.M.D.

NEW Dental Hygiene Symposium

Aug. 27

Don Cohen, DMD, MS,
MB, Professor, Oral &
Maxillofacial Surgery &
Diagnostic Sciences,
Sharon Cooper, R.D.H.,
B.S., M.S., M.S.Ed.,
Robbie Hoskins, RDH,
Lorie Primosch, RDH,
June Sonntag, RDH.

Nitrous Oxide Psychosedation As Certified by Florida Law **Oct. 14-15**

Franci Stavropoulos,
D.D.S.

Craniofacial Pain and Pathofunction Part II

Oct. 20-22

Oral Facial Pain: Advanced Diagnosis
Henry Gremillion, D.D.S.,
M.A.G.D., Parker Mahan,
D.D.s., Ph.D., Melvin B.
Benson, D.D.S., Frank
Dolwick, D.M.D.

Drugs and Dentistry, Including Herbals and Natural Products:

Oct. 28 Latest Information to Keep your Practice Current
Richard L. Wynn, Ph.D.,
Lead Author of Drug
Information Handbook
for Dentistry

NEW Geriatrics and Dentistry **Dec. 10**

John Thomas, D.D.S.



C.E. Courses in Costa Rica

The University of Florida College of Dentistry has formed a partnership with Health Conundrums, LLC to provide educational courses in the exotic setting of Costa Rica in Central America. For small groups of 25 participants, the luxury 5-star Hotel Martino in Alajuela will host the courses, providing old world charm. While you are accumulating state-of-the-art dental knowledge, your family can enjoy the Olympic size pool, the spa and exercise facilities, as well as tranquil walks in the beautiful gardens. With year-round daytime temperatures in the 70s, eating outdoors is a pleasure. However, all bedrooms and educational rooms have air-conditioning.

You can also enjoy excursions to see the tropical rain forests, experience the hot springs at the foot of a live volcano, glide through the tree canopy in a cloud forest, and visit Pacific and Atlantic surfing beaches. For the adventurous, there is bungee jumping and white water rafting. And for those that prefer a more

leisurely approach for their fun, there is golf, fishing, and snorkeling. These are just some of the excursions you can take at surprisingly low prices.

Our CE course package includes 15 hours CEU for the attendee, plus 7 nights bed and breakfast for two, including taxes, for a great value of \$1,485. It even includes courtesy transport from the airport. On your free days you will find the tours in luxury coaches to be almost give aways. For example, an all-day tour with lunch and dinner including entrance to the hot springs is only \$77 per person.

To ensure a smooth passage throughout your stay, Health Conundrums, LLC will provide an American representative (a Gator) who lives in Costa Rica. He will be present throughout the CE days and at a regular time on the vacation days.

Come and join us in an academic adventure in Paradise.....

Wish You Were Here? Costa Rica Continuing Education 2005 Calendar

Oral Surgery for the Private Practitioner
April 12-19 • Dr. Matthew Dennis (#050759)

Bioterrorism – What should the Dentist know?
May 25-June 1 • Dr. Joseph Katz (#060087)

Seeing Through People – Radiological Diagnosis
July 19-26 • Dr. Douglas Benn (#050760)

The Dentist & Sleep Disorders: Snoring and Sleep Apnea
Aug. 3-10 • Dr. Charles Smith (#060088)

Evidence-Based Pediatric Dentistry
Aug. 31-Sept. 7 • Dr. Robert Primosch (#060089)

Stress-Free Oral Pathology
Nov. 9-16 • Dr. Neel Bhattacharyya (#060090)

For detailed registration information visit: www.dental.ufl.edu/CE/

REGISTER TODAY www.dental.ufl.edu/CE/

2005 EVENTS

FEBRUARY

Excellence in Action...

Keep it Alive in 2005

Academy of Alumni & Friends Annual Campaign

Kickoff in mid-February with a welcome letter from Dr. Laurence Grayhills, Academy of Alumni & Friends 2005 president

MARCH

Dean's Presentation to the Collier County Dental Association

Naples, Fla.

March 24, 2005

Plan to join Dean Teresa Dolan along with alumni and friends from the southwest Florida coast.

APRIL

Endodontic Alumni Reception

April 7, 2005 5:30pm – 7:30pm,

Wyndham Anatole Hotel in Dallas, Texas

Get-together with fellow Gator Endodontic

Alumni & Friends for CE and a reception held in association with the American Association of Endodontics.

JUNE

White Coat Ceremony

June 26, 2005

Sponsored by The Academy of Alumni & Friends, this professional coating ceremony celebrates our rising junior students' academic achievement and entry into direct patient care.

JULY

Florida National Dental Congress

July 7 – 9, 2005

Gaylord Palms Resort & Convention Center in Orlando, Fla.

Friday, July 8, AA& F Reception,

DAC and AA& F Board Meetings

Gather among friends for a lively reception at the beautiful Gaylord Palms Resort; and visit the UFCD exhibit booth for college news, upcoming events and opportunities.

SEPTEMBER

Dental Fall Weekend

Sept. 9 -10, 2005

Mark your calendars for a fabulous weekend with CE presentations featuring the theme, *New Technologies – The Future of Dentistry is Here!*, Fla./Louisiana Tech game, five class reunions, a reception, an alumni/ freshman breakfast, and Dental Ambassador college tours.

For more information, contact Sue Guido at 352-392-4384, email aguido@dental.ufl.edu, or visit www.dental.ufl.edu/alumni.



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