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Dentalgram

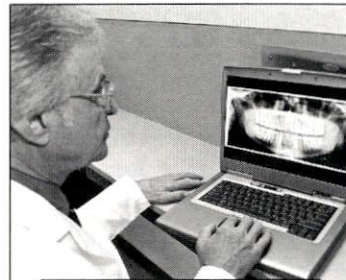
A monthly publication of the dean's office for students, faculty, and staff of
LOMA LINDA UNIVERSITY School of Dentistry

August, 2005
Volume 19, Number 8

In this issue

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LLUSD radiology clinic goes digital



Dr. Steven Morrow views a digital radiograph

The conversion of the LLUSD radiology clinic to perform digital radiography has been accomplished. The project was designed and implemented under the direc-

tion of Drs. Paul Richardson, associate dean for clinic administration, and Steven Morrow, director, patient care services, with the assistance of Marina Moore, manager of clinical computer systems; Carol Sorrells, supervisor, radiology clinic; Jean Honny RDH, assistant professor, dental hygiene; and Natalie Nairn, Renee Flores, and Lilia Gonzalez, radiology assistants.

Digital radiography is one of the fastest growing areas of technology being incorporated into dental practices around the world. It is essential that we add this technology to our dental school curriculum.

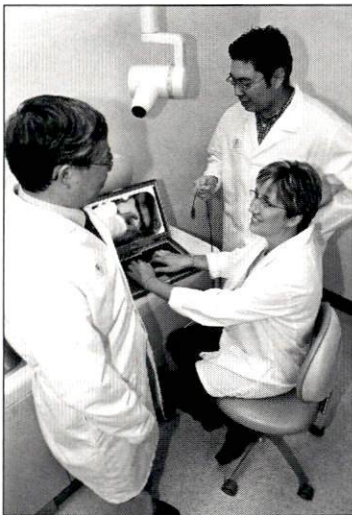
After an involved study and comparison of the digital imaging systems available on the market, the School of Dentistry chose the Phosphor Storage Plate (PSP) ScanX Digital Imaging System by Air Techniques Inc. This system has been operating in the pediatric dentistry clinic for about one year and the results have been favorable.

The phosphor storage plates used to obtain the images are the same size and shape as dental radiographic film. They have no wires attached that need to be connected to a computer, as is required with the digital sensor systems. The technique for placement of the intraoral PSP and obtaining the image is the same

as for radiographic film. The exposed PSP is then placed in a scanner and the image digitized and imported into the computer. This scanning process takes about 20 seconds. The image is then saved in the patient's E-Chart and can be viewed on a computer from any data port in the School. The image on the PSP is then erased and the plate can be used again. On average, the PSP can be used for 1,000 exposures unless it is damaged by being bent, bit down on by the patient, or scratched. The system also has the capacity to expose and scan occlusal and panoramic phosphor sensor plates.

Beginning in the summer quarter of 2005, digital radiography will become a significant part of the pre-clinical foundational knowledge and skills provided to second-year dental students in lectures and laboratory projects. The current second-year students will be required to use the digital radiography system as the primary method of obtaining dental radiographs for their patients in the pre-doctoral clinics. Beginning in the fall quarter of 2005, digital radiography will also become a part of the junior dental hygiene and the new student curriculum International Dentist Program.

It is our plan at this time for the current third- and fourth-year dental, senior dental hygiene, and remaining IDP students to have the opportunity to learn and implement the digital radiography system for their patients during the winter and spring quarters of 2006. This will be done on an elective basis and will obviously require that the student have a School-approved computer and be connected to the QR Patient List (E-Chart) system.



Dr. Yiming Li, director, Center for Dental Research (CDR), left, Alisa Wilson, project manager, and Carlo Carino, research technician, demonstrate the new digital radiographic system which includes a Kodak 2000 Intra-oral X-ray System, MediaDent digital sensors, and software. The system uses a very high frequency technology that obtains high quality radiographic images while reducing radiation exposure.



Natalie Nairn, radiology assistant, radiology clinic, scans a PSP plate into the intraoral scanner.



Dr. Alan Herford, director, oral and maxillofacial surgery department (left), and Lydia Partida (right) show how a digital pantomogram is acquired with a new state-of-the-art panoramic and tomographic imaging system (Planmeca). Assisting with the demonstration is Tammy Davis.

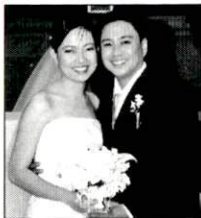
Department news

Welcome

Please welcome **Christopher Clack**, dental assistant, IDP. Chris is the son of **Fanell Clack, RN**, Surgery Center for Dentistry.

Congratulations

Congratulations, **Dr. John Domingo**, IDP'01 and **Maria Jacinta Sales-Domingo**, a physical therapist, who married April 16, 2005 at St. Joseph Husband of Mary Catholic Church in Las Vegas, Nevada.



Featured employee of the month: Nancy Rosenbaum

Featured employee of the month, Nancy Rosenbaum, senior dental insurance specialist, joined the School staff in April, 1994, when Dr. Schnepfer sold his practice. She has worked in the faculty endodontic practice for five years.

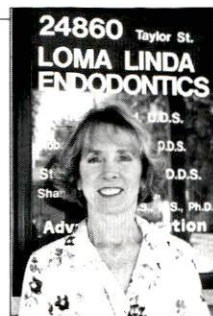
Like many employees, she decided to apply at the School at the urging of friends who think it's a great place to work. Nancy and coworker Beth Bernotas are the first contact many patients have as they enter the comfortable and quiet endodontic faculty practice waiting area. "No one likes to have a root canal," says Nancy. "But our patients often mention that they are appreciative of the care they have received."

Nancy handles finances and insurance

billing for the practice, and also assists with making appointments, answering phones which begin ringing before 8:00 a.m.

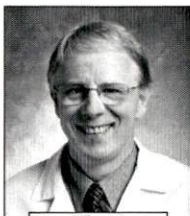
Nancy is married to Terry, a construction foreman. She is a busy mom to a daughter, stepdaughter, and has three grandchildren.

In her spare time, she enjoys reading mysteries and espionage novels. She and her husband look forward to vacations in the United States (RV camping, boating, water skiing, and kayaking); and travel abroad.



Nancy Rosenbaum

Faculty become diplomates of American Board of Periodontics



Tord Lundgren

Dr. Tord Lundgren, professor, periodontics, recently passed the second part of his specialty boards and is now a diplomate, American Board of Periodontics.

Dr. Lundgren has been

directing the advanced education program in periodontics since 2003.

In addition, Drs. Yong Liu, assistant professor, pre-doctoral periodontics; and Suraiya Rahman, former assistant professor, pre-doctoral periodontics, were named diplomates of the American Board of Periodontology, in May.

From counting pills, to peas, to paper, to pursuing new adventures



Shirley Purucker

"I went from counting pills, to counting peas, to counting paper," recalls Shirley Purucker. "I counted pills in a doctor's office; peas as a food service worker; and finally I counted paper during the years I worked for the School of Dentistry."

On her first day at work, Shirley remembers being given a tour of Prince Hall by Nancy Davidson, and then retreating to the copy center on the fifth floor. "After Nancy's tour, I saw very little of the School as I rarely ventured out of the copy room," she says.

Shirley recalls learning the moods and fitness of the four copy machines that retired before she did. "They talked to me," she says, learning to hear a loose belt or part on its last legs and calling in the repair person just in time.

Though it was predicted that computers would create a paperless society, Shirley observed something different. "When I arrived, we would order five boxes of paper and it would last up to three weeks," she shares. "And today, we order 15 to 20 boxes a week, depending on the project." This has added up to well over 22 million copies

Shirley made, that supported departments in the School, graduate programs, and faculty dental offices, to name a few. Shirley's office was a final step as many projects in the School (including the accreditation process and continuing dental education), were completed. Shirley looks forward to continuing to serve the Colton Seventh-day Adventist Church as an elder (she sometimes gives the sermon), and many creative hours spent painting. *Shirley, we miss you!*

August birthdays

Tammi Aceres	FDO/Perio
Derrick Baca	Dent maint
Gina Cuccia	Outpt Surg Ctr
Lisette Desia	Bio-materials
Danielle Garland	Ortho
Patricia Martinez	Ortho
Katherine Merriam	Dent maint
Brian Morana	Data entry
Brandie Noyola	CSD
Susan Parker	Impl dent
Rae Peterson	SCD
Claudia Prieto	Endo
Paul Richardson	Clinic
Kevin Scott	Int dent progr
Carl Sheline	Comp sves
Marci Stirl	Fac dent ofc
Merrill Schmidt	Endo
Ruth Summers	CSD
Richard Tinker	Ed suppt sves
Gerardo Toledo	Endo
Alanna Wilkinson	Clin admin
Patricia Winkler	Comp sves



Above: Dr. Goodacre (right) speaks during a farewell reception for Shirley Purucker and (left photo) thanks Shirley for her years of service.



A letter from Shirley:

Thank you! July 6, 2005, was a very high point in the list of special events in my life. Cakes, punch, hugs, kisses, gifts, and warm wishes—given by the most thoughtful people with whom I had worked for more than 15 years. God gave us a special gift to capture such wonderful times; it's called *memory*. You have secured a glowing place in the crossroads of my mind where the roads forever and cherished meet. Yes, memories are sweet. God bless and thanks again.

—Ex-copy, Shirley Purucker

Turning water into wine in Galapagos

"Galapagos Mission," that's what first caught my attention. The Galapagos Islands is the region where Charles Darwin spent five weeks gathering his materials that inspired him to postulate the theory of evolution, "Survival of the fittest."

Little did I know on the day of our orientation that the students who had signed up for the mission were first-year dental students and a first-year dental hygiene student. The group included first-year dental students Lora Ota, Kevin Miller, Jeffery Rho; and first-year dental hygiene student, Tina Wister.

As the departure date approached Wendy Gregorius, a second-year dental student, came to see if she could join our mission trip.

On June 9, 2005, we left LAX at about 2:00 a.m. and stopped over in San Jose, Costa Rica. We arrived at Quito, Ecuador, at about 1:45 p.m. on the same day. When no one met us we called the School of Dentistry and Susie Newberry, administrative assistant, department of service learning, told us where we would stay for the night. The following morning we met Dr. James Joseph, who had arrived late the night before.

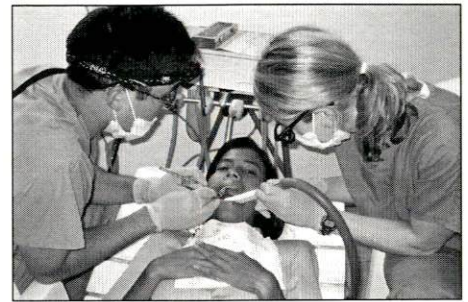
At 6:00 a.m. Sunday, we left with Dr. Joseph to San Cristobal of the Galapagos Islands. We were met by Dr. Pedro Pilamunga, our Red Cross coordinator in Santa

Cruz, where we would be spending the next 12 days on the island. We then traveled on a boat that took us to Santa Cruz, one of the 13 volcanic islands that make up the Galapagos Archipelago.

When we arrived at the Red Cross clinic, we wasted no time setting up our offices in the Cruz Roja (Red Cross) building. We had two 10-foot by 10-foot rooms to work in. We put our compressor in one of the rooms and found that the noise was unbearable, so we rigged it on the rooftop above our operating space. We had three lawn chairs that served as our "Dentaleze" for our patients' comfort.

We had a variety of patients in terms of age and dental needs, giving the students a broad spectrum of learning opportunities and skill development in oral diagnosis and treatment planning. We had a great team of students who demonstrated their innate skills, compassion, and patience. The students were teamed in pairs, with opportunity to rotate. This arrangement allowed them to learn from, and help, each other.

During the nine days we were there, we saw 213 patients, did more than 90 cleanings, put in about 42 composite fillings, 25 amalgam fillings, and 24 glass ionomer fillings, extracted 32 teeth, placed 8 composite veneers, placed 6 sealants and did 3 oral surgery procedures, one of which was a biopsy of a traumatic fibroma. We provided approximately \$20,815 in dental procedures.



Jeffery Rho, SD'08 and Wendy Gregorius, SD'07 clean a patient's teeth during their mission to Galapagos.



Pictured, from left: Drs. James Joseph from Phoenix, Arizona; Pedro Pilamunga, Quito, Ecuador (a physician with Red Cross), and Charles P. Lee take a moment from seeing patients, to pose for a photo. Dr. Joseph coordinated the trip and Dr. Pilamunga assisted the group with travel logistics.

We are glad that we were given this wonderful opportunity to serve the people on this island. Our thanks to NASDAD and many others who helped fund these mission trips to enrich the experience of our students.

—Drs. James P. Joseph & Charles P. Lee

Welcome, new residents: advanced education program in endodontics

Four new residents joined the advanced education program in endodontics on July 1, 2005. This is the third group of residents to enter the program since it expanded to 27 months and some experience in implant dentistry was included. The department of endodontics welcomes the new residents.



Dr. Joshua Gorman received his BS degree from Texas A & M University (1997) and his DDS degree from University of Texas, Houston (2002). Since graduating he has been an associate in a busy family practice in Pasadena, Texas.



Dr. Diana Kutsenko came from Russia to the U.S. with a strong interest in pursuing an education in dentistry. She earned her BA degree from University

of California, Berkeley (1998) and her DMD from Harvard School of Dental

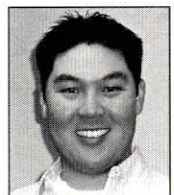
Medicine (2003). She has been in private practice until entering the residency.



Dr. Bradley Newberry did a combined six-year degree program earning a BA degree in biology and a DDS degree at University of Missouri, Kansas City (2002). Prior to coming to LLUSD, Dr. Newberry was stationed at Sheppard Air Force Base in Texas. He was an officer in charge of radiology and flight dentistry, and practiced as a member of the general dentistry staff.

Dr. Franco Tarm received his BS (1996) and his DDS (2001) degrees from

University of California, Los Angeles. Prior to entering the residency, Dr. Tarm practiced as an associate dentist in San Francisco, California.



EXTERNSHIP PROGRAM IN ENDODONTICS

Dr. Niyati Patel from India will be attending the department of endodontics during summer quarter 2005, as an extern. She received her BDS (1966) from Bharti Vidhya Peth Dental College and is now a permanent resident of the U.S., practicing dentistry in Murrieta, California, for the past three-and-a-half years.



Dental hygiene students compete at ADHA



Dental hygiene students Lindsay Saunders (*not pictured*) and Melissa Vogt (both SD'05) took first place at the student table clinic competition during the American Dental Hygienists Association in Las Vegas for their study, "Water heating unit effects on bacteria in dental unit waterlines." Pictured are students who participated in the table clinic competition, (l-r): Melissa Vogt, Ryan Cochrane, Tracy Adams, Joni Stephens, professor and research course director, Arlen Blandino-Edson, Sheila Alexander, Jackie Becerra, and Jeanette Aviles.

Spring quarter Dean's list, 2005

Class of 2008

Melissa Bassham, Marie Baumgartner, Matthew Chung, Matthew Cilderman, Jennifer Clark, Bryan Fletcher, Michelle Hoag, Jessica Horricks, Philip Horsley, Jeffrey Hwang, Neal Johnson, Tera Johnson, Pauline Karunakaran, Nathan Latimer, Jaime Lee, Jared Lee, Brian Lin, Audrey Mojica, Patricia Ramos, Jonathan Reth, Jeffrey Rho, Ryan Rudd, Shayna Sanchez, Stephen Scheult, David Self, Daniel Siriphongs; Elisa Song, Helen Song, Andrey Ustinenkov, John Will, Janelle Yang

Class of 2007

Christine Aufderhar, Leslie Butler, Eunduk Choi, Diana Clinciu, Michael Cooper, Krystle Fenton, Tiffany Graham, Meghanne Gromis, Siri Harrington, Christina Hoybjerg, Robert Huang, Andrew John, Bethany Kronberg, Tiffany Lambertson, David Lee, Erina Lee, Melissa Lee, Timothy Lewis, Wini Luong, Christopher Morris, Travis Nelson, Jamie Pragasam, Reo Pugao, Vanessa Pulido, Kongkiat Ratanatharathorn, Matthew Sanders, Robert Shearer, Montry Suprono, Elizabeth van den Hoven

Dental hygiene class of 2006

Holly Antuna, Sarai Armijo, Marlyn Betancourt, Denise Campas, Shanan Carlson, Megan Clarke, Janelle Cobb, Cathryn Dawson, Ashley Ellison, KeriAnne Kubrock, Shawn Leetch, Rachele Reaney, Desteen Stroh, Kimberly Thielen, Tina Wister

IDP class of December 2005

Jay Ayass, Rosemarie Sheline

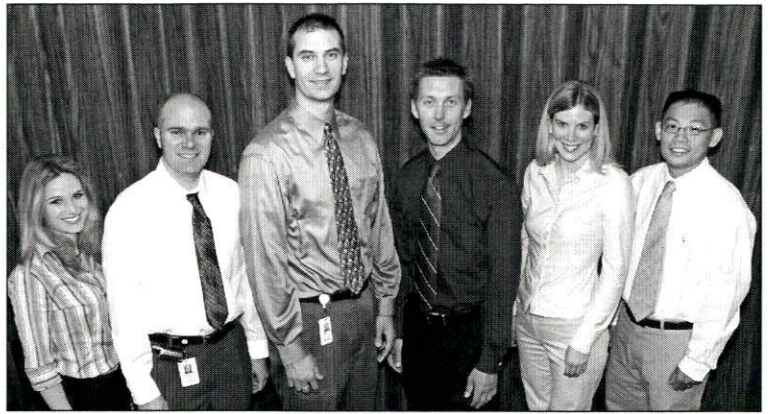
IDP class of May 2006

Ming Zhao

IDP class of December 2006

Moutaz Alsahli, Lovegel Dealca, Alexandr Doroshenko, Shuchita Gupta, Mukeshbhai Patel, Kathleen Saturay, Amrit Singh

Welcome, new residents: graduate program in orthodontics and dentofacial orthopedics



The graduate program in orthodontics and dentofacial orthopedics welcomed new residents on June 27, 2005. The class will graduate in 2007. Pictured, from left, are: Stacie Fenderson, SD'04; Marcus Paulson SD'05; Brett Garrett, Nova Southeastern University, 2005; Norman Carter, SD'05; Shannon Hilgers, Tufts University School of Dental Medicine, 2005; and Howard Lee, Southern Illinois University School of Dental Medicine, 2002.



The department held their annual welcome picnic Tuesday, July 5. The picnic was hosted by faculty, second- and third-year residents and staff. Here, the winners of the picnic relay race pose with their trophy. Pictured are (l-r): James Gibson, SD'03, third-year resident; Brett Garrett, first-year resident; Danielle Garland, orthodontic assistant; and Dana Nguyen, second-year resident.



Blackboard Tip of the Month for August

Adding faculty information

The Faculty Information Course tool allows you to introduce yourself to your students. You may include contact information, office hours, class locations, and information regarding teaching assistants.

If you have a picture of yourself, include that too. Remember to size your photo before you upload it. The recommended size is 150 x 150 pixels. Larger pictures will be resized, which could distort the image.

If you have a question about Blackboard or are interested in learning more about Blackboard, contact Leigh Ann Evans in Educational Support Services at ext. 88628.