

# LLUSD ARTICULATOR

The melding of compassion and competence in dental education



LOMA LINDA  
UNIVERSITY  
School of Dentistry

**Curriculum  
transformation  
continues**

**Patient Layla's  
"jaw in a day"**

**Just-in-time  
Homecoming  
2020**

**LLUSD manages  
a pandemic**

Volume 31, Number 1





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# LLUSD ARTICULATOR

The melding of competence and compassion  
in dental education.

VOLUME 31, NUMBER 1 SUMMER/AUTUMN 2020

**Articulator** (formerly **Dentistry**) celebrates with alumni and friends the School of Dentistry's efforts to combine compassion and competence in the education of oral healthcare professionals. LLUSD alumni represent the strength of that amalgam. The journal is published twice each year by the Loma Linda University School of Dentistry Office of Marketing.

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## LLUSD Mission

Loma Linda University School of Dentistry seeks to further the healing and teaching ministry of Jesus Christ by providing an environment wherein:

Students learn to provide high quality oral healthcare based on sound scientific principles

Patients receive competent care, which is preventive in purpose, comprehensive in scope, and provided with compassion and respect

Faculty, students, and staff value the patient relationship, respect diversity, and share responsibility by working together toward academic, professional, spiritual, and personal growth

Scholarly activity and research provide a foundation for evidence-based learning and enhance whole person care

The workplace environment attracts and retains a superior and diverse faculty and staff who motivate, educate, and serve

Our communities (local, global, and professional) benefit from our service, stewardship, and commitment to life-long learning.



*Indicative of what we hope is not the new normal, it's as if we are all surgeons now.*

## Editor's note:

With this issue of the *Articulator*, we introduce the School of Dentistry's first exclusively online publication of its alumni journal.

For some time LLUSD administration has been considering a transition from expensive printed and mailed editions of the Journal to a cost-saving electronic-only publication available to an even wider readership online. And then the economic exigencies driven by the COVID-19 pandemic made cost savings nonnegotiable.

A virtual alumni journal is one of many ways your alma mater is adjusting to necessarily tightened budgetary belts.

This first web-available-only *Articulator* focuses on the School's response to the zoonotic virus that has revised the way we live and serve. But the School's calling is unchanged and its service continues unswerving.

We are grateful for the various ways you have supported the School that trained you while we navigate the pestilence.

Doug Hackleman, MA

Editor

**The cover image is a stock rendering facsimile of the virus that has been causing all the fuss. It looks rather like a short-needed sea nettle or a long-spiked clothes dryer ball. But it has some of the unfortunate properties at the microscopic level analogous to velcro come to life.**



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Gifts of \$1,500 or more to any School of Dentistry fund qualify you for Dean's Circle membership and benefits.\*

More information regarding the Dean's Circle and other School of Dentistry giving opportunities can be found at [dentistry.llu.edu/about/giving-opportunities](http://dentistry.llu.edu/about/giving-opportunities).



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\*Gifts of \$1,500 or more must be donated within the same calendar year and received by December 31st to qualify for Dean's Circle membership.



## DEAN'S MESSAGE

### *Covid complications*

As many of you know from personal experience, even if you don't contract the virus, living with COVID-19 complicates your life, and it creates for a school of dentistry complications exponential.

However, if you had to suffer a pandemic with any group of people, I recommend to you the students, staff, and faculty of Loma Linda University and in particular those of the School of Dentistry.

Everyone has responded to the emergency by kicking it into another gear of voluntary and creative problem solving.

Think of the radical, life-affecting adjustments that we all have had to make suddenly. Then imagine faculty members having to revise all their didactic classes to virtual delivery, almost overnight and on the fly.

Consider the multiplied frustration of students whose clinical experiences are more challenging to obtain in order to complete requirements necessary for graduation.

Because of the inherent and almost continual proximity of the patient and provider relationship, the nature of the oral healthcare professions involves higher potential exposure from the virus than many aspects of general medicine.

Contemplate the essential adaptations for the School's clinics to treat patients that now require a clear COVID-19 screening result followed by social distancing in the waiting areas, the hallways, and the operatories on the clinic floor. Top that off with the minimization of aerosols and the various reduction practices utilizing new devices to contain treatment-generated particulate.



*Dr. Robert Handysides*

Lest anyone interpret my remarks as pessimistic, all is not lost. In fact, I want us each to focus on the positives. In light of everything, there is a swell of unity. We have worked together as a community, we have drawn strength from each other, found that we brainstorm as an effective team, and have taken collective satisfaction in discovering solutions. Our passions for patient care and student education surmount unseen barriers and have promoted progress.

For these reasons and more we are eternally hopeful. We especially appreciate your good wishes, your wisdom, and your prayers.

Respectfully yours,

A stylized, handwritten signature in blue ink, consisting of a large, sweeping 'R' followed by several loops and a long horizontal stroke.

Robert Handysides, DDS  
Dean



## WHERE ARE THEY NOW?

**Brief updates on the noteworthy professional and personal activities of LLUSD alumni**

### Scott Brookshire

His Oxnard high school had an enrollment of 1,300 when **Scott Brookshire** (DDS'93) graduated. Today he practices in Craig, Alaska, population 1,397. Craig is located on an island, accessible only by ferry or air.

"I figured I would be here two or three years," Scott admits, adding, "That was 27 years ago." Why is he still in Craig?

"The fishing is wonderful. We occasionally encounter a bear on the front porch. Eagles perch in the pine trees outside our house. Being in the middle of nowhere, I've had to learn to do braces, oral surgery, dentures, implants—great variety. It's nice to have people who know you—the person who bags your groceries, sells you socks, or cuts your hair. This is the norm here."

Craig offers challenges. Island residents' social ethic is tied to the seasons. An employee will simply "disappear" during deer season to lay up venison for the winter. Many patients have never seen a physician. When Scott spots a serious medical problem, his office goes into high gear, negotiating travel in a network that ensures a doctor in Ketchikan will see patients sent from the dental office.

"I do many things for patients who wouldn't go down the road to find help elsewhere," says Scott. "I'm content."



**Dr. Scott Brookshire**



**Ms. Sandy Pappas**

### Sandy Pappas

**Sandy Pappas**, BS'87 (DH), says her career choice, dental hygiene, has given her desirable flexibility. Initially she worked full time (five years) in an office. In what she calls a start and stop career, she stopped dental hygiene to pursue motherhood duties. Returning to her practice, she found that except for computer involvement, the science of cleaning teeth is pretty stable. She also briefly enjoyed a part-time teaching assignment in the LLUSD

Department of Dental Hygiene.

An enthusiastic snow/water skier, she introduced the joy of skiing to her family members. She also volunteered at Big Bear, California's, adaptive ski school, where students have to sit down to ski or work with other disabilities such as visual impairment or blindness. Soon her son and daughter joined the volunteers. Her son was an apt "jumper" for water skiers; sitting in the back of the boat as ski novices let go of the rope, he would jump in immediately to help them keep upright.

Surveying her life now—with son and daughter in college, husband (James Pappas, LLUSM'85) busy with his epidemiology practice—Sandy can be found one day a week in her practice; she is also an instructor at Koyuki Aoinagi Karate in Redlands, California, which pairs nicely with her predilection for pursuing an active life.

### Peter Nordland

**W. Peter Nordland**, DMD (PG'80, PG'82), is the developer of microscopic instrumentation and creative procedures that have become the gold standard in oral plastic surgery related to regeneration of gingiva (gum tissue). He credits his research-based education at LLUSD for sparking his inventive surgical skills. He proudly identifies at least ten relatives who are graduates of LLU, including his wife and two daughters.

Co-founder and current president of the International Society for Periodontal Plastic Surgeons, Dr. Nordland combines his La Jolla periodontics practice with a teaching/lecturing schedule. He has presented more than 400 professional papers and lectured at more than 30 US dental schools. International teaching has taken him to destinations such as The Netherlands, Mexico, Japan, India, Canada, Belgium, Chili and Germany. As a lecturer he enjoys using humor to raise the learning/teaching curve but admits that talking through an interpreter diminishes the impact of his humor.

Dr. Nordland currently is preparing Webinars to continue introducing surgical courses that encourage the use of the microscope to achieve precise surgical outcomes and a more sophisticated level of care.



**Dr. Peter Nordland**



**Ms. Delight Smith**

### Delight Smith

When she took a career aptitude test as a teenager, **Delight Smith**, BS'99 (DH), scored high for musician, dental hygienist, and teacher. "I was young and ready for adventure," she says, "so I earned a cello performance degree at Newbold College, England." Back home in California, she performed in Redlands and Riverside symphonies, La Sierra Little Orchestra, and at various weddings and church events. She combined music performance with child

rearing (three boys). When the boys were reaching teenage years, she assessed her career—and applied for the dental hygiene program.

"Dental hygiene was a good fit for me," she says. "I looked forward to going to work every day." When she also began teaching at LLUSD (2002) one day a week, she validated her career test assessment. "I loved teaching," she says. She found most students attentive to explanations coming from a hygienist practicing full time.

Retiring from clinic instruction in 2019, Ms. Smith still sees patients one day a week. Another day each week she volunteers babysitting skills to three grandchildren, ages six, four, and two. On trips with her husband (to England, Portugal, Kauai, Thailand, and Nova Scotia), she looks for opportunities to learn about oral healthcare in other countries.





# How will you leave your **LEGACY**?

● Drs. Edmond and Ella Haddad are leaving their legacy by giving the gift of opportunity. Both educators at Loma Linda University Health, they decided to make a gift through real estate. Proceeds from its sale established the Ella and Edmond Haddad International Student Scholarship in the Loma Linda University School of Public Health and added to The Labeeb Haddad Memorial Scholarship in Loma Linda University School of Dentistry.

*"Qualified students from all over the world should have the opportunity to receive a higher education. We believe everyone has something that they want to promote and for us that is love, peace and hope."*

*– Drs. Edmond and Ella Haddad*

To learn how you can give from your IRA account or about establishing a Planned Gift, visit [lulegacy.org](https://lulegacy.org) or call 909-558-4553.

**MANY STRENGTHS. ONE MISSION.**



LOMA LINDA  
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HEALTH



# Upcoming CE Courses (via Zoom)



*Dr. Alan Budenz*

## **Are Your Patients Getting Comfortably Numb?**

Sunday, November 1, 2020, 9:00 am – 4:30 pm

Lecturer: [Alan W. Budenz, MS, DDS, MBA](#)

## **Infection Control with COVID-19 Interim Recommendations and the California Dental Practice Act**

Sunday, November 8, 2020, 9:00 am – 4:30 pm

Lecturers: [Nancy Andrews Dewhirst, RDH, BS](#)  
[Christian Johnston, JD](#)



*Mr. Christian Johnston*



*Ms. Nancy Dewhirst*



*Dr. Gerard Kugel*

## **Esthetic and Restorative Dentistry: Materials & Techniques**

Sunday, December 6, 2020, 9:00 am – 4:30 pm

Lecturer: [Gerard Kugel, DMD, MS, PhD](#)

## **Hurts So . . . Swell!**

Sunday, January 10, 2021, 9:00 am – 4:30 pm

Lecturer: [Thomas A. Viola, RPH, CCP](#)



*Mr. Thomas Viola*



*Dr. Jeffrey Horowitz*

## **The Jacked-Up Dentition: Demystifying Full Mouth Rehabilitation & I've Got A Few Tricks Up My Sleeve! Tips to Make Everyday Procedures a Little Easier**

Sunday, January 31, 2021, 9:00 am – 4:30 pm

Lecturer: [Jeffrey W. Horowitz, DMD](#)

## **Clear Aligner Orthodontics**

Sunday, March 7, 2021, 9:00 am – 4:30 pm

Lecturer: [Donna Galante, DMD](#)



*Dr. Donna Galante*

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# CURRICULUM

## Curriculum transformation continues

In the drive to transform the LLUSD academic and clinical curriculum, Dean Robert Handysides, DDS'93, initiated a second Dean's Challenge (June 7) backed by another \$50,000 to be shared among the creators of the three curriculum contribution submissions voted best by the School's faculty, students, and staff.

Encouraged not just by last year's three winners but by the quality and innovations demonstrated by all of last year's ten submissions, Dean Handysides was convinced that another challenge would "stimulate even more development and growth." The second Dean's Challenge focus was "to improve our customer experience—customers being defined as students and patients."

A seven-point rubric was made available to all contestants, a panel of judges was selected, and a date (November 1, 2019) set by which the innovative curricula would be presented to the panel.

Nine groups made their presentations to the judges from which five were selected and made available online from where the LLUSD staff, students, and faculty could vote (until midnight December 6), rank ordering the three that impressed them the most.

The winners were announced December 13 at Faculty Advance Seminar and are pictured below.

### First place, \$25,000 — Portable Devices



**Lead:** Kiddee Poomprakobsri, MBA, DDS'12, MSD'18, assistant professor, Division of General Dentistry; **Collaborators:** Ji Yeon (Eunice) Chung, D3; Purin Chirachevin, D3; Steven Powell, DDS'87, assistant professor, Division of General Dentistry

### Second place, \$15,000 — Dental Rental



**Lead:** Charlotte Marshall, MBA (center), administrative assistant, Division of General Dentistry; **Collaborators:** Chan Mee Lee (left), D1; and Johnathan Kim, D3

### Third place, \$10,000 — Clinic of the Future



**Lead:** Matthew King (left), D3 **Collaborators:** Greg Mitchell, DDS'84, assistant professor, Division of General Dentistry (center); and Jhonny CastroTigre, D3

\* Dental student winners are listed by their class status at the time of the award.



## TRANSITIONS

# Holli Riter appointed chief medical officer for Koppel Special Care Dentistry Center

**H**olli Riter appointed chief medical officer for Koppel Special Care Dentistry Center.

Holli Riter, DDS'98, associate professor, Division of General Dentistry, and director, Clinical Quality Assurance, was appointed chief medical officer for Special Care Dentistry in September 2019.

Dr. Riter has worked one day each week for fifteen years in the Koppel Special Care Dentistry Center (KSCDC) she now administers, providing dental care on a daily basis for children and disabled adults unable to accept care under normal circumstances and who require general anesthesia for their dental care.

An LLUSD faculty member since 2005, Dr. Riter will maintain her responsibilities as director of Clinical Quality Assurance, a position she first was assigned in January 2018.

KSCDC, a Joint Commission-accredited and CMS-certified outpatient ambulatory surgery center, manages approximately 3,600 patients each year. But Dr. Riter says the KSCDC's "great staff has made my transition comfortable and effective."

Dr. Riter finds it meaningful that the Center "meets a need that very few dental offices can address—a large population of kids who need so much work done that it is only practical to use sleep sedation to accomplish their restorations in one visit."

The facility is over 2500 square feet and includes four operating rooms and a recovery room where each patient is

monitored by a registered nurse as they wake up from general anesthesia.

Koppel Special Care Dentistry Center serves special needs

patients from throughout Southern California and accepts many insurances, including DentiCal, which means the Center's clinicians are able to see patients who otherwise would have limited dental care options.

Beginning in 1976, LLUSD operated a Department of Hospital Dentistry housed within Loma Linda University Medical Center, where it provided dental treatment

utilizing general anesthesia for patients whose conditions or disabilities made conventional dental treatment difficult. In 1988, Hospital Dentistry was closed and became the Surgery Center for Dentistry. Then in the year 2000, the Center moved to its current, first-floor location at the northeast corner of Prince Hall.

Seven years later (2007), out of appreciation for a very generous gift from Albert Koppel, DDS, and his wife, Elizabeth (Betty) Adams Koppel, MD (CME class of 1943), LLUSD dedicated the facility as the Koppel Special Care Dentistry Center.

For years LLUSD's Advanced Dental Education Program in Dental Anesthesiology enjoyed the advantage of an in-house heritage that boasted Neils Bjorn Jorgensen, DDS, an



*Dr. Holli Riter at her Koppel Special Care Dentistry Center desk*



## TRANSITIONS

internationally revered dental researcher who taught at the School from 1954 to 1974 his ground-breaking technique of combining intravenous sedation with local anesthesia to minimize patient apprehension and pain. Dr. Al Koppel spoke fondly of training with Dr. Jorgenson in 1959 and how intravenous conscious sedation changed his life and the entire profession of dentistry.

Dr. Koppel spent the Korean Conflict as a Captain in Wurzburg, Germany, where he was the designated oral surgeon for the Army's 10th Field Hospital. At the conclusion of his Army service, he took a 12-month internship in oral surgery, before moving with Dr. Betty Koppel to Takoma Park, Maryland, where he bought a dental practice four blocks from the SDA General Conference headquarters and its Review and Herald Publishing plant. It was during this time that Dr. Al Koppel served as a visiting instructor in the oral surgery department of Loma Linda University's new School of Dentistry. He invited his father, "Pop" to match his \$1,000 contribution to the new school. To his amazement, the gift was forthcoming, Dr. Koppel recalled, from the father who had not wanted him to take dentistry.

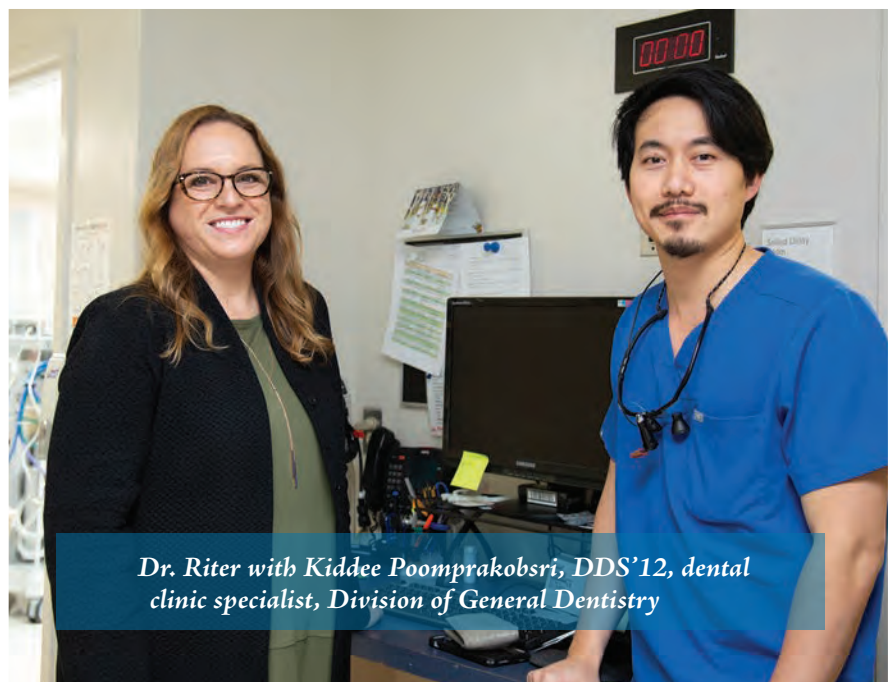
During Dr. Al Koppel's 40-year practice as the unofficial dentist of the General Conference, Dr. Betty Koppel's anesthesia training served to make her husband, in the early 1960s, one of the first dentists to practice IV sedation on patients who found



*Dr. Riter looks in on a busy KSCDC clinic operatory.*



*Registered nurses Amanda Staley and Tim Ebuenga work regularly with Dr. Riter.*



*Dr. Riter with Kiddee Poomprakobsri, DDS'12, dental clinic specialist, Division of General Dentistry*



sitting calmly for lengthy or difficult procedures problematic. The Drs. Koppel long and successful practice earnings and the legacy left by “Pop’s” generosity to them, allowed Drs. Al and Betty Koppel to forward blessings that they had received to the SDA Church and Loma Linda University School of Dentistry.

Before Dr. Betty Koppel’s death in 2013, the couple utilized Loma Linda University’s Office of Planned Giving and the Foundation Trust Administration Department to develop and execute a number of charitable unitrusts, gift annuities, and revocable trusts. Through these deferred gifts, they planned for income to their children as well as benefits to LLUSD. Although because of considerations for their heirs the ultimate value of the Koppel’s generosity will not be fully realized for some time, through a series of matured planned gifts and outright cash gifts, the Drs. Koppel have donated multi-millions of dollars for areas of dentistry that provide for the underserved.

In addition to their provisions for Special Care Dentistry, the Koppels have set up perpetual endowments for the School’s International Dentist Program and the Mobile Outpatient Dental Unit. The International Dentist Program endowment provides scholarships to foreign dental students. The Mobile Outpatient Dental Unit helps to fulfill Dr. Al Koppel’s passion for bringing oral healthcare to people who could not come into a dental office for treatment. One of his last acts of generosity was to meet with Dean Robert Handysides, DDS’93, to discuss the purchase of a new Mobile Dental Unit through his revocable trust.

Dr. Al Koppel, who was the Special Care Dentistry Center’s most significant benefactor, died on December 14, 2019, at the age of 101.



*The Doctors Koppel late in their professional careers*



*Dr. Al Koppel during a 2013 visit to LLUSD*



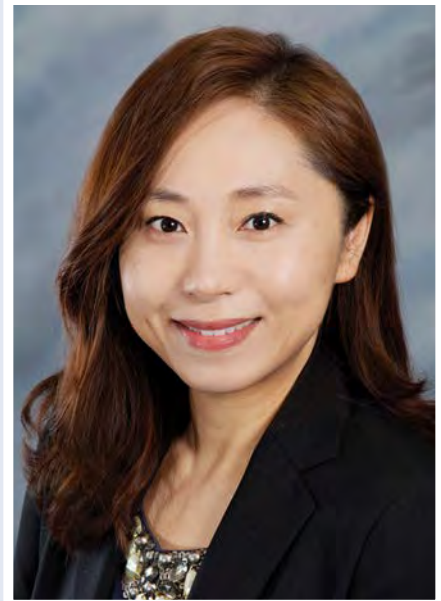
## TRANSITIONS

### *Jessica Kim directs Faculty Practice*

Jessica Kim, DDS'05, assistant professor, was named director, LLUSD Faculty Practices at Loma Linda University's Center for Dentistry & Orthodontics, July 2019. Dr. Kim replaces Joseph Caruso, DDS'73, MS'75, associate dean, Strategic Initiatives and Faculty Practices, who had oversight of the School's Faculty Practice since 2008.

As director for practicing faculty, Dr. Kim administers a team of approximately 45 providers and support staff.

An LLUSD faculty member since 2006, Dr. Kim has been given an increasing level of responsibility first as director of the International Dentist Program and most recently as director of the Hugh Love Center for Research & Education in Technology that participated in the CRET program. As technology has advanced, it's operatories are now a part of the pre-doctoral education clinic.



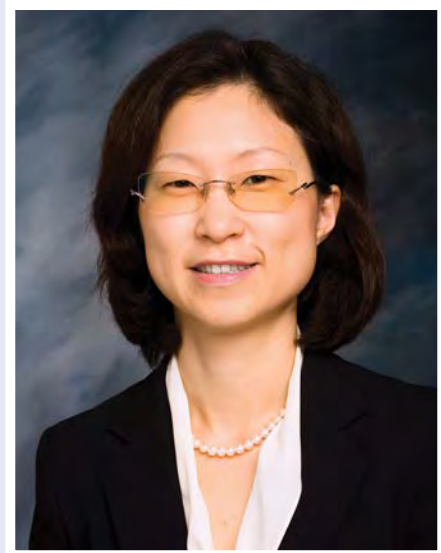
*Dr. Jessica Kim*

### *Yoon-Jeong Kim appointed chair, Department of Periodontics*

Yoon-Jeong Kim, DDS, MS, MS'06, associate professor, has been appointed chair, Department of Periodontics, effective March 1, 2020.

Dr. Kim joined the LLUSD family as a graduate student and voluntary faculty instructor in July of 2003 and became an assistant professor in June of 2006 after graduating from the School's Advanced Dental Education Program in Periodontics.

She received the American Academy of Periodontology Educator Award in 2014 and is a diplomate of the American Board of Periodontology.



*Dr. Yoon-Jeong Kim*



# Regarding patient Layla's "Jaw in a Day"



*L-R: Parker Shiffler, DDS, MD, LLU OMFS'20, Dr. Chi Viet, Dr. Alan Herford, Dr. Jui-Min Su, Michael Pace, DDS, MD, LLU OMFS'20*

Layla Castillo is an 18-year-old high school senior who suffered from a lower jaw tumor requiring surgical resection.

Alan Herford, DDS'94, MD, professor and chair, Department of Oral and Maxillofacial Surgery, program director, Advanced Dental Education Program in Oral and Maxillofacial Surgery; Chi T. Viet, DDS, PhD, MD, assistant professor, Department of Oral and Maxillofacial Surgery, and Jui-Min Su, DDS, MS, assistant professor, Department of Prosthodontics, recently performed on this patient a tumor resection and reconstruction with a microvascular free flap that included implants and teeth to restore her to pre-surgery form and function.

Typically these types of surgeries are staged over the course of one to two years, where the patients undergo tumor resection and fibula free flap reconstruction first, followed by implants and dental prosthesis after complete healing. However this delayed approach significantly affects quality of life, affecting the patient's ability to eat, speak, and return to normal life. The

surgery performed by Drs. Viet, Herford, and Su aptly termed "Jaw in a Day," was pioneered by surgeons at New York University where Dr. Viet completed her residency. She further honed skills on performing this procedure at her head and neck cancer and microvascular fellowship program in Portland, Oregon before introducing it to Loma Linda University. "Jaw in a Day" is currently only being performed in a handful of medical centers, and typically relies on multidisciplinary collaboration between oral maxillofacial surgeons (to perform the tumor resection and microvascular free flap reconstruction) and prosthodontists (to guide the dental prosthesis fabrication). The technique is ideal in patients with benign tumors of the upper or lower jaw.

Not long ago while chewing her food, high school senior Layla "felt and heard a huge crack" and then some pain. She was new to Murrieta, California, but found a dentist who took radiographs of her jaw that revealed a considerable chunk of bone had broken off.



After her dentist told her the symptoms could be the result of a number of things, Layla was mostly frightened by the possibility of cancer, because her grandfather had liver cancer to which he recently succumbed. "When my dentist told me it could be cancer, I called my grandma crying." Her dentist referred her to Loma Linda University.

A biopsy revealed the presence of a melanoblastoma, a benign tumor that is significantly destructive to the jaw and required complete resection to minimize recurrence.

The reconstructive surgery involved several steps: preoperative CT with computer-guided planning programs, 3D CT-guided resection of about 1/3 of the mandible and surrounding tissue (including three teeth) using 3D printed cutting guides that fit perfectly to the patient's mandible, a segment of the patient's fibula and soft tissue from the leg to form a new mandible that could replace the missing jaw segment, and implants and teeth placed into the fibula to match the patient's previous teeth.

A brief video that illustrates the process is viewable at: <https://tinyurl.com/t75x3g2>

Layla's surgery was scheduled for Monday, February 10. "So, I was pretty surprised," she recalls, "when I woke up on Tuesday" February 11. "I was like, 'It's Tuesday?' I thought it was Monday, and next thing you know I wake up on Tuesday." With so much to accomplish, the resection, implants, and reconstruction took eight hours. The surgeons had a lot to do; this was the first "Jaw in a Day" procedure performed at Loma Linda University and in California. Layla recalls coming to with a nasogastric feeding tube that remained for several days to promote healing of the surgical site in her mouth.

"I kind of remember little things as I was waking up, like that my grandma was there, thank God, and I went back to sleep. My mom had to be downstairs, because the baby couldn't be around sick people." Layla laughs about her younger sister, almost two now, "She's like a little troublemaker . . . screaming, and running, and being a little brat."

When we visited with Layla, she'd been recovering from surgery for just over a month. She looked and sounded entirely healed.

"I can't chew right now. I'm on a six-month liquid diet—all pureed, it can be soup or anything pureed, just nothing to chew." Regarding weight maintenance Layla says, "I'm losing weight. But that's okay for right now, since I'm overweight. But that's a benefit right there. So long as my jaw goes back to normal, I'm happy about that."

***"When my dentist told me it could be cancer, I called my grandma crying."***

Layla loves to travel, an appetite that was whetted by a family trip to Hawaii when she was ten that included her first flights in commercial aircraft and then a trip to Vancouver, Seattle,

and Portland four years ago. "I loved Portland," she gushes, "it was so nice with the trees all around."

After graduating from high school, Layla is interested in going into the Navy in which the recently deceased grandfather she greatly admired was a veteran.

"I really want to become a pilot," she states. Asked if she imagines herself a fighter pilot, the answer is an immediate, grinning "Yes." Layla says that in her high school Navy Junior Reserve Officer Training Corps (NJROTC) "we go online to look up all the different military planes." She describes how "My dad," a refinance loan officer, "is obsessed with these planes." She imitates with amusement his enthusiasm in sharing his excitement at the various aircraft they watch maneuver by way of online videos. But it was her Navy veteran grandfather who encouraged her to join that service. "If you love travel, just go with it," he told her. "You get to know everybody; you get to do a lot of things; you get a lot of benefits."

Asked about landing her fighter jet on a carrier in weather, Layla says, "It's really scary when it's on a ship instead of on land. You've got to be really steady about that." But it sounds as though she'd like to try.

Since our visit, Layla has returned to eating solid food, graduated from high school, and considers embarking on a Navy path to flying.

In the meantime, about her care at Loma Linda, Layla is adamant. "Very good hospital. Very great care. So very organized. And I'm so very happy about how things turned out."



# **HOMECOMING 2020** *Just-in-time* **Homecoming 2020**

**H**ad it been scheduled for a week or two later, without doubt LLU School of Dentistry's 60th Alumni Student Convention would have been cancelled. But a miss is as good as a millennium.

Although citing the approach of the COVID-19 virus a few School of Dentistry graduates cancelled their plans to attend the Convention, alumni did return to their alma mater to bond again over memories that made the event a success. But it could not have been closer.



*Dean Handysides thought it was decaf.*



*Randall Boyd, DDS'86, with his wife, Brenda.*



*Doyle Nick, DDS'78, MS'09, associate professor, Division of General Dentistry, welcomes a full house for the alumni mission emphasis breakfast.*





*Tina Saw, DDS'14, is congratulated by Claudie Pascal, DDS'19, assistant professor, Dental Education Services, for her Alumni Video Contest win.*



*Above: Alumni enjoy continuing education at the Centennial Complex Damazo Amphitheater.*



*Steven Morrow, DDS'60, MS, associate dean, Advanced Dental Education, with his wife Sheila, CPA, CGMA.*



*Gary Kerstetter, DDS'83, assistant professor, Dental Education Services, shakes hands with Brian Evans, DDS'09, as NASDAD president Tristan Hamilton, DDS'09, looks on.*





*A couple of thorns in a rose garden.*



*Ronald Fritz, DDS'72, and Lloyd Stoll, DDS'62, haggle over food and water.*

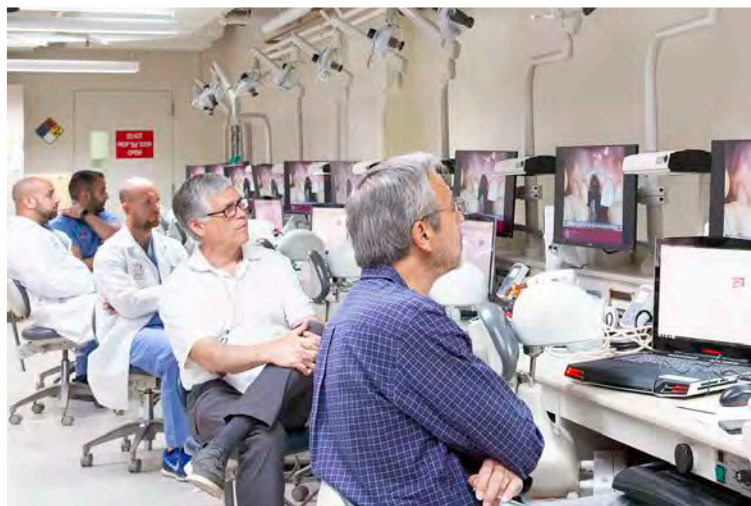


*Linda Wells, DDS'85, and Rick Wells, DDS'84, visit with Dean Handysides.*



*L-R: Shelly Withers, BS'00 (DH), MS'07, associate professor; Shirley Lee, BS'82 (DH), MS'07, associate professor, Dental Hygiene; and Shelley Hayton, MAT, BS'82 (DH), assistant professor, support the dental hygiene class of 2020 during the poster research event.*





Alumni dentists assimilate implant dentistry continuing education provided by Jaime Lozada, DDS, program director, Advanced Dental Education for Implant Dentistry.



Shelley Hayton, MAT, BS'82 (DH), assistant professor, and co-chair, Spiritual Life and Wholeness, mentors during hands-on continuing education experience.



Marlon Meharry, DDS'80, greets Ronald Forde, DDS'83, MS'11, MSD'11, assistant professor, and co-chair, Spiritual Life and Wholeness.



Tory Silvestrin, DDS, MS'14, MSD'16, chair, Department of Endodontics, provides a continuing education lecture.



Judges Natalie Hobensee, DDS'08, MS, assistant professor, Yiming Li, DDS, PhD, MSD, associate dean, Research, and Steven Powell, DDS'87, assistant professor, evaluate a student research poster.





*L-R: Kenneth Pierson, DDS'71, visits with upper classmen Clyde Roggenkamp, DDS'70, MSD, associate professor, and Gerald Bailey, DDS'70.*



*School of Dentistry Reception & Practice Opportunity Networking alumni with students at the Wong Kerlee Conference Center*



*Gary Golden, DDS'76, assistant professor, Dean Handysides, and Shirley Lee, BS'82 (DH), MS, associate professor, Dental Hygiene, visit with a student.*



*L-R (dining): Robert Fritz, DDS'75, assistant professor, and Ronald Fritz, DDS'72, with Gary Golden, DDS'76, assistant professor, and Steven Powell, DDS'87, assistant professor.*





Gary Krause, MA, associate secretary, GC, and director, Adventist Mission, traces the history of SDA international outreach.



L-R: Joseph Caruso, DDS'73, MS'75, MPH, associate dean, Strategic Initiatives and Faculty Practices, visits with Michael Fillman, DDS'74, MS'84, president, LLU Orthodontic Alumni. In the background (L-R) are presenters Duane Grummons, DDS, MSD, assistant clinical professor, Orthodontics, and Jerald Simmons, MD, director, Comprehensive Sleep Medicine Associates, The Woodlands, Texas.



Mark Estey, DDS'98, assistant dean, Academic Affairs, visits with Adwen Yap, DDS'89, and Edward Ko, DDS'89.



Hungry alumni make selections.



## LLUSD Alumni Video Contest winner

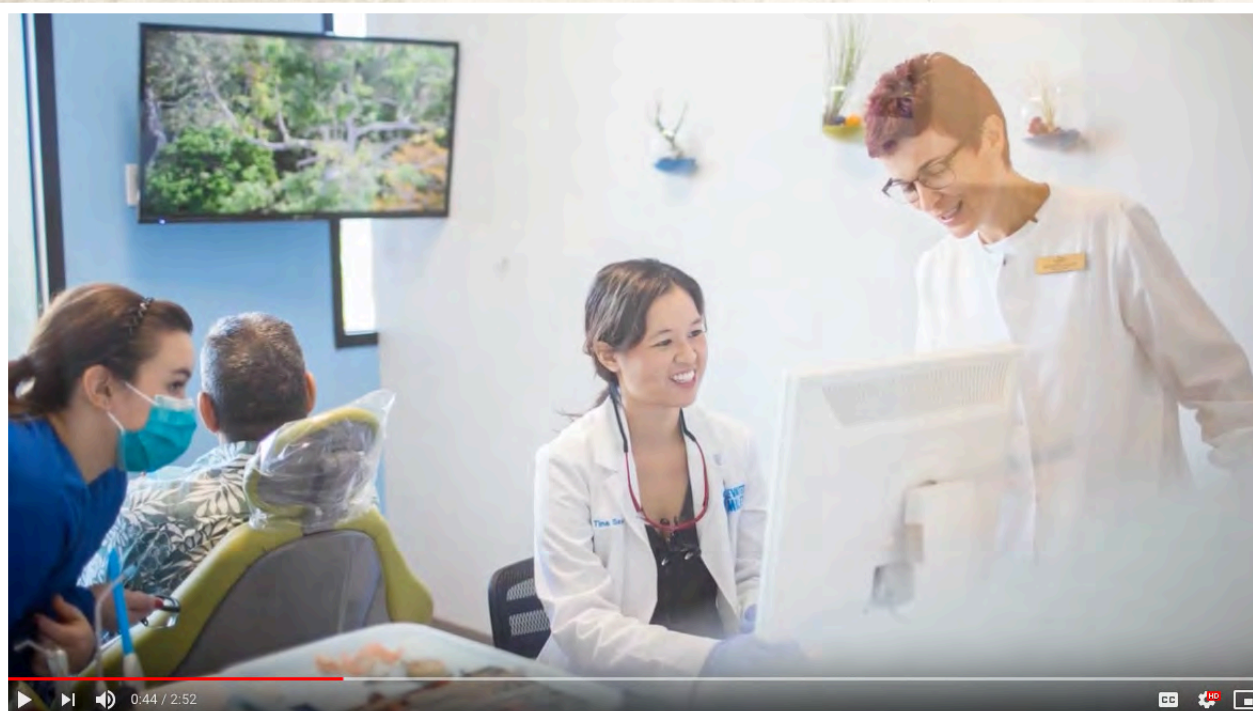
The premiere LLU School of Dentistry Alumni Video Contest was won by Tina Saw, DDS'14, and awarded at the All School Reception, on Friday afternoon, March 6, during the School's 60th Alumni Student Convention.

The two-minute, fifty-one second, winning video of Dr. Saw's life in Carlsbad, California, where she and her husband, Thanh Luu, DDS'13, share a dental practice called Elevated Smiles, can be viewed at <https://tinyurl.com/rk4r4by>

The introduction of this annual contest was initiated by Krista Weymar, MBA, director, Office of Marketing—an activity she describes as “an opportunity to connect with our incredibly artistic alumni community, including those who are not able to physically return for Homecoming.”



Shortly before masking and social distancing became mandatory, Dean Robert Handysides, DDS'93, presented Dr. Saw her video contest award.



Dr. Saw manages a patient's care with her staff.



## 1970 Honor Class assembles for 2020 Homecoming

The Loma Linda University School of Dentistry's DDS class of 1970 celebrated its 50th anniversary reunion Sabbath, March 7, 2020, during the 60th LLUSD Alumni Student Convention. Homecoming activities throughout the day began with spiritual services in the morning followed by a haystack lunch under a large tent at the Drayson Center.

Later, the honor class gathered for reminiscing in Prince Hall's main lobby that featured a video of several class members recalling their experiences as students and subsequently as professional practitioners.

In visiting for a few minutes with the class of 1970, LLUH President Richard Hart, MD, DrPH, remarked that it was the largest dental reunion group he had seen. As the microphone was passed around for personal remarks from individual class members, there emerged a theme of unanimous gratefulness for the integrity of the instruction received at LLUSD in both class lectures and clinical mentoring.

That evening the class gathered at the nearby Hilton Garden Inn for an enjoyable meal after which class president Tim Sanders led a conversation that included more remarks of appreciation for what the dental school meant to each one.

From the class of 1970's 60 dentists, 27 congregated for a class photo that represented nearly 60 percent of its surviving members. A poignant development was the representation of three fallen classmates by their wives. Sharon Anderson (Sexton) represented her deceased husband, David Anderson; Suzanne Rich was there for Darrell Rich; and Betty Woods (Kannenberg) came to represent Bill Woods. Counting the presence of these devoted wives, there was nearly two thirds representation of its surviving members.

A particularly generous group of alumni since its graduation, the class of 1970 cumulatively has contributed to its alma mater

\$1,341,253.67 over the past 50 years. For its 2020 reunion, the class was pleased to present LLUSD a 50th anniversary gift of more than \$60,000. The money is being directed partly to the David L. Anderson Scholarship fund to offset the scholastic expenses of worthy dental and dental hygiene students. The fund honors Dr. Anderson, a respected classmate who had chaired the LLUSD Department of Anesthesiology for several years

and was particularly concerned about the financial burden imposed on students by dental education.

The other portion of the class gift went to the Steinman-Leonora Lectureship fund in

*By 2010 the class of 1970 cumulatively had contributed more than a million dollars to its alma mater.*

order to promote the research findings and teachings of Ralph Steinman, DDS, and John Leonora, PhD, regarding dental fluid transport. This concept recognizes the natural capability of teeth to resist decay that is hampered by excessive dietary sugar and warrants further research. The David L. Anderson fund and the Steinman-Leonora fund each now have a balance of over \$100,000.

The class of 1970 was for many years LLUSD's highest per capita national-board scoring class. At least 13 members went on for dental specialty master's degree training and 13 (not all the same) returned to contribute as faculty members, including Drs. David Anderson, Warren Francis, Jr, Ronald Hansen, Robert Hanson, Eric Herbransen, Lee Ingersoll, John Kershner, Robert Kiger, Peter Nelson, John Peterson, Clyde Roggenkamp, James Tsai, and Lawrence Will.

The feeling of unity after many had not seen one another since their graduation 50 years ago, was captured by classmate, Dr. Jim Szana, "We survived the four years and scattered all over into our own lives. Yet, for one day, our 50th reunion, we belonged in our minds to that intangible group of SD'70."



## *LLUSD DDS Honor Class of 1970*



*L-R: Richard Mehrer, Walter Gang, Robert Williams, Gary Keszler, Lee Ingersoll, John Kershner, Clyde Roggenkamp, James Szana, Tim Sanders, Carl Rosich, Donald Finch, Ronald Hansen, Gerald Bailey, Roland Postlewait, Wiley Elick, John Eller, Eric Herbranson, Alan Peterson, Mick Francis, James Ellenberger, Steven Loy, Peter Nelson, Abe Morikone, Robert Hanson, Robert Kiger, Richard Neufeld, Dennis Meidinger.*

## *LLUSD DH Honor Class of 1970*



*Back (L-R): Dorothy Mehrer, Carol Muir, Christine Swarner, Beverly Wetherbee  
Front (L-R): Sharlene Martinson, Doris Harrison, Candace Hallmark, Bonnie Carrick, Sylvia Bond*



## From the honor class of 1970: A story of service

*Republished with permission from The Global Adventist Dental Connection, Edition #6, February 2020.*

### "Service is Contagious"

**N**ineteen Eighty-Nine was an auspicious year in the life of John Kershner, DDS'70, and his private practice in Frederick, Maryland. Some of his patients were leaders in the Adventist church who, following Glasnost and the breakup of the Soviet empire, were eager to tell the citizens of Russia about the good news of salvation and God's love.

What better way to illustrate this truth than to provide for health and well-being? And what better way to provide health and well-being than by providing excellent dental care? Dr. Kershner was asked to be involved in establishing a dental practice, which eventually became a going concern in Moscow. Dr. Kershner also sponsored a small dental clinic, which opened in 1991, in the Adventist University of Zaoksky. Although the much bigger and better equipped clinic in Moscow had to be closed a number of years ago, the Zaoksky clinic still serves the students and the citizens of that community.

Dr. Kershner was last at the little clinic in November 2019. During chapel at the Adventist University of Zaoksky, he was presented a t-shirt that was inscribed, "Zaoksky Dental University, 600,000 miles, 600,000 smiles," 60 times. During the past almost 30 years, Dr. Kershner has flown 60 times to the University that he has grown to love. The clinic only charges US \$3 - \$5 dollars per surface for fillings and a similar amount for extractions, so he has supported the clinic and most of his own travel. In exchange, the community and his patients have loved him back.

Dr. Kershner and his wife have given more than time, expertise, and dental care. They have benefited the students and residents of the area. They have sponsored education for almost 40 students and made it possible for one person to attend Loma Linda University School of Dentistry.

One patient who had ovarian cancer consulted with Dr. Kershner about what she should do. After speaking with an American OBGYN friend, Dr. Kershner advised travel to the United States for a life-saving resection. She stayed in the Kershner home for a year during and after treatment, went through nursing school, and now cares for patients in a cancer clinic.

One student the Kershners' sponsored was valedictorian of her class and an Olympic cross-country skier. A book, *Katya's Gold*, chronicles her early life and conversion. Eventually she met and married a young Italian man and the couple invited the Kershners to fly to Italy so that Dr. John could walk her down the aisle. Today they have added three children to their happy family, and along the way they have introduced their friends and relatives to Christ.



*Dr. John Kershner*

As Dr. Kershner looks back over the years, he cannot see any time when God was not leading and protecting him. Even when the KGB came around checking his activities, he had no concerns or worries. His inability to get a dental license or a work permit never hampered his work in the least.

The Kershners not only blessed the people of Russia, they were instrumental in changing other lives as well. Many of the 150 dentists, dental assistants, and others who, over the years, accompanied Dr. Kershner to Zaoksky to assist and help, have become dentists and or have dedicated a large part of their lives to service. It is common that people who are exposed to the joys of mission dentistry are inspired to become dentists so that they can make an even larger, positive difference in the world.

For the future, Dr. Kershner's dreams for the Zaoksky clinic are that it will continue to be a force for good in the community. He has turned the clinic over to an accomplished young Russian woman, a trained dentist he has known since birth. She will perpetuate the clinic's constant great influence in the community, serving not only faculty, staff, and students, but also the local public. Dr. Kershner is not yet finished because he plans to continue as a mentor to the Zaoksky Clinic a few more years.

The benefits of his service to himself, he will tell you, are greater than any he has provided for others. Every time he arrives on the grounds of the University, they feel to him like hallowed ground. The wonderful Christian people are an inspiration and blessing. His sincerity is palpable as he says, "It has been a life-long privilege to serve there."



# LLUSD manages a pandemic

**T**oward the conclusion of the LLU School of Dentistry's 2019 academic year, so many things were trending north.

In a June 2019 roadmap, Dean Robert Handysides, DDS'93, had described for the LLUSD faculty an encouraging fiscal year, concluding that the School is "financially stable."

A just-in-time curriculum revision that requires dental students' clinical participation early in their program, along with practice management principles taught and integrated throughout the four predoctoral years that increasingly emphasizes digital dentistry was well under way.

Graduation rates were up, and philanthropy was a generous \$17 million for the last period.

And then the Coronavirus disease 2019 (COVID-19) arrived and began to impact the School just as its 60th Alumni Student Convention concluded.

## Mad scramble transition

With the health and safety of our community in mind, Dean Handysides emailed LLUSD colleagues with his outline of LLUSD's flexible adjustment plan to continue academic and clinical assignments within the strictures of a looming Inland Empire COVID-19 outbreak.

The dean's plan envisioned six teams that would work together centrally with the University and report back to the LLUSD leadership group. Immediate updates included an expanded patient screening process, those accompanying patients were to wait in cars, except adults with minor patients; external rotations and externships were cancelled; and in-person didactic classes were transferred to online lectures on Canvas or Zoom.

## Academic accommodations

As the Spring term began March 30 to a sparsely populated campus, LLUSD faculty members adapted, along with LLU sister school colleagues, to an online instructional format. The new reality shut down most clinical care, regular in-person classes, and revised the continuing dental education courses ordinarily held on the LLU campus.

## Online didactics

LLUSD faculty members revised their case-based curricula as online lectures and distance learning modules. However, some aspects of dental education cannot be virtual. For the

implementation of social distancing, LLUSD student labs are now divided into four sessions and run from 7:00 am to 8:30 pm.

Regarding the distance lectures, some students are convinced they might be learning more from the online lectures they are now receiving than from traditional, in-person presentations. Some online classes have elicited so many questions from students on the chat opportunity that a second faculty member is needed to manage the questions.

COVID-19 creates complications for the continuing effort through the School's new curriculum to have dental students on the clinic floor acting as colleagues early in their training. But on the positive side, the virus has accelerated LLUSD's determination to integrate classroom and online education.

## Safety is paramount/Revisioning PPE

At the onset of the pandemic, it was apparent immediately to all healthcare institutions and personnel that the medical grade, protective (especially N95) masks necessary to safely treat patients was in terribly short supply. At the School of Dentistry, the revisioning of personal protection equipment (PPE), face masks in particular (along with gowns and gloves), began immediately. Faculty and staff from the Division of General Dentistry, Department of Orthodontics, Center for



Dental Research (CDR), and the Department of Dental Hygiene collaborated intensely to devise solutions that included experimenting with more readily available surgical masks augmented for improved peripheral seal by the overfitting of custom facial frames 3D printed from 3D facial scans.





Testing demonstrated improved peripheral seal on surgical masks augmented by Bellus3D custom mask frames. With the permission of Bellus3D CEO, LLUSD began using the Bellus3D Dental Pro app to scan graduate students, residents, faculty members, and staff and to print custom frames for every member of the School family.

The app is downloadable for free and the generation of the frame is free to all users whether they are [health] care providers or not.

### Screening

Everyone who enters Prince Hall is asked a series of questions regarding a gamut of symptomatic indicators, and no one enters the building without having their temperature taken and wearing a mask. The School's clinic administration developed and implemented protocols for screening patients online in a teledentistry manner, so they can be triaged from any distance.



### Testing

LLUSD is titrating people with symptoms in collaboration with the LLU Medical Center. In May LLUSD patient clinics were opened for particular procedures to patients who had passed a COVID-19 test within 24 hours of their visit. Although outcomes of those tests generally are available within four to six hours, this requirement initially slowed the daily patient census



*An LLUSD clinical professional greets a patient, her mask's seal enhanced by a Bellus fitted frame.*

significantly. However, as testing facilities expanded and the 24-hour testing requirement was reserved for particulate-producing procedures, the returning patient volume has continued to grow.

### Aerosol reduction

Aerosol reduction is a complicated challenge and the School has attempted to index procedures that produce light-to-no aerosol production versus moderate-to-heavy contamination generation and find ways to ameliorate proliferation. The utilization by LLUSD of electric, rather than air-driven, hand pieces is an advantage in this regard.



Stan Lillard, director, Dental Maintenance, along with his associates and volunteers, have re-designed vacuum infrastructure within the ceiling and walls of Prince Hall. They installed additional high-volume suction and tubing to 245 dental chairs that provides multiple high vacuum suction hoses per chair. Clinical teams can socially distance any aerosol generating procedures from the non-aerosol generating procedures as well as from each other, and have implemented new patient movement pathways.

### **Urgent Care and Teledentistry patients**

Early in the pandemic, LLUSD implemented patient safety protocols for emergency visits with patients from its existing patient roster that were arranged by phone and email. Arriving patients were met by gowned and gloved LLUSD personnel wearing enhanced masks who exercised social separation while escorting these patients to the Urgent Care Dentistry Clinic clear of other patients and staff.

By the end of April, the School's clinical team had added the availability of teledentistry appointments (or E-visit services) for oral healthcare consultation, limited evaluations, re-evaluations, post-surgical follow-up, and localized infection or inflammation assessments.

### **Financial safety**

Unavoidable consequences of the pandemic involved sacrifices that included furloughed employees, and a 10 percent pay reduction projected over fifteen months for all LLU administrators.

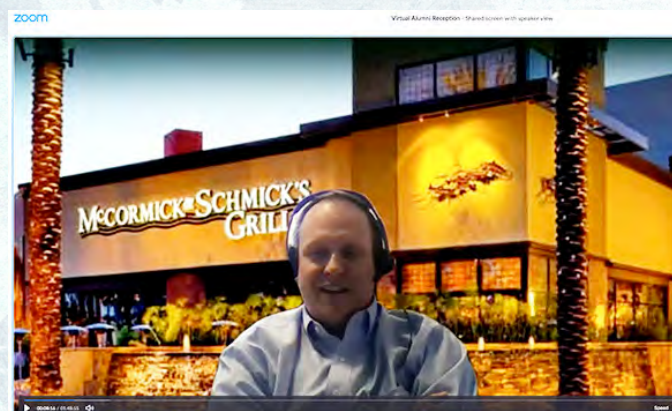
But there also were responses to the emergency in the form of a very generous alumni donation, as well as a \$100,000 student support challenge fund from another alumnus that has been matched.

### **CDA Dean's Reception (May 15)**

With the announcement by the California Dental Association that due to COVID-19 its annual CDA Presents the Art and Science of Dentistry convention in Southern California's Anaheim Convention Center was canceled, the LLU School of Dentistry lost more than a convention booth; it lost an opportunity that had become a tradition—to reconnect with its southwestern United States alumni who would have attended the spring 2020 CDA convention.

But a worldwide viral contagion did not impede the opportunity to fellowship with the School's graduates. With the assistance of

Alumni Affairs, Continuing Dental Education, and the Office of Marketing, a geographical swath of 71 Southern California alumni assembled online for a virtual reception.



Dean Handysides held court, backed by a late afternoon digital exterior of McCormick & Schmick's Grill—the eatery between the Convention Center and Disneyland where the dean's reception has taken place in recent years. He has since hosted two virtual but regionally proscribed LLUSD Comes to You events (June 10 and July 14) with interested alumni cohorts.

### **Reinventing Continuing Dental Education**

Within the need to accommodate the new reality, LLUSD dental education (including Continuing Dental Education) has reinvented itself on the fly. Both its regular Sunday continuing education offerings and the ten-month Implant Dentistry Continuum (formerly known as MaxiCourse) that typically assembled at the Centennial Complex' Damazo Amphitheater or Prince Hall's 1101 or 1102 amphitheaters were rerouted to video conferencing.

For CE courses that require in-person attendance, up to 60 registrants can be seated in the Centennial Complex' 250-seat small amphitheater and still maintain social distance.

### **Graduation**

On July 17, 2020, President Hart addressed LLU students virtually to express his disappointment that a July upsurge in COVID-19 virus cases had ruled out the possibility of a belated, September, graduation ceremony for 2020 graduates.

Still, it seemed a victory that under the circumstances the School of Dentistry had graduated 202 students in 2020—37 with bachelor of science degrees, 135 with doctor of dental surgery degrees (31 of them from the International Dentist



Program), and 30 with graduate degrees or certificates from the School's advanced dental education programs.

With genuine empathy for the Class of 2020's inability to celebrate with family, friends, and classmates their once in a lifetime achievement, LLUSD administration sent each graduate a gift box and created **multiple congratulatory videos**.

### Licensing

Licensing exams were a huge thing for the D4 students. Some states accepted for dental licensing Objective Structure Clinical Examinations (OSCEs). Alaska, Oregon, Washington, Michigan, and other states were accepting graduation as licensing.

LLUSD hosted manikin-based Western Regional Examining Board (WREB) exams June 15-17 on typodonts for its own graduates and for the graduating students from Western University College of Dental Medicine. Working on plastic teeth with handpieces they had not used for many weeks, elevated the natural tension.

Dean Handysides reports that 126 LLUSD graduates took the WREB exam. Twenty-one failed one portion of the exam and had to retake that portion. No one failed multiple portions. "These were lower than expected first time pass rates of 83 percent," he notes, "but under present conditions, we were satisfied and grateful for the opportunity to have students sit at all."

Dean Handysides also has a message of encouragement. "The Covid-19 journey is not yet done. We are so ready for it to be over but the timing is not our choosing. What we can control is our attitude and commitment to serve. Galatians 6:9 is a favorite on our campus during this pandemic. It states 'Let us not become weary of doing good, for at the proper time we will reap a harvest if we do not give up.' Keep your courage, strengthen your faith, give a smile to all and show kindness where you can. We will get through this together."

## 2021 RDAEF Expanded Duties Program

**This comprehensive Board-approved RDAEF program** provides 410 hours of instruction for RDAs and 318 hours of instruction for existing RDAEFs. It combines didactic, hands-on laboratory and live patient clinical experiences that satisfy the California Dental Board's requirements for new and existing RDAEFs who wish to expand their licensure in preparation for earning certification in the new extended functions.

This RDAEF Expanded Course is taught as a series of three individual courses (modules) that must be successfully completed in a designated sequence within an established time frame before taking the new State Board Examination. Modules can be paid individually and sessions will be offered on Sundays and evenings to better accommodate working professionals.

To successfully complete the program and be eligible to sit for the new State Board Examination, participants are required to pass all three modules with a minimum 75% pass rate.

**Financial Aid:** Loma Linda University Continuing Dental Education is now offering funding available to qualified individuals through the **"Sallie Mae Smart Option Student Loan"** program. These are low interest student loans that offer choices between 3 repayment options. Apply online and it only takes approximately 15 minutes to get a credit result. Please visit the Sallie Mae website for more information.

### Module 1

Fee: \$4,700 | CDE Credits: 104

July 6, 2021 - Sept. 26, 2021 (19 class sessions)

July 6, 8, 11, 18, 20, 22 / Aug. 1, 3, 5, 15, 17, 19, 29, 31 / Sept. 2, 12, 14, 16, 26, 2020

### Module 2

Fee: \$6,300 | CDE Credits: 128

Sept. 28 - Dec. 19, 2021 (24 class sessions)

Sept. 28, 30 / Oct. 10, 12, 14, 24, 26, 28 / Nov. 7, 9, 11, 14, 16, 18, 21, 23, 30 / Dec. 2, 5, 7, 9, 12, 14, 19, 2021

### Module 3

Fee for Licensed RDAEFs: \$6,000 | CDE Credits: 104

Fee for RDAs: \$7,000 | CDE Credits: 180

Jan. 4, 2022 - May 15, 2022 (30 class sessions)

Jan. 4, 6, 9, 16, 18, 20, 30 / Feb. 1, 3, 13, 15, 17, 27 / March 1, 3, 13, 15, 17, 27, 29, 31 / April 3, 12, 14, 24, 26, 28 / May 3, 5, 15, 2022

***All three modules can be paid by payments, with the balance due 10 days before the end of each module.***

**To register call LLUSD Continuing Education Ph: 909-558-4685 | F: 909-558-0835 or go to [dentistry.llu.edu/rdaef](http://dentistry.llu.edu/rdaef)**





LOMA LINDA UNIVERSITY  
School of Dentistry



## ***Dental Waterline Testing Service (DWTS) and Sterilization Assurance Service (SAS)***

***Dental Waterline Testing Service (DWTS)*** has been in operation since 2000. We evaluate microbial contamination of dental water lines and are actively involved in research on waterline biofilm removal and treatment methods. Many dental offices, universities, veterans hospitals, and medical/dental centers in over 43 states use our service for monitoring the quality of their dental water lines.

### **What are some of the advantages of using LLU School of Dentistry's DWTS?**

- The Standard Method 9215D (membrane filter method) of the American Public Health Association (APHA) is used to examine waterline microbial contamination.
- Detect heterotrophic plate count (HPC) bacteria counts up to 2,000 CFU/mL.
- More than 20 years of experience.
- Free consultations with our experienced staff
- All-inclusive insulated test kits contain sterile sample vials, ice packs, and detailed instructions.
- Test reports are accessible through the Online Customer Portal after seven days.
- Local customers may deliver samples directly to our research laboratory.

***Sterilization Assurance Service (SAS)*** was established in 1998. SAS provides biological monitoring of sterilizers for over a thousand dental clinics, community colleges, medical/dental centers, and other institutions nationwide.

### **What are some of the advantages of using LLU School of Dentistry's SAS?**

- More than 20 years of experience.
- Two testing options are available to help you budget for your infection control requirements.
- Return envelopes or prepaid envelopes are included based on your choice.
- Access test results through Online Customer Portal after seven-day incubation period.
- Certificates of Participation are available for a nominal fee.
- Spore test failures are reported by phone or email the same day samples are analyzed.
- Class V integrators for steam sterilizers are available. The combined use of spore tests, and STEAMPlus Integrators provide early detection by visually confirming the performance of your sterilizers.

*Prepaid return package labels are available to order.*





# Dental Waterline Testing Service and Sterilization Assurance Service Order Form

Date \_\_\_\_\_

Name (Last) \_\_\_\_\_ (First) \_\_\_\_\_

Office name \_\_\_\_\_ E-mail \_\_\_\_\_

Contact person \_\_\_\_\_ E-mail \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone ( ) \_\_\_\_\_ Fax ( ) \_\_\_\_\_

## Sterilization Assurance Service

Customer ID# (current customers) \_\_\_\_\_

Sterilizer (type/model/serial #) \_\_\_\_\_

(Supplies for each sterilizer must be kept separate for ID purposes.)

☐ Steam \_\_\_\_\_ ☐ Chemical Vapor \_\_\_\_\_ ☐ Dry Heat \_\_\_\_\_

**Basic package** (1) One test strip and one control strip per test (2)

Return envelopes (3) Access results online (4) Failure notification by phone or email

| Price  | Quantity | Total    |
|--|----------|----------|
| \$89/12 tests                                      | _____    | \$ _____ |
| \$129/24 tests                                     | _____    | \$ _____ |
| \$169/52 tests                                     | _____    | \$ _____ |
| Optional: Certificate of participation - \$12/each |          | \$ _____ |
| S&H for each package - \$15                        |          | \$ _____ |

**Intensive package** (1) Two test strips and one control strip per

test (2) Prepaid return envelopes (3) Certificate of Participation (4)

Access results online (5) Failure notification by phone.

| Price          | Quantity | Total    |
|----------------|----------|----------|
| \$128/12 tests | _____    | \$ _____ |
| \$298/52 tests | _____    | \$ _____ |

## Class V Integrator for Steam Sterilizer (New)

| Price            | Quantity | Total    |
|------------------|----------|----------|
| \$32/100 tests   | _____    | \$ _____ |
| \$220/1000 tests | _____    | \$ _____ |

<https://tinyurl.com/y7mv9v3y>

## Dental Waterline Testing Service

Customer ID# (current customers) \_\_\_\_\_

| Tests | Price/Each | # of Tests | Total    |
|-------|------------|------------|----------|
| 3     | \$30       | _____      | \$ _____ |
| 4-8   | \$27       | _____      | \$ _____ |
| 9-12  | \$25       | _____      | \$ _____ |
| 13-25 | \$23       | _____      | \$ _____ |
| 26-50 | \$22       | _____      | \$ _____ |
| >50   | \$20       | _____      | \$ _____ |

Optional: Certificate of Participation - \$12/each \$ \_\_\_\_\_

- A foam box, ice packs, sample vials, and instructions are included.

## Shipping & Handling

**Priority Mail** – starting at \$15 per box

**FedEx 2-day** – \$36/3-12 tests; \$45/13-40 tests

(Prepaid return package labels are available to order.)

Check enclosed \$ \_\_\_\_\_ (made payable to SAS-LLU)

Charge: Total \$ \_\_\_\_\_ ☐ ☐

Name on card \_\_\_\_\_

Card number \_\_\_\_\_

Exp. Date \_\_\_\_/\_\_\_\_ CCV# \_\_\_\_\_ Invoice# \_\_\_\_\_

Mail to:

Dental Waterline Testing & Sterilization Assurance Service

Chan Shun Pavilion, Suite A-1005

11175 Campus Street, Loma Linda, CA 92350

Tel: (909) 558-8176, (909) 558-8069

FAX: (909) 558-0307

E-mail: sas@llu.edu



## NEWS

### *Jeri Fowler appointed to Dental Board of California's Dental Assisting Council*

**J**eri Fowler, CDA, RDAEF2, OA, assistant director, Continuing Dental Education and Alumni Affairs and founding director of LLU School of Dentistry's Registered Dental Assistant Expanded Functions (RDAEF2) program, has been appointed by the Dental Board of California (DBC) to serve on its seven-member Dental Assisting Council.

Ms. Fowler was selected by the DBC to fill a position designated for a registered dental assistant expanded function faculty position that meets four times annually and for a term that expires March 2023.

The Loma Linda University School of Dentistry Registered Dental Assistant Expanded Functions (RDAEF2) program celebrated its first graduating class of ten students on April 22, 2018. Its third class graduated in July of 2020, for a total of 38 graduates to date.

Ms. Fowler hopes to contribute coherence to the Dental Board of California's oversight of the state's accredited RDA and RDAEF programs.



*Ms. Jeri Fowler*

### *Price Family Imaging Clinic acquires NewTom VGi EVO*

**T**he LLUSD Price Family Imaging Clinic is pleased to announce the arrival of the NewTom VGi EVO. Utilization of the new technology for patient care commenced January 23, 2020.

Performance highlights:

- True panoramic, cephalometric radiographic mode
- Regular/High resolution of large, medium and small volume utilizing either Enhanced, Regular or Eco mode
- Single and dual arch field of view options
- Standard voxel saves at 0.3mm for large volume scans which complies with laboratory standards
- CineX scan to capture a TMJ video of open/close position
- Guided surgery scans

"I am extremely excited about the capabilities of the NewTom EVO and look forward to helping clinic constituents with their imaging needs," says Karen Lane BA, RDA, CDA, supervisor, 3D Imaging Clinic. "The imaging clinic will continue to export both DICOM files so that clinicians can use third party viewing and guided surgery software as well as the native software NNT."



*NewTom VGi EVO*



## NEWS

## Dean Handysides receives Healing Hands pin during virtual LLUSD Comes to You event

LU School of Dentistry Dean Robert Handysides, DDS'93, was presented by LLUH President Richard Hart, MD, DrPH, a Healing Hands silver pin for the treatment of a grateful patient who donated to the School of Dentistry in the dean's name.



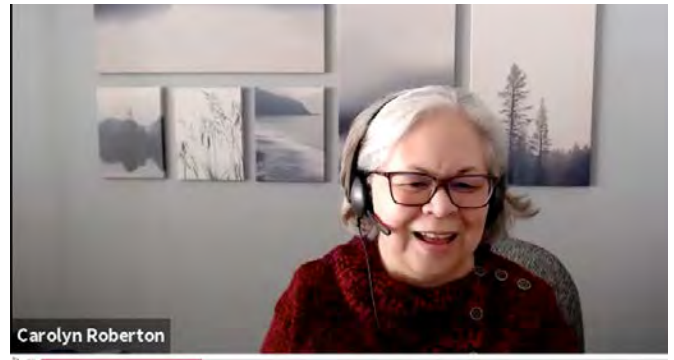
*Dean Robert Handysides*



*President Richard Hart*



*April Ziegele, DDS'97*



*Carolyn Robertson, AS'76, BS'78 (DH)*



*Kenneth Pierson, DDS'71*

Dean Handysides was honored during an "LLUSD Comes to You" virtual meeting with predominately LLUSD alumni from Central California north through Washington State. There were 45 attendees to the 80-minute online reception.

The dean joins a number of earlier LLUSD recipients of Healing Hands awards. Wesley Okumura'94, MS, assistant professor, Department of Pediatric Dentistry, in March of 2015, was the first LLUSD clinician to receive a Healing Hands pin. Later that year, Zina Johnston, DDS'00, assistant professor, Division of General Dentistry, and Daniel Tapia, BS'09, formerly a dental hygienist at LLUSD Faculty Dental Practice, also received silver pins.

In 2018 Alan Herford DDS'94, MD, professor and chair, Department of Oral and Maxillofacial Surgery (OMFS), received a silver pin and was so honored again in 2019 along with colleagues Carlos Moretta, DDS'01, assistant professor, OMFS, and Matthew Streelman, DDS'11, clinical instructor, OMFS.

Participants in the "LLUSD Comes to You" virtual meeting enjoyed hearing about the School directly from the dean as well as the opportunity to ask the dean questions and connect with old friends and classmates.



## NEWS

## Lane Thomsen honored for contributions to Continuing Dental Education

A cement bench located on the LLU campus honors the continuing education contributions Lane C. Thomsen, DDS'65, MS'74, has made for 50 years of lecturing to oral healthcare professionals.

A metal plaque embedded in the back of the bench reads:

"In appreciation for five decades of continuing dental education. Sponsored by alumni grateful for his knowledge, vision, and wit."

Dr. Thomsen made his first continuing education presentation for LLUSD Continuing Education in March of 1974 entitled, "Clinical Oral Pathology for Dental Hygienists and Auxiliaries." Forty-five years later, on November 17, 2019, Dr. Thomsen delivered his last continuing education class entitled, "The Good, the Bad and the Ugly: A review of a wide array of oral lesions."

From his initial year on the LLUSD faculty in 1970, until his semi-retirement in 2011, Dr. Thomsen consistently received some of the highest course evaluations from dental and dental hygiene students:

"Funniest teacher I've ever had!"

"He is an absolutely wonderful teacher."



*Dr. Thomsen enjoys his honor with Kathleen Moore, director, Continuing Education, Alumni Association & Marketing.*

"I love Dr. Thomsen's sense of humor."

In 2011, Dr. Thomsen was presented the Teacher of the Year Award by Dean Charles Goodacre who thanked him for his "leadership and service to the School," in part for many years as chair of the ODRP Department. He added that Dr. Thomsen "is a national continuing education speaker, and a favorite Alumni Student Convention presenter for both hygienists and dentists."

## Matthew Mecheal, DDS'19, CDA Foundation grant recipient

For his practice of dentistry in an underserved community, Matthew Mecheal, DDS'19, was awarded a CDA Student Loan Repayment Grant.

The grant provides up to \$105,000 over three years toward repayment of dental school student loans—debt that the American Dental Association says averaged \$292,169 for the 2019 class of dental students.

"I believe that dentistry as a service gives providers an opportunity to serve those who face barriers to care," says Dr. Mecheal. "This award will greatly advance my ability to give back and help those who truly need dental care."

The Laguna Niguel native is providing dental care to the underserved at St. Jude Neighborhood Health Center in Orange County.

As an LLUSD student, Dr. Mecheal volunteered at clinics providing dental services to the underserved and participated in service learning trips to Honduras and Angola—experiences that confirmed his concern for those who face barriers to dental care.



*Dr. Matthew Mecheal*



## NEWS

*Prosthodontics graduate student awarded by PCSP for research*

**A**bdullah Alnasser, BDS, first year graduate student, Advanced Dental Education Program in Prosthodontics, was awarded 2nd Place Recipient in the 2020 Pacific Coast Society for Prosthodontics Graduate Research Competition for his research project entitled, "Evaluation of Implant Screw Tightening Protocols on Reverse Tightening Values: An in vitro study."



*Dr. Alnasser enjoys his award with Mathew Kattadiyil, BDS, MDS, MS, program director, Advanced Dental Education Program in Prosthodontics.*

## *Department of Pediatric Dentistry awarded CSPD Foundation grant*

**T**he Department of Pediatric Dentistry was awarded the California Society of Pediatric Dentistry Foundation COVID-19 grant in the amount of \$25,000.

Slated for clinic equipment, supplies, and training, the award is a one-time CSPD Foundation financial assistance grant offered to assist programs with the challenge of training residents—and the safe reopen of clinics—under the stress of the COVID-19 pandemic.

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## NEWS

## *LLUH Front Line Healthcare Worker's honored by Appreciation Motorcade*

A motorcade comprised of a wide variety of first responder vehicles drove from the north end of Campus Street in a two-mile "U" that concluded at the corner of Anderson and Stewart streets to honor the heroic service that has been provided by LLUH frontline healthcare personnel over the past several weeks in the face of the Covid-19 pandemic.

LLU personnel applauded LLUH's frontline healthcare workers from Anderson Street.

The Appreciation Motorcade took place on Wednesday, April 29, 2020, at 6:30 am, to make certain the respect and appreciation for the unusual and sometimes risk requiring efforts of frontline healthcare personnel was not missed. LLUH administrators and staff, with masks and social distancing, lined especially Campus and Anderson streets waving, whistling, and shouting their support as a helicopter circled overhead.

The Appreciation Motorcade was reprised at 6:30 pm along the same route.



*Esther Forde, MBA, MA, assistant dean, Admission & Student Affairs, celebrates the commitment of LLUSD's clinical staff.*



*Eun-Hwi Cho, DDS'93, assistant dean, Educational Quality and Outcomes, waves appreciatively to Loma Linda's first responders in celebration of healthcare workers.*



## NEWS

*Rami Jekki 2020 LLUSD Teacher of the Year*

*Dr. Jekki receives his honor from Dean Handysides.*

**D**r. Rami Jekki, BDS, DDS'06 (IDP), was named 2020 LLUSD Teacher of the Year.

Presentation of Dr. Jekki's award was a collaboration between Mark Estey, DDS'98, and Dean Robert Handysides, DDS'93, during an online Faculty Advance Seminar September 18, 2020.

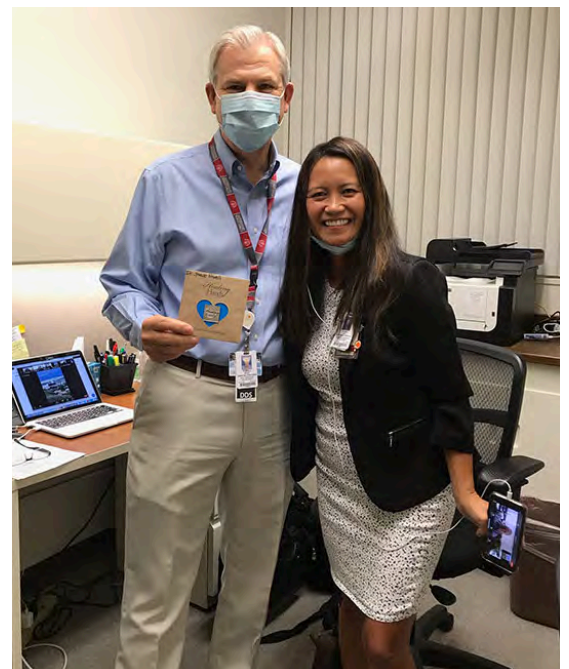
While Dr. Estey was reading the laudatory remarks, Dean Handyside slipped from his office over to where Dr. Jekki was participating in the Faculty Advance Seminar online.

"Dr. Jekki's accomplishments have made an extraordinary impact on students, peers, and the School family," said Dr. Estey.

*Steven Powell awarded Healing Hands silver pin*

**S**teven Powell, DDS'87, assistant professor, was presented a Healing Hands silver pin by Ms. Jane Hoag, senior development officer, LLUH, during the September 18, 2020, Faculty Advance Seminar.

A grateful patient made a gift to LLUSD out of appreciation for Dr. Powell's compassionate professional care.



*Dr. Powell is congratulated by Ms. Hoag.*



## FOND FAREWELLS

*The LLU School of Dentistry mourns the loss of each passing alumnus and attempts to notify the School family of each departure. As a Christian institution, we look forward in faith to the day when there will be a great alumni reunion that brings us all together again.*

### With our condolences



|   |                    |
|---|--------------------|
| Darla Amador, BS (DH)'78                | December 16, 2019  |
| H. Joseph Andrews, DDS'77               | August 5, 2019     |
| Charles D. Arnett, DDS'64               | January 7, 2020    |
| Jerry Aso, DDS'78                       | January 9, 2019    |
| Jack R. Booker, DDS'60                  | July 4, 2020       |
| Robert Bravin, MS'76                    | June 26, 2020      |
| Lawrence DeVerne Day, DDS, MS'69        | September 28, 2020 |
| James P. Caley, DDS'87                  | August 11, 2020    |
| James A. Dieringer, DDS'70              | October 16, 2019   |
| Richard C. Griswold, DDS'62             | July 21, 2020      |
| Donald M. Hickman, DDS'64               | September 16, 2020 |
| Craig M. Hisey, DDS'73                  | May 6, 2020        |
| Elmer Kelln, DDS                        | October 7, 2020    |
| George T. Matsuno, DDS'62               | May 18, 2018       |
| Kenneth E. Nelson, SD'76, SM'77, MPH'76 | September 28, 2020 |
| Harold Olson, DDS'72                    | January 15, 2019   |
| Miguel Pappaterra, DDS'10 (IDP), MS'16  | August 30, 2020    |
| Charles Paxton, DDS'70                  | February 1, 2014   |
| Don Lee Peters, DDS'61, MS'69           | August 3, 2020     |
| Lowell D. Plubell, DDS'62               | February 21, 2020  |
| L. Alfred J. Pragasam, DDS'76           | September 3, 2020  |
| Donald E. Prosser, DDS'57               | January 26, 2020   |
| Nels E. Rasmussen, DDS'61               | June 20, 2020      |
| Darrell LeRoy Rich, DDS'70              | June 19, 2019      |
| Phyllis J. Schmidt, BS'68 (DH)          | August 18, 2020    |
| Michael Todorovic, DDS'81               | June 3, 2020       |
| Lawrence R. Winn, Jr, DDS'69            | March 24, 2020     |
| Kenneth R. Wynn, DDS'60                 | September 15, 2020 |
| Ronald Zane, DDS'57                     | July 9, 2020       |



# *Save the Date*



LOMA LINDA UNIVERSITY  
HEALTH

# *homecoming*

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Thursday, March 4 – Monday, March 8  
**2021**

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For all the latest updates, visit  
**[llu.edu/homecoming](https://llu.edu/homecoming)**