

SCOPE

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New educational and health care facility will change the future for neighboring San Bernardino

Loma Linda University Health – San Bernardino Groundbreaking



MANY STRENGTHS. ONE MISSION.

A Seventh-day Adventist Organization



LOMA LINDA
UNIVERSITY
HEALTH

When simplified to single-word descriptors, the stories in this issue of Scope blaze as messages of hope ...

Faith. Inspiration. Healing. Discovery. Teaching. Innovation. Wholeness.

Our cover story exemplifies these words as it shares plans for the new Loma Linda University Health – San Bernardino. This endeavor of outreach will allow us to bring higher education and medical care to our next-door neighbors who lack in opportunities for both.

This project of innovation and inspiration is built on faith in God’s plan. Through it, Loma Linda will bring teaching, healing and discovery to thousands of individuals seeking wholeness.

Loma Linda University Health chose these seven words as

anchor points around which to share our story with the worldwide Seventh-day Adventist Church during the recent General Conference Session held in San Antonio. You can read about this on page 4.

In further pages, we share stories of individuals conquering hardships; of excellence in research, education and clinical care; of milestones; and of outreach both local and international.

The stories reveal different ways Loma Linda University Health shares wholeness with individuals and populations,

whether through the touch and expertise of students, alumni, professors and clinicians; through research that enhances understanding of how to improve health; through organizational initiatives; or through Vision 2020, our plan for a more comprehensive strategy for the health of our community and our world.

Former patient Angela McWilliams says on page 14, “Loma Linda gave me my life back.” A life of wholeness is the desire for each person who comes in contact with Loma Linda University Health. With God’s blessing, we will help restore a hurting world.





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New facility in San Bernardino will enhance education and clinical care in the city

By Jiggs Gallagher

Construction has moved quickly at Loma Linda University Health – San Bernardino, a new, mission-focused facility being constructed in the city’s downtown.

After several years of planning, work on the \$68-million project began with a groundbreaking in December 2014.

The celebration attracted an overflowing audience and included dignitaries representing federal, state, local and tribal governments; the school district; the Seventh-day Adventist Church and Loma Linda University Health.

The ceremony culminated in a standing ovation after an emotional announcement of a \$10 million gift by the San Manuel Band of Mission Indians toward the project.

Since the groundbreaking, the building has steadily taken shape and construction is on track for its scheduled completion in mid-2016.

This project represents a new approach to improving the health of the city of San Bernardino and will serve as a model for communities across the country.

The challenges facing San Bernardino are well documented and parallel those experienced in many urban centers around the country. “Studies of the infrastructure of San Bernardino have found that there are two significant unmet needs in this community,” explains Richard Hart, MD, DrPH, president

of Loma Linda University Health. “The first is a lack of skilled workers. The second is a lack of quality health care.

“It takes a multi-faceted approach to address the health challenges of a community,” Hart continues. “Loma Linda University Health is in a unique position to lead this innovative city renewal project that will provide career education, offer greater access to health care, create employment opportunities, and share best practices that promote health and wholeness for years to come.”

The campus will house the new San Manuel Gateway College, a specialty clinic, and vegetarian restaurant and demonstration kitchen to support these functions.

The San Manuel Gateway College, named in recognition of the tribe’s generosity, is a new and unique educational collaboration with the San Bernardino City Unified School District, the San Bernardino Community College District and other entities.

This initiative will provide career opportunities through six- to 12-month entry-level medical certification courses, such as phlebotomy and medical and dental assisting, for high school and adult students who come predominantly from disadvantaged and impoverished communities of San Bernardino and the surrounding area.

Students in the San Manuel Gateway College will train alongside residents and students from Loma Linda University

Health’s eight health care schools.

San Manuel Gateway College graduates will be prepared for gainful employment in these entry-level positions as well as the opportunity, if they choose, to pursue higher levels of education in the health professions.

A clinic operated by Social Action Community (SAC) Health System will offer affordable clinical care to underserved communities, more than doubling the space it currently occupies at the former Norton Air Force Base. Formed by Loma Linda University students and faculty in the 1960s as a way to help people in need, SAC Health System is now the largest single provider of Medical services in San Bernardino.

The new space will grow this outreach and feature world-class health care provided by Loma Linda University Health faculty, residents and students.

Finally, a gourmet, wait-service vegetarian restaurant will offer healthful foods to the community while demonstrating that plant-based eating can indeed be enjoyable. The restaurant will provide an important healthy dining option in the city center and offer another avenue to share the latest health advances made by Loma Linda University Health’s researchers.

During the December groundbreaking, numerous individuals expressed how much the facility will mean to the city.

San Bernardino Mayor R. Carey Davis, MBA, said, “This represents a great opportunity to revitalize our



Loma Linda University Health



Artist's concept



Top photo: An artist's rendering depicts the new Loma Linda University Health – San Bernardino. **Left photo:** Officials break ground for the new facility. Pictured from left to right are Ted Wilson, PhD, MDiv, MSPH; Nancy Young; Patrick J. Morris, JD; Dale Marsden, EdD; Tom Ramos; Ken Ramirez; Richard Hart, MD, DrPH; Pete Aguilar; R. Carey Davis, MBA; and Lowell Cooper, MDiv, MPH. **Right photo:** Members of the San Manuel Band of Mission Indians and Santa Rosa Band of Cahuilla Indians share a traditional tribal song in honor of the groundbreaking. From left to right are Trevor Matthews, San Manuel Tribal Member; Kim Marcus, Santa Rosa Tribal Member; Tom Ramos, San Manuel Tribal Member; and Ken Ramirez, San Manuel Tribal Secretary.

downtown area. It will also begin to change the image of San Bernardino. It will show that economic activity is returning. We see the collaboration and partnership as one that is very important to the rebirth of our downtown.”

Ken Ramirez, tribal secretary, San Manuel Band of Mission Indians, spoke movingly about the tribe's century-long relationship with Loma Linda University Health and how, when the tribe had little means in the early 1900s, Loma Linda physicians and nurses cared

for tribal members when no one else would do so. He said tribal members still remember and are grateful for the compassion shown to them.

Ramirez added that the tribe is blessed to be able to give a significant contribution to help make the valley community a better place. “We are excited to help community members improve their health and reach greater self-sufficiency through the education and care they will receive at the new San Manuel Gateway College and Loma

Linda University Health – San Bernardino.”

A live webcam showing the construction progress on this innovative health care and educational center is available at lomalindauniversityhealth.org/sanbernardino. The image updates every few seconds. **SCOPE**



Worldwide Adventist Church members meet Loma Linda University Health

By Jiggs Gallagher and Nancy Yuen

The 60th General Conference Session of the Seventh-day Adventist Church, held July 2 to 11 in San Antonio, Texas, provided a powerful opportunity for Loma Linda University Health to meet with members of the Adventist world church.

People from 168 countries attended the session, which was the largest conference ever held in that city.

As they visited the convention center during the 10-day event, many of the session's more than 65,000 participants experienced Loma Linda University Health at its exhibit.

After being welcomed by Loma Linda staff, guests entered the exhibit between gates replicating those on Anderson Street that lead to the Mission Globe sculpture on campus. A model of the globe was also present in the exhibit.

Guests could choose from a variety of activities, with many posing in front

Right: At the exhibit, President Richard H. Hart, MD, DrPH, left, joins a family exploring information about Loma Linda University Health on one of seven electronic touchscreens.

Below: A panoramic view of the exhibit gives a sense of its presence and popularity.

of the replica of "This is the Very Place." This sculpture of Ellen G. White, John Burden and Mrs. White's son Willie depicts the moment in 1905 when Mrs. White stated that this was the place she had seen in vision.

Perhaps the most powerful result of Loma Linda University Health's presence in San Antonio was that people from around the world who have heard and embraced Loma Linda's message of wholeness were able to interact with the organization's theologians, physicians, researchers and other leaders who shared information in various presentations.

Activities on the Loma Linda exhibit stage included quizzes about health

topics and the storied history of the organization. In addition to the lively quiz sessions, speakers highlighted Loma Linda's signature areas of expertise.

Danny Fontoura, MBA, vice president for wholeness, shared the landmark progress in the area of wholeness that experts at Loma Linda continue to pursue.

Terry Butler, DrPH, presented recent Adventist Health Study findings and gave tips about how to live a healthier, longer life.

D.P. Harris, PhD, vice president/ chief information officer for academia, Loma Linda University Health, demonstrated computer games that Loma Linda is developing to help students



60th General Conference Session in San Antonio, Texas

learn about various systems of the body and improve first responders' efforts during major disasters, and other topics.

Life-changing takeaways included tips by School of Behavioral Health Dean Beverly Buckles, DSW, on how to bolster one's resilience in the face of stress.

The global interest in Loma Linda's Vision 2020 campaign and in living a life of wholeness was evident during lively question-and-answer sessions that were held after each presentation.

Visitors viewed Loma Linda University Health's nationally distributed PBS television documentary series, "Life on the Line," and a film trailer about the life and work of Wil

Alexander, PhD, a trailblazer who founded the university's Center for Spiritual Life and Wholeness. Many of Alexander's acquaintances, from as far back as 50 years ago, paused to greet and visit their friend and mentor. He worked at the exhibit each day throughout the conference to meet with friends old and new.

As the General Conference Session progressed, Loma Linda alumni were invited to visit with representatives from their schools, and President Richard Hart, MD, DrPH, hosted two receptions for them.

Part of every presentation included a focus on "Vision 2020: The Campaign

for a Whole Tomorrow," Loma Linda University Health's monumental plan for the future. Videos showed the impact Vision 2020 will have in enhancing health care and health education, including a major building initiative on campus.

A depiction of the planned new hospital complex appeared in an area dedicated to Vision 2020, and throughout the conference, philanthropy staff shared information about the campaign and answered numerous questions.

Many Loma Linda alumni live lives of service, including Gillian Seton, MD, who, with Hart, made several presentations about her work as a deferred mission appointee from Loma Linda University Health through Adventist Health International.

In a demonstration of how Loma Linda University Health staff "Live It," Hart gathered with more than 30 of his colleagues, family and friends before dawn July 5 in downtown San Antonio. Wearing matching blue shirts emblazoned with Loma Linda University Health "Live It" messaging, they participated with about 2,500 people in the

Continued next page



Left: Wil Alexander, PhD, far left, answers questions regarding a documentary that is being developed about his life and work. Alexander founded Loma Linda University Center for Spiritual Life and Wholeness.



Continued from previous page
InStep 4 Life 5K Fun Run sponsored by the Adventist church.

Throughout the 10 days of the General Conference session, Loma Linda University Health communicated how it is fulfilling its mission “to continue the teaching and healing ministry of Jesus Christ.”

Courage in the Ebola epidemic: Gillian Seton shares stories from Cooper Adventist Hospital

Gillian Seton, MD, an alumna of the Loma Linda University School of Medicine, has been serving as a deferred mission appointee at Cooper Adventist Hospital in Monrovia, Liberia, in West Africa, since early 2014.

As fate would have it, Seton arrived at Cooper just before the region’s outbreak of Ebola, a deadly infectious

disease. Rather than return to the United States, the young physician chose to stay and keep the small hospital open in order to treat other life-threatening conditions, such as malaria and obstetric complications.

Seton told her story while being interviewed by Richard Hart, MD, DrPH, president of Loma Linda University Health, on the main stage at San Antonio’s Alamodome before tens of thousands of Adventists (and also broadcast worldwide on the Hope Channel). They reprised the interview on the Mission Spotlight stage in the nearby Henry B. Gonzalez Convention Center — site of the many exhibits — and yet again in the Loma Linda University Health exhibit.

The brave young physician’s narrative captivated the attention of many people at the General Conference Session and globally.

‘This is The Very Place’ draws crowds

As tens of thousands of delegates and visitors poured through Loma Linda University Health’s exhibit at the 60th General Conference

Session, one spot in particular drew heavy crowds.

The most popular place in the exhibit was a full-size sculpture of Ellen G. White, her son, Willie, and John Burden, one of the founders of Loma Linda University Health. The moment in time it depicts is June 12, 1905, when Mrs. White first visited the newly purchased property that is now Loma Linda University Health.

“I have been here before,” she said to her son. “No, Mother, you have never been here,” he responded.

She answered, “Then this is the very place the Lord has shown me, for it is all familiar.” Mrs. White had seen it during a 1901 vision of a health institution that should be established in Southern California.

Visitors to the exhibit were eager to have their photos taken with the sculpture, which duplicates the original dedicated on campus in May 2014. Both versions were designed and completed by sculptor Victor Issa.

Guiding visitors through the exhibit and taking many of the photos were volunteers Dynnette Hart, DrPH, recently retired associate dean for the School



During a missions emphasis program attended by thousands at San Antonio’s vast Alamodome, Richard Hart, MD, DrPH, right, president of Loma Linda University Health, interviews alumna Gillian Seton, MD, about her service in Liberia during the recent Ebola outbreak. During those scary days, Seton served to keep Cooper Adventist Hospital open in the capital city of Monrovia. Her work was supported by Adventist Health International, based in Loma Linda and led by Hart.



Hundreds of photos were taken in front of a replica of the “This is the Very Place” sculpture during the General Conference Session. Photobombing this family’s Kodak moment is Bez Rengifo, right, senior manager in Loma Linda University Health people services department.

of Nursing, and her husband, Kenneth Hart, MD, medical director of SAC Health System.

And the answer is ...

Another attractive feature of the Loma Linda University Health exhibit at the General Conference Session was the “Quiz Stage.” Actually used for various kinds of presentations, the stage was often the site of quick, funny and informative quizzes whenever a handful of people would gather.

The quiz questions revealed stories and information about Loma Linda University Health’s rich history and wealth of health knowledge to visitors from around the world.

Below is a sampling of multiple-choice questions that were asked during the quizzes:

1. Which of these provided the most income for Loma Linda in 1910?
 - A. The bakery
 - B. The Sanitarium
 - C. Water rights
2. An ambitious new research program at Loma Linda University Health will attempt to do something new in the history of medicine. Which is it?
 - A. Make healthy ice cream from turnips



Kerry Heinrich, JD, CEO, left, Loma Linda University Medical Center, and Rachele Bussell, senior vice president of advancement, Loma Linda University Health, talk about “Vision 2020: The Campaign for a Whole Tomorrow,” Loma Linda University Health’s monumental plan for the future, from the Mission Spotlight stage at the 60th General Conference Session.

- B. Define health at the cellular level
 - C. Train rattlesnakes not to bite
3. In the first Adventist Health Study, which of the following did NOT decrease the risk of colon cancer?
 - A. Eating red meat
 - B. Eating legumes
 - C. Eating fruit (fiber)

twice as much as the Sanitarium.

2. Loma Linda University Health researchers will define what health looks like at the cellular and molecular levels. Most biomedical research has focused on what causes disease, but the idea of what health looks like is an entirely new way of phrasing the question.

3. While eating legumes and fruit decreased the risk of colon cancer by up to 40 percent, eating red meat actually increased the risk of colon cancer by as much as 60 percent. All three diet factors suggested that a vegetarian diet decreased colon cancer risk. **SCOPE**

Answers

1. The convenience and quality of the bakery goods made them very popular — and their sale generated an impressive gain. The bakery earned more than



Graham Allen, advancement management resident, poses quiz questions to an audience gathered at the Loma Linda University Health exhibit.



Loma Linda University Health staff, family and friends showed how they “Live It” by participating in the Adventists InStep 4 Life 5K Fun Run during the General Conference Session.

Constituents take historic step toward single governance at Loma Linda University Health

By Jiggs Gallagher

A special constituency meeting of Loma Linda University Adventist Health Sciences Center (LLUAHSC) took place simultaneously in several locations in April to consider a historic step toward single governance for all entities on campus.

A total of 182 people participated in the unanimous decision. Some gathered on campus in the Centennial Complex's Damazo Amphitheater where, via video teleconference, they joined with others who were attending the annual spring meeting of the General Conference of Seventh-day Adventists in Silver Spring, Maryland. The General Conference is Loma Linda University Health's parent corporation.

Richard Hart, MD, DrPH, president of Loma Linda University Health, was in Silver Spring for the meeting. He was joined there by Elder Lowell Cooper, MDiv, MPH, chair of the LLUAHSC Board of Trustees — and general vice president of the General Conference — who presided over the meeting. An additional 18 members listened to the

meeting by phone from various locations.

By LLUAHSC bylaws, individuals invited to participate in the special constituency meeting included members of the General Conference Executive Committee and officers from other world divisions of the church.

Loma Linda representatives included board members and corporate officers of the core corporations at Loma Linda, as well as physicians from the medical staff, deans from the eight university schools and representatives from the faculty, students, alumni, employees and members of the local community.

The purpose of the constituency meeting was threefold:

- To amend the LLUAHSC bylaws to enlarge the size of the Board of Trustees by making provision for

physician and hospital administration representation and to facilitate progress toward a single governance system for the organization,

- To authorize the board to fill the added positions and
- To approve a resolution to amend the Articles of Incorporation to change the name from Loma Linda University Adventist Health Sciences Center to Loma Linda University Health.

“We are engaged in a process of unifying and streamlining operations at Loma Linda University Health,” says President Hart. “Combining these boards is one part of that process, which will continue with other steps over the next few years. We expect many good things to result from this endeavor.” **SCOPE**

“We are engaged in a process of unifying and streamlining operations at Loma Linda University Health,” says President Hart. “Combining these boards is one part of that process, which will continue with other steps over the next few years. We expect many good things to result from this endeavor.”



Constituents gathered on campus raise their arms in the historic “yes” vote during the bicoastal teleconference.

Quarter-century celebrations

Clinic with a Heart and Proton Charity Invitational both reach 25 years

By Nancy Yuen

Two important programs on campus — one might say institutions — have celebrated 25th anniversaries in 2015. Both support strategic elements of Loma Linda University Health's mission to continue the teaching and healing ministry of Jesus Christ.

Proton Charity Invitational supports pioneering proton treatment for cancer

Supporters of the James M. Slater, MD Proton Treatment and Research Center at Loma Linda University Medical Center gathered for the 25th annual Proton Charity Invitational on April 27 at The Club at Morningside in Rancho Mirage. More than 180 golfers participated.

The invitational, which for many years was hosted by late golf legend Ken Venturi (from 1991-2012), has raised more than \$3.5 million in support of proton research. Venturi was honored during the 2014 event, and new tournament chair and host John Cook, a good friend of Venturi and a longtime tournament advisor, was introduced. The new advisor is now PGA professional Jamie Mulligan.

In the early 1970s, when Venturi's mother was fighting cancer, he met James M. Slater, MD, vice chair and professor, department of radiation medicine, who was her physician. Thankful for the

care Slater had provided to his mother, Venturi asked: "How can I ever repay you?" Slater replied, "Some day I may ask for a favor." Venturi immediately responded, "You have it!" He would honor his promise, serving as invitational chair and host until his death in 2013.

In 1990, Slater pioneered hospital-based proton therapy for cancer at LLU Medical Center. The James M. Slater, MD Proton Treatment and Research Center continues to lead in research on how proton therapy can save lives.

More than 18,000 patients have been treated at the center, which now offers therapy for over 20 types of cancer.

Clinic With a Heart, student-led for 25 years, provides free dental care to underserved patients

During its 25-year history, thousands of patients have received care at the School of Dentistry's annual Clinic with a Heart day — such as preschoolers with pain caused by tooth decay and adults who, after a tooth extraction, can again sleep soundly. Parents leave understanding how to take care of their children's teeth to prevent future damage.

"Recent studies have shown," says Leif K. Bakland, DDS, "that the state of one's oral health and teeth influences a person's overall health and longevity."

It was Bakland who, when he was associate dean for clinic administration at the School of Dentistry, approached den-



tal student association leaders with the idea for a day of care for the needy in the community. According to Bakland, Clinic with a Heart was modeled after a program sponsored by a number of dentists in several states, Doctors with a Heart, where doctors opened their practices to provide dental care for medically underserved in their communities.

"Clinic with a Heart," says one student, "is a day where we're not faculty, students or staff. We work as one group to help people and alleviate pain. This brings me joy because it is why I chose dentistry."

The 25th annual Clinic with a Heart took place Jan. 11, and 222 patients received treatment that day. **SCOPE**

The 25th annual Clinic with a Heart took place Jan. 11, and 222 patients received treatment that day. **SCOPE**

Students and faculty bustled during Clinic with a Heart on January 11, when 222 patients were treated.



School of Public Health takes leading role in addressing homelessness and health equity

By Susan Onuma

From day one, outreach — local and global — has remained a priority of Loma Linda University Health. The School of Public Health plays a key role in improving health in the inland Southern California region.

In April, two back-to-back conferences were co-sponsored by the school.

The first, Proven Practices: Taking it to the Next Level, focused on the issue of homelessness in San Bernardino County. The county took a hard hit during the recent economic recession, and a number of government agencies and nonprofit organizations have joined forces to provide help to those who find themselves homeless.

Nearly 400 people attended and heard from speakers including John McMahon, sheriff-coroner of the county of San Bernardino; County Supervisors James Ramos and Josie Gonzales; Richard Hart, MD, DrPH, president of Loma Linda University Health; and Philip Mangano, president and CEO of the American Roundtable to Abolish

Homelessness and former czar for homelessness policy under President George W. Bush.

The conference concluded with a discussion about programs to implement in the quest to stop homelessness.

“Hundreds of people, community leaders, homeless advocates, law enforcement officials, nonprofit leaders and faith-based organizations were invigorated and energized to continue the fight to end homelessness in the county of San Bernardino,” says County Supervisor Josie Gonzales.

The second conference, the 2015 Inland Empire Healthy Cities Symposium, discussed how Riverside and San Bernardino counties can advance health equity through the use of geographic information systems (GIS) technology and health data.

Este Geraghty, MD, MS, MPH, chief medical officer and health solutions director of Esri, a leading producer of GIS software, web GIS and geodatabase management applications, offered the keynote address.

For the 200 attendees of the



Incorporating geographic technology in the quest to create healthier cities was the topic of the keynote address by Este Geraghty, MD, MS, MPH, chief medical officer and health solutions director of Esri, an international leader in geographic information systems (GIS) software, during the 2015 Inland Empire Healthy Cities Symposium.

2015 Inland Empire Healthy Cities Symposium, the conference concluded with questions and answers, comments and next steps that will help create programs to make Riverside and San Bernardino counties healthier. **SCOPE**

PICU marks 25 years of service to the most severely ill and injured children

By Larry Kidder and Briana Pastorino

More than 30,000 of the most severely ill and injured children from a four-county area and beyond have been cared for by the staff at the Loma Linda University Children's Hospital pediatric intensive care unit (PICU) since it opened 25 years ago.

The PICU serves children from San Bernardino, Riverside, Inyo and Mono counties. As part of a level I trauma center, it cares for the most critically ill and injured of 1.3 million children in the region. Ronald Perkins, MD, and Daved van Stralen, MD, founded the original 12-bed PICU — now 25 beds — and continue to serve the organization.

On Feb. 17, San Bernardino County Supervisor James Ramos presented PICU staff with an official proclamation recognizing 25 years of serving local communities.

"Loma Linda is leading the way," Ramos said in his remarks. "Their healing ministry cannot be overlooked in any way because it truly is a ministry that is bestowed here by the staff."

Shamel Abd-Allah, MD, chief of



San Bernardino County Supervisor James C. Ramos, center, presented the Loma Linda University Children's Hospital PICU with a proclamation for its 25 years of service on Feb. 17. With Ramos are, from left to right: Terry Hansen, MPH, chief operating officer, Loma Linda University Medical Center (LLUMC); Cynthia Tinsley, MA, assistant professor of pediatrics; Richard Chinnock, MD, professor and chair of pediatrics; Daved van Stralen, MD, assistant professor of pediatrics; Shamel Abd-Allah, MD, chief of pediatric critical care division; Children's Hospital patient Alexsandra Alcala, holding the proclamation; Ramos; Richard Hart, MD, DrPH, president of Loma Linda University Health; Roger Hadley, MD, dean of the School of Medicine; and Kerry Heinrich, JD, CEO of LLUMC.

pediatric critical care at the Children's Hospital, accepted the proclamation on behalf of the PICU team.

Kerry Heinrich, JD, Loma Linda University Medical Center CEO, also

attended the celebration. "We are so grateful to our staff," Heinrich shared, "but we are most grateful for what we can do for our patients. That's why we are here." **SCOPE**

Loma Linda University Children's Hospital receives separate licensure and CMS full-deemed status

By Larry Kidder

There was recently a flurry of activity behind the scenes, unbeknownst to pediatric patients and their families in house at Loma Linda University Children's Hospital.



For a 24-hour period on November 16, 2014, months of preparation culminated in a successful separation as Loma Linda University Children's Hospital became its own state-licensed entity.

Attention to detail by so many hospital employees and administrators was rewarded just five days later by full-deemed status from the Centers for Medicare & Medicaid Services, part of the U.S. Department of Health and Human Services.

Loma Linda University Health has been caring for children for more than half a century — long before it was popular or well-funded.

"At Loma Linda, we have always believed that it is the right thing to do to serve the youngest and most vulnerable

members of our community," says Kerry Heinrich, JD, Loma Linda University Medical Center CEO.

Heinrich explains that a major motivator for separate licensure has been the need to fully join the circle of eight hospitals that exclusively serve the children who are part of California's 38 million residents.

"Under the Affordable Care Act, funds are now available that relate not only to children's health care, but to teaching and physician residency programs in pediatrics and related subspecialties," Heinrich reveals. "As a free-standing children's hospital, we can now receive more of these funds to support our pediatric faculty and residents as they provide world-class care." **SCOPE**

Getting ready for the inevitable

How Loma Linda University Health is preparing for the next big disaster

By Briana Pastorino

Sirens blare, crowds gather. People scream and children cry. There was an explosion. The air is filled with smoke, making it difficult to see beyond six inches.

You brace yourself, putting your hand on the first thing you can find — the wall of the train. And although you can't see it, you feel that it's wet and sticky ... blood. There is little to no movement from people around you.

This was the scene at the Advanced Responder Training Complex in Anniston, Alabama, part of the Federal Emergency Management Agency (FEMA) Center for Domestic Preparedness. The center opened its doors in 1998.

The explosion was not real, nor were people actually injured. It was a staged terrorist attack on a fake public transportation station using a pressure cooker bomb employed by the Center for Domestic Preparedness as part of its Healthcare Leadership for All-Hazards

Incidents (HCL) training course.

Several Southern California hospitals sent 115 individuals to the training, five of whom were from Loma Linda University Medical Center, which is part of the San Bernardino County Hospital Preparedness Program Coalition.

The five-day training took place in June and exposed health care professionals and first responders to the dynamics of decision making during a disaster causing mass casualties — such as an earthquake, flood or active shooter scenario.

The first four days involved lectures and tabletop exercises, which were then applied during the integrated capstone event on the fifth and final day.

Bob Heintzelman, course manager for the HCL training, coordinates the training and teaches, priming not just health care professionals but also those in public health and safety.

"The classes focus on learning how each entity works with the others. It's a decision-making class," Heintzelman says, adding that the students learn everything from their organization's role to govern-

ment roles, medical supply management, mass fatality planning, stress management and decontamination.

The center also offers a separate training for hospital decontamination from dangerous chemicals or foreign agents.

James Parnell, a charge nurse in the pediatric emergency department at Loma Linda University Medical Center, was one of the five who traveled from Loma Linda to Anniston, but he was the only one who participated in the decontamination class. During the integrated capstone event that occurred on Friday, he treated patients as they cycled through the decontamination tent.

Three other clinicians and one administrative staff member from Loma Linda University Medical Center also traveled to Anniston for training.

Georgann Smith says, "As an emergency management specialist, I need to continue to train and develop my skills for communicating and executing a successful program."

Smith has worked in various hospitals in Southern California, but admits



Scene of the crime:

The simulated mass casualty incident was a terrorist attack on public transportation. No detail was spared in the creation of the scenario at the Advanced Responder Training Complex in Anniston, Alabama.



Lea Walters, MD, emergency department physician at Loma Linda University Medical Center (front right), and a team composed of Southern California hospital personnel treat a "patient" during the simulated mass casualty event on the final day of training at the Center for Domestic Preparedness.

she has never encountered a large disaster. “Our hospitals still have risks and we need to prepare for the inevitable,” she says. “The Center for Domestic Preparedness and its staff gave us the best tools to bring materials and best practices back to Loma Linda.”

Loma Linda University Health holds at least four disaster drills per year that can span across all the hospitals as well as the university. So far this year, there have been two — an institution-wide code red (fire) drill in March and a tabletop code silver (active shooter) drill in July for the neonatal and pediatric intensive care units.

Among her many roles at Loma Linda University Medical Center, Karen Greeley coordinates disaster planning for the neonatal intensive care unit at LLU Children’s Hospital.

In the training at Anniston, Greeley was assigned to the incident command center, along with Smith, and learned about the various roles and responsibilities of the command center.

Greeley admits she realized how much she did not know about the command center structure, but by Friday, she was well prepared for the mass casualty event.

“I was the medical operations

coordinator for inpatients, and it was interesting to see how that worked as part of the whole operation,” she says.

Working in the emergency department during the capstone event in Anniston, as well as in their everyday roles at Loma Linda University Medical Center, were attending physician Lea Walters, MD, and paramedic liaison nurse Shawn Reynolds.

Walters, who is also medical director of LLU Medical Center’s emergency department, has been an active member with the local federal disaster team for 20 years.

“This was quite an experience,” she says of her week in Anniston. During the Friday capstone event, she saw everything from patients with minor injuries to fatalities, to amputees as well as patients with behavioral issues. Some patients were dummies or mannequins, while several others were live actors employed to assist in making the course as realistic as possible.

“The lengths they go to in an effort to make it realistic are amazing,” Walters says.

She attests to the real-life issues she faced in the emergency department that day that might occur during a mass

casualty event, including a shortage of staff, supplies and resources.

In such an event, Walters says, “some very difficult decisions need to be made. It’s tough.” She adds that the training was a manifestation of the need to have a plan before a real disaster occurs.

Brett McPherson makes sure that Loma Linda University Health has such a plan. As director of environmental health and safety, he continuously reminds the organization of the importance of disaster preparedness, because a mass casualty event is inevitable.

Advocating for those who have received training at the Center for Domestic Preparedness, he encourages others to attend as well.

“This goes a long way,” he says, “to show not only our institutional readiness, but how we collaborate with our countywide partners to plan for the worst and hope for the best.” **SCOPE**

In addition to training its clinical staff for disasters, Loma Linda University Health ensures students are prepared, as well. Turn to page 21 for a story about a course at Loma Linda University that teaches students how to respond as interdisciplinary health care teams to a large-scale emergency.



James Parnell, charge nurse in the emergency department at Loma Linda University Medical Center (right), and one other trainee from a Southern California hospital remove clothing from an injured “patient” as part of the simulated mass casualty event at the Center for Domestic Preparedness.



Georgann Smith, right, emergency management specialist at Loma Linda University Health, and Karen Greeley, a nurse in the pediatric intensive care unit at LLU Children’s Hospital, were part of the hospital incident command center during the simulated mass casualty event at the Center for Domestic Preparedness.

Wife and mother regains her life — and health through bariatric surgery at Loma Linda University Health

By Larry Kidder

Angela McWilliams is no stranger to tragedy. At the age of 5, she was molested by a relative. She finally gathered the courage to tell her parents when she turned 17.

As a young wife, she witnessed a freak accident where her husband, who was riding a motorcycle several cars in front of her, tried his best to avoid a car that pulled out unexpectedly. Tragically, a second car ran him over. Pinned under the second car, he died within minutes while she watched helplessly.

“The scene kept replaying in my head,” she remembers, “so I overloaded my college classes and workload.”

During the little time left, McWilliams ate to distract herself. Following her husband’s death, she immediately moved back with her parents, then later found her own apartment. Her weight reached 235 pounds.

After each tragedy, McWilliams sank into deep depression. When she gained weight as a child, her parents signed her up for dance classes. As an adult, she established a pattern of weight gain, then diet and exercise.

She remarried, finding a husband whom she describes in glowing terms. “He has accepted me with all of my tragedies,” she smiles.

The two had a son together.

At her heaviest weight, following severe postpartum depression after the birth of their son, McWilliams tipped the scales at 302 pounds. But by working out and dieting, she managed to lose more than 100 pounds.

“Then I tore up my hip,” she recalls. “My physical activity stopped.” Simultaneously, her thyroid “took a dive” and the weight came back. McWilliams developed metabolic syndrome and type 2 diabetes, as well as sleep apnea.

Her orthopedist gave her several options to consider during a consultation. If they performed hip surgery first, she would likely experience a long and difficult recovery because of her weight. Her orthopedist also worried she would suffer long-term pain for the rest of her life.

Then he suggested that, if she lost the weight first, she could improve her chances for successful hip surgery and increase her odds for a smooth recovery. Had she considered bariatric surgery?

“I’d been thinking about it all right,” McWilliams laughs. “When he suggested bariatric surgery, I just knew that would be my next move.”

With recommendation letters from her

orthopedist, pulmonologist and primary care physicians, McWilliams was approved for bariatric surgery. “Then I began six months of required classes,” she remembers. “I chose nutrition and psychology classes.”

Her options for surgery included Linda University Medical Center. “As soon as I saw Loma Linda on the list, I knew I was going there,” she insists. “The Medical Center has done so much for my family.”

On May 5, 2014, McWilliams underwent bariatric surgery. Currently, she is at her target weight and has yet to undergo hip surgery. “Now that I’ve lost the weight, my hip pain is gone,” she smiles, “as well as my diabetes and sleep apnea.”

A stay-at-home mother with her 12-year-old son, McWilliams is more active than ever. “Loma Linda gave me my life back,” she reveals. “My body kept me from taking part in all that my heart wanted to. Now I can ride on roller coasters or go horseback riding with my son and husband.”

For information regarding the bariatric surgery program at Loma Linda University Health, visit lomalindahealth.org/medical-center/our-services/metabolic-and-bariatric-surgery/index.page. **SCOPE**



Bariatric surgery at Loma Linda University Health gave Angela McWilliams her life back, allowing her to avoid hip surgery to reduce pain following an injury, as well as reversing type 2 diabetes and sleep apnea. She holds a pair of pants that used to fit prior to her bariatric surgery.

A major step toward personalized medicine NIH grant enables purchase of next-generation DNA sequencer

By James Ponder

A grant for \$280,000 from the National Institutes of Health recently enabled Loma Linda University Health to purchase a state-of-the-art next-generation DNA sequencer that researchers are calling a major step toward the establishment of precision and personalized medicine research on campus.

According to Penelope Duerksen-Hughes, PhD, professor and associate dean for basic sciences in the biochemistry division of Loma Linda University School of Medicine, the award was in response to an application submitted in March 2014 by Charles Wang, MD, PhD, MPH, professor of basic sciences and director of the Center for Genomics at the school.

“The programming for each of our cells resides in our DNA — a very long set of chains made up of four different ‘bases’ called A, T, C and G,” Duerksen-Hughes explains. “The sequence of these four bases determines the exact proteins that will be made by each of our cells, and how each single cell will function. They determine everything from how quickly we metabolize drugs to the color of our hair.”

She says individual genes are composed of particular lengths of DNA molecules that have starting and ending points.

“This sequence is copied during a process called ‘transcription’ into message molecules called mRNA,” Duerksen-Hughes notes. “Later, these

Charles Wang, MD, PhD, MPH, and Penelope Duerksen-Hughes, PhD, proudly display the new Illumina DNA sequencer they just unwrapped. The state-of-the-art technology was funded by a \$280,000 grant from the National Institutes of Health.



mRNA molecules are ‘transcribed’ into the sequence of amino acids that makes up a particular protein.”

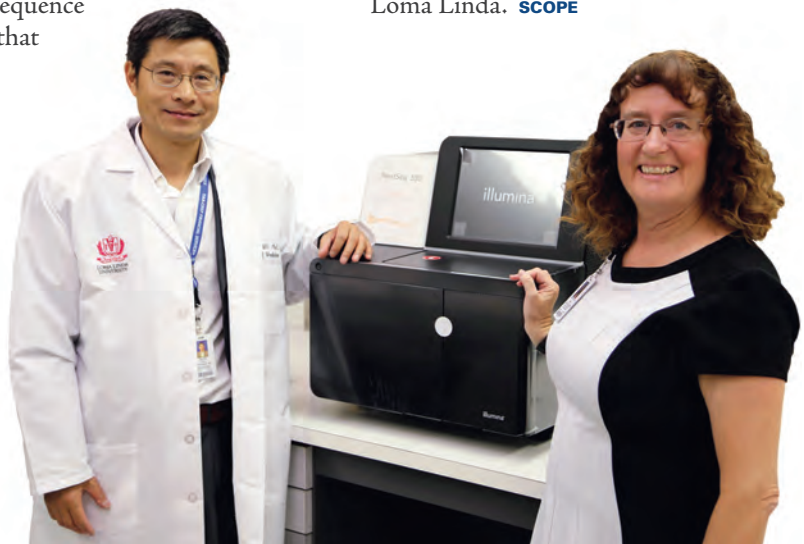
Wang adds, “If you look at diseases, or even variability in people, the new sequencer allows you to take a sample and map the DNA all the way down. With the sequencer, you can study the whole genome at single nucleotide resolution. It allows you to trace 100,000 transcripts of RNA at a time.”

The sequencer allows scientists to examine both individual cells and massive clusters of cells.

“The next-generation sequencer LLU just acquired is able to determine the specific sequence of bases that

make up a DNA or RNA molecule,” Duerksen-Hughes reports. “Not only can it do this for a particular gene or mRNA molecule, it can do this sequencing for thousands of molecules at a time, making it possible to look at changes that occur in a systems-wide manner.”

Duerksen-Hughes and Wang are optimistic about the acquisition. “Right now,” Wang says, “we have the technology and expertise in house to explore differences and changes in DNA sequences, epigenomic landscape and gene expression at a system-wide level in high throughput. This is a very exciting moment in the history of research at Loma Linda.” **SCOPE**



Potholes and primordial mysteries

Researchers seek evidence for intelligent design

By James Ponder

It's high noon on May 3, and a gentle rain is falling on top of Rock Window Mesa, a sandstone megalith in north-eastern Arizona.

Despite the drizzle, Leonard Brand, PhD, professor of biology and paleontology at Loma Linda University School of Medicine department of earth and biological sciences, says it's time for lunch. A moment later, Monte Fleming, a graduate student in geology, starts making sandwiches.

For his part, Calvin Thomsen, PhD, professor at Loma Linda University School of Religion, is examining a large pothole at our feet.

Clouds obscure and then reveal the mittens and spires of Monument Valley, 50 to 60 aerial miles away.

From this unlikely perch at 5,810 feet above sea level, the distant landforms — backlit against an angry sky — look like a scene from the dawn of time.

Right now, the wind is picking up. Ten minutes ago, Fleming installed two portable wind meters — or anemometers — on the mesa and two down inside the pothole. Whirling wind cups send information by cable to Fleming's laptop computer. Altogether, he will have collected five hours of valuable data on wind velocity, variability and direction by evening.

Fleming hopes to discover how the pothole formed. He questions the “official” explanation involving millions of years of wind-driven, uniformitarian erosion and hopes one of the eight alternative hypotheses he's testing will yield a better interpretation of the

evidence. He will publish his findings in “Geomorphology of Rock Window Mesa,” his doctoral dissertation.

The pothole, one of dozens on the mesa, forms a narrowing cylinder perhaps 25 feet deep and wide at the bottom, but flaring to approximately 50 feet across at the top. It looks like the slurping of a hypothetical tornado back in primordial times when the mesa was a huge clump of wet sand. Fleming doubts the idea, but isn't ready to discard any potential explanations just yet.

This is his fifth trek to Rock Window Mesa. Brand, however, has been bringing graduate students to Arizona and Utah for the last three decades to research the processes that shaped these remarkable landscapes.

In “Faith, Reason & Earth History: A Paradigm of Earth and Biological Origins by Intelligent Design,” the 465-page textbook Brand authored, he compares evolutionist and creationist viewpoints, and contends that intelligent design better explains much of what is observable today on the Colorado Plateau — the red rock portions of Arizona, New Mexico, Colorado and Utah. Fleming agrees.

Brand says much of the sand in Western sandstones may have come



Professor Leonard Brand, PhD, left, and graduate student Monte Fleming get ready to set up Fleming's laptop computer beside a giant pothole on Rock Window Mesa in north-eastern Arizona. Wind speed data Fleming gathered at the site will help him determine what caused the formation of the circular hole in the ground.



Fleming places anemometers in the bottom of a pothole on Rock Window Mesa. The instruments will provide data on wind speed, variability and direction for his study on mesa morphology. Fleming does not believe millions of years of uniformitarian erosion formed the potholes.

from Appalachia and the East Coast. Such massive sand transfer would require an enormous alluvial catastrophe, but Brand says the biblical story of a global deluge offers such an explanation. While admitting the theory is controversial to some, he says hydrogeologic activity better explains many Southwestern geological formations than commonly accepted gradual-process models.

The landscape is indescribably beautiful in today's kaleidoscopic conditions. One minute it's raining; the next, the sun is shining and it's downright hot. Right now, insects gather pollen from

cactus blossoms, but later it will rain once more.

How did this phenomenal land come into existence? If only someone could produce unassailable video evidence of Earth's planetary beginnings in the process of unfolding ...

Metaphorically, that is what Fleming is attempting to do. "This project has two primary objectives," he explains. "The first is the documentation of the geomorphological features of Rock Window Mesa. The second is an understanding of the interactions of the different weathering processes that affect the mesa.

"Once these two objectives are met," he continues, "we will be able to compare the morphology of the mesa with the capabilities and limitations of the current weathering processes. Due in part to the paucity of prior geomorphological studies in the Navajo Country, this is a project that will benefit greatly from the formulation and testing of multiple hypotheses."

Earlier this morning, Brand and Fleming took GPS measurements near an abandoned Navajo homestead with a traditional hogan and sweat lodge. The coordinates will enable an aerial survey to pinpoint the locations of Fleming's research sites.

Over the next two years, Fleming will investigate pothole formation, amphitheater-headed canyon formation, alcove formation, and erratic pebble provenance and weathering on the mesa.

In the meantime, this towering 700-foot mesa stands in elegant testimony to the elemental mysteries of this amazing land. Perhaps we'll understand them better when Fleming publishes his findings. **SCOPE**

Giant clouds and rock formations of the Colorado Plateau dwarf Calvin Thomsen, PhD, professor at Loma Linda University School of Religion. Thomsen was part of a four-person delegation studying the geology of Rock Window Mesa near the town of Rock Point, Arizona, on May 3. In this photo, Thomsen faces east. The mesa measures approximately two and a half miles long by one mile wide.



New deans join university leadership team

School of Public Health and School of Nursing welcome new deans

By Heather Reifsnnyder

Loma Linda University's two newest deans share a long history of commitment and contribution to the organization's mission to continue the teaching and healing ministry of Jesus Christ.

Helen Hopp Marshak became dean of the School of Public Health on April 17, preceded a few months earlier by Elizabeth (Becky) Bossert, PhD, who became dean of the School of Nursing on Jan. 1.

Bossert is building upon her school's 110-year history of preparing nurses committed to the evolving profession with a mindset of compassionate care grounded in Christian values. The School of Nursing has expanded over the years to include not only the baccalaureate and master's programs, but also the doctor of nursing practice degree (DNP, a clinical doctorate) and the PhD.

Hopp Marshak is continuing the development of Loma Linda University as a forward leader in multidisciplinary public health education. In January 2014, the School of Public Health transitioned from six traditional academic departments to three trans-disciplinary centers of learning, practice and research in order to foster greater collaboration.

Both women were associate deans of their respective schools before assuming the deanship this year.

"Helen Hopp Marshak and Becky Bossert rose to the top among fields of excellent and competitive candidates for the deanships," says Richard Hart, MD, DrPH, president of Loma Linda University Health. "They have rich backgrounds in academics and research rooted in Loma Linda University's tradition of training professionals who practice and advance whole person care."

Elizabeth Bossert

Bossert has taught at the School of Nursing since 1978, becoming associate dean for academic affairs and graduate



Dr. Elizabeth Bossert

programs in 2005.

"There will be major changes in the field of nursing over the next few decades," Bossert says. "We are preparing our students for the future of the profession. Hospitals will become even further high tech, and nurses working in hospitals will focus on the most critically ill.

"Other nurses will choose to focus on ambulatory care and outpatient settings, concentrating on health promotion and helping patients and families during the transition between home, ambulatory care and hospital."

In addition to academic excellence, Bossert believes that what sets the School of Nursing apart from other nursing programs is the inclusion of Christian values into the nursing ethos of care.

"People come here and they see something different," she notes. "People who transfer here are amazed at the support our faculty give students and the way our students carry themselves as professionals."

Bossert replaced longtime School of Nursing dean Marilyn Herrmann, PhD, who led the school in that position since 2006. Herrmann has been named dean emerita.

Helen Hopp Marshak

Hopp Marshak began teaching in the



Dr. Helen Hopp Marshak

School of Public Health in 1991. She also served as associate dean for academic affairs from 2010 until becoming dean in April.

"We are nearing 50 years as a School of Public Health (in 2017)," says Hopp Marshak. "We are here for a purpose — to bring hope, health and healing to communities throughout the world while emphasizing the Christian values of the Seventh-day Adventist Church.

"We are blessed to be part of an institution with a focus on wholeness, wellness and prevention of disease," she continues. "While many organizations may emphasize healthy living, we do so from a unique perspective based on over 100 years of history at Loma Linda University Health, by intentionally including our faith as the foundation for what we do."

Hopp Marshak's priorities for the School of Public Health include seizing opportunities to engage in evidence-based practice to improve the health of at-risk local and global populations, continuing to foster and train students in collaborative problem-solving, and growing the school's digital presence, including online education programs.

Hopp Marshak was preceded in her role by Ron Carter, PhD, university provost, who served as interim dean of the School of Public Health from Jan. 1 to April 16 of this year. **SCOPE**

New degree programs expand student options for careers in health care

By Larry Kidder

Three new degree programs starting fall quarter 2015 will give students more opportunities to serve patients of all ages.

Students interested in the field of pathology will be able to earn a master of science degree as a pathologists' assistant. Those wanting to pursue research or educational opportunities in physical therapy will have the option of earning a PhD in physical therapy. Still others looking for an online doctorate in speech-language pathology will want to consider the doctor of speech-language pathology.

Pathologists' assistant degree

Pathologists' assistants are mid-level health care professionals who practice medicine in surgical and autopsy pathology under the supervision of a physician. The program provides a broad knowledge and basis for practice in assisting pathologists in diagnosing specimens and performing autopsies.

Upon graduating, they are well-suited for work in private laboratories, academic centers, community hospitals, autopsy services or their own businesses with the help of a physician. Pathologists' assistants can also teach at the university level, conduct research, manage or administer a laboratory, and work in industry.

The program takes two years or eight quarters to complete. It is offered by Loma Linda University School of Medicine. For more information, visit llu.edu/explore/step1.html.

PhD in physical therapy

Those in the field of physical therapy who are interested in education or research will want to consider the PhD in physical therapy. The research-oriented program will offer emphases in pain science, movement science, and lifestyle health and wellness.

The PhD in physical therapy program, which is projected to require four to seven years to complete, is headquar-

tered in Loma Linda University School of Allied Health Professions. For more information, visit llu.edu/allied-health/sahp/pt/phd.page?

Doctoral degree in speech pathology

Students enrolled in the online speech-language pathology doctoral (SLPD) program are projected to spend a little more than two years of study, taking two classes per quarter for nine quarters.

SLPD graduates will increase their depth of knowledge of the field of speech-language pathology, as well as their clinical experience. They will be prepared to serve as master clinicians, clinical researchers and university clinical faculty.

Emphasis is placed on evidence-based practice, critical thinking, leadership, legal and ethical issues, and problem solving.

For more information, visit llu.edu/explore/step1.html. **SCOPE**

"We're pleased to add these programs to our curriculum," says Ronald Carter, PhD, provost of Loma Linda University. "Graduates will help to strengthen the knowledge and clinical aspects within each of their fields. In addition, they will take with them the unique philosophy of whole person care that sets Loma Linda apart."



Graduation 2015

Celebrating the future of health care



During eight commencement ceremonies, Loma Linda University graduated its 1,492 newest alumni with degrees ranging from associate to post-doctoral.

School of ...

Allied Health Professions	565
Behavioral Health	95
Dentistry	206
Medicine	195
Nursing	200
Pharmacy	78
Public Health	137
Religion	16



Interprofessional disaster response course

offers one-of-a-kind experience for Loma Linda University students

By Heather Reifsnnyder

The Boston Marathon bombing. Hurricane Katrina. 9/11. California wildfires. Floods and tornadoes. Earthquakes.

“Disasters will keep happening,” says Tae Eung Kim, MD, associate professor of emergency medicine, School of Medicine. “We must do a better job of preparing health care students for response to critical events.”

For this reason, in May the School of Medicine hosted an interprofessional bioterrorism/disaster response course involving medical students as well as students from the schools of Dentistry, Nursing, Allied Health Professions and Public Health.

“No other university in the nation is doing something like this,” Kim says. “We are doing something innovative and unmatched that not only includes inter-professional education, but offers this type of education in relation to disaster and terrorism scenarios.”

Four hundred and thirty students from the five schools completed the course in small, multidisciplinary groups. Training them to work in diverse teams prepares them to understand the realities of the health care teams they



Joe Bruno, emergency management specialist, demonstrates how to decontaminate a patient after exposure to a hazardous material. Bruno works in the environmental health and safety department at Loma Linda University Health.

will work with in post-graduation.

Students expressed appreciation for the team aspect of the training on course evaluation forms.

“Interprofessional teams are what the U.S. health care system needs in order to bring changes that will benefit the patient and improve quality care,” said a student from the School of Allied Health Professions. “I will definitely look for a job where I can be part of such a team.”

The groups rotated through the

Medical Simulation Center practicing for different scenarios that a disaster may present, such as a bomb blast injury, poisoning, psychosis and acute heart attack. In each, the students learned how to work together to treat patients. The training also utilized patient actors in a multi-casualty “active shooter” event, high-tech manikins, containment suits and decontamination stations.

The School of Medicine has held an annual disaster response course for 11 years, the past two of which have included students from multiple schools at Loma Linda University.

The course ensures that students understand:

- Disaster management and safety principles
- Team dynamics and communication
- Incident command systems, and
- Institutional disaster plans.

“I really enjoyed working with members of a different profession,” said a nursing student. “I was offered insights regarding the training of different disciplines within the health care profession.” **SCOPE**



Bruno guides students as they practice donning hazardous material suits.

A passion to serve the people

Alumni appointed to positions with state of California

By Heather Reifsnnyder

Service takes a multiplicity of forms, as attested by the divergent paths LLU graduates traverse after earning their degrees. For some alumni, it means serving in a government position or as a board member or officer of a professional governing body. They bring greater wholeness to people's lives through influencing policy.

Meet just a few of them.

Lori Delagrammatikas, MSW, is an alumna recently appointed to a state government position. On May 12, California Governor Edmund (Jerry) Brown announced her appointment as adult protective services liaison for the state's Department of Social Services. She is a 2009 alumna of LLU School of Behavioral Health.

Her term of service began July 1. She will coordinate and advocate for the efforts of the state's 58 counties' adult protective services (APS) programs, which work to prevent abuse of senior citizens and disabled adults who live in their own homes.

"APS workers' jobs are tough, and they deserve all the help they can get," Delagrammatikas says. "That's one reason I wanted to take the job — to give adult protective services workers the support and resources they need to do an extremely difficult job."

Influencing policy and system change will be an important part of her job, and for this, she says the LLU department of social work and social ecology prepared her mightily. She mentions particularly the expertise she learned from Ignatius Yacoub, PhD, emeritus professor of social work and social ecology, and Beverly Buckles, DSW, dean, School of Behavioral Health.

In fact, while she was studying for her MSW, she was



Lori Delagrammatikas, MSW

able to incorporate her real-world tasks into her schoolwork, allowing her to obtain grants and write a budget for the program she ran at the Academy of Professional Excellence at San Diego State University, an organization established in 1996 whose mission is "to provide quality training and organizational support to the health and human services community."

Delagrammatikas says, "The support students receive from Loma Linda University faculty and staff is wonderful. They really make you feel like you're part of the family. And the coursework and clinical expertise are excellent."

Her education at LLU continues to benefit her work

at her new state position.

Delagrammatikas has a passion for ensuring kind and dignified treatment for the older population.

"I will talk about elder abuse to anyone who will listen to me," she says. "We all need to contribute to ensuring seniors have the services they need. Seniors are the fastest-growing demographic of society, and we are not yet ready to provide adequate support."

Delagrammatikas has previously held several positions with the Riverside County (California) Department of Public Social Services and the Riverside County Office on Aging.

Genoveva Islas, MPH, is another example of a Loma Linda University alumna recently appointed to a position with the state of California. She received her degree from the School of Public Health in 1997.

Islas was appointed to the California Health Benefit Exchange, which works to make health insurance more affordable and simpler to purchase for individuals and small businesses. Governor Brown announced her appointment on March 5.

Another alumnus serving the state of California is **Steven Morrow, DDS, MS**, who is in his second four-year term with the Dental Board of California.

Governor Brown announced his reappointment to the board in June 2014. Morrow also serves his alma mater, the LLU School of Dentistry, where he is currently assistant dean for advanced dental education and professor of endodontics.

SCOPE



Loma Linda University receives IUD collection

Alumnus donates one of the world's largest collections

By Jiggs Gallagher

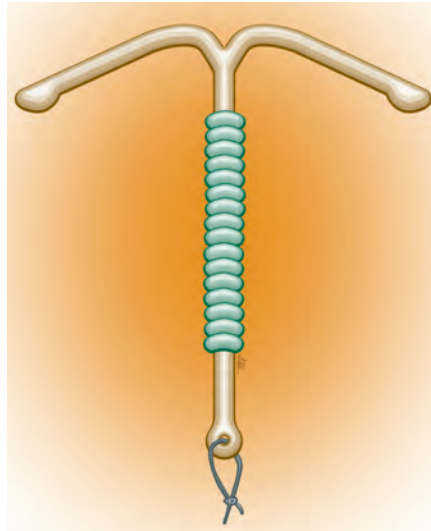
Loma Linda University School of Medicine alumnus Russel J. Thomsen, MD, class of 1968, has donated his extensive collection of intra-uterine devices (IUDs) for birth control to the school.

It will be known as The Russel J. Thomsen, MD Contraceptive Collection of the Loma Linda University School of Medicine.

Thomsen began collecting the devices after testifying to a famous Senate committee investigating the safety of the devices in 1974. The committee was chaired by Senator Ted Kennedy of Massachusetts, and Thomsen was a young obstetrician/gynecologist serving in the Army, based in Louisiana.

His testimony on problems with the Dalkon Shield, an IUD manufactured by A. H. Robins Company of Richmond, Virginia, led to new federal legislation regulating the products.

A chance encounter with a lawyer from the U.S. Food and Drug Administration at the hearings led him to begin collecting rare and unusual examples of IUD devices from around



the world. This is how his extensive collection got its start.

One interestingly named brand he catalogued was called the LEM, named for the lunar excursion model, which took NASA Apollo astronauts from their spacecraft to the surface of the moon. The name was applied because the device looked like a tiny depiction of the LEM.

The collection grew so large over his career that he had to renovate part of his house and add a room to properly

display all of the devices. Now retired in rural Washington state, Thomsen estimates his collection is either the largest or second-largest collection of IUDs in the world (the other one is at Case Western Reserve University in Ohio).

"My wife and I have decided that this important collection should not be left simply to the care of us and our family. There are lessons to be learned and study that can benefit future physicians and historians of medicine," Thomsen says.

The university's leadership, including School of Medicine Dean Roger Hadley, MD, and Loma Linda University Health President Richard Hart, MD, DrPH, agree.

"I'm pleased to accept Dr. Thomsen's generous gift," says Hart. "This collection will be curated and displayed to generations of future medical and health professional students, and for the education of the general public. We are pleased he has chosen us to care for this legacy."

Questions about the collection should be directed to Lori Curtis, MA, MLS, chair, archives and special collections, University Libraries, by emailing lcurtis@llu.edu.

SCOPE



Left photo: Russel Thomsen and his wife, Tina, live in Silverdale, Washington. **Center photo:** Thomsen prepares his collection to send to Loma Linda University. **Right photo:** Thomsen spent time serving in the U.S. Army. He began collecting IUDs after testifying to the U.S. Senate about the Dalkon Shield, leading to new legislation regulating the products.

Vision 2020 campaign reaches halfway milestone

By Jiggs Gallagher

Vision 2020: The Campaign for a Whole Tomorrow is Loma Linda University Health's plan to raise \$360 million toward a five-year project to change the face of health care and education in Southern California and around the globe, as well as replace the adult hospital and expand the Children's Hospital.

That effort was launched to the public on July 15, 2014, with the announcement of a generous \$100 million pledge toward erecting a new Children's Hospital tower. The pledge was made by Dennis and Carol Troesh of Riverside, California. At that time, the full amount pledged toward Vision 2020 was \$149 million.

Work has proceeded apace in the advancement division of Loma Linda University Health, and an important milestone was recently reached: the total gifts in hand and pledges amounted to more than half of the \$360 million philanthropic goal.

"We are thrilled to reach this important step in our campaign," says Rachelle Bussell, senior vice president for advancement at Loma Linda University Health. "We are also humbled to be entrusted with these funds for such an important work."

Education will be a major focus of Vision 2020. Gifts will

fund scholarships and increase endowed faculty chairs to strengthen the quality of teaching in the university's eight schools.

Research is closely aligned with the educational mission. A new research facility will allow researchers in many diverse disciplines to rub shoulders in the halls, share observations and ideas for improvements in patient care, and find potential cures. The collaboration in the new building will aid in that process.

In addition, the research building will house a new Wholeness Institute. This center will promote the concepts of wholeness and whole person care in the community, on campus and throughout the world.

The funds raised will also go toward building two new hospital towers, one for adults and one for children, both of which will rise from a shared five-floor platform housing services such as surgery and emergency care. The children's tower will greatly expand upon the existing Children's Hospital, while the new adult tower will replace the current Medical Center cloverleaf structure in order to comply with a 2020 deadline on new seismic standards imposed by the state of California.

All rooms will be private and provide ample space for the



comfort of families and visitors, as well as important medical consultations in a teaching hospital.

The new construction will also include new operating suites, separate children's and adult emergency departments, laboratory and imaging spaces, and a lobby entrance chapel emphasizing the spiritual healing that takes place at Loma Linda University Health.

Richard Hart, MD, DrPH, president of Loma Linda University Health, says Vision 2020 will establish "a new paradigm for education and health care, both locally and throughout the world. It will combine high-tech with high-touch, allowing us to enhance our emphasis on providing compassionate care and training professionals who practice whole person care."

The entire vision for the future will include capital expenditures of about \$1.4 billion. Beyond the Vision 2020 philanthropic campaign, additional funding for health care will come from state grants, bond financing and cash flow from operations.

To learn more or join the campaign, visit luhvision2020.org. **SCOPE**



Artist's concept

Loma Linda University Health

History-making gala

raises more than \$1 million for Children's Hospital

By James Ponder

The 22nd annual Loma Linda University Children's Hospital Foundation Gala made Inland Empire history on the evening of March 12 by raising an impressive \$1,090,200 to support the organization that does so much to provide outstanding health care to the children of a vast four-county region.

"This is the first time an Inland Empire charity has ever raised a million dollars at a single event," says an ebullient Jillian Payne, executive director of the foundation. "That is a really big deal. Our community is responsible for the success of making an event like this possible. It will help Loma Linda

University Children's Hospital create a better tomorrow for our patients and their families."

Darice Lang, chair of the 2015 gala planning committee, agrees. "To say that we're delighted would be an enormous understatement," Lang observes. "We are unbelievably grateful to all the friends of Loma Linda University Children's Hospital who turned out to support this incredible event. We are just plain blown away."

Raising over \$1 million in a single night takes an enormous team effort. More than 1,000 guests attended the event, and 83 corporate and individual sponsors funded the cost for major expenses. In addition to present-

ing sponsor Hard Rock Hotel Palm Springs, other organizations rallied around the event in a variety of ways. McCarthy Building Companies, Inc., teamed up with NBBJ and Jtec HCM, Inc., for a three-way sponsorship of the Shirley N. Pettis Award.

The Big Hearts for Little Hearts Loma Linda Guild came through with the single-largest donation of the evening by offering to match every dollar raised at the Fund-a-Vision section, where guests were encouraged to donate an amount of their choice.

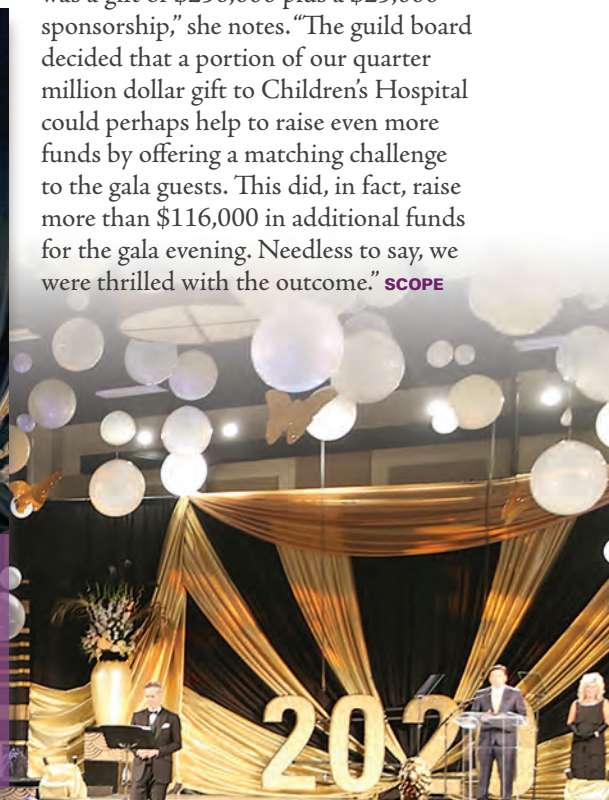
Guild President Dixie Watkins says the idea for the matching donation occurred during the event itself.

"The total amount given by the guild was a gift of \$250,000 plus a \$25,000 sponsorship," she notes. "The guild board decided that a portion of our quarter million dollar gift to Children's Hospital could perhaps help to raise even more funds by offering a matching challenge to the gala guests. This did, in fact, raise more than \$116,000 in additional funds for the gala evening. Needless to say, we were thrilled with the outcome." **SCOPE**



Inset: At the end of the evening, the total amount raised was announced to those in attendance. A check for \$1,090,200 was presented, benefiting Loma Linda University Children's Hospital and the Vision 2020 campaign toward the construction of a new hospital tower for kids.

Right: The auctioneer calls for bids on one of the many prizes donated for the benefit of children as part of the evening's festivities.



On the 'Road to Rio'

PossAbilities Paralympic hopeful prepares for 2016 games

By Nancy Yuen

When Greg Crouse, a husband and a father of three, first saw a paracanoe at a beach festival, he was mesmerized by the sleek vessel. He asked, "How fast does this thing go?"

Crouse, who lost his left leg while serving in the U.S. Army, was so enthusiastic about the sport that he was invited to travel the world to help champion paracanoeing as a recognized sport of the Paralympic Games.

He became part of sports history when he participated in historical moments including the first paracanoe exhibition held in Hawaii in 2004 and the inaugural Paracanoe Championship held in Poland in 2010. Crouse is now training to represent the U.S. as a member of Team USA that will compete for the first paracanoe gold at the 2016 Paralympic Games in Brazil.

At Loma Linda University Health, he is one of three elite athletes train-

ing and hoping to compete in the 2016 Games as part of PossAbilities' Road to Rio program. PossAbilities — a recognized Paralympic Sport Club and a U.S. Olympic Committee partner — is a free outreach program of Loma Linda University Health that provides disabled individuals with new direction and hope through physical, social and educational interaction with peers and their community.

"We are proud of Greg," says Pedro R. Payne, PhD, director, community outreach and patient experience at Loma Linda University Medical Center East Campus. "He is a great ambassador of our program and inspires us all."

Crouse first learned about PossAbilities when he met Adam Hart, an injured mountain biker and PossAbilities volunteer who was cross training on Crouse's outrigger team for one year to recoup from knee surgery.

Hart informed Crouse of the many opportunities and camaraderie that awaited him with Team PossAbilities.

While Crouse has tried many adaptive sports, competing on water is special. "Water," he says, "is a great equalizer. I am able to feel whole again and compete at any level, either able bodied or adaptive. I am willing to accept the challenges of competition on the ocean, bay, river or lake."

In April, Crouse blogged about making the 2015 U.S. World Cup Team. "It feels great," he wrote, "to share the good news of my successful trip to Oklahoma City to compete at the ParaWorld Cup time trials. I won my v1 event and beat the time standard to achieve a spot on Team USA headed to Duisburg, Germany, to race the world at the ParaWorld Cup Invitational."

Crouse says, "My time in the military was cut short due to my injury. But I am



Above: Greg Crouse, wearing his Loma Linda University Health PossAbilities uniform, completes race preparation prior to a December 2014 one-man race in Ocean-side that was part of the Southern California Winter Series.



Loma Linda University Health

still able to proudly represent the U.S. as an international adaptive athlete.”

In May, Crouse competed in Duisburg, placing sixth. Three major time trials remain to qualify for Rio. He is now training to compete in the 2016 World Cup and the 2015 and 2016 World Paracanoe Championships. Experience has taught him the importance of focusing on the race, telling himself, “Make this moment count.”

When asked his thoughts about wholeness, Crouse responds, “It is not the piece missing on the outside that matters; it is the piece of you missing on the inside that you have to heal first. Once you feel whole on the inside, how people perceive you on the outside won’t affect your self-worth.”

He gives back by meeting with transitional soldiers and foster children. He also volunteers as a peer counselor to others who have recently lost limbs. Recalling his own journey he says, “There will be moments of doubt, but you are greater than the injury that held you back. Plan now to fill your life with

positive things and choose the right paths that are laid out in front of you.”

As the official clock on the Paralympics website counts down to the start of the Games, Crouse and the PossAbilities Road to Rio athletes are determined to be ready. **SCOPE**

PossAbilities is a program for individuals living with permanent physical disabilities; members receive support and resources to stay active and “Live It.”

The Road to Rio program is geared toward training and priming elite athletes to compete for a place on the National and U.S. Paralympic Teams. PossAbilities sponsored several athletes to train and compete on the national race calendar. As a result, members have qualified for the Paralympics National Cycling and Emerging Teams. Others continue to train to compete for a spot in the 2016 Paralympic Games.

In addition to Greg Crouse, PossAbilities’ Paralympic hopefuls are paratriathlete Andre Barbieri and hand cyclist Delmon Dunston.

In 2010, **Andre Barbieri** nearly died following a snowboarding accident that culminated in the amputation of his left

leg. He suffered a compound fracture to his femur that severed his femoral artery, tore the nerves and veins in his leg, and caused extreme blood loss.

As a member of Team PossAbilities, Barbieri has worked with prosthetists at Loma Linda University Medical Center East Campus to develop a biking leg and a running leg that will allow him to train and compete in paratriathlon events. His dream is to one day compete in the Paralympic Games.

On July 14, 2000, **Delmon Dunston** was practicing wrestling moves with a friend. As he performed a double leg takedown, his head hit his grappling partner’s hip. The force shattered his sixth vertebrae in his neck.

Dunston was rushed to Loma Linda University Medical Center, where doctors discovered that he had shattered his vertebrae and injured his spinal cord. As a result of his injuries, Dunston was paralyzed from the chest down.

Today Dunston is a Team PossAbilities spokesperson and a full-time hand cyclist training for a spot on the U.S. National Team as an H1 hand cyclist. He also enjoys playing quad rugby. **SCOPE**



Above: Greg Crouse (wearing gray tank top) was a member of Team USA for the 2015 Paracanoe World Cup competition in Duisberg, Germany. Crouse is pictured on the athletes’ deck in front of the racecourse with teammates (clockwise from left) Kelly Allen; Col. Debra Paige (ret.), chair, USA Canoe/Kayak Paracanoe Committee; Hannah Pennington and Alana Nichols. **Left:** Pumped up! With flags from many countries behind him, Crouse pauses for a photo during pre-race warm-ups before the 2015 World Cup competition in Duisberg, Germany.

Determination to ‘Live It’ reveals the heart, will and drive of an athlete

By Nancy Yuen

As Anthony Esquivel works with School of Pharmacy students, setting up their advanced pharmacy practice experience rotations, he hears their stories. Choosing from hundreds of sites, he helps place them near family or where they hope to one day live. Sometimes he shares his own story.

At 19, Esquivel began to experience strange symptoms. “When I sneezed,” he recalls, “my hands hurt. I developed a rash on my forehead and my side was painful.”

Medical testing revealed liver disease. “My doctor said I had five years to live, 10 at most.” For six months he didn’t follow his doctor’s advice. “I weighed 275 pounds,” he remembers. “I didn’t exercise. I didn’t care.”

When he realized that he wouldn’t live to be 25, Esquivel changed his diet. “Back then,” he says, “if you looked in my kitchen you’d have seen meat and bread; boxed, frozen food. I began to eat better. I replaced fries and milkshakes with fresh fruit and vegetables. I stopped drinking.

“I began running, starting with a mile, and learned mixed martial arts,” he says. “It was difficult. I was discouraged, but the will to live motivated me to keep going.”

Every four to six months he had blood work done. Nothing changed.

“Liver disease is complicated,” he says. “I thought I was going to die.”

By year three, Esquivel had lost 70 pounds. “My liver pain stopped,” he says. “Then, my blood work results came back normal. My doctor said there would be no chance of a relapse as long as I kept up a healthy lifestyle.”

Esquivel had discovered he possessed the heart, will and drive of an athlete. “I kept challenging myself,” he says.

When he began to swim and bike, he discovered triathlons. He searched online for the closest races and read blogs for training advice. At his first triathlon he realized he was wearing the wrong gear. “I didn’t realize surf wetsuits and triathlon wetsuits were different,” he recalls.

“Training, race registration and gear can cost \$2,000 a year,” Esquivel says. Joining a team, California Triathlon, led him to sponsorships that have enabled him to compete in up to 10 triathlons a year. He plans to complete a full Ironman in November.

When he began working at Loma Linda University Health in 2013, he discovered wholeness.

“For the first time I wasn’t mocked for following a vegetarian diet,” he says.

“Here, being vegetarian is encouraged. Coworkers pray for me.”

What’s next? Esquivel is planning to continue his education and is considering a career in health information administration while continuing to “Live It.” **SCOPE**



Anthony Esquivel was able to reverse liver disease that would have taken his life — had he continued with his life habits. He now eats healthy and trains regularly to stay in shape for nearly a dozen triathlons each year. He has learned to “Live It,” and it has saved his life.





Healthier drinks and snacks offered in campus vending machines

By Larry Kidder

It's a new day for those searching for snacks and drinks dispensed from vending machines on the campuses of Loma Linda University Health.

Instead of candy bars, “snackers” will find whole-grain bars. In place of sugary soft drinks, thirsty souls will find water, as well as natural fruit juices with no sugar, sweeteners or other scientifically obscure-sounding substances added.

“We brought together a group of health and wellness experts across campus to help us set standards for our vending machines,” explains Daniel Fontoura, MBA, vice president for wholeness. “This group helped us choose a local vendor who could supply our machines with healthier alternatives.”

In addition, the alternative products meet FitPick snack requirements, established by the National Automatic Merchandising Association — or NAMA. To make it onto the FitPick list, a product cannot exceed 250

calories, 10 grams of fat, 230 milligrams of sodium or 20 grams of sugar, and it must be free of trans fat.

Snacks are expected to have more whole grains. Baking is preferred to frying. Juices should have no added sugar — including sugar-free sweeteners.

“Snacks, even healthier ones, should not replace a good meal,” Fontoura is quick to add. “They are just designed to provide you energy until mealtime.”

At Loma Linda University Drayson Center, the standards are relaxed somewhat to accommodate sports drinks and energy bars. However, in the rest of the campus vending machines, snackers will find items with reduced fat and sugar, as well as more natural and wholesome ingredients.

To date, 51 machines have been replaced. “The cost of healthy snack alternatives is about 15 percent higher,” Fontoura shares, “but science seems to indicate the extra cost is justified by better health. So far, our vending machine

Blake DeShields, MBA, financial analyst at Loma Linda University Drayson Center, ponders the healthy choices he has in one of the new campus vending machines.

revenues are slightly higher than what they were prior to the change.”

The vending machines are a small part of an organization-wide commitment to wholeness. “My task is to bring together the researchers, experts and practitioners of health and wholeness on campus,” Fontoura details. “The new Wholeness Institute will become the center for collaborations, bringing together faculty and thought leaders from various schools, departments and centers at Loma Linda University Health.”

The institute will be housed in the new research building, funded by the Vision 2020 campaign and slated for construction in the near future.

“When people talk about health and wholeness, Loma Linda should be at the top of their list as a resource,” Fontoura reasons. “After all, we have been in the business of wholeness since Loma Linda University Health began in 1905.” **SCOPE**

Eyewitness in Nepal

Loma Linda staff and students participate in earthquake relief

By Courtney Beckwith Haas

The mountainous region historically famous for being the home of the highest point on earth — Mount Everest — is now known for a different reason.

On April 25, at approximately 11:56 a.m., the ground began to shake and quiver — a phenomenon that is fairly common due to the geographical location. But as time progressed, people began to realize that this was something bigger.

Around lunchtime, as my friends and I were on the second story of a shop in Pokhara, we started to feel the building move. Everyone quickly headed for the stairs while remaining fairly composed. It wasn't until we were all outside, and the earthquake continued and seemed to build in strength, that those around started yelling and pointing at nearby trees and power lines, which they feared might fall on them. Some people were crying and holding on to their loved ones. There were dogs running by, whining and whimpering. The shaking and writhing of the ground seemed to last

for about 20 to 30 seconds.

The quote above is a direct account by a Loma Linda University student published as a CNN iReport shortly after the earthquake in Nepal. It was written by Justin Woods, a fourth-year medical student.

Woods was finishing a rotation at the Adventist Health International site Scheer Memorial Hospital. Scheduled to leave Nepal in early May, Woods and his wife, Betsy, both experienced the quake firsthand.

In addition to Woods, Charles Graves, another fourth-year medical student from Loma Linda University, was also finishing his rotation at Scheer and was able to fly out of Nepal the day after the earthquake, shortly before the airports shut down.

“When the earthquake started, I began looking for a place to run for safety,” Graves says. “That is when you realize that there is nowhere safe to run.”

When Graves arrived in Nepal in late March, several people told him that it probably would not be long before they



Orthopedic surgeon Scott Nelson, MD, left, shares a look at an X-ray with a fellow physician at Scheer Memorial Hospital in Nepal.

had another earthquake. But the fact is, one cannot prepare for the realization that what he or she is experiencing is not like a common small and brief Southern California earthshaker. No, it is a natural disaster that could end one's life along with thousands of others.

At a magnitude of 7.8, the initial earthquake, followed by the second several weeks later on May 12 at a magnitude of 7.3, caused irrevocable destruction and structural damage,



The mountainous region historically famous for being the home of the highest point on earth —Mount Everest — is now known for a different reason ...



The team from Loma Linda University Health included, from left to right: Elaine Lewis, operating scrub technician; orthopedic surgeons Scott Nelson, MD, and James Matiko, MD; Phillip Guillen, MD, orthopedic resident; Andrew Haglund, logistical support; and Steve Mulder, MD, anesthesiologist.

demolished homes, and caused injuries that continue to bring death due to infections and other health issues.

The aftermath is catastrophic.

Located 15 kilometers east of Kathmandu, in Banepa, Scheer Memorial Hospital received minimal structural damage and remained active.

During the earthquake, all staff and patients were moved outside into makeshift tent hospitals, and two cesarean sections were performed on the spot while the aftershocks continued.

“Our hospital is fully functional,” Dale Mole, hospital CEO, reported shortly after the first earthquake. “We sustained some minor damage but nothing that would really impair our capabilities or capacity.”

The hospital was assessed to determine its needs, and to help meet these needs, Loma Linda University Health deployed an orthopedic surgical team on May 6. The team consisted of two orthopedic surgeons, an orthopedic resident, an anesthesiologist, a surgery scrub tech and a logistical support person.

While on site, this team experienced the second big hit, the 7.3 quake. According to Andrew Haglund, the logistical support team member, “It was the scariest moment of my life. I was on the third floor of the hospital planning for exactly this type of situation.”

When they realized it was not a

minor aftershock, he and others in the room ran sock-footed down the stairs to the yard for safety. They regained composure and assumed leadership to help contain the chaos.

At this time, funds are the primary source of aid being solicited through Adventist Health International. These funds go to support the operation of the hospital and the patients it serves in the Banepa region of Nepal. Adventist Health International and Loma Linda University Health’s Global Health Institute are working together in this collaboration and, if additional needs are identified, appropriate medical equipment and supplies will be procured to enable the hospital to care for the many injured patients.

Though far away, this hospital and the community it serves are in need of support. Every small donation can make a huge impact on the lives of those in Nepal. To learn more about this hospital and to help in the relief of this crisis, please visit ahiglobal.org. **SCOPE**



‘Life on the Line’ season 2, airing nationwide gives an inspiring look into the resilience of humankind

By Nancy Yuen and Heather Reifsnnyder

After a major first-season success, Loma Linda University Health’s national documentary television show, “Life on the Line,” is back with more episodes narrated by Lisa Ling.

Season one aired last year to critical acclaim on 277 public television stations across the country.

“We need more programs like this on television,” says Ben Holland, director of programming at television station KVCR. “We hear so much about what’s wrong with the world on television.

“Life on the Line’ is a show about what’s right with the world. It’s a show about people making a difference and trying to make the world a better place.”

Season two’s seven episodes take place locally and in countries around the world, featuring stories about a baby fighting for his life in neonatal ICU, a friendship that results in a life saved through organ transplant, and prevention of self-injury, to name a few.

The episode “The Aftermath,” for example, takes viewers to the Philippines to watch the work of the Loma Linda University Behavioral Health Trauma Team* in response to Typhoon Haiyan, which struck portions of Southeast Asia on Nov. 7, 2013.

“Our house was destroyed,” said a woman named Nona Tittong, who



spoke from her three-sided hut. “Everything was gone. The worst was not having food. No help arrived.”

Haiyan demolished 80 percent of the buildings in Tittong’s city.

The episode reveals that while survivors may not have visible scars, their mental suffering can, if left untreated, be just as devastating.

This is why the Behavioral Health Trauma Team travels to stricken regions as quickly as possible after a disaster. They help survivors such as Nona return to wholeness.

Season two’s other six episodes are just as inspiring. Watch in order to experience Loma Linda University Health’s mission “to continue the teaching and healing ministry of Jesus Christ” through inspiring stories come to life.

For more information about “Life

on the Line” and its narrator, Lisa Ling, access LifeontheLine.tv. **SCOPE**

** The Loma Linda University Behavioral Health Trauma Team serves individuals, families and communities experiencing the emotional aftermath of natural and manmade disasters. The team comprises behavioral health faculty, clinicians, students and alumni from Loma Linda University Health. In addition to the Philippines, the team has recently traveled to Japan, Saint Vincent and the Grenadines, Trinidad and South Dakota to assist suffering communities. This is accomplished by using research-informed interventions that promote resiliency and support continued self-care. The team is also actively engaged in scholarly efforts that promise to expand the understanding of effective interventions for post-traumatic stress in order to prevent months or even years of suffering.*

A team from Loma Linda University Health films Nona Tittong as she shares her story of survival from Typhoon Haiyan.

Tittong, a single mother of six, holds one of her sons, who is disabled. Her home was destroyed by Typhoon Haiyan.



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— Natalie Kopp, Development Officer for School of Allied Health Professions



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Loma Linda University Health president Richard H. Hart, MD, DrPH, signs the final beam of the infrastructure for Loma Linda University Health – San Bernardino. Moments later, the beam is hoisted to its final position.