

The Link



LOMA LINDA UNIVERSITY
School of Allied Health Professions

Quality is never an accident; it is always the result of high intention, sincere effort, intelligent direction and skillful execution; it represents the wise choice of many alternatives.

-- William A. Foster

HONEYBEES AND SAHP: Pollinating The World



For as far back as I can remember, I've been in love with nature! My mother, who I'm certain would be a contender for the world's most patient person, tolerated a menagerie of "friends" I was constantly bringing home to share my room. Mammals, reptiles, amphibians, birds, spiders and insects – I lived with them all!

Though anything fauna was special, I always held a particular fascination for the social insects – bees, wasps and ants. Honeybees were especially intriguing as they could be found anywhere there were flowers; and furthermore, I learned early on that honeybees were responsible for much of the world's flower pollination, and thus, for many of the fruits and vegetables we eat and the seeds we plant.

An average honeybee is slightly greater than one centimeter in length and weighs approximately 2-tenths of a gram – that is about 1-tenth the weight of a penny. Yet, in spite of their small size, pollinating honeybees contribute to the annual U.S. production of 4.5 million metric tons of apples, and internationally, 75 million metric tons of citrus, 32.5 million metric tons of tomatoes and 750 thousand metric tons of almonds, to name just a few. In 2008, honeybees pollinated over 70 million acres of soybeans in the United States. That translates into 109,375 square miles of pollinated soybeans in one year!

How do such small creatures, which at top speed fly only about 15 miles per hour, accomplish such an incredible feat?

The sheer enormity of this task, and the speed with which it is carried out, is attributable to the well-ordered division of labor programmed into a colony's behavior. Every worker in a colony

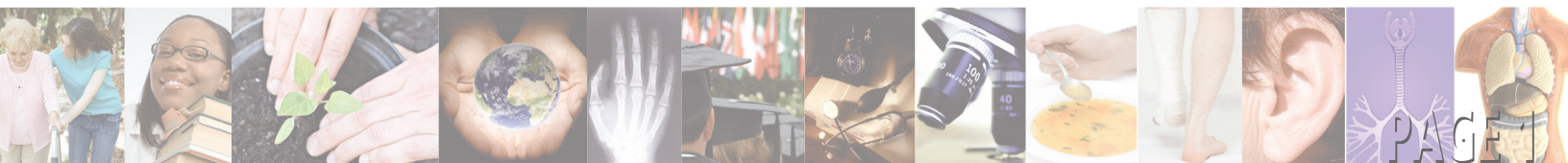
is a specialist. Each does her job and none other. Mistakes, risks and duplication of effort are dramatically minimized as a result of this specialization. And likewise, specialization results in a remarkably-high labor efficiency. By working together, each in its own niche specialty, these small insects achieve work on a grand scale, and they do it well!

As my career has taken me into the field of education within the allied health professions, the similarity of this organizational structure to a honeybee colony has not been lost on me. In both cases, working populations, though perhaps large in absolute numbers, are proportionately small compared to the size of the task. You, our alumni, are our "honeybees." You are well-trained specialists, able to efficiently integrate your skills with the skills of the other disciplines making up the spectrum of healthcare specializations.

As our world moves farther into the 21st century, demographic changes will be accompanied by increasing pressure on the U.S. healthcare industry. The ability of the industry to meet this increasing demand, and to do that work well, is in part dependent on a labor force that is well-trained, specialized and working in synchrony between specializations. That's you! Special, dedicated, and qualified to meet the demand of our ever growing population. You are our honeybees!

Sincerely,

Ernest Schwab, M.S., Ph.D.
Associate Dean for Academic Affairs



RESPIRATORY & EMC REUNION

On Wednesday, November 19, 2008, a large group of Respiratory Therapy and Emergency Medical Care alumni gathered together at the TGI Fridays on Hospitality Lane for a reunion with fellow classmates and former professors. The evening was filled with lots of fun conversations and story-telling, alumni give-aways, a welcome from both Ehren Ngo, program director, and Dr. David Lopez, Department Chair, and some good food!

The Alumni Office would like to thank all who attended this great event. It was wonderful to meet all of you and we hope you had a fun time.



For those who were unable to make it, just know this - we're scheduling two more Respiratory/EMC reunions this year (2009). The first one is in Palm Springs in May, so keep your eyes open for the reunion invitation and schedule it in. We hope to see you all soon!

EMC HOSTS PARAMEDIC REFRESHER COURSE ON CAMPUS

*Ehren Ngo, MS, NREMT-P, Program Director
Emergency Medical Care Program*

From February 2 through 6, the Emergency Medical Care Program hosted a five-day paramedic refresher course. Offered annually since the year 2000, Loma Linda University has become known as the preferred destination for paramedics seeking to complete their 48 hours of continuing education which is required every two years in order to maintain a California license. Those wishing to maintain their National Registry credentials must complete a total of 72 continuing education hours every two years, with 48 hours in specific topics. LLU's paramedic refresher course provides a convenient venue for completing these specific topics.

This year's refresher featured lectures by 12 physicians, four nurses, and two paramedics. Additionally, our attendees had the opportunity to complete a flight operations safety course orientation and practice their patient care management skills at the Medical Simulation Center - a 'first' for this refresher course. All of this would not have been possible without the time and support of our partners and sponsors, which included the Loma Linda University Medical Center, the Pediatric Emergency Medicine Fellowship Program, the Medical Simulation Center, Mercy Air, Inc., the Yucaipa Valley Kiwanis Club, and the Center for Prehospital Care, Education, and Research.

ALUMNI AND HISTORY IN THE KINGDOM

Written by Dr. Craig Jackson, JD, MSW - Dean

It started simply—as do most great (historic) moments—with a request to provide surgery for a friend of the royal family in the Kingdom of Saudi Arabia. The surgery was successful; and with his return home he took a positive impression of the care he received from the staff at Loma Linda University Medical Center.

In 1976, on the memory of that life-saving procedure, a request went forth to the Medical Center to send a surgery team to Saudi Arabia. Led by Ellsworth Wareham, MD, the first open heart surgery was performed in the Kingdom of Saudi Arabia. Thus began an over 30-year relationship that laid the foundation for the most recent chapter.

In 1985, the School of Allied Health Professions launched the first allied health program to be accredited outside the United States. For the next 20 years the Department of Cardiopulmonary Sciences established a respiratory therapy program granting an Associate of Science (A.S.) degree. The program graduated nearly 80 respiratory therapists, many went on to Western Europe, the UK, and Australia to pursue advanced degrees and return to the Kingdom to practice and teach in the national hospitals and universities.

When the A.S. degree was upgraded to a Bachelor of Science degree in 2006, many of our alumni became our faculty. But in the meantime our alumni took their well-earned place in leadership positions in hospitals throughout the Kingdom. As a matter of fact, the School of Allied Health Professions alumni have the highest percentage of leadership positions in the Kingdom.

In 1989, during the first Gulf War, nearly all of the



healthcare workforce—90% foreigners—in Saudi Arabia left the Kingdom, leaving the Saudis without the very healthcare professionals they had come to rely upon. It was clear to them that their future healthcare would require the education and training of their citizens for the workforce—the “Saudi-ization” of the healthcare system. Because of our history, the Saudis came to us.

We continue in this tradition with the introduction of an A.S. degree in medical radiography that will begin in 2009. This overall strategy is designed to contribute to the education of the Saudi workforce; to assist them in elevating the standard of education and clinical practice. Graduates from our programs are eligible to sit for U.S. board and licensing exams.

The goal of our partnership with Saudi Arabia is to assist them in educating a Saudi healthcare workforce and to develop an educational standard that is applicable to the allied-health education system throughout the entire Kingdom.

RESPIRATORY CARE IN MAINLAND CHINA

Article previously published in December 2008 AARC Times, a copyrighted publication of the American Association for Respiratory Care

In 1992, the Sir Run Run Shaw Hospital (SRRSH) was preparing to open, and Yuan Yue-hua, RT,RN was selected by the hospital for respiratory therapy (RT) training at Loma Linda University. She was selected because of her 12 years of nursing experience in the ICU, during which time she came into contact with patients who needed ventilator support and became familiar with some of the ventilators. She shared her mechanical ventilation experience with others which was very helpful to critical patients.

When she arrived in California she met her first mentor in respiratory therapy, David Lopez, EdD, RRT, who is associate professor and chair of the Department of Cardiopulmonary Sciences. As she visited the School of Allied Health Professions and the department of respiratory care in the Loma Linda University Medical Center she realized that respiratory therapy was more than just mechanical ventilation but it involved clinical work, education, and scientific research. "Respiratory therapy got my attention; and I was excited," said Yue-hua.

After six months of respiratory care training at LLU she began forming the respiratory therapy department at SRRSH. She recruited and trained the first seven doctors and nurses who wanted to be RTs. At the same time, she established the RT service category, drafted service protocols and department policies, and combined her training at LLU with the actual situation of the traditional Chinese hospital. "I did all this with the help of Dr. Lopez and his colleagues, Michael Terry, RRT, and Graham Staples, RRT," she said.

Now, the fully prepared RT department has been able to provide respiratory care service such as mechanical ventilation management, aerosol therapy, oxygen therapy, artificial airway management, patient education, pulmonary function testing, and emergency call for rescue at Sir Run Run Shaw. The hospital is also a public teaching hospital of Zhejiang University in Hangzhou, China. Through its desired affiliation with Loma Linda University, SRRSH was managed by both the Americans and the Chinese during its first five years and was organized very close to an American Style.

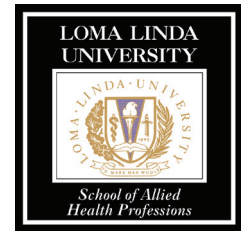
After 15 years of work in respiratory therapy, "the department has grown in experience and gained a good reputation in patient service," said Yue-hua. "Since the hospital opened, we have been constantly improving our service to adapt to the needs of the public."

There are now 23 respiratory care practitioners in the department. An integrated professional team has been formed, and four team leaders (two of them trained short term at LLU) assist Yue-hua, working day and night to provide good service.

SRRSH received its first Joint Commission International (JCI) certificate at the end of 2006, and they are the first public hospital to get the accreditation in Mainland China. The respiratory therapy department passed the survey at the high-quality level.

DID YOU KNOW?

All of the entities under Loma Linda University have undergone an identity transformation over the past year. Each school logo has been modified, as can be seen from the SAHP logos below.



Previous SAHP Identity



LOMA LINDA UNIVERSITY
School of Allied Health Professions

New SAHP Identity

DEPARTMENT UPDATES

LLU CEUs at Sea: Continuing Education for Health Care Professionals. Set sail to the Western Caribbean from July 26 to August 2, 2009. TOPIC: How Healthy Are You... Really? CEUs approved for Rad Tech, Dietary, Nursing, PT, OT, Resp. Therapy, and other Allied Health Professionals. Deposit deadline: 3-15-09. Final payment due: 4-25-09. Details available at www.llu.edu/llu/sahp/cruise/2009.

Ehren Ngo, Lindsey Simpson, James Goss, and Barbara Parton (hailed as the CPS Mom) were all presented plaques by the EMC Class of 2008 president. They read: "In appreciation for your dedication and commitment to excellence in the field of Emergency Medical Care. From the EMC Class of 2008."

19th Annual Perinatal-Pediatric Respiratory Care specialist Program. Monday - Thursday, April 13 - 16. To register complete the registration form named CARDIO on the following site: www.llu.edu/llu/sahp/alumni/continuinged

CONTACT US

DEAN OF ALLIED HEALTH
Craig R. Jackson, JD, MSW
909.558.4545
emailthedean@llu.edu

DEPARTMENT CHAIR
David Lopez, Ed.D, RCP, RRT
909.558.4932
dlopez@llu.edu

ALUMNI AFFAIRS OFFICER
Jaclyn Pruehs
909.558.7840
jpruehs@llu.edu
Graphic Design By: Jaclyn Pruehs

DIRECTOR OF DEVELOPMENT
Kisha Norris, M.Ed.
909.558.7790
knorris@llu.edu

2009 CALENDAR

MARCH:
SAHP alumni reunion in San Diego, CA.....4

APRIL:
13th Annual Alumni Homecoming & Continuing Education Convention.....16-19

MAY:
PA alumni reunion at Prime Med West in Anaheim, CA.....8

Respiratory/EMC alumni reunion in Palm Springs, CA.....14

JUNE:
Graduation.....14



Great Idea

Good news! You don't need to fill out a contact card, address it, stamp it, and mail it to us so we have your updated information. You can now update everything ONLINE! Visit www.llu.edu/llu/sahp/alumni/stayconnected and fill out the forms.

We would love to know about any new events happening in your life. Email your photos and stories to jpuehs@llu.edu.

Sign up now for our new online mailing list to receive the *SAHP Source*, email notifications of Alumni events, school/university updates and so much more! You will find the sign up form on the Stay Connected page.



LOMA LINDA UNIVERSITY

School of Allied Health Professions

OFFICE OF ALUMNI AFFAIRS

LOMA LINDA, CA 92350

return service requested

Nonprofit
Organization
U.S. Postage
PAID
San Bernardino, CA
Permit #1272

The Link

DEPARTMENT OF
CARDIOPULMONARY SCIENCE

LOMA LINDA UNIVERSITY
SCHOOL OF ALLIED HEALTH PROFESSIONS

