

HONEYBEES AND SAHP: Pollinating The World



or 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



RT PROGRAM CHANGES

Written by Laura Alipoon, Ed.D, RT(R), RT Department Chair

Change seems to be the operative word in our department these days. The Medical Radiography Associate's degree has increased in length from 18 months to 21 months and now includes the CT coursework. CT competency, in addition to being competent in Diagnostic Radiology, is the wave of the future and we want our students to be well prepared.

Also, the Radiation Therapy program is increasing from 12 months to 15 months. According to Carol Davis, Program Director, "in only 12 months there just isn't enough time for students to complete all of the clinical rotations that they need to excel in radiation therapy."

The Radiologist Assistant program is now a master's degree. Students may enter into the MSRA program two different ways. The first path allows students to enter with an Associate's degree. In their first year they take the 50-unit online core of the Bachelor's in Science in Radiation Sciences (BSRS) degree; they then progress to the RA curriculum in their second year. At the end of three years, these students will be granted a BSRS and a MSRA. The second path allows students to enter with a Bachelor's degree and begin their RA curriculum in the first quarter of the program.

We hope that with these changes we can continue to serve our students by preparing them to lead, to heal, and to serve.

13th ANNUAL ALUMNI HOMECOMING

The School of Allied Health Professions invites its alumni and friends to the 13th Annual Alumni Homecoming and Continuing Education Convention to be held April 16-19, 2009. Events will include continuing education courses, a *free* Friday evening vespers concert by powerful tenor vocalist Rudy Micelli, the annual Sabbath potluck on the hill, tours of the new buildings and facilities on campus, and the Saturday evening Alumni Recognition Banquet. For registration and weekend info, visit: www.llu.edu/llu/sahp/alumni/continuinged

STUDENT-TO-STUDENT MENTORING

As part of the goal to *teach to the whole person*— a purpose that Loma Linda University
highly values — the RT department is now
utilizing student-to-student mentoring in
the Medical Radiography Program. Five
of the second-year radiography students
are now voluntarily functioning as lab



[From Left to Right] Ruth Reyes, second year Medical Radiography student, is positioning first year student, Maria Chiovare, on the table with the help of first year student, Kelly Vander Hill.

assistants for the first year procedures labs.

The second year students have found this to not only be a rewarding experience, but very helpful in reviewing for their upcoming certification exam.

"COME ON DOWN"

On Wednesday July 30th, 2008, twentythree AS Medical Radiography students went to Los Angeles to take part in the taping of *The Price is Right* show.

Drew Carey, the host of the show, was very personable. During a commercial break he spoke to one of the disappointed contestants who hadn't won anything (except consolation prizes) and told her something along these lines "Hey, we don't own anything anyway, we are all just stewards. The minute you think you own your car God will arrange to have it stolen!" After laughing at his own



Marlene Gutierrez, '09



Drew Carey and Christina Casillas, '09, class secretary/treasurer

comment he continued, "Maybe you aren't here today to win, maybe you are here today to show sign language saying 'I love you' like you did a minute ago. Maybe you really made someone's day and that is why you are here today."

Near the end of the taping, one of the SAHP Radiography students, Marlene Gutierrez, was invited to "come on down" wearing her Loma Linda University t-shirt. She didn't win but will receive several nice consolation prizes. On the way out, several students were walking to their cars when Mr. Carey came up to them (recognizing the LLU t-shirts) and talked for a while. He posed for photos with each of the students.

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.

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



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, Respiratory Therapy, and other Allied Health Professionals. Deposit deadline: 3-15-09. Final payment due: 4-25-09. For more details, please visit our website at: www.llu.edu/llu/sahp/cruise/2009

- 100% pass rate for the RA exam in 2008
- Brenda Pfeiffer has been promoted to Assistant Professor
- The Medical Dosimetry programwill apply for accreditation from the JRCERT in 2009

The SAHP family is beginning a new Health Promotion program sponsored by the Spiritual Life and Wholeness Committee. This program will help the faculty and staff make a commitment to healthy living. With the help of a buddy, a "create your own goals" exercise log, and exciting prize drawings for those who meet their goals at the end of each quarter, SAHP is off to a great start!

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2009 CALENDAR

March:
SAHP Alumni Reunion in
San Diego, CA4

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

May:
Physician Assistant Alumni
Reunion at Prime Med West in
Anaheim, CA
,

EMC/Respiratory Alumni	
Reunion in Palm Springs, CA14	1

J	UNE:
Graduation	14

PAGES



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 ipruehs@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.



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