

CORD *magazine*

News from Union College

summer 2006

Thinking for Tomorrow

MEET STUDENT, FACULTY AND ALUMNI RESEARCHERS

Also ...

- *Union author creates campus ministries resource book*
- *Homecoming 2006*
- *Hurricane relief trip*

*The past
was built with vision . . .*



*. . . build the future with
ForeSight.*

Todd Mekelburg
Director of Leadership Giving

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*It takes
ForeSight...*

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www.ucollege.edu/advancement/plannedgiving.

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About the cover:

In the 50 years since his graduation from
Union College in 1956, Dr. Charles Sims has
become a pioneer in the field of cryogenic
tissue preservation.
Photographer: Steve Nazario

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photo: Steve Nazario



photo: Union College stock photo

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Dr. Wanda Phipatanakul '90



photo: Courtesy of Harvard Medical School

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Introduction by Jacque L. Smith, Editor

In a society where the term “research” is often distorted into advertising declarations proclaiming the benefits of miracle diets and teeth whitening products, it is easy to become cynical about the subject. In higher education arenas, however, true research continues to be a trigger topic for grant funding and an avenue for showing an institution’s academic prowess. Accomplishments on a smaller teaching-focused campus like Union College can be overshadowed by the prosperous foundations and fellowships propelling the academic research culture.

At Union, the academic climate is quite different than “publish or perish” institutions. For 115 years, the campus goals and structure have been configured to promote service and career preparation through personal instruction more than scholarly publication and faculty prominence. Yet after doing some research of our own (see p.18), our staff helped confirm that investigation, analysis and presentation do have an important and vibrant presence in a variety of

disciplines across campus.

Beyond faculty and students, Union alumni are using the skills they developed in college and applying them in ways that are adding to society such as asthma prevention (p. 29) and cryogenic tissue preservation (p. 14).

While Union College may not have regular press conferences under the clock tower unveiling the results, faculty and students are engaged in research from many angles. The context of research at Union continues to be shaped around student success and involvement, and while recognition is often an outcome, the process of learning is the main focus. So before you delve into Union’s research highlights, I hope you will find a glimpse of the level of faculty dedication to students through Jim McClelland’s reflections on the gift of teaching. “Mr. Mac,” as he is lovingly known, is a great example of an accomplished professional who places the highest value on teaching and nurturing students.

by Jim McClelland, Art Professor

In February, Jim McClelland was honored with the Outstanding Achievement in the Arts award, which is sponsored by the Adventist Alumni Achievement Awards Foundation. The award included \$5,000 for an Adventist school, which McClelland designated to Union College. The following is an excerpt from his acceptance speech at the awards banquet in Scottsdale, Ariz.

The nicest work

There are two things in my life that I knew early on I had to do. One was to draw and paint. The other was to teach. It is difficult if not impossible for me to separate the two. They are bound together in some spiritual way with my service to God and my reasons for being on this earth.

I did not grow up in a Christian home, and I do not know whether my public school teachers were Christians or not, but I came to see Jesus in them before I came to know God in any other way. I never wanted to be anything but a teacher because of my own kind, loving teachers who understood I needed to draw and inspired and nurtured my love for nature and art.

Now, I am humbled and grateful for the sacred privilege of being a teacher and for the gift of expressing my love for God and His world in pencil and paint. As a teacher, I want to share

with my students the joy that being an artist has brought to me—the joy in seeing form and color, patterns and textures and in turning a canvas or paper into an illusionary image that expresses viewpoint and feeling.

Douglas Cooper has written in his book, *Living God’s Joy*, that God receives and generates joy by creating. “One way the heavenly Father has honored man is by sharing His nature with him in the form of creative ability,” Cooper writes. “You are enough like God so that unless you are creating something, you are not experiencing fullness of joy.”

Ellen White calls teaching “the nicest work ever entrusted to men.” With the help of the Holy Spirit, teachers are privileged to be in the business of helping students make their dreams come true. We who teach can be enablers in helping to make dreams come true—or sometimes we can also shatter those dreams.

Langston Hughes has said, “For if dreams die, life is a broken winged bird that cannot fly.” I pray that God will ever grant me the sacred privilege of being a dream maker. I want to see my students soar. I want to see them become all that God designed them to be.

There are two things that I would gladly do without pay—teach and paint. God has granted me a charmed life because I have been able to make not just a salary but a life of doing both.



Pictured with President David Smith (right) Jim McClelland receives an award for Outstanding Achievement in the Arts.

Rediscovering the ivory-billed woodpecker

by Jacque L. Smith

While in his teens, Bobby Harrison first saw the ivory-billed woodpecker in the pages of *Life* magazine (April 7, 1972). More than 30 years later, he was one of the first people to see the famous bird that has eluded researchers for decades. In February, Harrison presented at Union College his experience with the long-thought extinct ivory-billed woodpecker. Despite a snowstorm that day, 100 community guests and students ventured out to hear Harrison discuss his life-long connection to the elusive bird and his sightings.

"I always believed that the ivory-billed woodpecker still lived, and finding one has been a dominant force in my life for more than three decades," Harrison said. "Finding an ivory-bill was a 33-year dream come true for me."

The mysterious ivory-billed woodpecker has been the topic of national attention and celebration since spring 2005 when the journal *Science* reported on its Web site (April 28, 2005) the bird had been rediscovered in the Big Woods of eastern



Bobby Harrison signs and critiques a print of an ivory-billed woodpecker for an Audubon Society guest.

Arkansas. Prior to this report, it had been more than 60 years since the last confirmed sighting of the species. Evidence regarding the ivory-bill, the largest woodpecker in North America, was gathered during a yearlong search led by The Nature Conservancy and Cornell Lab of Ornithology involving more than 50 experts, including Harrison.

Harrison, an associate professor of art and photography at Oakwood College in Huntsville, Ala., was one of the first three people involved in the search for the famous bird. Since the rediscovery in 2004, which was kept quiet for almost a year to allow for confirmation, Harrison has been catapulted from being one of a minority convinced the dream sighting would come true to a celebrity in wildlife

and conservation circles.

In 1995, Harrison began searching for the bird in Florida and later continued in Georgia and Louisiana. Some in the scientific community have been skeptical of the sightings, but Harrison told the group gathered at Union College that he and his friend, Tim Gallagher, know what they saw: distinct markings including a tell-tale flash of white on the secondary wing.

"Tim and I immediately yelled, 'ivory-bill' simultaneously," Harrison said. "We were in shock, but our independent sketches confirmed our sighting."

He has since seen the ivory-billed woodpecker five times, but doesn't know if those sightings were the same birds. He

reports seeing both a male and a female.

Harrison is one of the recipients of the prestigious 2006 Explorer's Club Conservationist of the Year Award and has received three awards in the Nature's Best photography competitions. He was also featured in the television series, *Nature's Best Photography*, and has published articles on birds and photography in most

North American birding magazines and calendars. While in Lincoln, he was interviewed by KUCV, Union's former radio station which is now the mother station of Nebraska's public radio system.

Union College co-sponsored the event with the Wachiska Audubon Society, which meets on the Union College campus. Russell Duerksen, Wachiska Audubon member, initiated Harrison's visit by inviting him to present to the ornithology class that he teaches for Union.

"The rediscovery of the ivory-billed woodpecker is arguably the greatest event in ornithology in more than a century," Duerksen said. "Hearing a first-hand account of Bobby's monumental sightings was a rare and wonderful



While searching for ivory-bills, Harrison tries to blend with the scenery in an Arkansas swamp.

opportunity for students and other wildlife enthusiasts."

For more information on the ivory-billed woodpecker, including a detailed account of the sightings and conservation efforts surrounding the search, visit the Big Woods Conservation Partnership Web site: www.ivorybill.org

Nursing achieves perfect report

On April 8, Union College's nursing program received official results from the November 2005 accreditation visit of the Collegiate Commission of Nursing Education (CCNE). The program has been granted a 10-year accreditation status—the maximum possible accreditation span.

"The program received a perfect survey with no recommendations," said Jeff Joiner, chair of the Division of Health Sciences.

"Congratulations to the entire faculty and staff of the nursing program on the achievements and hard work reflected in this outstanding accreditation outcome," said Malcolm Russell, vice president for academic administration.

This is the fourth of Union's academic programs to receive accreditation results in the last two years. The education, physician assistant and social work programs all successfully completed accreditation reviews.



We need your stories and reflections to help celebrate Project Impact's 25th anniversary event on Aug. 24.

Please contact Campus Ministries before Aug. 10 with your reflections on volunteer service: 402.486.2508 or juokimi@ucollege.edu.

Look online after the event for photos and highlights. www.ucollege.edu/projectimpact

Full details of Project Impact 25 will be included in the next issue of *CORDmagazine*.

Union professor receives business award

Lisa Forbes, Union College associate professor of finance and accounting, is a recipient of *The Lincoln Business Journal* 40 Under 40 Award.

Presented at a breakfast on May 12, the award celebrates the accomplishments of 40 Lincoln-area entrepreneurs, business owners, managers and professional men and women under 40 years of age.

Forbes graduated from Union College in 1992 and later graduated *summa cum laude* with an MBA from the University of Nebraska-Lincoln. Forbes worked for six years at Deloitte & Touche and became an audit manager before returning to Union as an associate professor of finance and accounting in 2002.

"I appreciate the confidence from my colleagues very much and am honored to be part of the Union College family," Forbes said.

Forbes was nominated for the award by

several coworkers including Arlie Fandrich, Division of Business and Computer Science chair. "Lisa approaches teaching from a very student-centered perspective," Fandrich said. "She is interested in the success of her students both professionally and personally and is always willing to provide extra help when needed. Known for her abilities in organization, Lisa is always well prepared and motivated. She is an exceptional teacher and business mentor."



Lisa Forbes (center) is recognized during the 40 Under 40 Award event in May.

Union honored as community partner

Earlier this year, Union College was presented the Friendship Home Community Partner Award for hosting the Safe Quarters drive. The Friendship Home board of directors president, Kris Baack, presented the award to Sharon Russell, conference and guest services coordinator, who accepted on behalf of Union College. In October, volunteers across the city joined in the Safe Quarters drive and collected loose change from Lincoln neighborhoods before returning to the Union College campus, the event's collection and distribution point. The fundraiser collected \$131,000 for the Friendship Home—a shelter for women and children of domestic violence. ~BD



Sharon Russell and Kris Baack

Laura,

Thank you for six years of hard work and fun in Marketing Communications. We miss you and wish you all the best in your new pursuits. ~Steve and Jacque



Pictured: Laura Poblete, Steve Nazario, and Jacque Smith.

Laura Rumsey Poblete '03 worked at Union College for two summers before she transferred to Union for her last two years of college. After graduating in May 2003 with a major in English, Laura shifted to a full-time position in Marketing Communications as Web content manager/writer. In addition to her outstanding feature writing, Laura contributed to *CORDmagazine* as a news writer, copy-editor and most recently assistant editor. Laura developed the online format for *CORDmagazine* in addition to managing the Union College Web site for three years. Laura and her husband, Allen, moved to Orlando, Fla., in April.

Student housing nears completion



Union students will have a new apartment option when they return to campus this fall. Construction of the apartment-style student housing complex for older and married students is on schedule for completion by Aug. 1. Details from the Aug. 16 grand opening celebration and a photo tour will be included in the next issue of CORDmagazine.

Union welcomes 149 new alumni

On May 14, Union College awarded associate and baccalaureate degrees to 149 students during the annual commencement ceremony in the College View Seventh-day Adventist Church. The service recognized 18 graduates from December 2005, 105 May graduates and 26 prospective August graduates. Among this group, five students graduated as Union Scholars and 10 students earned two degrees for a total of 159 degrees. Rich Carlson, Union College chaplain of 25 years and father to two of the graduating seniors, was the commencement address speaker and challenged the class of 2006 to live each day as if it were a dance before God. ~JS



Fitts named Teacher of the Year

During the Homecoming Weekend Academic Convocation in April, Dr. Bill Fitts, English professor at Union College, received the Teacher of the Year Award for excellence in teaching. The award is the first given by the Dean's Student Advisory Committee, in what is hoped to become an annual tradition.

"Dr. Fitts is compassionate toward students and just as willing to learn as he is to teach," said Jody Boyce, leader of the all-student committee and presenter of the award.

"When an award comes from the students, it actually means more than if it were from the administration and colleagues," Fitts said. Known for making students work hard to earn good grades, Fitts was surprised to receive the award. "It means the students are saying, 'Yes, you are hard, but we learned.' To me, no greater compliment could have been given because of who gave it." ~BD



2006 -2007 Campus Calendar

New Student Orientation	Aug. 13-14
Registration	Aug. 15-16
Fall Semester Classes Begin	Aug. 17
Project Impact	Aug. 24
25th Anniversary	
Fall Preview Days	Oct. 5-8
College Days	Oct. 26-29
(MAU academics)	
Parents Weekend	Nov. 3-5
Registration	Jan. 8
Spring Semester	Jan. 9
Classes Begin	
Homecoming Weekend	Apr. 5-8
Spring Preview Days	Apr. 12-15
Home School Sneak Peek	Apr. 26-29
Graduation Weekend	May 11-13



Count the Clock Towers

Share *CORDmagazine* with the kids in your life. Help them enter a contest just for them. We have hidden 10 clock tower symbols throughout the magazine. See if together you can find all 10 gray ⌚ and black ⌚ clock towers in this issue, including this page, and win a chance at a free Union College T-shirt! *

Here's what to send:

- Child's name
- Address
- Phone number
- E-mail address
- Name of adult who shared *CORDmagazine*
- Relationship to child (mom, dad, aunt, grandpa, neighbor)
- Page numbers of the 10 clock towers

Here's how to send it:

Mail: CORD for Kids—Summer 05/06
3800 South 48th Street
Lincoln, NE 68506
E-mail: news@ucollege.edu
Online: www.ucollege.edu/cordkids

Last issue's winners:

Daniel—Rockland, Wis.
Jonathan—Rockland, Wis.
Caitlynn—Lincoln, Neb.

The Winter 05/06 *CORDmagazine* had clock towers on these pages: 6, 10, 15, 16, 24, 27, 29, 33, 34

* All entries are due Sept. 15, 2006. Submissions will be entered into a drawing with up to five winners.

CAMPUS NEWS

Reconstructing Spring Break

In March, Don Abbey, chair of the Division of Science and Mathematics, and Janella Abbey, college academic administration assistant, led a group of Union College students to Mississippi to clean up after Hurricane Katrina. Many of the students were international rescue and relief majors. Just a few days after their arrival, Union students began supervising other volunteer groups at various sites. Some laid brick or cleared yards of debris, while others worked in individual houses, gutting everything that had been made unsalvageable by flooding. The group witnessed tragic devastation, learned of heroic rescues and seized the opportunity to transform the community through their compassion and hard work.

Tony Pacini, sophomore IRR major, was one of the students inspired to show compassion in the midst of chaos. ~KS/BD

*by Tony Pacini
International Rescue and Relief major*

My spring break had everything a spring break should: lots of beach houses, bonfires and very little sleep. The only differences were that these beach houses were filled with debris and moldy insulation, the bonfires were made of wood from destroyed buildings, and the little sleep I got was on a cot.

On March 9, I loaded into a big red van with nine other students and Dr. and Mrs. Abbey and headed for Waveland, Miss. Eighteen hours and several car games later we reached our destination.

As Dr. Abbey figured out where we would be staying that night, we waited in the van until we spotted a bonfire on the beach. When we approached the people around the burning flames, we realized



Laura Hanson wears a demolition mask and suit.



A Union College group spent spring break in Waveland, Miss., to aid in cleanup efforts after Hurricane Katrina. Many of the students were international rescue and relief majors.

they were students from Southern Adventist University celebrating their last day of service in Mississippi. We spent about an hour with these students, and it was clear that God had brought our groups together. Through them we acquired all the connections we needed for the week: a place to stay and people to contact to get organized.



A capsized boat in a serene river is one of many souvenirs the hurricane left behind in Mississippi.

The extent of the destruction in Waveland and Bay St. Louis was incredible. In Waveland, only 35 of 7,000 houses were livable after Hurricane Katrina. I thought that so many months after the dis-



Union students Aaron Kent, Tony Pacini and Kel Harold work on projects of demolition and reconstruction during a spring break trip in Waveland, Miss.

aster, most of it would be cleared away, but I was wrong. There were couches in trees, boats on rooftops and neighborhoods in pieces. Years and years of work still remain. It will take a lot of time, money and dedication to bring the towns back to normal.

Throughout the following days it became more and more apparent that God was leading the efforts of our group. We did more than move boxes, clear drywall and remove moldy insulation; we built relationships with one another and with the people of the community. We were able to meet, spend time and pray with all those we helped. While we may not have experienced a typical spring break, it was an invaluable one.

Walking for the Children:

Union participates in Global Night Commute

by Becky Dewey

On April 29, 100 students and staff from Union College and College View Academy joined 650 Lincoln participants who walked to the Nebraska capitol building and slept on the Centennial Mall to raise awareness for children half a world away.

The Global Night Commute was created to draw attention to the thousands of children in Uganda who have been abducted and forced to participate in the Lord's Resistance Army, a rebel army known for mutilating and murdering civilians. Most of the children are from 8-14 years old. More than 300,000 children have been taken by the rebels, according to Invisible Children, a foundation created to change the plight of these children.

"I feel every step I take is helping those children," said Jessica Dorval, president of

the Union College Peace and Social Justice Club. "It's a simple way for students to reach out in a humanitarian way. And that's what Christianity's all about."

"People were writing letters to senators, so it wasn't just a big camp out," said Walter Anderson, senior health science major who participated. "We made it known that the senators have our support if they can do anything to help the situation."

Invisible Children is a non-profit organization working toward peaceful government involvement. According to Katie Bradel, an employee of Invisible Children for the last two years, "Many senators are sympathetic, but don't think enough Americans know or care. We're here to say we do."

Among those who took notice of the Lincoln demonstration were Channel 10/11 News, Lincoln Mayor Coleen Seng and Congressman Jeff Fortenberry. "It's extraordinarily impressive that the kids from the University of Nebraska and Union College would come to give attention to children thousands of miles away," Fortenberry said.

Global Night results

- Nationwide participation: more than 70,000 people
- Lincoln participation: 857 people (about 100 from Union College and College View Academy)
- Lincoln's turnout was the eighth highest of the 126 participating cities across the United States.
- Lincoln is one of 20 cities to be featured in the updated version of the Invisible Children documentary.
- Of the 15 representatives organizing the Lincoln Global Night Commute, half were from Union College, including six students, one professor and one alumnus.

For more information about the film, the Ugandan children and what's being done, visit www.invisiblechildren.com.

Lifestyle Center celebrates 25 years

Larson Lifestyle Center is celebrating its 25th anniversary this summer. Since 1981, the health facility has grown to offer the campus and community exercise options from weight training to water aerobics. In March, the center's pool was closed three months for ceiling structural repairs.

Donnie Epp, Lifestyle Center member for 23 years, has tried out several other pool facilities in the area, but couldn't find one that measured up. "Larson is a wonderful, clean, beautiful pool with great people to be around," said Epp, age 83. "It's a bright, cheery place and makes you feel good to see it and swim in it."

Each month more than 2,000 community guests use the Lifestyle Center in addition to Union students and employees. Annually, more than 4,000 swimming lessons are taught in the center's 25-meter pool.

Ric Spaulding, director of the facility for 16 years, says the Lifestyle Center serves as the introduction to Union College and the Seventh-day Adventist church for many people in the communi-



Ric Spaulding and Donnie Epp

ty. "So many times I run into people whose first connection to Union College is swimming lessons at Larson," Spaulding said. "I hope the community members have a positive image about Seventh-day Adventists from their experience at Larson. We have fun and enjoy life." ~BD

Learn more about Larson Lifestyle Center online at: www.ucollege.edu/lifestyle.

PA program class achieves exam success

The physician assistant graduating class of 2005 achieved a 100 percent pass rate on the Physician Assistant National Certifying Examination. This certification is required before a physician assistant can legally practice in the United States. All graduates passed on their first attempt.

According to Mike Huckabee, physician assistant program director, reaching this 100 percent first-time pass rate is a milestone for Union's relatively young program. Graduates from the 2005 class are employed across the country, including locations in Georgia, Iowa, Maryland, Missouri, and several in Nebraska.

CAMPUS NEWS

George Stone Elementary School: Teaching teachers and students for 30 years

by Kate Simmons

In 1976, more than 80 percent of elementary schools in the North American Division Adventist system were multi-grade, yet no Union College elementary education majors were being trained for that environment. Virginia Simmons, then professor of education, and Charles Felton, chair of the education division, planned a laboratory school: a multi-grade classroom where student teachers could gain much needed experience and elementary students could benefit from a low student-teacher ratio. What began as an experiment has become a 30-year success known as George Stone

students' papers and hand them back. They make corrections before I check off the assignment as finished. Students have the opportunity to fix their mistakes, so re-teaching is happening constantly."

With this unconventional system, students from George Stone score consistently above average on the Iowa Tests of Basic Skills. Several students have become valedictorians of their graduating classes in high school or academy. One former student is now an Oxford Scholar.

Yet successfully educating elementary students is only half the mission of George Stone. The original impetus



Emily Eskildsen, a student teacher at George Stone, explains a math assignment.

Elementary School. Since its founding, one basic principle has guided the school's curriculum: the belief that children's academic, social and spiritual thriving depend on working at their own pace and within their own abilities.

This nontraditional approach to gauging a student's knowledge and abilities comes as a challenge to some student teachers who have experience only with the letter grade system. "Students are divided into groups by their individual learning level instead of by grade," explained Emily Eskildsen '06, education major and student teacher at George Stone last year. "So one student may use a seventh-grade math book and be in an eighth-grade level reading group. I check

behind the school was the goal of preparing education majors for Adventist elementary schools. Multi-grade classrooms still compose more than 80 percent of these schools, and George Stone is the only place in the Adventist school system where education majors can receive this kind of training.

"Superintendents from across the country are always looking for Union College graduates who have taught at George Stone because of their skills with a diversity of ages and learning abilities," said Joe Allison, current principal and Union's Division of Human Development chair. "Some people ask if we can afford to keep George Stone open. I tell them we can't afford not to."

Union introduces the Rock Pile online community

Since 1898, students have used the rock pile as a landmark and meeting spot on the front of campus. A new online community seeks to recreate those functions for alumni. The Rock Pile (www.ucollegecommunity.org), launched on June 19, provides a perfect way for friends and family from around the world to connect or reconnect online.

"I've lost touch with so many of my good friends from Union," said Pauline Sutton Morse '76. "Once we all start using the Rock Pile, we'll be able to get in touch regardless of where life has taken us after Union." One advantage the Rock Pile has over other online communities is its narrow audience, only Union College alumni. "We've worked hard to make this community a safe and private place for our friends," said Janya Mekelburg, alumni activities director.

The site's features include photo galleries, message boards, private and public forums, alumni notes, personal profiles and a group and private chat function, with more features still being developed.

Joining the Rock Pile is just four steps away:

1. Go to www.ucollegecommunity.org.
2. Click on "First Time Login."
3. Search for your name.
4. Enter your personal I.D. number (this can be found above your address on the back of *CORDmagazine*).

Questions regarding the Rock Pile can be directed to alumni@ucollege.edu.

Looking ahead...

Mark **April 5-8** on your calendars and encourage your friends to join you at next year's Homecoming Weekend. In 2007, the honor classes will be: '37, '47, '52, '57, '67, '77, '82, '87 and '97.

Homecoming 2006 highlights

Homecoming weekend 2006, from April 6-9, saw more familiar faces return to campus than previous years. "About 400 people registered," said Janya Mekelburg, alumni activities director. "That's about 100 more than last year and, of course, we can't keep track of how many attend without registering. The meetings were packed." The 50- and 60-year classes ('56 and '46) were especially well represented, with more than 50 attendees in each class.

Find photos online at the Rock Pile: www.ucollegecommunity.org

Congratulations alumni golf tournament winners

First flight

First: Bill Holderbaum and **Randy McWilliams '91**

Second: Ryan and **Bob Beck '76**

Championship flight

First: **Rob Beck '01** and **Aaron Fritz '98**

Second: **Brannon Shea '02** and **Jamie Wasemiller '96**



Jacque Faucher Beck enjoys hor d'oeuvres at the President's Reception.

100 years of Golden Cords

In 1906, after months of digging through General Conference yearbooks and Review and Herald archives for information on missionary work conducted by alumni, the graduating class presented Union College with a map of the world featuring golden cords hung from Lincoln out to wherever alumni had gone as missionaries. One hundred years later, more than 1,900 cords have been hung, stretching to every continent except Antarctica. At this year's homecoming, the annual Hanging of the Golden Cords honored this 100-year legacy as 26 new cords were hung.

"The type of missionary we send is changing," said Rich Carlson, campus chaplain. "Local workers now have the training and expertise the Seventh-day Adventist



Recent student missionaries participate in the Parade of Nations.

church once looked for long-term, professional missionaries to provide, but student missionaries from Union College continue to be a sought-after commodity around the world. The expanding student missions program is vital in maintaining a world-wide vision."

This changing paradigm was reflected in the service itself, giving two pioneers of the student missions program prominent roles. **Gerald Lake '66**, Union's first student missionary, led the procession of flags and **Mauri Bascom '56** gave the address. Bascom served the Adventist church for 18 years in East Asia and helped launch the language school system that now employs student missionaries throughout the world.



Steve Creitz and Rich Carlson.

A highlight of the evening was the presentation of a painting by **Steve Creitz '93**. The painting, now displayed in the Everett Dick Building, depicts Jesus in a prayer-shawl of flags watching over the world as golden cords stretch out from the clock tower. The depiction represents the college and gospel as supranational bonds that transcend borders. "We still need missionaries," said Carlson, "partly because we still need returned missionaries to keep the non-national world view of our church."~SC

Would you like to know what's happening at Union between *CORD* magazine issues? We want you to be in the loop. That's why Union has developed a new electronic publication, *Around-the-Clock News*. You may recognize the name from Union's former printed publication. While some of the content remains similar, this e-newsletter is delivered directly to your inbox and is available to anyone with an interest in Union College. In addition to *CORD* magazine, *Around-the-Clock News*

AROUND-THC-CLOCK NEWS

provides an insider's perspective on Union College and is distributed more frequently. Alumni, please make sure we have your current e-mail address through visiting the Rock Pile online community (see announcement on page 10). If you are not a Union alum, you can send an e-mail to alumni@ucollege.edu and request to be added to the distribution list.

CAMPUS MEMORIES

Union Reflections

This year's honor classes have provided these memories prepared for their honor class booklet, *Reflections*. Consistently, alumni reminisced of Friday night vespers, life-inspiring teachers, winters, Colorado nursing experiences, the College View church ambiance, new experiences, meeting a spouse and lifelong friends. Portions of the memories are shared here.

Compiled by Becky Dewey

Romance

I met my wife of 55 years at Union—best memory ever.

Ed Collier '51

I remember looking out the windows of South Hall to see what girls were coming to the cafeteria so my arrival at the line could be coincidentally timed.

Timothy Mercer '81

I first met my future spouse at the Handshake. He was helping serve refreshments. Next meeting was in Dr. Firth's economics class. From the first row, I looked to the back row of the room, and there was this handsome boy with reddish-brown hair smiling at me. I wrote home and told my mom about him—not knowing who he was. I also told my roommate, Judy. She told me he had a girlfriend—my heart sank. God worked anyway, and he is my husband of 38 years.

Pat Colvin Diehl '66

Fun With Friends

As Men's Club leader, I paid Johnny Carson \$50 to entertain us at the South Hall Christmas banquet in 1949. Believe it or not, Johnny's humor was appropriate to our Christian campus. Carson was a disc jockey at an Omaha radio station at the time and worked with his dummy, "Eddie Delaney." He was known at that time simply as John Carson.

Warren Zork '51

After one of the banquets, my friend and I took off our shoes and ran nylon footed through the snow back to the dorm.

Cynthia Hoffman Hillman '66

Union College was where I was first introduced to pizza—Valentino's pizza!

Annie Liem '66

Some of us fellows wanted to spend the night in the old clock tower. Our sleep was interrupted. We did not think about the big clock's loud gong going off every hour on the hour.

Vernon Heglund '46

I was appointed the official door locker at the library when I worked there. One day I locked the doors and went home at noon. The conference board was meeting in one of the rooms. They all had to crawl out the window to get to lunch.

Stacia Alexenko Merickel '46

I remember holding Bob Gabriella by the ankles at the top of the clock tower while we removed a Mickey Mouse face from the clock face after a Halloween prank!

Scott Daarud '76

Putting Mickey Mouse on the clock tower.

Gary Brendel '66

Spiritual Reflections

Graduating from high school in 1933 and having just been baptized into the Seventh-day Adventist faith—a very green Christian—I owe an introduction to Adventist lifestyle and mission to Union, Miss Rees and faculty. Friends I met there have been lifelong treasures. Union was a hallowed place to me and still is.

Eleanor Kirkpatrick Rice '36

The cinnamon rolls served every Friday evening. They never lasted until their intended Sabbath morning breakfast.

Joyce Lyon Marks '46

I remember Friday evening vespers in old College View church, the string quartet led by Professor Engel and Dean Pearl Rees and her dormitory worships—informative, education, spiritual.

Marilyn Brown '51

Union College was very influential in my spiritual life as I wasn't raised in the Seventh-day Adventist faith. I joined the Adventist church during World War II, shortly before I was drafted into the army.

Keith Wiseman '51

The heart of Union was its spiritual component. It permeated the staff, classes, work and friendships. The bustle of the week came to a

CAMPUS MEMORIES

halt as we ushered in the Sabbath with reverent worship in the dorm, a special candlelight supper by Miss Whitfield, an encouraging foreign mission program and an inspiring vespers with those heavenly song services. Afterwards there was often another songfest around the piano. It was a real feast.

Heidi Nuessle '66

I remember the Week of Prayer with Morris Venden in the late '70s. That week gave me assurance of salvation in Jesus through faith in Him if I stay connected by a personal friendship.

Clinton Anderson '81

Selected Memories

The nursing class of 1951 has a round robin class letter going from west to east—sometimes it takes two or three years to make the rounds—but so far we have been able to keep it going!

Florence Kearnes Buttler '51

While sitting in Dr. Fitt's American Literature class discussing Thoreau, I first thought of traveling abroad as a student missionary. That experience affected the course of my life dramatically.

Sophie Anderson Berecz '96

At Union I met Annabelle Evans, to whom I was married for 50 years before her death in 1994. I appreciated Professor L. W. Cobb for his instilling in me the love of the best in literature. Pearl Hall was an inspiration. Frank Marsh was a favorite teacher in biology; he helped me form a lifelong hobby in paleontology. Union's teachers in my major ministerial courses gave sound foundation for my life's work.

Wayne Moore '46

I remember Friday afternoon football outside Prescott Hall, stir-fry with Romeo, great friends, Pastor Greg's sermons, Kwik Shop runs, Roeske's Friday song service, dumpster diving for Doritos, the old terminals included in each dorm room, mounds of laundry, late nights, study breaks and worship cards.

Shayne Daughenbaugh '96

I was one of the few guys in the dormitory who had stayed to work in the dorm on Christmas Eve when old South Hall burned. I was in Willis Hargreaves' room in the new bathroom window and saw the fire just a few feet away. We got fire hoses and tried to put the fire out but it burned down despite our best efforts. We stayed too long on the top floor and had to crawl down the hall and down the stairways on our knees in black smoke to make our way out. The fire department drove a ladder

truck up to the window to get us, but we made it on our own.

Ardyce Weatherall '56

I remember removing the corner stone of the old ad building as the building collapsed around us.

Lynn Schlisner '76

I learned that if one was honest with Miss Rees she would trust you with the world.

Madeleine Douma Coy '46

I remember sitting on a bench watching the old College Building being knocked down. It was sad and yet when it was gone the new building looked so new and modern.

Joy Hilliard Wilder '76

My first year at Union was the year the women convinced the administration that they could wear blue jeans to class.

Peter Teller '81

I remember as a freshman when Union College got computers in each dorm room. We were advanced! I remember the new library and the atrium being built. We had a Christmas ornament contest that year to decorate the tree in the atrium. The thing I remember the best and still love about Union is the people.

Larinda Hoskinson Fandrich '86

I remember ...

Being afraid to go to the cafeteria by myself at first and making great friends. Giving our first nursing shots to oranges. Biking everywhere, no car ... my kids can hardly imagine.

Traipsing through Japan with a camera—sharing Bible stories with Japanese teens, assisting in baby deliveries, and teaching Japanese women how to breastfeed when I had no experience.

Donna Hilderbrand Jaster '81

For four years, the best times for me were on Saturdays when a large group of us (ranging from freshman to seniors) would spend the day together relaxing and enjoying one another's company. Whether it was at a local park, on the lawns of the campus or at someone's house, we always managed to find a place where all of us could go.

Jamie Wasemiller '96

B A N K I N G on the future

*Union alumnus
pioneers cryogenic
tissue preservation*



*story by Cheryl Huff Kennison '02
photography by Steve Nazario*

“Get the broadest and deepest understanding of the world so you're prepared for the unexpected, and then be open when the totally unexpected presents itself.”

Dr. Charles Sims' own statement is a perfect summary of his life. Being prepared for and open to the unexpected has been his motto since attending Union College as a pre-med student in 1956.

Sims was a transfer student to Union College from Southwestern Junior College, now Southwestern Adventist University, and was the first member of his family to attend college. His decision to attend Union wasn't so much a conscious decision but more the path of least resistance based on geography and the relationships between the respective Seventh-day Adventist regional conferences.

“I was quite naïve when I arrived at Union,” Sims says. “As it turned out, Union was a very good college for me. It was small, the faculty were caring and supportive of each individual student. It is only in hindsight that I realize how truly fortunate I was to have had such a caring and nurturing environment for those critical formative years of my life.”

Sims sees one of the primary goals of education to provide students with the tools to continue to learn and teach themselves so education doesn't stop at graduation. Education becomes a lifelong tool.

“Voyage into the unknown. Much like Columbus, what you discover may not be what you set out to find.”

“I was taking pre-med, but the classes that had the greatest impact on me were my history and language classes, taught by Robert Cleveland and Harry Reinmuth,” Sims says. “Looking at languages and peoples tied things together. They were the courses that provided me with a platform to continue to explore the world around me as an adult.

While at Union and during his medical school education at Loma Linda University, Sims pictured himself as a country doctor, using science to help people. Upon graduating from Loma Linda University in 1960 and completing an internship at White Memorial Hospital in Los Angeles, he followed his predicted path and worked at a family practice in Crescent City, Calif., from 1961-1964. That's when the unexpected presented itself.

“As rewarding as the family practice was in terms of helping people, I became more interested in becoming an expert in an area of medicine,” Sims says.

Soon after, Sims applied and was accepted into a pathology residency. After working at two different hospitals in pathology and as the laboratory director and chief of pathology for a large reference laboratory, Sims was hired at Century City Hospital in Los Angeles in 1976. One year later the unexpected happened again.

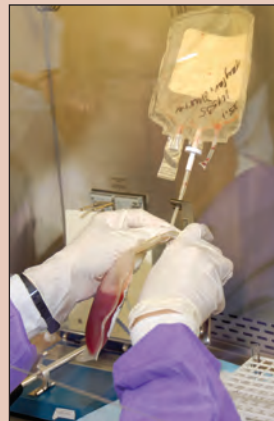
Dr. Cappy Rothman, a specialist in male infertility and urologist at Century City Hospital, was directed to Sims because of his extensive laboratory and pathology experience. Rothman wanted to establish a sperm bank to create a practical and viable solution to a painful dilemma he had witnessed in his profession: the often-traumatic effect of sterilization on men and their families.

With each of them making an initial investment of \$1,000,

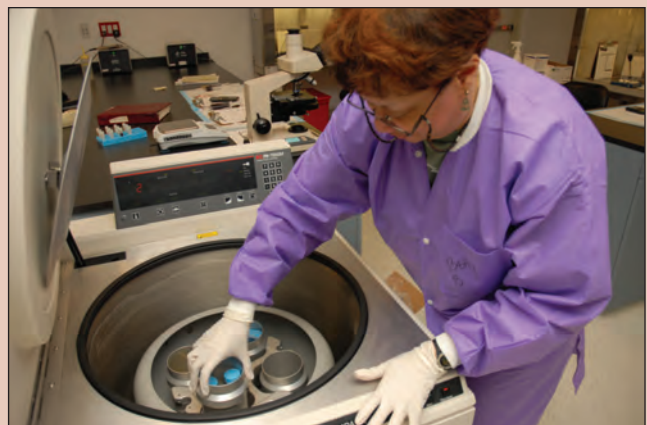
The science of cell storage



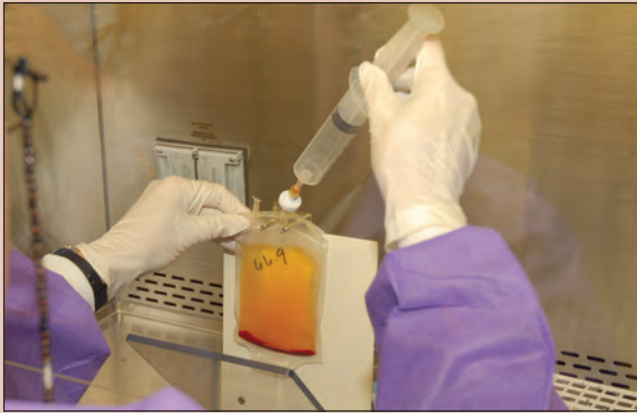
Charles Sims and his partner, Cappy Rothman, launched the cord blood cell storage component of their business in 1997. These nitrogen-filled containers make the long-term storage process possible.



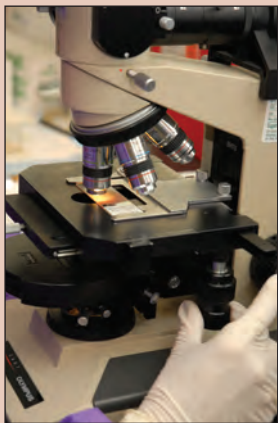
Approximately 100 cc of blood is collected immediately after birth from the mother's umbilical cord and shipped to the storage processing lab. The blood is prepared for separation to harvest the stem cells.



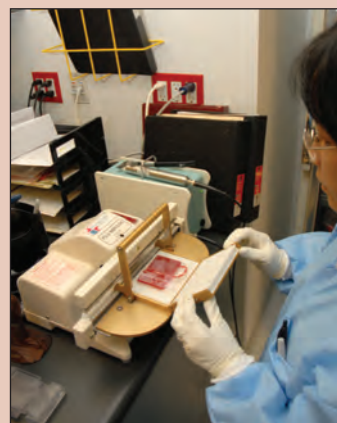
Canisters containing cord blood are placed in a centrifuge that rapidly spins to separate plasma and the white and red blood cells.



The red blood and stem cells sink to the bottom of the bag that is removed from the centrifuge.



During the retrieval process, the mother is tested for infectious diseases such as HIV and hepatitis. Each sample must also clear a battery of tests again in the lab before it can be approved for safe storage.



The small fill tube (left) is divided into a few sample cell sections that can be tested in the future without disturbing the main collection. The cells are sealed and double insulated in the package.



The sealed package is cataloged and labeled.



The cells are enclosed in a protective metal case designed to fit into large storage trays in the cryogenic storage tanks.



Before the cord blood cells are placed in the nitrogen-filled tanks, the storage package temperature is slowly lowered by a small computer-controlled freezer. Unlike sperm cells, stem cells require a gradual temperature decrease of one degree per minute. The process takes about 60 minutes to reach the long-term freeze zone of -60 to -80 degrees F. The whole testing and freezing process must be completed within four hours of opening the cord cell transport container.

they established the California Cryobank in 1977. Their first office was located in a broom closet in the hospital and consisted of a microscope, some laboratory junk, and a second-hand fridge and desk they purchased at a yard sale. After increasing their space to a slightly larger office they rented for \$175 per month on a month-by-month basis, they hired their first employee, a part-time student they paid on a percentage-of-fees basis.

"At that time there were no free-standing sperm clinics in the Western United States," states Sims. "There were times it looked very, very bleak."

Over the next few years, the clinic continued to grow. Then in 1978 the first in vitro fertilization (IVF) birth in the world took place in England.

"We thought, 'Can we do this?'" Sims says. "Because we didn't know any better, we thought we could."

After meeting with Dr. Patrick Steptoe, the doctor who performed the first IVF procedure, the California Cryobank started the second IVF program in California, the third in the United States.

"It was exciting to be able to participate in this exciting new area of science," Sims says. "Just like in the biological world, we need to be able to change to our environment."

In 1993, another scientific discovery, stem cell transplantation using umbilical cord blood stem cells, led to more change for Sims. After several years of researching the feasibility and possibility of expanding into this area, Rothman and Sims opened Family Cord Blood Services in 1997, the only cord blood bank owned and operated by physicians. This company collects cord blood, processes and stores stem cells using a specialized process, and provides the stem cells should they be needed for treatment.

"We decided to take a chance and become a pioneer in this field," states Sims. "To be able to help people and families in this way is incredibly rewarding."

Sims has not only been a pioneer in the scientific component of this field, but he has also played a major role in shaping and debating national policy regarding transplantation of stem cells from umbilical cord blood. Additionally, he has been instrumental in developing a national organization for private cord blood banks.

While Family Cord Blood Services has provided stem cells for a small number of transplants, Sims' real hope is that his clients never have to use their stored stem cells, but he knows this likelihood will continue to increase over time.

"If there is no expectation of problems at birth, the likelihood of needing the stems cells is one in 2,700," Sims says. "Cells can be used for other members of the family in many cases. Obviously, this field holds an enormous number of health applications."

Currently stem cell transplantation is being used to treat more than 45 malignant and non-malignant diseases in children and adults, including anemias, leukemias, lymphomas, immune disorders and genetic disorders. New treatments continue to emerge as scientists research potential future treatments for a variety of diseases, including Alzheimer's, Parkinson's, muscular dystrophy, diabetes, heart disease and stroke.

Sims and Rothman have seen their dreams move from a small broom closet to one of the largest laboratories of its kind, with their recent relocation to a custom-built 21,000 square foot building. This move marks an important step in their ongoing mission to help clients start families. California Cryobank now ships specimens throughout the United States and to over 30 countries worldwide and has a large staff that is fluent in 16 languages and includes genetic counselors, donor matching counselors and a technical staff available to physicians and patients.

"Voyage into the unknown," advises Sims. "Much like Columbus, what you discover may not be what you set out to find. It may be more interesting and rewarding." **A**

Cord Blood Banking Facts

What exactly are stem cells?

Stem cells are the "parent cells," which give rise to all other cells in the human body. They are found in the blood of the umbilical cord and are key building blocks of blood and the immune system. They are the origin of white blood cells that fight infection, red blood cells that carry oxygen and platelets that promote clotting and healing.

How is the umbilical cord blood collected?

The process is simple. After delivery, the physician, nurse or midwife collects blood from the umbilical cord in a special bag and packages it in a custom-designed transportation kit for shipping to the processing and storage facility.

What happens to the cord blood after it is collected and shipped to the facility?

Once the sample is received, it goes through extensive testing and processing to retrieve the stem cells. Then they are cryogenically frozen and stored at the facility.

How long can umbilical cord blood stem cells be stored?

To date, umbilical cord blood has been successfully stored for up to 15 years. Theoretically, cord blood can be stored indefinitely.

Who should consider saving their child's umbilical cord blood stem cells?

Any parent who wants to assure their child and other family members will have access to stem cell treatments in the future. Banking cord blood is particularly important for families with a genetic predisposition to certain illnesses or those of diverse ethnic backgrounds, as well as those with children whose genetic links to parents are unavailable, like in the case of adoption or assisted reproduction.



Guest speaker, Charles Sims, responds to a question while presenting to Union science students during Homecoming Weekend.

story by Laura Poblete '03
photography by Steve Nazario

As I set out to write an article covering campus research, I started with two prominent topics in mind: Dr. Brian Wong's cancer prevention research and Dr. Veneracion Cabana's lipoprotein research for heart disease. While these are certainly significant and compelling projects, I began to uncover more and more activities all across campus—hidden gems of service and contribution that are quietly emerging in their own fields with their own significance.

The scope of the article quickly expanded, and I soon realized it would be impossible to adequately cover each of the service projects, presentations, publications, performances and research activities that Union College faculty participate in each year. With that in mind, this article is not intended to be a comprehensive report on campus research, but rather a glimpse into the heart of Union's faculty through their many contributions that go beyond classroom lectures and graded essays.

HIDDEN



*Shining a light on
research and*

N GEMS



*on Union's
and contributions*

“At Union, classes are taught by professors—not graduate students.” This statement is often used to emphasize Union’s focus and strength in providing quality, personal education to students. While Union has positioned itself as a teaching institution rather than a research facility, this does not stop faculty from delving into cutting-edge research and making valuable contributions to society.

According to Malcolm Russell, vice president for academic administration, 20 percent of faculty annually report academic research—original research conveying something new to a specialized audience—or juried art and music performances that have passed an entrance test. This group doesn’t include another 10 to 20 percent of faculty who reach out to general society each year through church publications, presentations at workshops and other contributions.

“Research is part of being a college,” Russell said. “If we didn’t have it, we wouldn’t really be a college. But it’s not everything here. The nice thing about Union is that our faculty are doing both—researching and teaching.”

Union’s focus on providing quality education for students is enriched, not eclipsed, by the research that takes place. The opportunities research creates lend strength and excitement to each student’s education experience.

“Research helps keep professors up to date in their fields and benefits the students,” Russell said. “Professors often involve students in their projects, giving them first-hand research experience.”

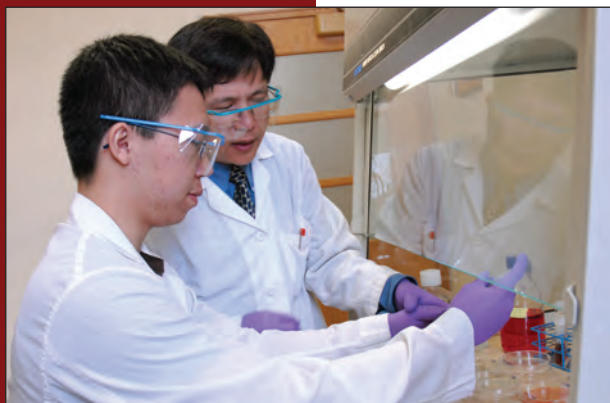
While full-time teaching responsibilities can sometimes create challenges for professors—much of their research is conducted on their own time with their own resources—this dedication once again demonstrates the passion of Union’s faculty.

Advances in cancer prevention

Dr. Brian Y. Y. Wong, professor of biology, has been researching cancer prevention methods for more than 15 years since his doctoral dissertation in 1990. While his dissertation focused on how certain Chinese herbs could prevent chemical mutagenesis and carcinogenesis (the production of cancerous cells), since coming to Union, Wong has shifted his emphasis to study the effects of the herbs on preventing cancer cells from further development.

“Some of my student assistants helped me discover that different compounds from two Chinese herbs can actually induce the cancer cells to die,” said Wong. “That was my turning point. Once I saw that, I said, ‘This is promising. There are a lot of things we can do with that.’”

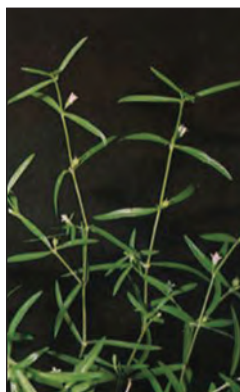
With those encouraging findings, Wong and his research students have focused on apoptosis—the inherent programmed dying process—of cancer cells. To aid



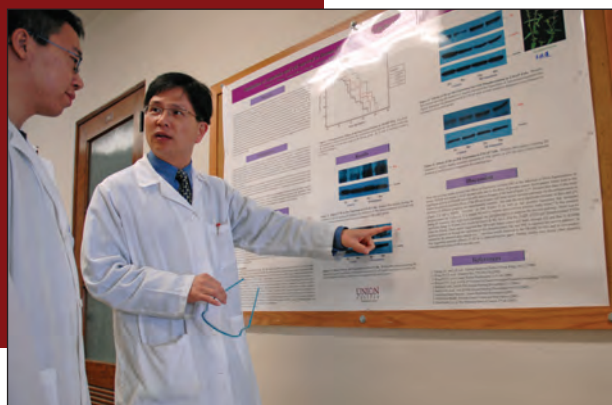
Dr. Brian Y. Y. Wong (right) continues his search for the prevention of cancer. After seven years at Union, more than 15 students have had the opportunity to assist Wong in his research, including current student Rick Yang, junior biology major.



*Scutellaria
barbata (SB)*



*Oldenlandia
diffusa (OD)*



in this research, Wong acquired two pairs of mice as a donation from Baylor College of Medicine in Texas.¹ Students and Wong bred the mice and fed them with extracts from the Chinese herbs *Scutellaria barbata* (SB) and *Oldenlandia diffusa* (OD). The mice, which have multiplied to approximately 40, are genetically engineered with the prostate cancer gene to normally start the cancer development process at 10 weeks old. Results showed tumor development in mice given the herbs to be considerably slower than in mice not fed the herb. The onset of cancer was delayed at least four to six weeks, which in humans would translate to seven or eight years.

Since these initial findings, Wong has worked to verify the results. He has been confirming his animal studies with specific dosages of the herb extracts and seeing higher corresponding proportional inhibition of cancer formation. Most recently, Wong has tested a dosage of 32 milligrams of the SB extract, which delayed the onset of cancer by seven weeks in mice.

"If a human could take an equivalent dosage, I believe it should work to delay the onset of cancer for a normal human being for a chemoprevention purpose," Wong said.

He is now confident of the data and is preparing a manuscript for the Cancer Epidemiology Biomarkers and Prevention Journal by the American Association of Cancer Research. He received an invitation in 2004 to write the paper; however, with full-time teaching responsibilities as a priority, completion of the paper has been put on hold.

Wong does not underestimate the value of teaching. More than 15 biology majors have gained valuable experience as temporary apprentices in his research. Erin Wisbey '01, Misty James Wehling '01, Brian Wehling '01, Arthur Pangemanan '01, Josh Holweger '01 Frankie Rose '02, Violet Onkoba '03, Hannah Wong '03, Peter McHenry '03, Nancy Rexinger '03, Heidi Erickson '03, Amy Shepherd McHenry '04, Joella Geary '04, Christina Smith Bridger '04, Alessandro Cavalcante '04 and Melinda McKenney '05 are among the Union graduates who had a hand in Wong's cancer prevention findings and other research. All have had their results accepted in peer-reviewed abstracts accompanied by oral or poster presentations. Currently, Rick Yang, biology major, continues the tradition as Wong's research assistant.

Research projects are a requirement for all B.S. biology majors in the Research III and IV classes. However, with only one credit for each class, much of the research is a result of the students' volunteer time and effort beyond the class requirement.

"Research significantly helps the students because they are not just running one experiment; they are working toward a bigger goal," Wong said. "They know the difficulty of research and learn the techniques: how to plan, how to follow up the data, how to interpret it, and finally how to put it into readable format."

Wong earned an undergraduate degree in education, biology and religion from Hong Kong Adventist College in 1981. In 1983, he earned a religion degree from Loma Linda University. He earned a Ph.D. in biology from Loma Linda in 1992. Wong then earned master's degrees in biology and administration and leadership from Loma Linda in 1995. Since then, Wong has worked as a guest lecturer at the University of the West Indies in Trinidad, professor of biology at Caribbean Union College, vice president for administration at Caribbean Union College,

¹ Union College complies with all National Institutes of Health (NIH) policies for humane treatment of animals. In addition, Union College maintains a three-person Animal Care Committee, led by a practicing veterinarian, with regular checkups for proper treatment of animals under the college's care.

and professor of biology at Union College since 1999. His publications include more than 20 peer-reviewed abstracts and poster presentations, many with assistance from students, more than 10 articles in peer-reviewed journals, and a variety of awards and honors.

After seven years at Union College, Wong will transfer to Pacific Union College this summer where he plans to continue his research as time and resources allow. He plans to take two pairs of mice for reproduction. While Wong's cancer research will likely not continue at Union when he leaves, new and exciting research opportunities are surfacing in the biology department.

Insight into heart disease

Sometimes in the world of science, an unexpected discovery can completely reshape a researcher's course. This was the experience for Dr. Veneracion G. Cabana, professor of biology, while studying immune responses at Rush Medical College in Chicago in 1983.

"I was isolating protein in the cold room [walk-in refrigerator] over night," Cabana said. "When I came back the next morning, I saw cloudiness and thought, 'Is this bacteria?' Then it dawned on me—fat! I did some tests to confirm, and viewing the results, I called out to everybody, 'Look, look!'"

Cabana had serendipitously discovered a decrease in good cholesterol, or high-density lipoproteins (HDL), due to the increase of a protein called serum amyloid A (SAA). This protein has since been recognized as one of the predictors of heart disease. Cabana's research shows that this protein increases more than 1,000-fold within 24 to 48 hours after the onset of infection or inflammation (see figure 1). This results in the decrease or disappearance of HDL (see figure 2), which means inflammation could be connected to atherosclerosis and heart disease. Serum amyloid A is also one of the proteins responsible for protein-folding diseases such as Alzheimer's, amyloidosis and mad cow disease.

This does not mean that SAA is completely negative for the body. "Why would the body produce it 1,000-fold within 24 hours? There has to be a purpose," Cabana said. Her research centers around finding that purpose.

Since her discovery 23 years ago, Cabana has been researching this subject at the University of Chicago. She came to Union College in 2003, and though Union's lab facilities are more limited, Cabana continues her research as time and resources allow.

During the summers and occasionally during semesters with lighter class loads, she works on her research at the University of Nebraska-Lincoln (UNL). Cabana originally requested a grant from UNL, but due to lack of resources on Union's campus, the university invited her instead to become a member of the research faculty at the Redox Biology Center. This center studies the effects of oxidation reduction in diseases such as Alzheimer's and autism.

On campus, Union's biology department recently purchased an ultracentrifuge, a powerful machine used to separate microscopic particles by spinning up to 70,000 revolutions per minute. In addition to generating data for Cabana's research, this machine allows Ben Thornton's developmental biology students to assist him in a portion of his dissertation research on campus (see description on page 27).

Jelena Mateljevic '05, Filipe Pereira and Greg Okimi, senior biology majors, and Heather Dickman, junior health sciences major, have recently conducted research under Cabana's supervision as part of their bachelor of science research requirements. In addition,

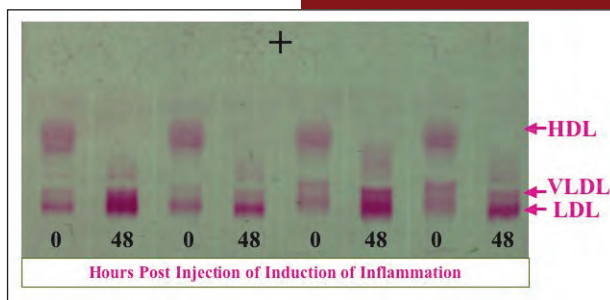


Dr. Veneracion Cabana (far right) has been researching lipoproteins and the causes of heart disease for more than 23 years. Now as a professor at Union College, Cabana's biology students have the opportunity to assist her in this research.

figure 1



figure 2





“My research with Dr. Wong was important preparation for my current role as a graduate student. It gave me practical laboratory skills, a sense of independent research and experience with the ups and downs of laboratory research. The small hands-on environment at Union and the caring Christian atmosphere provided me with the training I need to carry on my research education and eventually find ways to improve people’s lives.”

—**Amy Shepherd McHenry '04** assisted Wong with cancer prevention research as a biology major at Union. She is now studying infectious disease as a second-year graduate student at the University of Notre Dame with a focus on malaria. In the future, she plans to teach at a university and continue her malaria research.



“I really enjoyed the opportunity to do research side by side with people who frequently have papers published in the major scientific journals. Working at UNL for the summer helped me better understand where I want to go with my degree and how to better meet these goals. It also helped me appreciate the good education I have gained.”

— *Through the assistance and encouragement of Union College science faculty—Dr. Carrie Wolfe, Dr. Charles Freidline and Dr. Veneracion Cabana—***Rilla Westermeyer**, senior chemistry major, studied protein structures in the body as part of a summer research opportunity at the University of Nebraska-Lincoln, which fulfilled the research requirements of her major.

tion, Cabana assisted several students from her fall 2005 human physiology class on a project about the effect of sleep on muscle endurance. The students, including Christopher Wiles and Oscar Lucar, junior health science majors, presented their research at the Nebraska Academy of Science (NAS) annual meeting at Nebraska Wesleyan University in April 2006. NAS provided partial funding for their projects.

“Research helps students with critical thinking. In my Methods of Research Class, one thing I have emphasized is the ability to analyze and make conclusions from data, not just taking somebody’s word for it,” Cabana said. “And of course they get real experience with the excitement of research. Students will work until midnight if they have to because they are so excited about seeing the results.”

Cabana has seen that excitement in her own scientific findings as well as more personal discoveries. “I was working with all this background in lipoproteins and lifestyle,” Cabana said, “but I wasn’t paying attention to my own lifestyle—I wasn’t living the Adventist health message.”

One day about 15 years ago at an American Heart Association scientific session, Dr. William Castelli from Harvard University spoke about the effects of lifestyle on heart disease. Although not an Adventist himself, he used statistics from the Adventist health study conducted at Loma Linda University to show that a healthy lifestyle does make a difference.

“I thought, ‘Lord, help me. I am not part of those statistics.’ He had put me on the front-line, cutting edge of research about cholesterol and atherosclerosis, but I wasn’t paying attention to the health message until the Lord arrested my attention by a fellow scientist. All of a sudden, the taste for meat and everything else disappeared for me.”

Cabana has recognized the Lord’s leading in all areas of her life. “I didn’t know anything when I came to the United States, but the Lord was good. He led me to places where I could be exposed to research,” Cabana said.

She earned her undergraduate degree in 1964 from Philippine Union College (now Adventist University of the Philippines). After coming to the United States in 1968, Cabana earned a master’s degree in microbiology from the University of Illinois-Chicago (UIC) in 1972 and a Ph.D. in microbiology and immunology from UIC in 1980. From 1972-1975, she studied cholesterol at the University of Washington in one of the first lipoprotein centers established in the United States. She returned to Chicago in 1976 where she taught at UIC while completing her doctorate, then worked at Rush Medical College until her SAA protein discovery, when she transferred to the University of Chicago.

Cabana has been internationally recognized as a leading author in lipoprotein research with more than 25 peer-reviewed articles, five non-peer-reviewed articles, more than 50 abstracts and academic presentations, a chapter in *Biochemistry and Biology of Plasma Lipoproteins*, and a variety of grant awards.

In the future, Cabana would like to further study the molecular mechanisms of the disease process—why the SAA protein increases and why it affects the good cholesterol. “Atherosclerosis and its fatal consequence, heart disease, is the number one killer in the United States, and Alzheimer’s is also one of the most feared diseases,” Cabana said, “These are some of the main problems in [American] society, so the research can have a pretty huge impact.”

CAMPUS CONTRIBUTIONS

In addition to Union's more prominent scientific research, a wide spectrum of research activities and service projects carry on quietly to benefit society and the local community. The following division and faculty highlights provide a small sampling of these activities.

➤ Find the complete 2006 faculty awards list online: www.ucollege.edu/facultyawards2006.

BUSINESS AND COMPUTER SCIENCE Administrator evaluations

In fall 2005, Barry Forbes, associate professor of business, began a project in his Advanced Human Resources Management class to create evaluations for the administrators at Union College. The idea came from a general faculty and staff meeting in August when President David Smith shared his goal to implement a process for administrator evaluations. Creating the evaluations became a significant component of the two-semester class, which is taught by Kim Steiner, assistant professor of business, in the spring. The seven senior business administration majors in the class created questionnaires to be given to the administrators' boss, peers and subordinates. The questionnaires will go through final revisions and approval by President's Council before the evaluation process begins.



Computer software

As chair of Union's Administrative Software Evaluation (ASE) Committee, Lisa Forbes, assistant professor of accounting and finance, integrated her spring Auditing class into the information gathering process for the committee. Twelve students, mostly senior accounting majors, broke into groups of three to interview Union College Accounting office staff and document four major accounting systems: accounts payable, student accounts receivable, other accounts receivable and payroll personnel. The ASE Committee will incorporate the students' completed projects, which include a written report and flow chart, into their research as they continue the process to determine campus needs in a new computer software system.

Student tax assistance

For two years, students who have completed the fall individual taxation class are provided an opportunity to help immigrant and low-income taxpayers complete their tax returns as part of the government's Volunteer Income Tax Assistance (VITA) program. Arranged by Malcolm Gaskin, assistant professor of accounting, students meet with taxpayers at public locations in Lincoln (this year at Holmes Elementary School), interview them, and prepare their return.

"This program is a very direct way of using a class to help the community," Gaskin said. "It is also a great experience for students to see how their knowledge learned in the classroom is successfully used in society."

Summer Research Grants

For the last two years, Union College Academic Administration has awarded summer research grants of \$1,500 each to faculty who submit proposals for research in an academic area. The proposals are reviewed by a sub-committee of the LEAD (Lifetime Education and Active Discipleship) Committee, formerly known as the General Education Committee. Following the summer study, faculty present their results in a presentation on campus.

- February 2005: Larry Ray presented "Redesigning Precalculus for In-depth Understanding: an Experiment in Cooperative Learning."
- March 2005: Ken Hoppmann presented "Globalism, Gray Matter, and Groups: How One Assignment Made a World of Difference."
- March 2005: Michelle Velazquez Mesnard and Elizabeth Rodacker-Borgens presented "Multicultural Initiatives for the Future of Adventist Higher Education."
- March 2006: Joe Allision presented "Enhancing the Instructional Quality of a Freshmen Level Class."
- March 2006: Joann Herrington presented "Best Practices for Student Engagement."
- March 2006: Chris Blake presented "Searching for a Leadership Program to Love: What Does the Data Tell Us?"

"It was good to represent Union in the community. It was an opportunity to minister to people by using the talents God has given me for a good, needful purpose. It also helped me for the future by giving me some resume-building experience in my field."



— **Othnel Belford**, senior business administration major, helped local taxpayers on Monday nights for six consecutive weeks in January and February 2006 as part of the Volunteer Income Tax Assistance program.

FINE ARTS Photography

In March 2006, photography by Bruce Forbes, associate professor of art and graphic design, was accepted into the 21st annual five-state photography competition and exhibition in Hays, Kan. One photograph received an award. Forbes has previously been accepted into this juried exhibition in 2003 and 2004.



Persian music performances

Is Iran a friend of the United States? Would you like to visit Iran? These two questions open a Persian music presentation put on by Ken Hoppmann and Mahour Mellat Parast. For the past four years, Hoppmann, associate professor of music, has

partnered with Parast, an Iranian musician, to help raise cultural awareness for grade school students in Lincoln. Supported by a grant from the Nebraska Arts Council, Hoppmann and Parast visit fifth grade classrooms, primarily in public schools, and begin their presentation with a short test measuring the students' knowledge about the Middle East. Following the test, Parast talks about the Persian culture and musical traditions, explaining his instrument, the tar, as the traditional string instrument of Persia. Hoppmann and Parast then perform pieces that combine western music with Persian traditions.



"Right now we are fighting a lot of negative perceptions because of the war," Hoppmann said. "After the presentation

CAMPUS MINISTRIES Religious beliefs survey

How strongly do Union College students feel about their basic Christian beliefs? Rich Carlson, Union College chaplain, wondered this after seeing the results from a national survey by The Barna Group on religious beliefs among a random sampling of Christian denominations.

According to the 2000-2001 survey, Adventists ranked average to low on their agreement with statements about basic Christian beliefs, such as "Jesus Christ lived a sinless life." These results were gathered from a sampling of 89 Adventists. For complete information on this survey, visit www.barna.org.

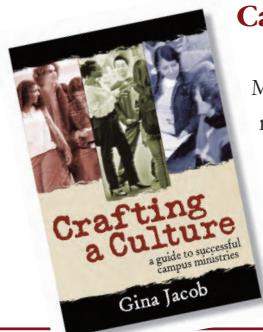
Carlson decided to compare these results with the responses of Union College students. In February 2006, he distributed surveys with questions identical to the Barna survey in Union College classrooms. Teachers administered the surveys in their classes and received 374 completed surveys out of 500 distributed. The responses contrasted greatly with Barna's national results.

"The disparity between results reconfirms to me the quality of students we have at Union College and their commitment to the basic beliefs of Christianity," Carlson said.

Survey Question	Barna % strongly agree	Union % strongly agree
1. The Bible is totally accurate in all that it teaches.	64	69 (92)*
2. I have an obligation to share my religious faith with those who believe differently.**	42	28 (60)
3. Religious faith is important.	73	75 (91)
4. Satan, or the devil, is a real being who can influence people's lives.	37	84 (95)
5. Good works cannot earn a person salvation. Salvation is a gift from God through the atoning death of Jesus Christ.	32	80 (92)
6. Jesus Christ lived a sinless life during his three decades on this earth.	45	88 (94)
7. God is the all-powerful, all-knowing, perfect creator of the universe who still rules the world today.	76	90 (97)
8. I am absolutely committed to Christianity.	53	60 (85)
Strongly agree = 5 on a 5-point scale		

*The number in parentheses indicates the percent of Union students who either agreed or strongly agreed (4 or 5 on a 5-point scale).

**Union's Campus Ministries office feels that while Union students are passionate about sharing their Christian faith, many are hesitant to impose their specific doctrinal beliefs on others. The survey makes no distinction in these two types of witnessing, which may help explain the lower levels of agreement.



Campus ministries manual

In May 2003, Gina Jacob '03 began a two-year, grant-funded internship in Union's Campus Ministries department with the goal of researching and producing a manual for effective campus ministry leadership on college campuses. Jacob traveled to all North American Division Adventist colleges and universities, researching the trends, needs and current methods for creating a positive and empowering spiritual environment for students. The research has culminated in the book *Crafting a Culture: A Guide to Successful Campus Ministries*, published by AdventSource in March 2006. www.adventsource.org (For the full story, read *CORDmagazine* online: www.ucollege.edu/cordmagazine/ministrybook.)

we ask the same two questions, and we've seen an overwhelming change for the positive."

Hoppmann and Parast presented their findings at the Pan-Pacific Business Association conference in Anchorage, Alaska, in May 2004. They are currently applying for additional funding to continue their project.

Parast also performs each year in Hoppmann's Traditional and World Music class.



Hummingbird paintings

Watercolor hummingbird paintings by Jim McClelland, professor of art, were used as illustrations for *The Hummingbirds of North America*, Smithsonian Institute Press, by Paul Johnsgard, professor of Ornithology at the University of Nebraska-Lincoln.

In February 2005, McClelland won the Outstanding Achievement in the Arts award sponsored by the Adventist Alumni Achievement Awards Foundation. The award is

accompanied by \$5,000 for an Adventist school, which McClelland designated for Union College.

CD releases

Ryan Wells, professor of music, released his third piano album, *An Afternoon Concert*, in December 2005. He has released two previous albums: *Night Songs* (2004) and *Shades of Enchantment* (1995). Rudy Dennis, associate professor of music, and Bruce Forbes, associate professor of art and graphic design, both assisted in the production of Wells' albums.

HEALTH SCIENCES

Cultural competency survey

As physician assistant students enter and exit the PA program, they take a survey measuring their knowledge, skills and awareness in cultural sensitivity. The survey was taken from the Multicultural Awareness-Knowledge-Skills Survey (MAKSS), a well-established survey for mental health professionals, and tailored for physician assistants by Union faculty (with the author's permission). Results show that while in the PA program, the students' knowledge and skills increase significantly. However, perceived awareness has not increased significantly and even showed a decrease one year.

"Our explanation for these results has been that as we become more knowledgeable and skilled at cultural competencies, we are more aware of our inadequacies," said Michael Huckabee, director of the physician assistant program.

An article titled, "The Impact of Education and Experience on Physician Assistant Students' Perception of Cultural Awareness, Knowledge and Skills" by Janella Abbey, former research assistant for the PA program and current administrative assistant for Academic Administration, was published in the *Journal of Allied Health* in March 2006.

Deployment research project

Through the support of a federal grant, the physician assistant program is studying factors in students' choice of employment after graduation, particularly when choosing to work in underserved communities. After surveying the graduates to determine what factors they identify as important, program faculty review the graduates' cultural competency scores and experiences with underserved populations while at Union.

"We hope to find correlations between the experiences students have at Union and graduates' decisions to seek employment in underserved communities," Huckabee said. "We believe this could be of high interest, especially if we determine there are factors that can be influenced by the educational system that lead to greater commitment to serving the underserved."

Community outreach events

Students in the physician assistant program regularly give lectures in public high schools on sexual health and responsibility; two high schools have invited the students to their health classes on a quarterly basis. PA students presented at College View Academy chapel services each Friday in February on abstinence, STDs, peer and media pressure, and healthy relationships. In addition, PA students give an average of 15-20 presentations a year in grade schools on growth and development.

PA students assisted with employee health screening programs at Lincoln businesses, including Duncan Aviation and Lincoln Plating in the 2005-2006 school year. They provided blood pressure screenings at a local Walgreens and Russ's Market in October 2005, and on occasion, they provide more elaborate screenings including blood pressure, cholesterol, blood sugars and health risks.

Institutional Research and Assessment

Most people familiar with Union's administration building easily recognize the fifth floor window with Kenna Lee Carlson's helpful smile as the place to finalize graduation requirements or obtain transcripts. The Records office, however, shares locations with the office of Institutional Research and Assessment, both directed by Osa Berg. This less visible but significant function is responsible for compiling a variety of information each year for the benefit of administration, campus committees, current students, prospective students and other constituencies. A sample of this research includes:

- Yearly survey of current students rotating between the National Survey of Student Engagement, which measures what students want out of college and how they spend their time in college, and the Noel Levitz Student Satisfaction Survey, which measures the importance of various aspects of college life and how well Union meets those expectations.
- Enrollment projections and trends.
- Development of retention, graduation and placement rates.
- Development and analysis of cost effectiveness data by division and program.
- Annual division reviews with report from division chairs.
- Complete program review for each discipline every five years.

Foot clinics

The health sciences division continues to impact the community and surrounding towns by providing free foot clinics. This January, Charlotte Schober, associate professor of nursing, Kelli Wehling, contract nursing teacher, and eight students from the Community Health Nursing class conducted a foot clinic for clients at the Senior Center in Palmyra, Neb. Physician assistant students join nursing students throughout the year for additional foot clinics, including a back-to-school foot care special event for youth through the Matt Talbot Kitchen.



Global research

Students in the international rescue and relief (IRR) program are expanding their worldview through a variety of class and service projects. In Seminar in International Service, students learn about international service and global ministry opportunities. Part of this training involves a research project and class presentation on a country of each student's choosing. Doug Tallman, IRR program associate director, taught the class for the first time last semester with 11 junior and senior IRR majors.



HUMAN DEVELOPMENT

Publications and presentations

Joann Herrington, associate professor of education, has recently published and presented various research topics. She published "Ministry to the Midwest: History of the Central States Conference" about the beginnings of Adventist evangelism in Midwest African-American communities in the February 2006 issue of *Outlook*. Herrington also published "Building Literacy Through Home/School Partnerships" in the 2005 April/May edition of *Adventist Journal of Education* on how home/school connections benefit student literacy. In addition, she presented a day-long workshop on the topic of teacher professionalism to Kansas-Nebraska teachers in February 2006.

"I did quite a bit of research into what qualities or criteria are considered to be 'professional' and found that by many of the standard definitions, teachers are not considered to be professionals," Herrington said. "I decided to make the case for what *does* make teaching worthy of being called a profession, and what we as teachers can do to make the public aware."

First Book

The Division of Human Development continues to serve the community through its participation with First Book, a national nonprofit literacy program providing books to low-income children. Union started a First Book Campus Advisory Board in 2004. Comprised of Union College students, the board is responsible for raising funds and choosing appropriate organizations through which to distribute the books. Senior elementary education majors Megan Jones and Emily Eskildsen worked with Herrington this year to write grant proposals, from which they received a \$500 Borders gift certificate and a \$500 Verizon Youth Service Grant with a matching \$500 from NFL Charities. These donations were presented to local elementary schools.



"Learning about other cultures and people is one of my favorite things to do. The project opened the door for me to become friends with an Ethiopian woman from work. Interacting with her makes me aware of my faulty beliefs and judgments I have made in ignorance. We are all so much more alike than we think. I hope I will continue to see the diversity in the world as a challenge to learn and grow."

— **Leslie de Fluiter** is a senior nursing, religion and international rescue and relief major. With the help of an Ethiopian woman with whom she works at Saint Elizabeth Regional Medical Center, de Fluiter researched and presented a report on the country of Ethiopia for Doug Tallman's Seminar in International Service class.



"A child's success in the classroom and in life is determined in a large part by how well he or she can read. First Book exposes kids to literacy, and literacy means hope. Writing the grant proposals [with Joann Herrington] has given me experience for future interaction with nonprofit organizations. I hope to impact the children where I will teach in the same way the children of Lincoln will be helped by First Book."

— **Emily Eskildsen**, senior elementary education major, helps provide books to low-income children through her involvement with First Book Union College.



Social work student applies leadership skills

"Teachers at Union College really believe in their students," said Sheritha Smittick, junior social work major. "They put you in leadership positions and trust that you can do it."

Last semester, Smittick's leadership training was put to the test while serving as project coordinator for the "Walk a Mile" program.

During her internship with Nebraska Appleseed, Smittick paired seven people from low-income backgrounds with seven policy makers from across Nebraska—including Lincoln Mayor Coleen J. Seng.

"Sheritha had a lot of energy and passion for what she was doing," said Becky Gould, Nebraska Appleseed welfare due process project staff attorney.

The "Walk a Mile" program in Nebraska was originally started in 2003 by James Goddard '04, a Union College student and Nebraska Appleseed intern. For a month, the "Walk a Mile" pairs are asked to talk on the phone once a week and participate in two activities together. Examples of possible activities include going to the food bank or welfare office, attending a public hearing or visiting the legislature.

"We've been placing students at Nebraska Appleseed as interns for five or six years," said Bruce Schlieder, social work associate professor and director of field education. "Union College students are known for their focus, dedication, productivity and good client skills."

Smittick said Union College provided her the essential training in critical thinking, application and creativity to get the job done. "Those basic skills made the transition to work in the real world easier," said Smittick.

Union College requires social work students to have two years of internship, instead of the traditional one year expected at other colleges. "Two years of internship expose students to multiple work environments early on," said Schlieder. "And students' coursework comes alive. They understand the big picture so much better." ~BD

HUMANITIES

Short story publication

In 2004, Chris Blake, associate professor of English, published a short story entitled, "The Most Mature Thing I've Ever Seen" in *Wings Activity Book 9*, a Swedish anthology published by Almqvist & Wiksell. The story appeared between pieces by American poet Langston Hughes and A.A. Milne of *Winnie the Pooh* fame. Blake's short story about breaking down barriers in a clique-filled high school was previously published in *Chicken Soup for the Teenage Soul* (1997) and *Insight* magazine (1987).

Women's Commission

As a member of the Lincoln-Lancaster County Women's Commission (LLWC), Elizabeth Rodacker-Borgens, associate

professor of English as a Second Language (ESL), presented "A Place At The Table," in August 2004 at Oxford University in England. The research presented statistical data on the percentage of females in prominent positions in the Lincoln-Lancaster County area.

Along with Chris Blake and Mark Robison, associate professor of English, Rodacker-

Borgens nominated Kate Simmons, senior communication major, for the Sojourner Truth award. The award is given by the Women's Commission to a woman between 14-40 years old who works to improve the quality of life for women in Lincoln or Lancaster County. Simmons received the award at the LLWC International Women's Day Luncheon on March 10.



RELIGION

Mark and New Testament research

Tom Shepherd, professor of religion, is active in New Testament research, particularly focusing on the *Gospel of Mark*—the subject of his doctoral dissertation. In the early 90s, Shepherd noticed at the Society of Biblical Literature meetings that no group was discussing the book of Mark. He wrote a proposal that resulted in the Mark Group for the Society of Biblical Literature, of which Shepherd is chair. This involvement has influenced Shepherd to continue focusing on Mark for his professional activities. A sample of these include:

- New Testament coordinator for an upcoming book on hermeneutics due to be published in 2007 by the Biblical Research Institute (BRI) of the General Conference.
- Author of a chapter titled "Interpretation of Biblical Types, Parables, and Allegories" in *Understanding Scripture: An Advent Approach*, published in 2005 by the Biblical Research Institute (edited by George W. Reid).
- Editor of an upcoming edition of *Biblical Interpretation*, a journal dealing with the Temple Theme in the *Gospel of Mark*.
- In fall 2006, Shepherd will teach the narrative analysis methodology he uses extensively in his Mark research for a Union Scholars course on the *Gospel of Mark*.

Creation radio talks

John Kurlinski, associate professor of religion, is co-host for "Sink the Beagle," a light-hearted radio program addressing issues of evolution and creation. The program, which originated on KTSY in Idaho approximately six years ago, has now been on the air twice weekly for nearly five years at LifeTalk Radio, a Christian radio network with nationwide coverage. Kurlinski co-hosts the show with Stan Hudson in Spokane, Wash.

Creation issues were the focus of Kurlinski's doctoral research—making the complex more simple. "My goal is to help believers know that if they have faith in a short age for life, they are not naïve or ignorant," Kurlinski said. "We believe there is enough evidence from the Scriptures and science to have faith in the Genesis account. Does it answer all questions and solve all problems? No. But neither does science. In fact it takes greater faith to believe modern science's origin stories."



“Cooperative learning is a very useful skill that isn’t taught or used a lot in most math classrooms. Being able to have a part in such an experience really enriched my education. I used some cooperative learning activities during my student teaching last fall and plan to use it even more in the future.”

— **Michelle Weikum**, senior math education major, assisted Dr. Larry Ray at the National Council of Teachers of Mathematics conference in April 2005. She was the teacher’s assistant in Ray’s Precalculus class, which experimented with cooperative learning techniques.

SCIENCE AND MATHEMATICS

Dissertation research assistance

Students in the spring 2006 Developmental Biology class are assisting Ben Thornton, assistant professor of biology, with a portion of his dissertation research.

The students, four senior biology majors, are looking for induction of the P450 gene, which helps detoxify exogenous compounds, after exposing drosophila (fruit flies) to Atrazine. A common herbicide in the Midwest, Atrazine has been linked to the formation of testicular oocytes in frogs (testes and ovaries within in the same frog) and mammary tumor formations.

The students expose the fruit flies and prepare microsomes for activity analysis using an ultracentrifuge. Thornton then takes the microsomes to UNL for analysis.

“I want to know which genes are being induced or suppressed by Atrazine and what their protein products are, thus determining which biochemical pathways in the body may be affected by exposure to this commonly used herbicide in the Midwest,” Thornton said.

Math educators research

For the 2003-2004 and 2004-2005 academic years, the math department researched ways to better prepare secondary mathematics teachers through a grant from the National Science Foundation. All four of Union’s math teachers, Larry Ray, Patricia Anderson, Lowell Hagele and Keith Riese, have participated in this project. Ray attended the Preparing Mathematicians to Educate Teachers (PMET) summer workshops in New York in 2003 and 2004.



“Any and all research is helpful in preparing for a future in science or medicine. It looks great on a CV and supplies the groundwork for more serious research in graduate school.”

— While a student at Union, **Erin Wisbey ’01** tested the mutagenic/carcinogenic properties of a nearby lake with Wong. She graduated from Loma Linda University in 2005 and now works as a resident physician in obstetrics and gynecology.



“Working with Dr. Wong prepared me well for research in a graduate school setting. Experiments rarely work out the way they are supposed to the first time or even the second time. I learned a lot about patience and perseverance during my project, characteristics that I have continued to develop in my career in science. I also appreciated Dr. Wong’s interest in and concern for his students. He is there to help his students succeed, and in this respect he has also influenced the way that I teach.”

— After earning a master’s degree from the University of Nebraska-Lincoln, **Misty Jones Webling ’01** worked as a researcher at the University of Washington. She now teaches anatomy and physiology and microbiology at Black Hawk College in Illinois. While at Union, Webling worked with Wong to test water in Holmes Lake for the presence of *E. coli* and potential mutagens.



As a result, Union’s math faculty hosted a math education workshop in summer 2004 for Mid-America Union (MAU) academy math teachers to collaboratively improve math education in Mid-America. Ray put on another workshop in April 2005 for MAU academy math teachers in conjunction with the Annual Meeting of the National Council of Teachers of Mathematics in Anaheim, Calif. Two senior math education students, Allison Christenson and Michelle Weikum, assisted Ray in this workshop.

The project has also led to revision of the curriculum for the math education major and a trial of cooperative learning strategies in Ray’s Precalculus class. **A**



Finding Allergy Answers

Pediatrician follows path of research to Harvard Medical School

by Lauren Bongard Schwarz '03

Transitioning from being a big fish in a small pond to a small fish in a big pond is a challenging experience for most of us. When Wanda Phipatanakul graduated from Union in 1990 with a degree in pre-medicine, it was more like a minnow being thrown into the ocean. For Phipatanakul, the transition took patience, organization and time management, the same skills she employs daily in her research.

Phipatanakul, a board-certified pediatric allergist and immunologist, juggles a full work schedule. An assistant professor of pediatrics, she is full time faculty at Harvard Medical School, where she oversees fellows training for allergy specializations, teaches medical students, presents lectures, helps teach Boston-area pediatric residents about allergies and asthma, participates in committees and completes administrative tasks. As part of her dual appointment, Phipatanakul also spends two half-days a week seeing patients as an attending physician at Boston Children's Hospital.

She was immersed in Adventist education from childhood through medical school, when she achieved the highest levels of education available. After a year-long internship at Loma Linda University, Phipatanakul completed her residency at Children's Hospital of Los Angeles and then moved to a fellowship at Johns Hopkins University in Baltimore. When her fellowship ended, Phipatanakul accepted a job at Harvard Medical School in Boston.

"It was a big change coming from a small-town school and ending up in a big place like this," says Phipatanakul.

It was during her three-year fellowship at Johns Hopkins

that Phipatanakul set her focus on allergies and asthma through guidance from her mentor. "I became excited about research and began to develop a career based on a focused path of things I was becoming an expert on," says Phipatanakul. "Prior to my fellowship, I was mostly clinical, learning how to take care of patients, but I really learned a lot from my fellowship and carried that on as I joined the faculty here at Harvard."

Even as a child, Phipatanakul knew she wanted to be a doctor. Both her parents are physicians, and she grew up in a home devoted to caring for others. "I was pre-med from day one at Union," says Phipatanakul. "It's in my family. I didn't ever really want to do anything else—I wanted to help people."

Now that she's graduated to research work, Phipatanakul takes pride in providing relief for an ever-increasing number of individuals. "I feel it can be helpful for society to really understand disease processes," she says.

Currently in the middle of a five-year National Institutes of Health grant, studying the risk factors of mouse allergen on the development of childhood asthma, about 80 percent of Phipatanakul's time is devoted to clinical research and other grant-related endeavors.

Most of Phipatanakul's research experience has focused on the role of indoor allergens, such as pets and dust and their relation to asthma, allergies and allergy-related diseases. The mouse allergen study started in homes and has recently branched to pilot work in schools. Mouse allergen has been shown to be present in both urban and suburban dwellings,

and Phipatanakul is concerned about exposure away from home. For children who spend the majority of their day in a classroom, mouse allergen at school may be a significant factor in developing and worsening asthma or allergies.

Phipatanakul's new research in schools is encouraging in its scope. According to Phipatanakul, while most home-based efforts impact one or two children, school-wide attention to and intervention in allergy and asthma risk factors can help many children avoid illness or diminish pre-existing symptoms.

Clinical research, Phipatanakul's main endeavor, is less white-jacket-and-microscope and more interviewing, talking and examining. She spends a lot of time in the field, initially meeting with superintendents, teachers and school nurses to gain needed support to complete her inquiry, and later working primarily with children during the study. Phipatanakul gathers statistics in the form of questionnaires, lung function and allergy tests and dust sampling then submits the samples for analysis. When the data returns, Phipatanakul analyzes the findings to see how well her hypothesis checks out. Phipatanakul regularly shares her findings with colleagues by publishing in medical journals.

From computer work and e-mail to creating articles, grant proposals and textbook chapters, writing, reading and typing factor in to many of Phipatanakul's tasks. Although they sound mundane when compared to the importance of her research, Phipatanakul cites these hallmarks of a liberal arts education among the most important skills she picked up in high school and at Union College.

Throughout her career, Phipatanakul has published approximately 25 papers, including a recent (2004) study showing that infants exposed to large amounts of dust-borne bacteria, known as endotoxin, were less likely to develop eczema, a common childhood affliction.

Phipatanakul also serves as a chair for the Indoor Allergen Committee at the American Academy of Allergy, Asthma and Immunology, the national allergists organization. The committee is aligned with her research focus of improving awareness of and focus on indoor allergens and their relationship to asthma and allergies, and is currently creating physicians' papers on mold allergies and asthma morbidity.

However busy and prestigious her career, Phipatanakul still counts her family as her number one achievement. She met her husband, a wills, trusts and estate attorney, in 2000 after transferring to Boston from Baltimore. The couple welcomed their daughter in 2004 and are eagerly anticipating the birth of a son this summer.

"It's been a long road of education and schooling, and a lot of highlights for me have come very recently," says Phipatanakul. "There are always goals to aim for, but it's not all about career. I'm a family person, balancing my career and home life." **A**



Wanda Phipatanakul and her husband, Dani Ruran, with daughter, Hana

Environmental allergy controls

Allergy sufferers may find relief by taking additional measures to control the source of allergens in their homes.

Dust mites

Warm, moist areas such as bedding, carpets and upholstery attract dust mites.

- Cover mattresses, box springs and pillows in mite-proof encasings with pores less than 10 microns.
- Wash bed linens weekly at 130-degrees. Avoid throw pillows and other hard-to-wash bedding.
- Run stuffed animals through the dryer on high heat for 30 minutes every other week
- Remove upholstered furniture and carpeting from bed rooms or vacuum twice a week (allergic family members should not vacuum); avoid sitting on carpet.
- Avoid humidifiers.

Animal allergens

Find a good home for pets that cause allergies. If removing the pet is impossible:

- Restrict pets from bedrooms and use bed encasings with pores of six microns or less.
- Purchase a HEPA air cleaner.
- Keep pets clean—bathe at least twice a month and frequently wipe down with damp towels to remove dander.
- After visiting a home with animals, immediately bathe, shampoo hair and wash clothes.
- Beware of unexpected exposure from horse or hog hair mattresses, furniture, carpet padding or horse hair plaster in older homes.

Cockroach and mouse control

- Routinely exterminate pests.
- Clean thoroughly.
- Prevent pests from returning by patching cracks and holes in walls, flooring and piping.
- Limit food to two rooms and make sure the kitchen is as clean as possible.

Mold control

- Humidity encourages mold growth; keep homes, including basements and bathrooms, dry. Clean areas prone to mold; watch for moisture.
- Thoroughly clean or remove carpets and upholsteries in basements and bathrooms; remove musty-smelling items.
- Avoid humidifiers or clean them daily. Keep humidity at less than 50 percent.

Pollen control

Plants release pollen from spring through the first frost. To control pollen entering your home:

- Close doors and windows during pollen season.
- Cool your home with air conditioners; remove pollen particles with a HEPA filter.
- Allergic people should bathe and wash their hair thoroughly at bedtime to prevent pollen-contaminated bed linens.

Cigarette smoke, aerosol sprays, perfumes, powders, fragrant cleaning materials, paint, solvents, glues and adhesives may aggravate allergies and asthma.

Keep in Touch

CORD magazine wants to hear from you. You have told us this is your favorite section. Now tell us where you are, what you're doing, or just send greetings.

Direct your letters to:
Class-ifieds
Alumni Office
Union College
3800 South 48th Street
Lincoln, NE 68506
e-mail: alumni@ucollege.edu
make changes online at
www.ucollege.edu/cordmagazine

'67 denotes graduation year
(67) denotes last year attended
or preferred class year

1930s_{3 0 s}

Walter Foreman '33 worked on his first double acrostic puzzle at Union College back in the 1930s. There was a gathering in the office of Professor Thomas Little which included Walter's wife-to-be, Clayoma Engel and himself among many others. He still enjoys double acrostic puzzles because they "exercise my nonagenarian brain" and bring back fond memories of Union College.

1940s_{4 0 s}

Del Parkins Watson Saldecke '48 lives in Yucaipa, Calif., and attended the Union College Loma Linda area chapter meeting. She was inducted into Southwestern Adventist University's Hall of Fame in 2003.

1950s_{5 0 s}

Dick Wilmot '52 lives in Grand Terrace, Calif., with his wife, **Naomi Schwab Wilmot ('49)**. They're enjoying retirement and the fel-

lowship of many friends—some from Union College. Dick looks forward to the Second Coming, but will keep swinging the golf clubs until then.

G Mackson-Hemphill '53 lives in Loma Linda, Calif. She received a golden cord for going to Tanganyika, East Africa. In 1991-92, she went to the People's Republic of China. She is now retired.

Roger Heinrich '56 lives in Colton, Calif. His first wife, **Evelyn Preston Heinrich ('56)**, passed away in March 2005. He married Jeanne Anderson Weikum in July 2005. He returned to Union College to celebrate his 50-year reunion in April.

Duane '57 and **Kathy George Huey ('47)** live in Portland, Ore. Duane is still working as a part-time staff auditor for the Oregon Conference. Kathy enjoys caring for their granddaughter one or two days a week.

Maxine Reed Duncan '59 lives in Apple Valley, Calif. She is the librarian at Barstow Junior High School. She plans to retire at the end of the 2005-2006 school year.

1960s_{6 0 s}

Kenneth '66 and **Ella Jean Shable Albertsen '66** live in Scottsdale, Ariz. Ken has taught for 40 years now and says, "Thank you, Union College, for preparing me to teach. I have loved the 'trip.' You had the best teachers." Ella Jean is the librarian at Cactus Shadows High School. She writes, "Life is good."

Kermit '67 and **Ronnalee Olson Netteburg '68** live in Silver Spring, Md. Kermit is now on the pastoral staff at Sligo Church in Takoma Park, Md. Ronnalee teaches nursing at Columbia Union College.

Rich Reiner '69 has been named president/CEO of the Multi-State Division of Adventist Health System. In this capacity, he will provide leadership to the hospitals in Georgia, Kentucky, Tennessee, North Carolina, Illinois, Wisconsin, Kansas, Colorado and Texas. Rich joined Florida Hospital and Adventist Health System in 1985 with an extensive background in finance and human resources. Prior to this appointment, Rich served as executive vice president of the Florida Division and Florida Hospital and president/CEO of the Rocky Mountain Region of Adventist Health System. He looks forward to the opportunity to work with the strong leadership teams and staffs in these hospitals.

1970s_{7 0 s}

Naomi Modeste '71 lives in Colton, Calif. She is a professor at Loma Linda University School of Public Health. In addition to teaching, she's the chairman of the Health Education Department. She's been at the university for the last 15 years. A golden cord was hung for her after returning to Trinidad and Tobago, where she served for several years.

1980s_{8 0 s}

Jackie Ordelleide Smith '84 and her husband, Bobby, are proud to announce the arrival of Dillon Daneel and Dawson Bakrom. They were born on Sept. 27, 2003, in Novosibirsk, Russia, and joined Jackie and Bobby on Dec. 20, 2005.



Dillon and Dawson Smith

Susan LaFever '86, hornist, appeared live in performance at the U.S. Open Women's Final on Sept. 10, 2005, on CBS. Song of Solomon, a youth gospel choir from Harlem, and the Water's Edge Brass Quintet, of which Susan is a member, backed up Il Divo, a pop-opera male vocal quartet, and Edina Menzel, the star of Broadway's *Wicked*. Center court was the focus of the musical and visual extravaganza that was broadcast worldwide with several shots of the hornist and the majestic sound of brass.



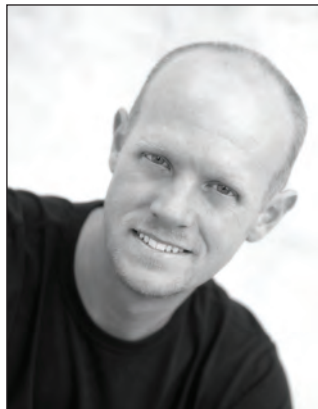
Susan LaFever

1990s_{9 0 s}

Todd Hoyt '93 was hired as marketing and media relations director for Monument Graphics and Communications in Grand Junction, Colo. Todd's responsibilities include working with clients and their public relations, marketing and advertising needs for the local advertising agency. Todd enjoys time with his dog,

PEOPLE PLACEMENTS

Miles, living and promoting a healthy lifestyle and staying connected to his community and Union College classmates.



Todd Hoyt

Byard Parks '93 lives and works in Turkey with his wife, Ania, and children, Samuel Miracle and Elijah Watchman. Byard is an internationally sought after motivational speaker and trainer. Currently, he's pursuing entrepreneurial interests in the region of ancient Asia Minor in the footsteps of the apostle Paul. Students looking for adventure and learning in a Muslim context are welcome to join his foreign exchange student program.

Bryan '97 and Jennie Whittle Nickell '95 are delighted to announce the birth of their third little girl. Gabrielle Sage was born on March 16, 2005. Gabrielle joins her big sisters, 7-year old Kalesta and 5-year old Brooklyn. Bryan is a dentist in Springboro, Ohio, and Jennie enjoys being a work-at-home



Gabrielle, Brooklyn and Kalesta Nickell

mom and home educator. **Jennifer Hall '98** and James Teh were married Aug. 21, 2005, in Glendale, Calif. Jennifer is an event planner for LH International Promotionz and James is a deputy district attorney for San Diego County.

2000s o o s

Seth Pierce '03 lives in Berrien Springs, Mich. He recently had his first book published, entitled, *Pride and Seek*. It was published through Review and Herald and is available at the ABC. He and his wife, **Angela Mathews Pierce '03**, have moved to Andrews to work on masters' degrees. He is working toward a master's in divinity while Angela is pursuing a master's in special education. They both miss Union even more now that they are at another school, and they look forward to returning to the Kansas-Nebraska Conference in a couple years.

Karen Prera Campbell '03 and her husband, **LeeJae '03**, live in Lincoln, Neb. Their son David was joined by a new brother, Jesse Jonathan, on May 20, 2005.



David and Jesse Campbell

Kenneth '04 and Jessica Casebolt Scharffenberg '04 were married on Oct. 9, 2005, in Lincoln, Neb. Their minister was Joe Martin from Loveland, Colo. Martin was their director and friend from working as literature evangelists during four summers. Kenneth and Jessica met while attending Union College and worked together for four summers. They started dating and fell in love their senior year.



Kenneth and Jessica Scharffenberg

Darin '05 and Stephanie Detlor Gottfried '04 were married in Monument, Colo., on June 12, 2005. They moved to Fletcher, N.C., where Darin is an accountant at Park Ridge Hospital. Stephanie is the administrative coordinator at Fletcher Academy.

People Placements

Scott Cushman '03 became Union's assistant director of public relations and assistant editor of *CORDmagazine*. Cushman previously worked as an adjunct instructor of English at Union and an ESL instructor at Southeast Community College. He graduated from Union with a bachelor's in English, history

and social science and is currently finishing his master's in composition and rhetoric at the University of Nebraska-Lincoln.

Kate Flowers '04 joined Union as mailroom assistant. Flowers graduated from Union with a bachelor's in studio art and a minor in graphic design and has previously worked as a marketing assistant. Her husband, **Shane '03**, works at Union in Information Systems.

Lisa Bednar Forbes ('81) joined the Advancement staff as capital campaign assistant. Previously, she worked as director of student accounts at Union. Forbes is attending Doane College and plans to graduate with a business management degree in December 2006. She is married to **Bruce '86**, associate professor in fine arts.

Matthew Fredregill joined Plant Services as an electrician. He earned a degree in electrical technology from Southeast Community College in 2005. He married **Megan Bartzatt '06** on June 18. Megan graduated in May with a degree in nursing.

Nancy McBride joined Enrollment and Student Financial Services as student financial advisor. Nancy previously worked in the Division of Business and Computer Science as office manager.

Nicole Onjukka Meharry '04 joined Union as annual giving director in the Advancement office. She graduated from Union with a bachelor's in English with an emphasis in writing and speaking. Nicole and her husband, **Zeb Meharry '03**, previously lived in Farmington, N.M.

IN MEMORY

IN MEMORY

Death dates and/or obituaries have been received for the following individuals.

Marybelle Huffman Owen '28, Keene, Texas, died Nov. 16, 2005, at age 99. She was a retired English teacher and girls' dean. She taught at Platte Valley, Enterprise, Plainview and Broadview academies. She is survived by her son, **Elwyn Owen '72** and daughter, Dina Schwartz; **grandchildren, Teresa Couch '95**, Mark Owen, Tim Owen, Mindy Owen, Sheree Schwartz and Terra Schwartz; great grandchild, Ryler Couch. She was preceded in death by her husband, **Avalo Owen '28** in 1990.

Byron Miller ('36), Bakersfield, Calif., died Nov. 18, 2005, at age 91. He is survived by his wife, Jean, and son, Brad. His daughter, Carol Flory, preceded him in death. Byron was a dentist in Sacramento, Calif., for 40 years.

Willacine Jacobs Dick ('42), La Harpe, Kan., died Oct. 29, 2005. She is survived by her husband, **Elwin Dick ('41)**.

Naomi Pullen Hagenberg ('43), Green Bay, Wis., died July 20, 2005, at age 87. Naomi worked as a secretary and business owner. She is survived by her daughters, Eunice Saunders and Eilene Garcia. She was preceded in death by her husband of 53 years, **Charles '44**.

L. Burton Parker ('44), Longwood, Fla., died Dec. 2004. He is survived by his wife, **Rolleen Betts Parker '47**.

Gladys Erickson Daarud ('46), Boulder, Colo., died Dec. 8, 2005. Gladys was a

medical secretary for four years, a homemaker for 57 years and a member of the National Auxiliary at Loma Linda University. She enjoyed rock hunting, bird watching, animals, camping, attending church and spending time with her family, especially her grandchildren. She is survived by her husband, **Richard '49**; children: **Scott '76**, **Steven '78** and **Cheryl Boulais '85**; and six grandchildren.

George Falbisaner '46, Long Beach, Calif., died Aug. 30, 2005. He is survived by his wife, **Betty Bruntzel Falbisaner ('44)**.

Janice Flyger Allen '49, El Dorado, Calif., died Sept. 25, 2005. Janice worked for the youth department at the Michigan Conference of Seventh-day Adventists for a short time before teaching elementary school for nearly three decades. After retiring, they moved to Placerville, Calif., where they spent some of the happiest, most relaxed years of their lives. Jan had a great love for baking, Rook parties, chocolate, reading, shopping, playing the piano and keeping in touch with friends. She enjoyed spending time with her two granddaughters, Erin and Cecily. Janice is survived by her son, Chuck and her daughter, Teryl. She was preceded in death by her husband, Jerry.

Robert "Bob" Bell '49, Fort Worth, Texas, died Nov. 6, 2005, at age 78. Bob served in the U.S. Army during the Korean War, did graduate work at Stanford University, enjoyed a few years teaching school and then began a career in computer programming and systems management for IBM. Upon retirement, he worked as a systems engineer consultant for BMC that continued full-time until two days before his death. He was held in the

highest regard by his professional peers for his intelligence, problem-solving skills and workplace congeniality. For Bob, family always came first. They enjoyed travel, sports, community organization and events, and spending time with friends. He is survived by his wife of 55 years, Wanda; daughter, Debi Silvera; sister, **Betty Gibb '61**; five grandchildren, and one great grandchild. Also a vital part of their family was the Nkumbas from Malawi, Africa. The Nkumba children, DeWitt, Derwin, Debbie and Druscilla considered Bob their grandfather.

Mary Sue Jones Parobek '49, Lodi, Calif., died Sept. 26, 2005, at age 85. Mary Sue and her husband, **John '50**, served as missionaries in Poona, India, for five years where Mary Sue taught English at Spicer College. They settled in Ohio where Mary Sue taught elementary school. After they retired, Mary Sue and John moved first to Florida and then to California. She enjoyed reading, writing family history, canning and cooking. She especially enjoyed spending time with her grandchildren. She is survived by her husband, John; daughter, Sharon; two grandchildren; sister, Toby Wilson and brothers, Harold and Stanley.



Mary Sue Jones Parobek

Oliver Pogue '49, Mayer, Ariz., died Feb. 2, 2006, at age 84 in Loma Linda, Calif. He served in the Army Signal Corps for three and a half years and graduated from Loma Linda University School of Medicine in 1953. He served as a missionary in British Guiana (now Guyana) for 11 years where he designed and oversaw the building of a 50-bed hospital known as the Davis Memorial Hospital. He practiced medicine in Lincoln, Neb., for 20 years. During his first years in Lincoln, he was a physician for Union College. After selling his practice, he served in Zambia, Rwanda and throughout the United States for short relief terms and in Korea for three years. He retired to Arizona in 1993 where he enjoyed his large garden and orchard, as well as the local and church community service volunteer work. Oliver was preceded in death by his parents, Jasper and Mildred, and two sisters, **Florence Jones '37** and **Muriel Beltz '40**. He is survived by his wife of 55 years **Barbara Versaw Pogue '50**; sons, Maynard and **Roy ('84)**; daughters, **Carol Pogue '77** and **Pam Stilson '84**; three granddaughters; three grandsons and brother, Donald.

Harry Reile '50, Lincoln, Neb., died March 7, 2006, at age 80. Harry was born to Jake and Dora Reile in Jamestown, N.D., on Feb. 3, 1926. On Nov. 27, 1946, he married his childhood sweetheart, **Darlene Schroeder ('46)**. Harry spent his professional life as a teacher, school principal, pastor, education director in the Oregon and Kansas-Nebraska conferences, leadership giving director at Union College, and trust services director in the Kansas-Nebraska Conference. His 45-year working career was served in the Seventh-day Adventist

IN MEMORY

denominational system. Harry is survived by his wife, **Darlene Schroeder Reile ('46)**; daughters, **Sandra Schwab '72**, **Lou Ann Fredregill '73**, and **Julene McAlister '87**; eight grandchildren, Tonya McArthur, **Jenny Fredregill Leonhardt '03**, **Brad Moutray '04**, Aaron Fredregill, Matthew Fredregill, Jacob Hubbard, Calum Hubbard and Quinn McAlister.

Lamont White '50, Drury, Mo., died Sept. 26, 2003, at age 79. He taught high school chemistry, physics, and physical science for 33 years in the state of Missouri with the last 26 years at Mountain Grove High School.

Virginia Christianson Madrugá Jones '53, Loma Linda, Calif., died Sept. 7, 2005, at age 77. She is survived by her husband, Earl.

Auda McCrea '54, Yancey, Texas, died April 1, 2004. He was a pecan farmer for most of his life. He is survived by his wife, Jeanette; daughters, Risë Cady-McCrea and Letitia Rook McCrea and two grandchildren.

John Beck '58, Loma Linda, Calif., died Oct. 10, 2005, at age 91. After graduating from Union College, John earned a master's from Pacific Union College. He was a teacher

and principal for 40 years and taught history, English and math. He worked as a substitute teacher until he was 85. He is survived by his wife, **Becky Melhoff Beck ('57)**; son, Don; daughter, Sharon Steward; brother, **Edwin Beck '46**; sister, Velma McGruder; four grandchildren and four great-grandchildren.

Gwendolyn Husted '65, Hutchinson, Minn., died Oct. 4, 2005, at age 78. She graduated from Union College with a Bachelor of Arts degree in music education. While at Union College, she was the soprano soloist with the Unionaires. After graduation, she taught piano and organ at Wisconsin Academy and Indiana Academy. She returned to Hutchinson and taught private piano and organ lessons. She was organist for the Vineyard United Methodist Church and also the Congregational Church for many years. She was also very active in the Maplewood Academy Alumni organization. She is survived by her brother, Gary Husted; uncle, Wesley Husted and many cousins and friends.

Alva Wilkes Downing ('66), Orlando, Fla., died Dec. 15, 2005, at age 78. Alva was a former employee at Union College. She and her husband, Laurence, served over-

seas in Nigeria, the Philippines and Singapore. She is survived by children, **Karen Grob '69**, **Kenneth '73** and **David ('75)**, and six grandchildren. She was preceded in death by her husband, Laurence, and her son, **Laurence '73**.

Richard Lauer '66, Bonita Springs, Fla., died Nov. 13, 2005. Richard co-founded Pelican Bay Development, a shopping center development company. He is survived by his wife, **Freida Sanchez Lauer ('66)**; brother, **Ronald '66**; daughter, Jennifer Ryan; son, Steven; grandchildren, Tyler, Katelyn and Richard.

George Gott ('68), Angwin, Calif., died Dec. 19, 2005. George was a former business manager of Union College. He is survived by his wife, **Rosella Wiedemann Gott '45**.

Joy Ockenga Bramley Haaland ('69), Ames, Iowa, died in 2005 from brain cancer. She married Juel Haaland on June 26, 1988. They had a wonderful life together. Joy is survived by her husband, Juel, and sons, Tommy and Phillip Bramley.

Laurence "Larry" Downing '73, Mt. Vernon, Ohio, died Nov. 24, 2005. He graduated from Union with a bachelor's in business and worked at

several hospitals including: White Memorial Hospital, Florida Hospital, Mariners Hospital and Knox Community Hospital. He is survived by his wife, Jennifer; children, Lance and Leslie; sister, **Karen Grob '69**, **Ken '73**, and **David ('75)**. He was preceded in death by his father, Laurence.

Notice of the following deaths has been received:

Fredrick E. J. Harder '36, Azel, Texas, died Nov. 3, 2005.

Corneilus Harris '39, Chicago, Ill., died Oct. 30, 2005.

Dean Turner ('44), St. Helena, Calif.

Robert Warner ('45), Riverside, Calif., died Sept. 25, 2005.

Lillian Mantz Barnett '46, Loma Linda, Calif., died Dec. 23, 2005.

Wanda Johnston Sample ('47), Ketchum, Okla., died in 2005.

Ruby Birch '51, Sedan, Kan., died Jan. 15, 2006.

Ruth Gantz Weis ('52), Amarillo, Texas, died Aug. 10, 2005.

Don Franklin ('57), Cortez, Colo., died March 24, 2005.

Mary Lou Sigmon '68, Lynwood, Calif., died Aug. 17, 2005.



Ryan Wells

music professor and concert pianist, has released his third professional recording, *An Afternoon Concert*.

"My desire for this project was to paint a broader stylistic picture," Wells said. "I tried to order the program in a natural progression much like one would find in a live concert or recital."

Mozart's "Sonata in C Major, K. 330" begins the CD with sparkling virtuosity and elegant charm. This work is followed by a set of five "Songs Without Words" by Felix Mendelssohn. The next selection is Chopin's "Fantasie-Impromptu," one of his most famous works. Richard Faith's introspective "Nocturne in A Minor" provides a haunting contrast. Concluding the project is Franz Liszt's incomparable "Un Sospiro," a work of deeply moving and expressive power.

Wells is working on a fourth collection featuring music reflecting French Impressionism by Debussy, Faure, Ravel and others. The projected completion date is fall 2007.

To order a copy of *An Afternoon Concert*, contact Ryan Wells via e-mail at rywells@ucollege.edu or by phone at 402.486.2600 ext. 2334.

The Spirit of Giving

*F*or Dr. Dale Marcotte, 1951 graduate of Union College, his commitment to health care continues into retirement. After selling his ophthalmology practice in the Boulder, Colo. area, Dr. Marcotte chose to continue serving the rural community of Julesburg. Once a month, in all types of weather conditions, he makes the trek out to the eastern plains of Colorado to visit patients. The residents of this rural community depend upon the health care services he is able and willing to give.

Dr. Marcotte believes the education he received at Union College prepared him for a life of service. His desire is to make sure future students also receive this type of quality education. He recently partnered with his local conference trust services department to create a deferred gift using his retirement fund assets. Eventually, Union College will receive a portion of these assets which will be used to establish a merit scholarship for students with scholastic aptitude. Union College thanks Dr. Marcotte for his foresight and dedication to future generations of Union's students.



Dr. Dale Marcotte

To learn more about making a deferred gift to Union College, including gifts of retirement plan assets, please contact Todd Mekelburg at Union College, 3800 South 48th Street, Lincoln, NE 68506, 402.486.2503, e-mail tomekelb@ucollege.edu or visit www.ucollege.edu/advancement/plannedgiving.

*It takes
Fore Sight...*



Focus for the future

In recent years, Union College has been blessed with a sustained increase in enrollment, improved and new facilities and expanded academic programs. All of these changes help the campus better meet the challenges of higher education in the 21st century. This pattern of progress also includes updated mission and vision statements introduced for the beginning of the 2006-2007 academic year.



A Christian college operated by the Seventh-day Adventist Church

Vision

Union College will be recognized as a passionately Christ-centered community where students excel in learning, gain professional competence, and prepare to influence the future with faith, confidence and integrity.

Mission

Inspired by faith in Jesus Christ and dedicated to a personal student-focused community, Union College empowers students for learning, service and leadership.

Founded in 1891 in Lincoln, Nebraska



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