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Founded in 1892, Southern is a coeducational accredited university offering six master's degrees, 41 baccalaureate degrees, and 17 associate degrees.



g r o w h e r e

Our professors are dedicated
to teaching, forming friendships
with students, and modeling
Christian values. They're here
to help our students grow.

— Gordon Bietz
President



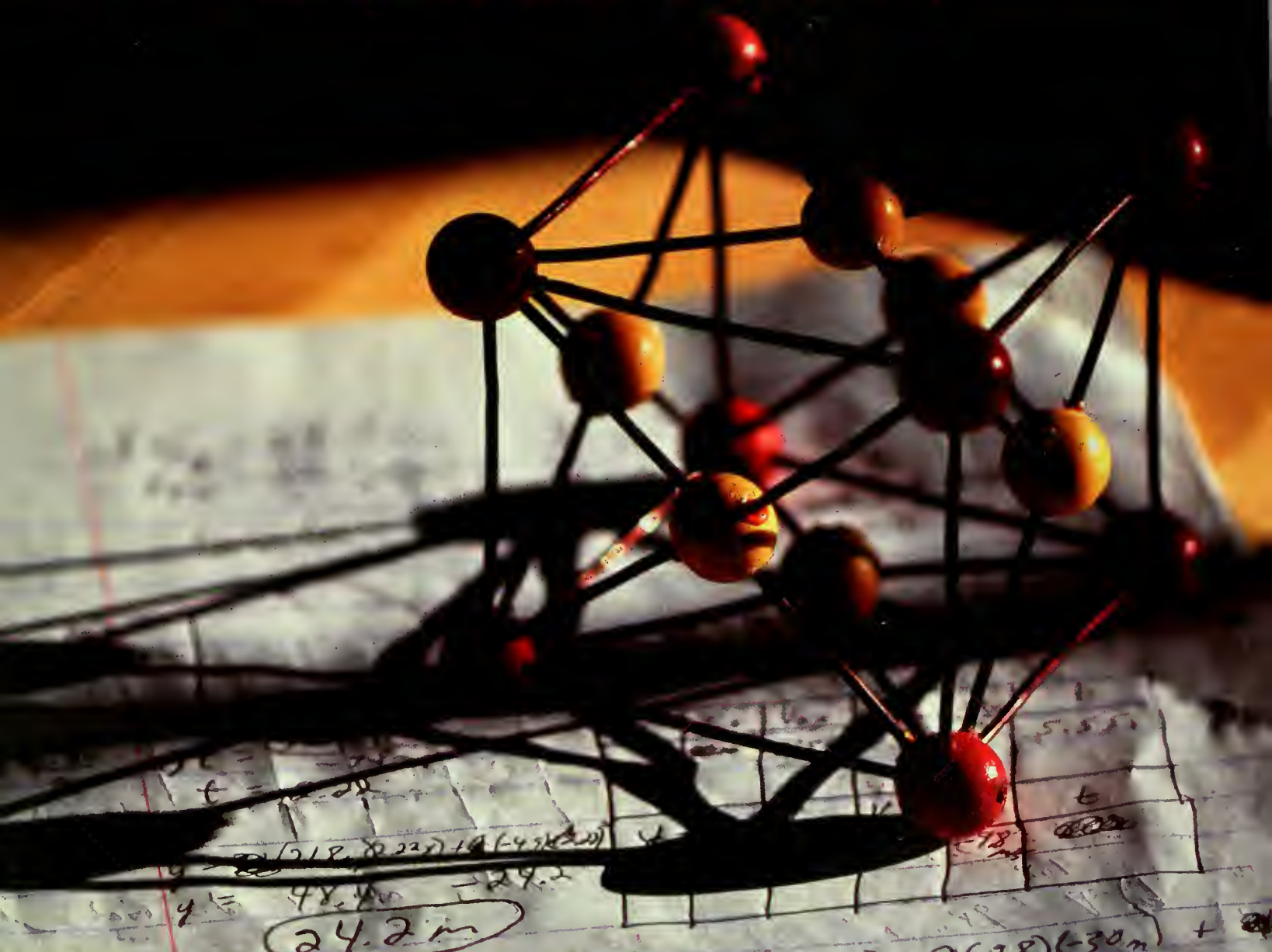
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COLUMNS

The Magazine of Southern Adventist University



**Groundbreaking
Physics**

**The Spirit
of Volunteerism**

Embracing Change

You've probably experienced neophobia—a fear of change. By coming up with an innovative idea, you yourself may have caused others to experience it.

Some changes are inevitable, totally beyond our control. The arrival of 2000, for instance. Weather and the progression of seasons.

Other changes are within human control—but not necessarily ours or yours personally. This issue of *Columns* describes several innovations in that category. Notice especially the changes that Daniells Hall has experienced through the years, and Southern's new affiliations around the world.

Technological changes abound, with widening influence on our lives. Two experiences illustrate this. In *Winning Words* (page 16) you'll meet a student who discovered Southern on the World Wide Web. The same for a government official in Bolivia (page 21).

But what about another kind, those creative changes we'd like to share with the world—at least our little corner of it? Maybe at home, at work, or on a church committee.

In *The Grace of Great Things: Creativity and Innovation*, the author Robert Grudin offers several strategies to make it easier for others to accept our innovative ideas. Maybe they will be helpful to you and me in the new year. Among them are:

- Discuss new ideas in terms of their positive effect rather than negatively criticizing the status quo.
- Discuss your idea privately with group members and listen to their suggestions and criticisms. Incorporate those you agree with.
- Don't feel you have to respond to negative criticism. "A brilliant rebuttal to criticism is often less effective than a courteous acknowledgement or an inspired silence."
- "Share or forgo the credit for your ideas as often as possible."
- Use humor in presenting your idea.
- "Remember that defeated proposals are soon forgotten and can soon be resubmitted, especially if they are couched in somewhat different terms."

And here's one more thought, written by Henry Lyte more than 150 years ago, that can help keep us on track: "Change and decay in all around I see; O Thou, who changest not, abide with me." — db

New Alumni Website

Southern's Alumni Office is making it easier for you to keep in touch with fellow alums on the Web! Go to our new Web site at www.alumni.southern.edu and click on *alumni directory*. Your e-mail address isn't posted? (About 900 addresses already are.) Select *get listed* and fill in the easy form. Also, you can e-mail the form to fellow alums who would enjoy being in touch with old classmates and faculty members.

For the Alumni Homecoming Photo Album, click on *Homecoming 99*.

To get up-to-date information on area alumni meetings around the country in 2000, follow the link to the meeting nearest you. You may also check out photos from other recent meetings. We'll do our best to post them within minutes of the actual events.

Homecoming 2000 will be the biggest ever! Find out what we're planning for you by selecting *Homecoming 2000*. Follow along as events develop. And next October, you can even register online!

You can update your information in our records and help us find "lost" alums—all online. We welcome your feedback at alumni@southern.edu.

— Carol Loree, Director of Alumni

COLUMNS

Volume 51

Number 2

Doris Stickle Burdick
Executive Editor

Debra J. Hicks, '91
Managing Editor

Ingrid Skantz, '90
Layout Editor

Southern Adventist University

Gordon Bietz
President

George Babcock
Academic Administration

Dale Bidwell
Financial Administration

William Wohlers
Student Services

David Burghart
Advancement

Vinita Sauder
Marketing/Enrollment Services

Carol Loree
Alumni

Doris Burdick
Public Relations

For admissions information:

Southern Adventist University

ENROLLMENT SERVICES
POST OFFICE BOX 370
COLLEGE DALE TN 37315
1.800.SOUTHERN
423.238.2844
FAX 423.238.3005

E-MAIL: admissions@southern.edu
Web SITE: www.southern.edu

Alumni Council

BOB BERGE, JUNE BLUE, SHAUNA CAMPBELL,
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Years of pure scientific research by Southern's students and physics professors pay off as they complete a first-in-the-world periodic classification system.



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How several graduates have used their passion for Generation X to minister to young people through the "king of road trips."



A Volunteer Spirit

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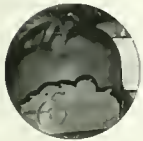
Serving the community outside the local Adventist culture means getting involved with unique opportunities.



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The story of Daniells Hall from its early years as library to its recent renovation as home for the Social Work and Family Studies Department.



Education: A harvest of dreams

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An award-winning essay packaged in a creative manner brought a young mother back to school, a school she had scarcely heard of.



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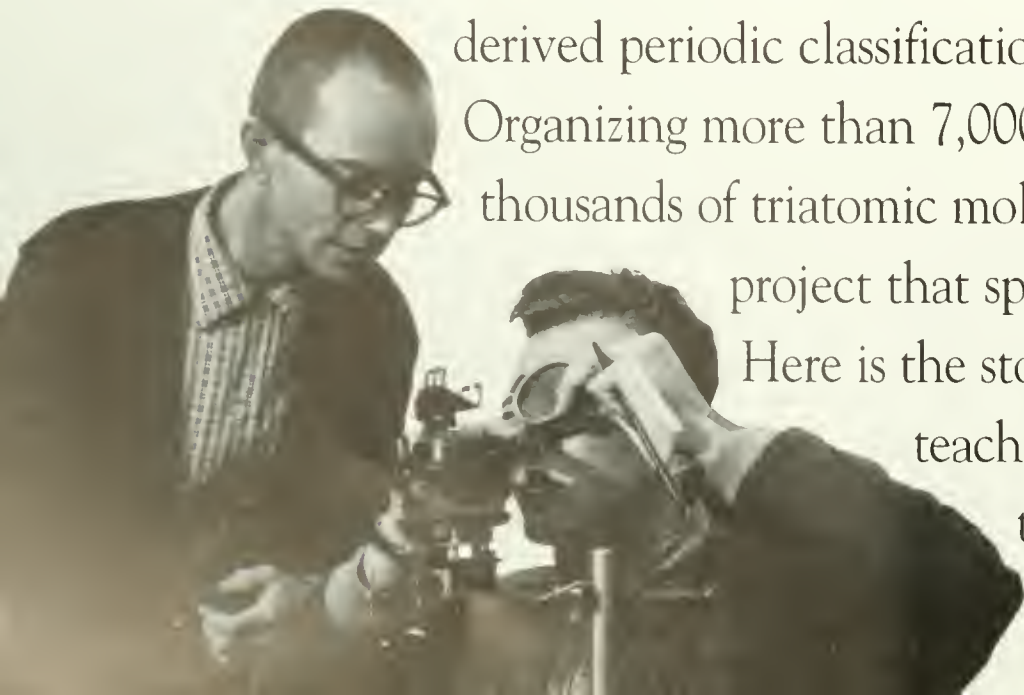
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Decades of Discovery

by Debra J. Hicks

You don't have to be a rocket scientist to appreciate Dr. Ray Hefferlin. Hundreds of physicists around the globe know him for his groundbreaking research in the field of classical spectroscopy. But to the myriad of students he has inspired during his 45 years as a physics professor at Southern, "Doc" is much more than a scholarly genius. He is a gentle and thorough teacher who loves to ignite the fire of curiosity in his pupils.

Dr. Hefferlin's involvement in the magnetic fusion energy program and various aspects of NASA's space program sparked a need for data that eventually led to the world's first theoretically derived periodic classification system for molecules. Organizing more than 7,000 diatomic and hundreds of thousands of triatomic molecules proved a mammoth project that spanned multiple decades. Here is the story of how students and teachers worked together to make the discovery of a lifetime.



It was absolutely dark in the room, or so it seemed at first. Inside the room, atop three enormous oak tables, perched an awkward home-made contraption that had been assembled by hand on the ground floor of Hackman Hall.

The room had to be dark because the spectrometer's twin photocells were so sensitive that a glowing watch dial could cause them to overload. Each photocell was mounted on a Lionel® model-railroad flatcar that was pulled along the miniature tracks by a wire attached to an electric clock motor.

In 1956, the only high-tech piece of equipment in the room was the diffraction grating. This concave first-surfaced mirror was covered with infinitesimal grooves that created a rainbow from the thin ribbon of light coming to it from the nearby control room. (Glancing at a CD, edge-on, can produce the same effect.)

In complete contrast to the room containing the 21-foot spectrometer was the adjacent control room, ablaze with light from the fiery electric arc between two iron electrodes. Various meters and knobs allowed control of the arc current and position. A lens focused some of the arc light onto the wall, where a fine slit between two sharp metal edges admitted the ribbon of light to the diffraction grating.

The two men in the control room weren't looking at the beautiful spectrum, but rather at the faint yellow-green elliptical patterns on an oscilloscope in a corner. The patterns told whether the sensitive photoelectric detectors on the Rowland circle were correctly measuring the bright lines in the iron spectrum.

The two researchers were physics major Carl Jansen and his professor, Dr. Ray Hefferlin.

After his graduation in 1958, Carl accepted an AEC Fellowship in health physics at Nashville's Vanderbilt University and spent three months at the National Reactor Testing Station in Idaho Falls, Idaho, before going to study medicine at Loma Linda University. He was board certified in radiology in 1968 and in nuclear medicine in 1972. Dr. Jansen has been chairman of radiology at San Bernadino County Medical Center since 1975 and became medical director in 1997.

By 1963, grant money enabled the Physics Department to purchase a state-of-the-art spectrophotometer for the same room in Hackman Hall. In the center of the room, a three-foot plume of blazing plasma at 14,000 degrees Centigrade hissed swiftly upward, but with no visible movement. It was pure white, with a somewhat less bright but more colorful edge.

One day in 1964 a group of academy students came to visit the Physics Department during college days. One of the teenagers who stood with rapt attention at this display was Lucy Rascon, who later told her professors that the sight of the plasmajet flame had sparked her decision to study physics. During her junior year, she participated in research for an article that anticipated a discovery made soon afterward by scientists at the National Institute of Standards and Technology. Lucy (Rascon) Medford, '68, obtained her master's degree and went on to work as one of the project directors for the International Space Station.

In 1966, Dr. Hefferlin's involvement in various aspects of NASA's space program presented a new physics challenge. His research problem was to find the number of molecules in a given volume of plasma. Doing this required knowing the "intensity constant," or the number of watts emitted when a molecule shines. Intensity constants for many molecules he observed were simply not documented in scientific literature. Measuring them would take many years.

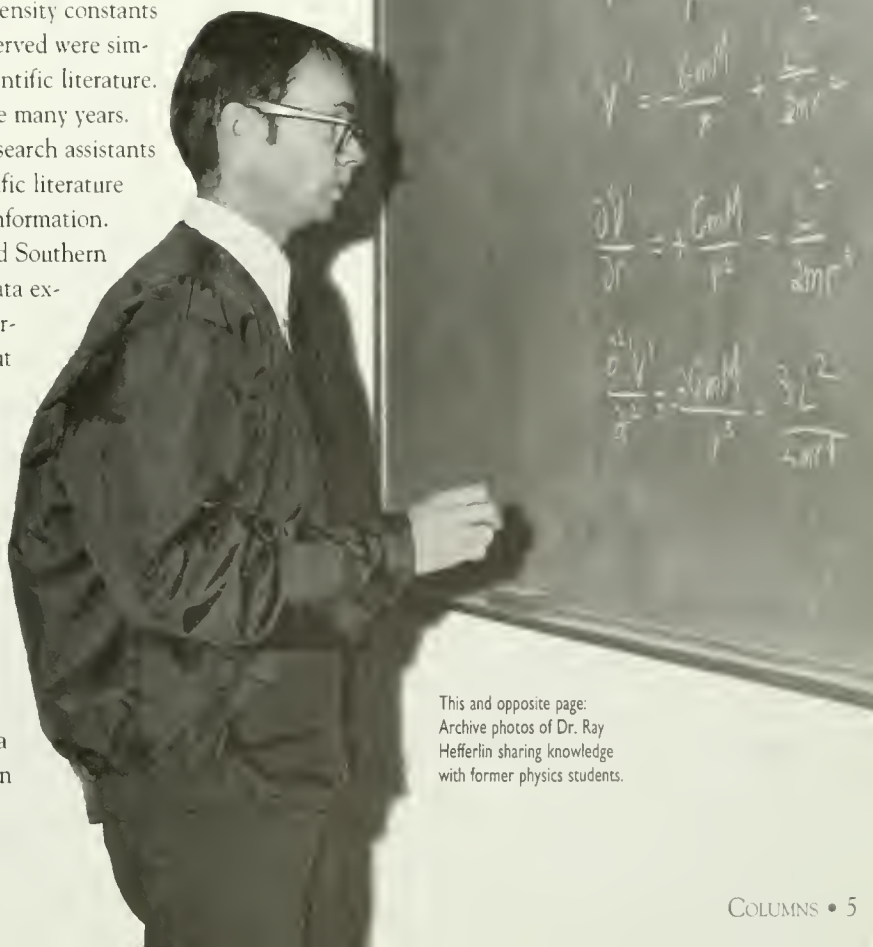
Dr. Hefferlin and his research assistants began searching the scientific literature and asking colleagues for information. One German man informed Southern that a large collection of data existed in Europe. He could arrange for it to be shared, but only on condition that the data would be picked up in person!

It happened that Jorge Flechas, who had just begun his undergraduate physics research at Southern, was planning a trip with his parents in Spain that summer. The college provided him with a round-trip ticket from Spain

to the document pickup point. He returned the next school year with the precious data and proceeded to work with Dr. Hefferlin and another student to compile a master database. Jorge Flechas, '73, went on to study medicine and has pioneered several diagnostic and treatment methods.

The master database prepared by Jorge and others made it easier to guess the light output from one molecule on the basis of a known light output from another. Dr. Hefferlin had a nagging feeling that these data for diatomic molecules like oxygen, hydrogen, oxides, and fluorides were telling them something they weren't hearing. Over the course of time, researchers in the Physics Department at Southern came to realize that they needed an overall principle for the intercomparison of all these data. The researchers needed a periodic system, something like the periodic chart of the elements.

It didn't take long for researchers to begin constructing a periodic system that seemed to work. In fact, the molecular periodic system designed by Dr. Hefferlin and his team of students in 1977 turned out to be a good three-dimensional projection of a very general four-dimensional system.



This and opposite page: Archive photos of Dr. Ray Hefferlin sharing knowledge with former physics students.

But that's getting ahead of the story. First it was necessary to demonstrate that the 3-D system worked—that it agreed with the data and organized it in a useful fashion. This was accomplished by plotting graphs of the data using the coordinates of the periodic system.

- Physics Department secretary Rosalie (Parrish) McCracken plotted scores of stick graphs on two-dimensional axes by hand. In 1983, Rosalie earned her diploma from Southern, and she is now a top-level administrative assistant at a large urban hospital in Pennsylvania.

- Physics major Mickey Kutzner, now a professor of physics at Andrews University, took some of Rosalie's hand-rendered stick graphs and gave them a surface, as one would drape tent fabric over the poles and ropes of a tent.

- Lizzie Harper, a physics student who is now employed at the University of Montemorelos in Mexico, plotted graphs using Pick-up-sticks® by poking the sticks through holes in a plywood-rubber-plywood sandwich.

- Another student undertook the task of plotting graphs utilizing the computer technology available on campus in the early 1980s. The manufacturer of its Hercules® dot matrix printer told Ken Priddy, '86, that at that time there was no way to make this printer plot such two-dimensional stick graphs. Ken considered this negative response a challenge and proceeded to do the necessary programming on the school's HP 3000 computer. When one of the graphs began to take shape on the green-bar paper, he exclaimed: "That data point is wrong!"

Indeed, because Ken was well acquainted with the trends visible on graphs plotted by Rosalie, Mickey, and Lizzie, he had found an error in one of the world's most highly esteemed archives of molecular properties.

Meanwhile, Southern's three-dimensional periodic system inspired Dr. Alexei Monyakin at Moscow State University in Russia to create his own 3-D classification of two-atom molecules. And in China, Dr. Fan-Ao Kong created an extremely elegant and useful periodic chart that has many

nice features, including a "molecular number" something like the atomic number in the chart of the elements. As it turned out, these were each pieces of a more complex puzzle. Dr. Hefferlin suddenly realized that they were shadows of a complex four-dimensional periodic system. And Dr. Henry Kuhlman, also of Southern's Physics Department, was the first to demonstrate the validity of this new concept through computer models.

Using a hyper periodic system in four dimensions, a number of students began helping Dr. Hefferlin predict new molecular data, using trends that they could see from graphs of the known data. Since that time, many hundreds of new data have

been predicted using mathematical methods called "least-squares fitting" with brain-like computer programs called "neural networks."

In October of 1999, a journal published in England carried an article about the use of the four-dimensional periodic system to view trends among the optical data of diatomic molecules heated to high temperatures.

It took 23 years to see the trends among these data and to perfect methods for graphing and predicting data to achieve these results. During these years, many students at Southern came to see the beauty of another part of God's book of nature—and the joy of discovering something no one else had ever seen. ¶

Much of the information for this article was provided by Dr. Ray Hefferlin, professor emeritus of physics, and recipient in 1997 of the Pegram Award from the American Physical Society.



Sophomore Jonathan Knoll, left, accepts congratulations from sophomore Stefan Rusek after reporting on his molecular research to fellow students at a recent Physics Department convocation.

It figures

- Well over 50 students have participated in the undergraduate research program provided by Southern Adventist University's Physics Department since 1955. The research program gives students a vivid picture of how science works and the amount of effort that must be devoted to the process of discovery. The program also lets students experience the thrill of being the first person to understand some aspect of how nature operates around us.

- More than 40 physics majors have provided conference lectures or poster presentations, and 20 or more have co-authored articles published in scientific journals while they were students at Southern. In some cases, the student was listed as a first author or the only author.

- More than 80 students have completed the rigorous physics curriculum at Southern and earned their baccalaureate degrees here. Over 50 physics graduates have gone on to earn one or more advanced degrees in the sciences, the healing arts, engineering, education, business administration, or music. Many of these individuals speak highly of their undergraduate involvement in hands-on physics research as an important factor in their decisions to continue learning throughout their lives.

Going to the eXtreme

by Alicia J. Goree, '97

Narrow white dashes tick by as the YouthNet eXtreme Team barrels down the interstate toward its next stop—an academy more than 500 miles away. Dark asphalt slips beneath the tires of the custom-painted 1999 Ford F-350 crew cab turbo diesel and its 36-foot gooseneck trailer.

With his hands firmly on the steering wheel, Bryan Fowler, '97, watches the road, trying to avoid potentially damaging potholes. Melissa Barclay pores over physical therapy textbooks and notes, preparing for her board exams. Kindel Frakes' gaze drifts through the smudged fingerprints on the window toward the distant hills, and Elia King composes letters of the heart to his girlfriend, Kathy. Brian Yeager, '97, the group's director, takes advantage of these precious quiet moments to reply to the 37 e-mail messages waiting in his Juno inbox.

They've been living on the road for months already, though it hardly feels that long. "We really are like family," says Brian. "Not a weird fuzzy feeling, but this is just where we belong."

The eXtreme Team, conceived in the mid-'90s and born in June 1998, is a traveling evangelistic team for young people in North America. These five talented collegians use creative ministry to evangelize, call, train, network, and empower today's youth for God's service.

During their first year on the road, the team did about 50 gigs, traveled nearly 75,000 miles by truck, and ministered to more than 20,000 people, including thou-



Brian Yeager in action during the "king of road trips"

sands of students in the Teens Plus group during the "Discover the Power" international Pathfinder camporee last August. The lives of young people nationwide have been forever transformed with each youth rally, week of spiritual emphasis, and Pathfinder event the group attends.

Without its tenacious 26-year-old leader, Brian Yeager, the eXtreme Team might never have become a reality. Participating in this kind of outreach had been his dream since high school. While a student at Southern, Brian was drawn to performance ministry, especially drama. As the 1996-97 director of Destiny Drama Company, this Michigan-born "preacher's kid" gained experience as a leader, an actor, a peacemaker, an evangelist, and a pastor.

"My education expanded my mind," says Brian, who was a religious studies major at Southern. "It helped me learn how to think more, and exposed me to other ideas and opinions. Being involved in Destiny, Festival Studios, and other stuff did more to help me than anything else. Also, my year out as a Taskforce worker at Upper Columbia Academy in Washington was incredible, as were my two summers as a youth pastor for 11 churches in New Orleans."

Several other members of the eXtreme Team also studied at Southern Adventist University before answering God's call to "hit the road." Bryan Fowler joined the team in January 1999 and became its assistant director in June. Bernita Smith, a

former Destiny Drama Company member, traveled as an eXtreme team member during the 1998-99 season and throughout the summer of 1999. And until May 1999, Tom Goddard, '96, worked from the team's Berrien Springs, Mich., base as the original office and tour manager.

With such a demanding schedule and so many souls at stake, YouthNet eXtreme Team members have to be very special people. They aren't expected to be "super-Christians," but they do need to be in love with Jesus and radically committed to Him.

"I need multi-talented people who love to travel, can live with others and handle having no personal space, and enjoy sitting in a truck for hours and hours and hours," explains the group's director. "It's a hard life. There's no permanence, and it's lonely."

However, the hardships of the eXtreme lifestyle seem insignificant compared to the excitement of traveling to unusual places, meeting thousands of interesting people, and witness-

ing baptisms—seeing kids answer the call to commitment.

Auburn Academy student Charlene Stephens told the team: "If you ever feel like what you do doesn't have an impact, think again. I was baptized on November 21. You have given me a new view on Seventh-day Adventism."

John, a Walla Walla College student, added his appreciation. "Thanks again for being at Walla Walla College and sharing your love for Christ with us in such authentic ways."

"I needed the encouragement, the challenge, the affirmation, and the special touch of God" wrote another Walla Walla student. "It was a very meaningful experience, targeting specific needs, pointing toward the only Source of healing, peace, and true life."

"I am much more spiritual," said Adria Crossen after the eXtreme Team visited her church in Fresno, Calif. "I notice myself telling people about God and not fearing what they will think. It's seriously such a life-changing experience."

Students aren't the only ones blessed by the eXtreme Team

ministry. A conference evangelist named Mike said: "This is incredible. This is the first time we've had something here that ministers to the youth and doesn't offend the adults."

A love for what the team promotes—discipling youth—forms the foundation for the eXtreme Team's support. Because it is financially independent, a ministry as complex and mobile as this one relies on much more than plastic-bucket "love offerings" to operate. Corporate sponsors including Worthington Foods, Southern Adventist University, Mackie Sound Designs, ADRA, Indian River Fundraisers, Pacific Press, and others provided the bulk of the team's start-up costs. In turn, the team promotes its sponsors at each venue across the country, and the companies' logos appear on the sides of the team's trailer and in its promotional materials.

Since these organizations provide only a fraction of the \$60,000 annual operating budget, the team also relies on individual supporters to sustain the ministry from month to month. Sales of team T-shirts, its brand new CD, plus on-site fees and offerings also generate much-needed income. "We even had a parent slip us a \$1,000 check just be-



cause he believes in what we're doing," says Brian.

"We're actually an incredible bargain," he adds. The cost of hiring the eXtreme Team, including lighting and sound equipment plus a custom program, averaged about \$3 per person for an audience of 200 over the first season. If 500 students come, that average drops to just a little over \$1 per person.

The group touts a smorgasbord of ministry options, and no two programs are identical. During a typical academy "week of prayer" event, the team usually does one or two programs a day. "We go to Bible classes; hang out with the kids; do magazine and news interviews; compose our talks; decide on music and visuals for the evening programs and assemblies; practice skits and plays; tend to the needs of the truck, trailer, and equipment; update the Web site; develop public relations and promotion strategies for the team; work on the programming for that day and week; set up and tear down our lighting and sound systems; plus much more," says Brian. "There's no 'typical' day. Every venue is different."

Being versatile is important. It leaves the door wide open for the Holy Spirit to give the team the right message for the right moment and to put them exactly where they need to be.

For example, a couple of months ago the eXtreme Team tour manager, Michelle Coursey-Pahler, couldn't fill the week after the team's first gig of the season at Bass Memorial Academy in Mississippi. Rather than allow them to sit idle until their next stop, she took action. On Friday she got in touch with Mark Witas at Mount Pisgah Academy in North Carolina and offered for the team to come and work in exchange for a place to stay.

"He already had a speaker for their week of prayer, but invited us up anyway to do music and stuff," Brian recalls. "Saturday night he called again and said that the speaker had a family emergency and couldn't come after all. Since we were coming, he didn't have to cancel the week of prayer. It was totally a God thing!"

When five eXtreme servants of God come together in ministry for the sake of Jesus' precious children, such miracles are bound to happen.

At Greater Boston Academy last February, the eXtreme Team introduced a new idea to a group of students at a morning prayer group. All day long they were to take turns carrying around a little YouthNet eXtreme mascot, which they dubbed the "bear of prayer." Whichever student had the bear was responsible for praying for the entire school, and anyone who wanted someone to pray for them knew to go to the person carrying it. "The

How to Pursue a Dream

Here is Brian Yeager's not-so-secret formula:

- First, dream and dream and dream.
- Then, organize your dreams. Put them into something that makes sense—What exactly is it you want to do? How are you going to do it? Why do you want to do it? What good will it do? Make an outline of what you want to do. That way, if someone wants more detail they can ask. This is hard, but *Reader's Digest* has been doing it for years. So can you!
- Next, start building a support group. These are people like your pastor, youth director, business leaders, people from places you'd be serving, etc. They can help you avoid dangers and maneuver through the system. I found that teachers from college can be great mentors, a source of incredible help and inspiration.
- Then do it!

bear of prayer became very popular," recalls Brian, "and before we left they found their own special stuffed animal to pass around."

The eXtreme Team has ministered in malls, on streets, from door-to-door, in parking lots, and even in a juvenile detention center. "Now our emphasis is becoming more and more evangelistic in nature—teaching kids to actively serve God by reaching out to others," says Brian.

This includes teaching them how to study the Bible, develop leadership skills, and conduct effective small groups. They even put youth to work performing in sketches and mimes, running sound and lighting, shooting video footage, operating computer graphics for services, singing, and operating the video switcher board.

"Youth—especially high school students—have so much energy, potential, and passion," declares Brian. "If you can grab them at that age, you've got them for life."

After he passes the eXtreme Team torch to another director, Brian intends to continue calling youth into eXtreme service for God. "Because of this experience, I'm more focused on doing evangelism and outreach to the world, and training kids to do the same."

After his three-year contract, which ends in August, Brian has plenty of options. "I'd like to develop a ministry in the performance arts," he says. "Maybe get a master's in theater. Teach. Get married. Sleep for a reeeee-ally long time." ¶



Want to Know More?

For information about booking the Youthnet eXtreme Team for a stop in your area during "The King of Roadtrips," call the North American Division's Center for Youth Evangelism at 800.YOUTH.2.U (800.968.8428), e-mail yne@juno.com, or browse the team's new Web site which is located at www.extremegeneration.org.

Readers may also subscribe to the team's electronic newsletter via e-mail to subscribe-yneupdate@eGroups.com or by visiting the eGroups Web site at www.egroups.com/group/yneupdate/info.html

A Volunteer Spirit

by Judy Prosser



United Way

Six years ago Ed Lamb was called to the president's office and asked if he would consider managing a United Way campaign for employees of Southern Adventist University. Though he was teaching a full class load and heading an academic department, he said "Sure."

Perhaps even more remarkable is the way other campus workers have reacted to the annual United Way fund-raising appeals. "Despite the enormous amount of time, energy, and money our staff members devote to their local churches and to Adventist education," says Ed, "SAU employees have responded with consistent generosity." In the fall they donated \$13,400 to the agency, surpassing the previous year's total by more than \$2,000.

The university is one of approximately 700 organizations in the region that participate. The money they raise enables United Way of Greater Chattanooga to help 43 local health and human-service agencies. Its 1999 campaign goal of \$11.5 million is second to only one other mid-size city: Wichita, Kansas.

Although it is true Tennessee has been dubbed the "Volunteer State" and that people in the Chattanooga area are among the most charitable in the South, few consider this to be a local phenomenon.

A lifetime student of human behavior, Ed Lamb believes it is a Christian orientation that motivates scores of students and faculty with a spirit of volunteerism and generosity. No matter how hectic their schedules get, many regularly use their time and talents to benefit people living outside of the Collegedale city limits.

Tennessee Aquarium

On the fourth Tuesday of every month, Judy DeLay, '82, sheds her work clothes and slips into something more comfortable—a wet suit and scuba gear from her locker at the Tennessee Aquarium in downtown Chattanooga. Then she and several other volunteer divers work together to clean one of the aquarium's two largest tanks.

When she started five years ago, Judy also put her name on a waiting list to feed the fish on Sundays. Her name came to the top of the list last spring, but she decided to be a backup diver for those who can't

make it when their turn is scheduled. On the days she's needed to fill in, Judy arrives at the aquarium at 8:30 a.m. to prepare 11-14 pounds of food for each tank.

"The fish have their own personalities," says Judy, senior programmer analyst at Southern. "I quickly learned which fish bite and which don't." Sometimes the sharks in the saltwater tank must be persuaded to eat. She holds their food wrapped tightly in her hand to keep other fish from getting it, and when the sharks get close she releases "restaurant-quality" delicacies like squid or shrimp.

Feeding time at the Gulf of Mexico tank is 11 a.m., and Judy stays in the water approximately an hour and a half to feed the fish and entertain visitors who peer through the eight-inch wall of plexiglass. After her own quick lunch, she repeats this process for the creatures in the freshwater tank, and it's usually 4:30 p.m. by the time she's ready to head home.

Thom Demas, who coordinates the aquarium's 105 volunteer scuba divers, is grateful for people like Judy who are willing to be consistent scrubbers. It's fairly easy for him to find divers willing to feed the fish, since that provides direct interaction with both visitors and animals, but cleaning a 145,000-gallon tank is a much less glamorous task. Judy stays underwater for about an hour in the Nickajack Lake exhibit, scrubbing algae off the giant rocks that are home to nearly 250 fish, turtles, and ducks. She enjoys the aerobic workout and the satisfaction of doing something positive for her community.

Habitat for Humanity

Five months ago, Lynn Caldwell joined the faculty in the Journalism and Communication Department as an associate professor and the executive director of American Humanics.

Lynn came to Southern from the

nation's capital, where for three and a half years she handled public relations at the world headquarters of the Seventh-day Adventist Church.

While living near the District of Columbia, Lynn signed up to help during a four-day "build blitz" organized by Habitat for Humanity. Although shy of heights, she volunteered to work on the roof one day. From her station four stories above the ground, she could see the Capitol to her right and dozens of houses already constructed by Habitat for Humanity to her left. Below was an expanse of workers from various faiths and many walks of life. "In



Left: Shannon Jaeger. Photo by Hans Olson.
Above: Judy DeLay. Photo by Debra J. Hicks.

that moment," Lynn recalls, "I realized that no matter how small my contribution, I was a part of this."

Since Habitat requires the person who will live in the newly built house to be part of the work crew, Lynn once worked alongside a woman to complete her home. Before the drywall went up, nearly 175 people on the team crowded into the house and wrote words of encouragement with a Magic Marker on the studs. "To see the lady's face while she was reading the notes," says



Above: Carin Orange. Photo by Louis Licht.

Lynn, and "to have her shake my hand and thank me [was incredible]."

Lynn has completed her application for the Chattanooga branch of Habitat for Humanity and can hardly wait to participate in her first local building project.

Make-A-Wish Foundation

Carin Orange, a junior nonprofit management and development major, is one of over 13,000 volunteers across the country who enable the Make-A-Wish Foundation to create unforgettable experiences for children with terminal or life-threatening diseases. For nearly 20 years, the foundation has been in the business of granting the wishes of children who can't wait until they grow up to realize their dreams.

When Carin learned about the organization, she knew she'd found her calling. "The children and families touched by the Make-A-Wish Foundation have more on their minds and hearts than I may ever carry," says Carin. "I want to be part of this organization that re-sparks hope and encouragement for their hurting hearts.

Last semester, Carin contacted the director of the foundation's East Tennessee chapter and asked how she could help. At his suggestion, she adopted the "Kids for Wish Kids" project, which involves finding schools willing to raise money for a child's wish. These are limited only by a child's imagination and medical condition, but four of the 58,000 requests already granted were: Chris' dream "to be a police officer"; Kaeli's wish "to meet Mary Poppins"; Mandie's ambition "to have her book published"; and William's desire "to go to Hawaii and see the dancers in the grass skirts."

Fulfilling one wish normally costs about \$2,000 but varies per child.

"This is something I might be interested in pursuing as my career after school," adds Carin. "I stand behind what they are doing."

Disaster Relief

Terry Haight has been a pressman at the College Press for 34 years and is concurrently disaster response coordinator for the Georgia-Cumberland Conference.

After his first experience as a relief worker during Hurricane Hugo in 1989, Terry immediately began to ask, "What was needed most?" and "What could we do better next time?" By setting this trend of careful observation and analysis, he was able to build a local disaster response team that has made an impact nationwide.

For example, Southern employees Jan Haveman and Judie Port developed a plan whereby each food box shipped to a disaster area would contain pre-prepared, nutritionally balanced food to feed a family of four for three days. That food box plan, as well as a numbering system to help relief workers quickly sort donated goods, later became the standard adopted by the Federal Emergency Management Association (FEMA).

As a regional coordinator, Terry now works closely with FEMA, the American Red Cross, and other national volunteer organizations. When hurricanes, floods, or tornadoes strike, he helps set up operation warehouses and distribution centers near the hardest-hit area.

After a tornado touched down last April in Vienna, Ga., initial reports indicated

that 35 homes were affected. However, once he arrived on the scene Terry learned that the number was actually over 400.

The first person he met was Kenny Calhoun, emergency coordinator for the county. "What is it you Adventists do?" he asked Terry.

When the man learned that the church's specialty is managing warehouses for donated goods, he grabbed Terry and gave him a big hug. "God sent you!" he exclaimed. "I know He sent you."

Come to find out, the area was being overwhelmed with donations, and the local agency was understaffed to handle it all. Immediately a team under Hugh Lipscomb, coordinator of the ADRA affiliate in South Georgia, stepped in and ran the warehouse for two and a half months.

"They had never heard of Adventists before that tornado, and now Adventists are considered an active part of their team," says Terry. Because of situations like these, the Seventh-day Adventist Church has a very good reputation for disaster management, he adds.

"Anybody can help with disaster relief," Terry emphasizes. "The work is physically hard, but the reward of seeing firsthand the people in need and how our work is affecting them is priceless."

Community Improvement

After driving through the Summit community time after time and seeing so many unmet needs, Larry Williams decided to take action. "Realizing the significant resources here at Southern, I decided to pair the need and the resources together by way of community service," said Larry, an associate professor of social work and family studies who joined the faculty in 1983.

Located less than 10 minutes from the university, Summit is a community of contrasts. Established more than 100 years ago, since 1972 it has been dominated by Chattanooga's landfill. The city closed the landfill last year after 27 years, but numerous residual effects, such as runoff and foul odors, remain.

Larry had heard that a community group met occasionally at the HeadStart building in Summit, so he got the name of its president and asked if he could attend their next meeting. That was in April 1999, and he's been working closely with

them ever since.

Adult education, GED, and tutoring programs are already offered under the auspices of the Summit Community Recreation and Welfare League, but the group has much larger goals for the near future.

According to Larry, they have been soliciting help from local, state, and federal politicians to develop a community center and to improve the atmosphere in Summit. Foremost among their plans is construction of a broad-based educational center that will offer job training, drug education, and teen pregnancy prevention, along with programs designed for senior citizens and recreation activities for the youth.

Land has already been donated for the new center, and Hamilton County has pledged some money. But an additional \$450,000 still needs to be raised. "This isn't something that will happen overnight," Larry emphasized. "This is a three- to five-year project.

His part is not to take over the planning process, but to offer professional assistance in development of the community. Drawing on what he learned while obtaining his master's degree in community organization, Larry is forming a professional advisory board that will include university staff and community members. About a dozen students in one of his upper-division social work classes will also get involved.

"There is currently a renaissance of pride in the community," says Larry. "Summit has been traditionally associated with poverty, but that is in the process of changing. I see more hope in Summit than there has been in a long time."

Tutoring

Shannon Jaeger, a junior social work major, got involved with the tutoring program in Summit after hearing about it in Larry Williams' Human Behavior and the Social Environment class.

For about two hours a night on Tuesdays and Thursdays, Shannon helps a boy in kindergarten master his numbers and letters. "It is difficult to keep him interested in what I'm saying for two hours," admits Shannon, "but I do enjoy being able to connect with him and see his improvements. I leave with good thoughts on what I've accomplished, and that keeps me going back." ♪

Giving time

In 1-4 hours, you can:

- Buy and wrap a gift for a homeless child
- Read to a neighbor whose eyesight is failing
- Give blood
- Make neighborhood calls to collect funds for a charity
- Register voters
- Prepare a meal at your Ronald McDonald house

In 1 day, you can:

- Help out at an animal shelter
- Clean up a vacant lot or a city park
- Walk, run, or cycle in a charity fund-raiser
- Sort and sell books at your library sale
- Visit at a nursing home
- Work at the polls on election day

In 1 week, you can:

- Participate in a Maranatha project
- Help build a playground or park
- Work on a Habitat for Humanity house
- Do restoration at Historic Adventist Village in Battle Creek, Michigan
- Help at a local event

In 1 year, you can:

- Mentor a Southern Adventist University student in your field
- Help organize your local Special Olympics
- Become a Big Brother/Big Sister to a lonely child
- Help a teacher in a classroom or a student after school
- Become a crisis intervention volunteer

Getting started

Every community offers service opportunities.

- **Do what you like.** Think about the causes or issues that matter to you. Think about what skills you want to involve in your service. Do you want to apply your work skills or do something completely different from your job?
- **Do it as a family or with friends.** Tie it to fun activities the children or your friends enjoy. Gain that much-sought goal of "quality time" with each other. It's a great opportunity to pass along values and skills to children of any age. Volunteerism can involve things you would do on your own anyway.
- **Extend your boundaries.** Maybe your volunteerism has been entirely at your church or church school. Finding a niche to serve the wider community can result in even greater benefits to your church and its growth.
- **Make it simple.** No matter the amount of time you have to share, it can be used in some capacity. If you're not ready for an ongoing commitment, start with single-day group events.

Here are some ways to find volunteer opportunities:

- **See if your community has a volunteer center,** voluntary action center, or volunteer bureau. These organizations are clearinghouses for information about volunteer opportunities.
- **Call your local United Way** or one of its agencies to ask if a volunteer is needed.
- **Start something.** Do it on your own. Found a new organization that matches your interest with a need you see. Or begin a local group of an existing organization.
- **Check out Impact Online** at www.impactonline.org to locate or to post volunteer opportunities in your local area. This site offers a free online matching service and also lists dozens of ways people can help from virtually anywhere, using the Internet. Searching the Internet will also provide other sites listing volunteer opportunities.

Back



in

Service

by David Warden and Debra J. Hicks



After more than two years of dormancy, the doors of Daniells Hall are once again open. Today it is home to the Social Work and Family Studies Department and the 54 students majoring in the department. It is used by several other academic departments, as well.

Department secretary Judie (Martin) Port, '67, is feeling very much at home in the newly renovated building. Yet sometimes she catches herself reminiscing about the days when she frequented Daniells as a young home economics major.

At that time, the building served as the campus library. Its rules were strict. "[Male and female] students couldn't even sit next to each other," Judie recalls. "You'd get kicked out of the library if you were caught singling out a special friend."

Students weren't allowed to talk with or even pass notes to the opposite sex, so sometimes they pretended to look in a dictionary and dropped a note on the floor. Judie's notes were picked up by Clif Port, '67. She became his wife in their year of graduation, and they have been happily married for 32 years.

Named after Arthur G. Daniells, president of the General Conference from 1901 to 1922, Daniells Memorial Library was the first major building on campus with a brick exterior rather than the brown-stained shingles that characterized earlier structures.

Completed in 1946 on a budget of \$74,000, the new facility was built to hold 60,000 volumes and was stocked with about \$10,000 worth of new books. Prior to this, the library had been housed in a little corner room on the top floor of Lynn Wood Hall next door.

Peg Bennett, '56, frequented the Daniells Memorial Library as a chemistry student. It was small and cozy with a fireplace in the reading room, yet students sometimes had difficulty finding materials they needed.

"The stacks were down in the basement, periodicals were stored in catacombs of the building, and government reports were kept in alphabetized bundles tied with string," recalls Bennett, who is now director of McKee Library. Despite these drawbacks, she doesn't think most students even thought of complaining. "We were appreciative . . . just thankful to get an education," she said.

Loranne Grace, who is now McKee Library's technical services director, joined the staff in 1970. By that time, the building was



severely overcrowded and unprepared for modern technology—which at that time was a microfiche reader. She had been on the job for only two months when the library was relocated from Daniells Hall to the newly constructed McKee Library. The transfer of 66,000 books took just five days, thanks to help from student volunteers.

For the next quarter of a century, Daniells Hall was home to the mathematics, physics, and computer science departments. At a cost of about \$100,000, the former library was converted into classrooms, laboratories, and offices.

Dr. Ray Hefferlin, professor emeritus of physics, remembers drawing the plans for his new departmental space during the 1969-70 school year. He traveled most of the following summer and was alarmed when he returned to campus and found that neither the labs nor the lecture room in Daniells Hall were ready. “I asked the president if he wanted us to hold any physics classes during the upcoming year, and evidently he did, because the staff of Plant Services installed the tiers and new seats in the large lecture room in just a week!”

On Christmas morning in 1989, Dr. Larry Hanson, professor emeritus of mathematics, heard a fire alarm as he was jogging near Daniells Hall. Upon closer inspection, he saw water pouring from an attic pipe in the south end of the building. He entered and found the entire building flooded by its sprinkler system, apparently activated in the night by a small electrical fire in the attic. It took employees about four hours to rid floors of six inches of water. Walls and carpets were ruined, and many books were destroyed. Despite the terrible mess, Plant Services employees managed to make the building functional by the time students returned from their winter vacation.

James Robertson, '92, made history in Daniells Hall room 18 when he made a determination of the gravitational field to a precision of one part in 10,000. His report won the Scientific Writing Award for the 1990-91 academic year.

In 1993, students painted all sorts of scientific equations along the walls of the lower levels in Daniells Hall. A visitor from St. Petersburg, Russia, was given the honor of helping paint $E=mc^2$. Other equations included the integral definition of the delta

function, Laplace's equation, and the equation for neutron decay. One stretched 60 feet and spanned several different walls. The capital letters measured about three feet tall.

After Hickman Science Center opened in January 1997, Daniells sat vacant for two years until renovation began a year ago.

As project facilitator, Fred Turner was responsible for drawing new plans and overseeing the renovation. When he first stepped into the vacant building to take measurements, a multitude of strange sights and smells greeted him. “It was a mess,” he states bluntly. Chipped paint, worn carpet, missing ceiling tiles, and evidence of water damage were among the surface problems to address. But before cosmetic changes could be made, the building had to be brought up to current Life Safety Codes.

Although the Plant Services team had to replace several walls, they tried to save as much of the existing building as possible. “Our goal was to maintain the look and feel of the period and yet make it a modern facility,” says Helen Durichek, '58, associate vice president for financial administration.

New features of the renovated building include central air conditioning, an improved sprinkler system, ID card-activated doors, and handicap-accessibility.

Senior elementary education major Daniel J. Warner says he is pleased with Southern's decision to preserve the memorable building. “During my first semester at Southern,” he recalls, “I took a statistics class from Dr. [Larry] Hanson in the sunny classroom at the north end of the building. To this day it remains in my mind as the very nicest classroom on campus. The tall windows on three sides of the room and the high ceiling make it feel like you're having class outdoors.”

Today that same main-floor room is an attractive, state-of-the-art classroom with full ports for laptop computers and Ethernet connections for 84 students. It also includes equipment for overhead projections, graphics presentations, and video conferencing.

When the new classrooms in Daniells Hall aren't needed by the Social Work and Family Studies Department, they are used by other departments on campus. Ed Lamb, department chair, says this is helping to alleviate some of the “classroom crunch” experienced last semester in Brock and Miller halls. ¶



Jyll Taylor

by Sandra Owens

Education a harvest of dreams

The large, red, perfectly formed apple is the all-American symbol of education.

It has been served up to us along with the American flag, the Statue of Liberty, football, hot dogs, and ice cream piled high on mouth-watering apple pie. Has any of us ever questioned the symbolism? Why do students traditionally bestow plump red apples on their teachers? Is it because the teachers continually feed their students healthy portions of the fruits of knowledge? Why do major companies such as Macintosh computers use the apple as their symbol? Is it because they realize the value of the apple and its commercial appeal? Why are phrases such as "the apple of my eye" used? Is it because the apple has the connotation of being priceless? Indeed, apples are the perfect symbol for education because both have seeds, both are priceless,

both have permanent effects, and both offer freedom of choice in life's orchard.

Yes, the apple can be an appetizing symbol of the fruit that will manifest from one's growing knowledge. The apple, a natural source of vitamins and nutrients, resembles education, which supplies our

Recommended Daily Allowances of logic, understanding, and awareness. But, the core of the apple is the reason for its existence. The apple is itself a seed; moreover, the seed is necessary to develop future generations. Education is just like the apple. There is the fruit that can be made

Winning

Sandra Owens smiled. She had just learned she was one of 25 finalists in Calgon Corporation's first "Take Me Away to College" scholarship competition. To reach the top level in the contest, she had already submitted three 200-word essays. Now she was reading her tie-breaking assignment. Few topics could start her creative juices flowing like this one. For the \$2,500 grand prize, she would need to create the winning entry in response to the question: "What is the value of education?"

At age 33, Sandra could write this essay with passion.

Just months before, she had made up her mind to finish her art degree. The decision had not been easy. Going back to school would consume much of the time usually spent with her husband, Danny, and their three children, Lindsay, Clai, and Justin. Before trading her role as a homeschooling mom for the title of full-time student, Sandra spent hours counting the costs.

Since finances were tight, she decided to look for a scholarship first, then go back to school only if God paved the way. On the World Wide Web she found Calgon's competition. But to meet contest requirements, she needed to be enrolled in classes.

Her search shifted as she hunted for a school with an appealing art program.

Although she lives less than five miles from the university, Sandra has always been an active member of the Church of Christ and was unfamiliar with Southern. But one day she found its Web site and discov-

into pies, mashed into applesauce, or even fried up Southern style. Our knowledge is not to be preserved for a hard winter; it is a fruit to be spread among those who touch our lives. However, the seed of knowledge within us is waiting to be sown. Our ability to effectively plant those seeds and wait for harvest time is crucial. In America, we have the ability to dine at the table of education and consume enough to fill ourselves with skills for higher learning and for life. Those who stop here already have a definite advantage. Those who choose to go on to higher education see that the strains of their time, effort, and finances are well worth the investment. Thus, the seeds of knowledge planted at the core of each individual are waiting to perpetuate another generation. The lives touched through one individual's seeds of knowledge are immeasurable. Definitely, education is the apple.

Furthermore, education gives us an edge. It is invaluable, it is insurance, it is a responsibility, and it is a new beginning that lasts forever. A well-rounded education is priceless! At no point can it be replaced. Education brings sustenance, self-worth, and identity. It is a precious investment of self, time, and finance that cannot be bought or sold. Harvests are gathered in one's social development, cultural awareness, mental growth, and recreation; these

bountiful harvests are priceless.


In addition, the effects of both the apple and education can be permanent. In nutrition, a steady diet of apples has been proven to be beneficial by the adage "an apple a day keeps the doctor away." However, simply eating an apple every day does not protect one from health problems. In the same way, education does not protect the bearer from natural disasters, family emergencies, or stock market crashes. Nonetheless, education does give surety for the bearer to rebound. In today's job market, you must know your industry and be responsible for keeping yourself competitive. Education is the answer. Therefore, the permanent quality of education makes it a sound investment. It cannot be stolen or even go out of date. Unlike the apple, education will not wither and rot over time. But like a precious, sweet apple wine, it will become better through age and the tests of life.

Finally, education offers the freedom to choose one's life work and the security of having usable skills. But accountability falls on the possessor as well. There is an obligation brought on by one's education to affect others' lives. When harvesting apples, one may choose to make applesauce,

apple butter, or create a delicious apple pie. When harvesting an education, one may choose to spread his knowledge or use it to better relate to others. He may help a company grow, set examples that change others' lives, or simply use his knowledge to make a happy, healthy home. Thus, freedom, security, and accountability combine in a delicious pie, worthy to be served in any home, at any small-town diner, or even at the Ritz!

Like a young apple tree bearing its first blooms in promise of fruit to come, the person with an education has the promise of the all-American dream in his hands. Well-educated, armed with reason and understanding, this person possesses the potential of one tree in the vast orchard of the world. The harvest of one tree can only go so far, but the effect of the whole orchard touches many lives. Our world is the same. At any age, during any stage in life, and in any field, new ideas are nourished by the input of fresh information. We need the teachers who start the education, and we need the harvesters and farmers to keep our orchards productive. Indeed, education produces the fruits to fill the world's baskets.

So the next time you are zipping through the grocery or strolling through the farmers' market, take a moment to pay tribute to our all-American symbol of education. Remember that the apple symbolizes more than just fruit. It represents the irreplaceable

investment that keeps the orchards of life producing for everyone. Go ahead: stake your claim on the apple of your choice, whether it be a crunchy Granny Smith, a juicy Red Delicious, a tart Winesap, or a sweet Golden Delicious; there is an orchard that produces fruit to satisfy any taste. Go ahead; bite into the apple of education and experience the priceless taste that will have a permanent effect on the knowledge, freedom, and security to fulfill your American dream! 



Sandra Owens

Words

ered the graphic arts program described there. After meeting with Wayne Hazen, chair of the Art and Graphic Design Department, she determined to step out in faith and enroll. "When I saw the sincerity in his desire to produce productive artists," she said, "I was certain that I wanted to be part of his program."

With just four weeks to complete her final entry, Sandra immediately began planning. Contest rules stated that each essay must arrive in a box small enough to fit through a door. It seemed obvious to Sandra that her work should be three-dimensional.

During spring break, this busy mom worked up to 10 hours a day at her layout table to create a book of nine sequential panels. They showed an apple being eaten away throughout the 1,000-word essay. Sandra's prize-winning art book was packaged as a giant apple nestled in a bushel basket—"a classy piece" representing more than 100 hours of labor. "God gave Sandra the skills," commented Professor Hazen. "He has a special place for those who are willing to push the parameters to reach creative heights."

"I prayed to win," she recalls, "and also I prayed that if I didn't win, then I would know that I was chasing down my own personal dream and not my calling from God."

Sandra Owens did win. The \$2,500 scholarship allowed her to become a full-time student. And it brought a winner to Southern.

compiled by Kristin Stagg

- **Southern Village** is the name of a small new community for married students to be located on the hillside across from the Collegedale Church. The clinic building formerly in that area has been razed. Two-story apartment buildings and a central playground are planned. Marty Hamilton, director of property and industry development, hopes to see three buildings, for a total of 24 apartments, ready by the fall semester. Other units may be added later to house older single students.

- A growing group of employees are participating in the **"Who Cares?" prayer ministry**. It started in the fall of 1998 when three individuals began meeting each week to lift up students and their needs in prayer. This year seven prayer boxes were distributed all over campus so students could share their specific prayer needs. In the first week alone, Diana Fish collected about 40 requests from those boxes. The group meets in the dining hall on Monday

at noon, and requests are divided among employees who pray all during the week.

- A new kind of degree will be offered by the School of Computing in the fall of 2000. This **dual five-year computing degree** will give students a bachelor of science and a master of software engineering by the time they graduate. The School of Computing now has five PhDs among its faculty and has formed a wide variety of industrial alliances for its internship program. Don Tucker has transferred from Student Finance to help the school expand and to recruit students for the master's program.

- **Catch 77**, a group of five students from Southern, was invited to perform for the division-wide New Year's eve satellite party. This young adult evangelism initiative, known as g2K or the Genesis 2000 project, featured a live uplink from four different time zones across the United States. The satellite party was designed to raise awareness, solidarity, and enthusiasm

for 12 months of youth evangelism in the year 2000. Young people in New York City, Dallas, Denver, and Grand Terrace, Calif., pooled their talents to provide a one-hour broadcast from each of the four locations. Catch 77 is an acoustic band that released a self-titled CD in April 1999. Members Matt and Dave Tolbert, Dave Oakley, Don Gladden, and Scott Callender performed at the Denver, Colo., site.

- On January 17, 2000, Southern Adventist University observed **Martin Luther King, Jr. Day** by suspending classes for the first time in its history. A petition signed by 580 students during fall '98 semester brought the issue before the faculty last year.

- More than 1,000 university students took advantage of the **Faculty Home-Vespers** sponsored by the office of CARE (Collegiate Adventists Reaching Everyone). Instead of a traditional Friday evening vespers program in the church, students welcomed the first Sabbath in October at the homes of about 65 faculty and staff members. Light meals or refreshments were served at most locations, and several homes featured bonfires or student-led programs. The overwhelming turnout encouraged CARE officers to consider making it an annual event.

- On January 14, Walter Pearson from the Breath of Life Ministries in California held the first of three services as part of a special weekend for sophomore theology majors. A **ministerial trainee induction** ceremony officially welcomed these students into the university's theology program. In September, 19 senior ministerial candidates and eight religious education candidates were recognized by faculty from the School of Religion at Southern. Hal Thomsen, president of the Southern New England Conference, was the speaker.

- Six Southern students spent a long weekend this fall volunteering in a multi-agency distribution center in **Rocky Mount, N.C.** Ken Arany, Will Cordis, Mike Fraser, Evelyn Hillmon, Karina Preuss, and Janelle Wasmer assisted victims of the flooding caused by Hurricane Floyd. Faculty and others at Southern contributed cash and rearranged schedules for students who missed class to help out.

Bill Taylor



Painting Unveiled at Daniells Hall

Two Chattanooga artists collaborated on this mural unveiled in October 1999. The world provides the background for various curricular elements within Social Work and Family Studies. God's hands cradle the world and embrace the graduates. Award-winning painter Rachele Burkette used oils for Sphere of Life. Guided by a dream, Hollye Kile drew the original images.

- More than 600 university students volunteered to work in 30 locations for the sixth annual Community Service Day. In close cooperation with the Chattanooga Volunteer Center, the Student Association recruited students to help with projects all over the Chattanooga area. Following a devotional, students headed out to various activities, ranging from classroom work with children to visiting the elderly to helping the National Park Service plant trees and clean up Point Park on Lookout Mountain. The Student Association also provided a "make-up" community service opportunity for those who missed the first day yet still wanted to get involved.

- Over 560 academy seniors attended ViewSouthern October 3 to 5. A battle re-enactment by the Civil War class and a 10-minute performance by the Gym-Masters gave potential students a spectacular introduction to campus life. Nearly every academic department held seminars or competitions for the seniors, and \$98,000 worth of scholarships were awarded. As a bonus, 274 students took advantage of the opportunity to turn in an application without paying the standard fee. PreviewSouthern will be held April 6 and 7 and will target high school seniors and prospective transfer students interested in transferring from other colleges.

- The graduate application is now online. Citizens or legal residents of the U.S. can complete an application for graduate or undergraduate study right from their computers. It does not have to be completed in one sitting, either. Once finished, applicants can pay the \$25 application fee by a secured credit card transaction or by a checking account transfer. International students who wish to enroll for classes offered at the Collegedale campus can print an application form and return it by mail. Both graduate and undergraduate applications can be accessed from Southern's home page at www.southern.edu

- Two new graduate nursing degrees will be available in August 2000. The MSN/MBA degree will give nurses expertise in nursing, business, and health care administration. The Adult Nurse Practitioner degree will prepare students to provide advanced nursing care for individuals, families, and communities. Dr. Phil Hunt,



Students Produce TV Newscast

"Welcome to JCTV News . . ." That's the name of the weekly newscast produced first semester by the Journalism and Communication Department. The 15-minute campus program is a cooperative effort involving 16 students in Video Production I and TV News Reporting and Performance.

TV News is a required course for senior broadcast journalism majors. In the past, these students not only reported and anchored the newscast, but also did all of the taping and post-production work. As a result, the show was broadcast only a few times during the semester.

This year professors Stephen Ruf and Dr. Volker Henning decided to make JCTV a combined project for their two classes. Video Production I students operate the cameras and other behind-the-scenes equipment, while TV News students provide the talent in front of the cameras. This teamwork, combined with access to a television set donated by Chattanooga's NBC affiliate, WRCB-TV 3, enabled the students to produce nine different programs. In a typical week, the students spend about three hours taping, four hours editing, and countless hours outside of class preparing scripts and taping stories.

The newscast is taped on Wednesdays and played the next day in the cafeteria during lunchtime. Each program covers events on campus, student-interest features, and a few stories from the Collegedale community.

dean of the School of Nursing, is working closely with local hospitals and other health-care agencies to develop the program. Graduates with baccalaureate degrees in nursing should apply by July 15, 2000, for priority processing.

- The Journalism and Communication Department is offering a new topics course in Intercultural Communication for the winter semester. This upper-division course examines cultural influences in communication across ethnic and national boundaries. It is designed for prospective Student Missionaries, students pursuing international careers, or anyone wishing to sharpen their communication skills. Dr. John Keyes, the instructor, has traveled on all continents except Antarctica and South America. He worked for 15 years in the Orient. His dissertation was on attitudes of the majority toward minority culture.

- The annual Student Missions Call-Book Fair gave interested students an opportunity to find positions open for the

2000-01 school year. Former Student Missionaries were on hand to share experiences, give advice, and encourage others. This fair was coupled with a convocation on October 7, during which six students shared their stories and the entire assembly was able to hear a real-time conversation with a current Student Missionary in Ecuador via a radio connection.

- Six "technologically delivered" classes are online or scheduled to be there soon, utilizing Web CT software. Two are MBA classes, three are undergraduate education classes, and one is a graduate education course, Technology and the Educator.

- Back covers of four North American Division issues of the *Adventist Review* feature ads for academic areas at Southern. An ad in January announced the online MBA degree; the February ad focuses on the art-graphic design animation major, the March issue heralds the adult nurse practitioner graduate degree, and April's centers on the School of Computing.



A fish-eye view of the campus church at Helderberg College

It's a Small World after all

by Debra J. Hicks

Before long, Southern Adventist University will issue degrees to graduates who have never set foot in the USA, let alone Collegedale. They won't be honorary degrees, either. They'll be earned the good, old-fashioned way by students in South Africa, India, Bolivia, and Bangladesh.

In January 1997, Helderberg College in South Africa became the first overseas school to affiliate with Southern Adventist University. For three years students there have been pursuing a bachelor of business administration (BBA) degree from Southern. The program started small with 13 first-year students and enrolled 44 this school year, which ended mid-November.

Although Southern is required to make an on-site inspection at Helderberg only once each year, representatives from the Tennessee campus have traveled to South Africa five times since the partnership began. Three teachers from the School of Business and Management have visited with faculty and students there.

Dr. Bert Coolidge, professor of business, flew to South Africa in July 1998 to teach an intensive 40-hour investment course. His 16 students were from eight countries.

Southern plans to bring Helderberg's teachers to Tennessee occasionally, as well. Their school year runs on the quarter system

and begins in late January. Last August, Dr. Maritu Wagaw sacrificed her "summer break" (actually during South Africa's winter) to teach Survey of Economics on the Collegedale campus.

Journalism major Daniel Olson was in her class. "Dr. Wagaw was intriguing in the sense that she could always offer a comparison between South Africa and the United States in regard to the economy, trade policies, and the banking system," he concluded.

"This type of interaction internationalizes the programs at both schools," said Dr. Don Van Ornam,

dean of the School of Business and Management. Spending time in the States helps Helderberg teachers understand Southern's programs and philosophy. Also, the teacher exchange gives students at both institutions opportunity to broaden their thinking.

According to Dr. George Bahcock, vice president for academic administration, Southern has received more than a dozen affiliation requests since it became a university in 1996.

Off-site programs share several characteristics. Each institution must demonstrate a legitimate need for affiliation, such as inability to obtain local accreditation. (In much of the world, private colleges are not allowed to issue their own accredited degrees. Government

Extending Southern's reach through campuses around the world

universities reserve that privilege for themselves.) Southern does not offer all degrees on a given campus, but works instead with one or two departments such as business or education.

These newly forged partnerships benefit Southern by giving it an international presence and producing students who are much more likely to enroll in the growing number of graduate degree programs Southern offers.

By contract, each off-site campus pays Southern a flat fee. A participating school pays all expenses when Southern faculty or accreditation team members travel to make an inspection.

In the approved subject area, courses offered on an off-site campus actually become SAU courses. Dr. Babcock and others inspect the institution's academic program, faculty qualifications, enrollment criteria, library holdings, and physical facilities. Schools must have adequate financial resources and Internet service.

Southern Association of Colleges and Schools,* the agency that issues Southern Adventist University's accreditation, wants each new program to run for one complete school year before it makes an evaluation. A three-person team from the agency inspected the Helderberg College program in February 1999, and it passed with flying colors.

Southern's partnership with Spicer Memorial College in Pune, India, began last June. About 40 students transferred into the undergraduate program, and 25 have enrolled in the master of business administration (MBA) program. Dr. John Zachariah, dean of Spicer's School of Business, anticipates an enrollment of 100 graduate and 300 undergraduate students by 2003.

Located southeast of Bombay, Pune is an educational and industrial center. The school is nestled among lush greenery near the Mull River. Its 75-acre campus was established in 1915.

The School of Business is spacious, with a large lobby, ample office space, 11 classrooms, and an auditorium seating 300. Dr. Zachariah says that its 10 resident faculty and three part-time instructors are well-qualified and committed to the training of young people in a Christian environment.

About eight hours northwest of Spicer Memorial College lies another institution that offers Southern's graduate and undergraduate business degrees. Adventist College of Management Studies is located in Surat, India, on the Arabian Sea coast. It's a wealthy industrial city known for its ruby and diamond cutting.

People consider Adventist College of Management Studies prestigious because it follows an English curriculum, and they wait in line for application forms. The Southeast Asia Division calls it a mission school because it is designed for unchurched young people. Of its 4,000 students, more than 95 percent are Hindu.

In what some call a miracle, the Central Government's Ministry of Education authorized the college to become a recognized school on condition that it secure accreditation with a foreign (preferably American) university. Its request to Southern to become an off-site campus was approved in September 1998.

Southern's linkage with Bolivia Adventist University in the South American city of Cochabamba began in December 1999 with a master of science in education curriculum emphasizing educational administration and supervision.

This request was initiated not by the Adventist university, but by the Bolivian government's minister of education. One day as he was surfing the Internet from his office in the capital city of La Paz, he found the Web site for Southern Adventist University. This sparked his interest, because he was acquainted with the Adventist university in Cochabamba.

"The Adventist university is better than any of the state schools," the minister of education declared. "I know it's the best, because I send my two sons there."

At the gentleman's request, Dr. Babcock flew down to Bolivia along with Dr. Alberto dos Santos, dean of the School of Education and Psychology. The Bolivian official explained his government's desire to offer a master's degree in education. Southern's program would operate on the campus of Bolivia Adventist University as the official government-approved program.

Two education classes run December/January (summer in South America), and two more in May/June. The MBA program with a management emphasis will be added in May on the Bolivian campus.

Selected business degrees are being offered also at the Adventist University of Bangladesh. An undergraduate business enrollment of 267 was anticipated for January 2000.

"Although the country of Bangladesh is considered the poorest of the poor, there's a lot of wealth there," reported Dr. Van Ornam after his evaluation visit. Our affiliate there in Goalbathan has four full-time and two part-time business professors with doctorates. Their labs are equipped with Pentium IIIs, and the library is expanding.

Dr. Babcock sees off-site programs as an opportunity to serve Southern's sister schools and to extend the university's influence globally. Dr. Van Ornam observed that the Seventh-day Adventist educational system is accepted in many countries where other church initiatives are rejected.

Moise Umukunzi, who just completed his third year in the BBA program at Helderberg, admits it feels weird to receive a degree from a school he's never visited.

"But I wasn't going to attend Helderberg if the SAU degree wasn't offered," said Moise, who was born 22 years ago in Rwanda. "An American degree has a lot of weight." ❧



The music building on the campus in Cochabamba, Bolivia



Accounting staff at work in the school office in Surat, India



The ladies' dormitory at Helderberg College in South Africa



Many countries are represented among students at Helderberg



An Adventist mission college is in Surat, gem capital of India.



Spicer students are from 37 countries and speak 60 languages.

* 1866 Southern Lane, Decatur, Georgia 30033-4097, phone 404 679 4501

- Graduate counseling student **Sam Thomas** launched a fund-raising campaign this school year to benefit a child diagnosed with leukemia. After hearing a prayer for three-year-old Joseph Dewild, he was impressed to help. Thomas knew Joseph's father, **Joel Dewild**, '98, a pastor in the Georgia-Cumberland Conference. Thomas also knew firsthand how difficult and expensive it can be to have a child undergo cancer treatment. His own son, **Caleb**, spent a year at St. Jude Children's Research Hospital in Memphis, Tenn., after his tumor was discovered. Thomas opened an account at the Collegedale Credit Union and has been encouraging people to give what they can to help Joseph. In a period of three months, about \$2,000 was collected.

- **Teresa Gonzalez** has replaced **Darel Tetz** as the university's senior accountant. She graduated with her BBA degree from Weber College in 1989. She recently moved with her family from Avon Park, Fla., where she worked at Florida Physicians Medical Group, a division of Florida Hospital in Orlando. Her husband, **Bey**, is a theology student at Southern, and they have two boys in elementary school.

- **Don Tucker** flew to Washington, D.C., in November while still director of Student Finance (see news item on page 18) to participate in *USA Today's* panel of financial aid experts who took hotline calls from across the country.

- "Got Death?" That was the question asked by a wary skeleton on the winning poster created for Drug and Alcohol Awareness Week by **Ariel Childers**. A

sophomore majoring in art and English, she received a \$500 savings bond for her entry. **Jorge Baute**, a graduate religion student, won second place and a \$100 savings bond. Third prize and a \$50 bond went to senior graphic design major **Krystal Smith**. Both students and faculty told why

they had chosen *not* to use alcohol or drugs, and several guests made presentations throughout the week. They heard from a highway patrol safety officer, a city

judge, and a speaker for Mothers Against Drunk Driving (MADD).

- This year two freshmen were among the nine winners of *Insight* magazine's 1999 writing contest. **Adam Ruf** and **Heather Lee** tied for third place in the student short-story category, which entitled each of the students to a \$150 cash award.



Adam Ruf



Heather Lee

major, will be published the following week. The first-place award of \$250 in the general short story category went to Southern graduate **Stephanie Gulke**, '98. Look for her article "Why Didn't I?" in the March 18, 2000, issue.

- Seven new members joined the university's Board of Trustees this year. **Dan Houghton** is the president of Hart Research Center in Fallbrook, Calif., and the past-president of Adventist-laymen's Services and Industries (ASI). **Bill McGhinnis**, '69, is president of the university's Committee of 100 and lives in Ooltewah, Tenn. **Dr. A. David Jimenez**, '75, is the president and chief executive officer of Mercy Health Partners in Toledo, Ohio. **Jay McElroy**, '87, is president of McElroy Truck Lines in Cuba, Ala. **Mark Schiefer**, '77, is owner of Schiefer Motels Inc. in Treasure Island, Fla. **Melanie Graves**, '81, is a homemaker living in Dunlap, Tenn., and **Dr. Jeffery H. White** is a physician at the Dalton Pediatric Medical Center in Dalton, Ga.

- **Dr. Philip Samaan**, professor of religion, has been chosen to fill the Ellen G. White Memorial Chair upon the retirement of **Dr. Jack Blanco** in June. Dr. Blanco has been teaching at Southern since 1983 and has served as dean of the School of Religion for

the past 11 years. **Dr. Ron Clouzet**, professor of ministry and evangelism, is dean-elect of the School of Religion.

- Four Southern Adventist University employees have recently retired. Bindery worker **Gordon Armstrong** and accounts executive **Forrest Wentz** have both worked at the College Press since 1973. **Bob Silver**, director of telecounseling, completed 15 years of service at Southern, and **Rosalind Chambers** has served as secretary for the School of Nursing for more than eight years at the Florida campus in Orlando.

- Religion professor **Dr. Derek Morris** together with his wife, **Bodil**, and nursing graduate **Ashley (Hall) Hold**, '92, have finished another Trilogy Scripture song compact disc. "Water Brooks," produced by **Larry Culey**, was released in November. The CD consists of 18 contemporary Scripture songs with lyrics from the New King James Version of the Bible. Their two previous releases, "Wells of Salvation" and "Rivers of Living Water," complete the trilogy. Selections from these releases are currently played nationwide on 126 Christian stations belonging to the Family Radio network.

- **Dana Krause**, associate professor of nursing, was the "Friday's Hero" featured on WTVC's evening newscast on October 29.

A reporting team from News-channel 9 followed her from the nursing skills lab on Southern's campus to a local beauty shop, where Krause received her first haircut in almost three years. It was the crowning act in a two-year planned project to benefit Wigs for Kids, a nationwide organization. The 18 inches of hair she contributed is enough to make wigs for two children who are bald due to illness. She hopes this project will inspire students who don't have a lot of money to find creative ways to help others.



Dana Krause (before and after cut)

- **Dr. Larry Hanson** and **Dr. Marvin Robertson**, both of whom retired last May after 33 years of service at Southern, have



been named faculty emeriti. They, along with 28 other individuals, will be listed as emeriti in the university's *Catalog* and are eligible to participate in academic and social events. Dr. Hanson is a professor emeritus of mathematics, and Dr. Robertson is a professor emeritus of music. This honor is reserved for professors, associate professors, or administrators who have retired from 20 or more years of outstanding service at Southern.



- *Christian Investor* is a growing newsletter published by Dr. Cliff Olson, professor of business and management at Southern Adventist University. The eight-page newsletter began as a marketing research project for some of his students and was launched in November 1997. Already it boasts more than 1,000 subscribers. Dr. Olson, who has enjoyed investment research for a long time, considers his publication a teaching effort. "I'm not wanting to tell people what to buy," he says, "but to teach them a basic knowledge so they'll make good decisions and avoid making mistakes." A typical issue covers a broad spectrum of investment topics including stocks, bonds, mutual funds and IRAs. A sample issue and other information are available online at www.christianinvestor.com

- Four Southern Adventist University members of the nursing faculty will be completing their doctoral studies during the year 2000. **MaryAnn Roberts** and **Barbara James** will receive their degrees from the University of Alabama in Birmingham, **Dave Gerstle** from the University of Tennessee in Knoxville, and **Yvonne Scarlett** from the University of Alberta in Canada.

- Dr. **Krystal Bishop**, associate professor of education, and **Jim Segar**, professor of business and management, are co-chairing the steering committee for the university self study being undertaken in preparation for the accreditation visit by the Southern Association of Colleges and Schools in Spring 2002. The institution has been accredited by SACS since 1936 (as a junior college) and 1950 (as a senior college).

it's a good thing

Sunday, February 6, 8 p.m.

Symphony Concerto Concert

Thursday, February 10, 7 p.m.

Steve Green Concert

Monday, February 14, 8 p.m.

Amernet String Quartet/Southern Singers Concert

Tuesday, February 15, 8 p.m.

August Humer, Organ

Saturday, February 19, 8 p.m.

Pops Concert

Tuesday, March 21, 8 p.m.

Max Morath, Piano

Friday, March 31, 8 p.m.

Destiny Drama Company

Sabbath, April 1, 3:30 p.m.

Symphony Orchestra/Southern Singers Concert

Saturday, April 1, 8 p.m.

Gym-Masters Home Show

April 6-7

Preview Southern, for high school seniors

Call 1.800.SOUTHERN

Sunday, April 9, 8 p.m.

Wind Symphony Concert

Sunday, April 16, 6 p.m.

Symphony Guild Dinner Concert

Sunday, April 16, 9 p.m.

Strawberry Festival

Sabbath, April 22

SonRise Resurrection Pageant (free tickets required)

Saturday, April 22, 9 p.m.

Die Meistersinger/Bel Canto Concert

Friday & Sabbath, April 28 & 29

Haydn's "Creation," Symphony Orchestra/Southern Singers

Sunday, May 7, 9:30 a.m.

Commencement

Compiled by Jeonie Tillman and Jonnice Tawsley

30

Margarete (Seilaz) Petersen, '39, has been a teacher, librarian, painter's wife, church worker, traveler, and more. Three years ago she and her husband, Lewis, moved to College Place, Wash., to be near their daughter Beverly Scott, and her family. Their other daughter, Glenda Merklin, lives in Ontario, Calif. At 84, Margarete and Lewis are thankful for life and for the ability to be up and about.

Louise (Scherer) Shorter, '38, passed away on Nov. 4, 1999, in College Place, Wash. After attending Southern she went to Washington Missionary College and got her nursing degree. In 1942 she married Roland Shorter. During her life she had been a missionary nurse and teacher in India, and an art instructor.

40

Frances (Hanberry) Wilson, '48-'49, died June 7, 1999, in Gulfport, Miss. She attended Highland and Forest Lake academies before attending Southern. She was co-owner of Professional Beauty Supply for 15 years, and president of the Sweet Adelines of the Gulf Coast. She left behind a son, a daughter, 2 sisters, and 4 grandchildren.

Byrl (Clayton) Clayton, '44, retired from nursing in 1990. She is a stay-at-home grandmother for 5 grandchildren and 2 step-grandchildren. She also runs errands and drives for her 96-year-old mother and 90-year-old mother-in-law. Her husband, **Marvin**, attended, is a lobbyist for the Florida Fire Fighters Association. Their home is in Lloyd, Fla.

50

Wilbur "Buddy" Brass, '51, died in Burleson, Texas, May 30, 1999. He came to Southern as a new Adventist after naval service during World War II. He pastored for 10 years, then followed his dream of full-time evangelism for the next 30 years. God blessed his efforts with over 3,000 baptisms. He is survived by his wife, Ruth (Howard), attended; children David, Nancy (Kochenower), Wanda (Ferguson), who attended Southern; and Karen (Weber) and Alan who did not; 11 grandchildren, and 3 great-grandchildren.

Ellen (Corbett) Brown, '52, works part time as a nurse for a home health agency. Her husband, Robert, retired from Disney in March and works

part time for the Bob Violett Model Jet Co. The two left their home in Apopka, Fla., on December 15 to help build churches in India. They also spent time in Thailand.

Amos Harrelson, '50, passed away May 18, 1999, from cancer. He was chief accountant at Florida Hospital and retired in 1988 after 34 years of denominational service. He is survived by his wife, Elsie, daughters **Shirley Hill**, '78, and **Joyce Kanavel**, '80, and 2 granddaughters.

Delphyne (Ballard) Keehner, '57, co-owns Sand Mountain Candy, a company founded by her late husband, Arlon Reece, in 1986. He died in 1989. Delphyne has a son, Terry Reece, and a daughter, Debra Ann Grubb, along with 2 grandchildren and 9 step-grandchildren. In 1994 she married Bob Keehner and they live in Bryant, Ala.

Dorothy (Wieland) Russell, attended '56-'57, is celebrating 39 years of marriage to Francis. She plans to take some computer classes at a community college near their Leonardtown, Md., home.

Logan Sturgis, '52, was a pre-nursing student at Southern and went on to graduate at Florida Hospital, then studied anesthesia at Madison Hospital. He worked for more than 40 years as a nurse anesthetist, until retirement following bypass surgery. Logan and his wife, Carol, now live in Havana, Ark.

60

Richard Center, '66, was vacationing in France with his wife, Maxine, and daughter, **Pamela**, '85, when Maxine passed away on Oct. 5, 1999. Their son, **Douglas**, '90, and his family live in Zephyrhills, Fla. Richard lives in Stone Mountain, Ga. and is treasurer of the Southern Union and a member of Southern's Board of Trustees.

Marlene (Weigle) Davis, '66, is a dental secretary for her husband, Victor. They have 4 children, and live in Brookeville, Md.

Bob DuBose, '64, and his wife, Joyce (Pope), retired in 1996 as Florida Conference evangelists and moved to Hot Springs, N.C., where they have built a house in the mountains. The two recently celebrated their 50th wedding anniversary, together with their sons Bob Jr., Rich, Steve, and Dan, and their families at Lake Tahoe.

John Wesley Fowler, '64, retired on Nov. 1, 1999, after 35 years in the ministry, the last two with It Is Written. He and his wife, **Marilyn**, attended, just moved back to their Chattanooga roots on November 2. They were 15 and 14 years old when they first came.

Paul Gebert, '66, did a post-doctorate in the field of materials science and engineering in 1986-

87. He worked as an engineer at Martin Marietta, then he and his wife sailed around the Caribbean for two years. A year later, he returned to Lockheed Martin (a merge made it the largest aerospace company in the world). They enjoy nature and water sports near their Florida home.

Luane Logan, '65, has been teaching at Highland Academy in Portland, Tenn., for 21 years. She teaches piano, bell choir, and accounting. She is also the librarian and choir accompanist.

Marvin Lowman, '66, is executive secretary for the Kentucky-Tennessee Conference. His wife, Donette, works in pediatric dentistry as a certified dental assistant. They live in Goodlettsville, Tenn.

70

Steve and Olive (Miller) Breece, attended '75-'76, live in Tullahoma, Tenn. Steve is a self-employed propeller maker at Tennessee Propellers, and Olive works part time as a church school teacher's assistant and in two local offices. In their local church Steve is head elder, treasurer, and Pathfinder director. Olive is assistant treasurer, Sabbath School coordinator, and on the Pathfinder staff. They have two daughters, Jennifer, 19, a current SAU student, and Stephanie, 16, looking forward to her turn to attend.

Diana Cochran, attended '71-'73, is renovating a 1920s bungalow on five acres on which she grows organic produce, herbs, and flowers. She is committed to help others live a healthier life through natural foods and herbs. Diana lives in Rutherfordton, N.C.

Dave Cress, '79, is vice president of administration for the Georgia-Cumberland Conference. He enjoyed a recent trip to Southeast Asia to visit ADRA projects. His wife, **Lynn (Bandel)**, '83, is a utilization management nurse for Sunbelt Medical management. Three-year-old Meredith is the joy of their lives. The family resides in Calhoun, Ga.

Shawna (Graham) Downs, '76, lives in Sacramento, Calif., and works in the Investigative Crime Analysis Unit for the California Department of Justice.

Cherie (Thompson) Galusha, '79, and her husband, Fred, moved to the northwest a year ago and there she has done some adjunct teaching at Spokane Community College. Prior to the move Cherie chaired the department of nursing at Florida Hospital College of Health Sciences for 6 years. Before that she taught nursing for Southern on the Orlando extension campus for 11 years.

Shirley (Harrelson) Hill, '78, and family have recently returned to their ranch in western Nevada. Her husband, Martin, has been the farm manager at Day Star Academy in Castle Valley,

Utah, for the last three years. Shirley homeschools daughters Cherise, 13, and Mindy, 9.

Kathryn (Ippisch) Irizarry, '72, and her husband, Carlos, are both family practice doctors. While he has a very busy practice, she sees patients one day a week and stays very involved with their one-room church school. She teaches Spanish and music, and works with fund-raising to keep the school going. Their daughter is in academy and son in sixth grade. They live in Minden, La.

John Mathews, '75, now heads the trust department in the Kansas-Nebraska Conference after pastoring in four different conferences around the United States. He works from the Lincoln branch office since his primary responsibility is in Nebraska. John earned a doctorate in ministry at Andrews University. He and wife, Jan, have a daughter, Angela, a freshman at Union College.

Stan Rouse, '72, is now the education superintendent in the Kansas-Nebraska Conference. He was most recently the principal of Blue Mountain Academy for 12 years. He is currently working on his EdD. He and his wife, Donna, have two children: Tony, a sophomore at Southern, and Trisha, an academy senior.

Clarence H. Small, '70, defended his dissertation, *An Evangelistic Strategy to Reach Baby Boomers in Rock Island County, Illinois*, and received his doctorate in ministry from the Seminary at Andrews University. He and his wife, Virginia "Ginger" F. (Fardulis), '70, celebrated with a trip to Israel and Germany. He pastors the Moline, Ill., district and she is a medical secretary. They have two sons, Loren and Chris.

Martha (Duncan) Wilsdorf, attended '76-'79, is a registered nurse currently working on a PRN basis in outpatient and surgery. She is active in the kindergarten department at church and is homeschooling. Martha and her husband, Ben, have daughters Anneliese, 5, and identical twins Rachel and Renae, 4. They live in Linden, Tenn.

80

Bob Folkenberg, '87, and his wife, **Audrey (Gibson)**, '87, now live in Hong Kong. Bob was recently elected to serve as the Global Mission coordinator for the Chinese Union Mission. Audrey works at home caring for their children, Robby, 7, Randy, 5, and Katie, 2.

Chris Hansen, '89, and his wife, Gaylene, are proud to announce the arrival of Abigail Grace, born July 15, 1999. Gaylene works as a nurse in the neonatal intensive care unit at Hutcheson Medical Center in Ft. Oglethorpe, Ga. Chris completed his PhD in 1996 and is an associate professor of physics at Southern.

Mark Hyder, '82, is VP for finance at Atlantic Union College. On May 27 he and his wife, Lisa, added to their family with the birth of a second son, Benjamin. Andrew is 4 and is in preschool.

Joyce (Harrelson) Kanavel, '80, is an executive assistant at the Rollins College department of music. She plays in the college marimba ensemble and sings in the Winter Park Bach Festival Choir near their Florida home. Her husband, Ken, is an RN.

J.T. Shim, '86, and his wife, Bonnie, commissioned their friend **Joseph Miller**, '88, to design a unique Web site to announce the birth of their firstborn son, Adam Li, born on Nov. 5, 1999. Visit the Shims' site at www.angelfire.com/ab2/jts/index.html. When not busy at FedEx or as an instructor for Kaplan Educational Centers, J.T. enjoys time with family, keeps in touch with multitudes of friends and family, and helps track down Southern alumni missing from the database.



A letter he wrote to the editor was published in the March 1999 issue of *Sky*, the in-flight magazine for Delta Air Lines. Address e-mail to shims@compuserve.com

Bill Underwood, attended, is a statement processing manager for the First Tennessee Bank. His wife, **Jeanie (Young)**, '86 and '89, is the new administrative assistant to the mayor of Bartlett, Tenn., near Memphis. Her job includes researching special projects and helping people with their concerns. Their two sons are Brandon and Bryan.

Robert R. Wells, '87, teaches radiologic technology at Carroll Technical Institute in Douglasville, Ga. His wife, **Theda (Mulligan)**, attended '84-'85, stays home to take care of Caroline, almost 1, and Matthew, 3.

Dr. Ronald Numbers, '63, just completed his term as the 1999-2000 president of the American Society of Church History, and he became president of the History of Science Society on Jan. 1, 2000. "Either of these accomplishments would be significant for a scholar," notes Dr. Ben McArthur, chair of the History Department at Southern. "To hold both titles in succession is exceptional."

Ron is currently the William Coleman and Hilldale Professor of the History of Science and Medicine at the University of Wisconsin-Madison. As one of 12 professors in his department, he has directed well over half the dissertations completed by PhD students in the last 10 years.

Throughout his 30-year academic career, Ron has written five books and edited 13 others. One was translated into Italian and Japanese in 1994. His most recent book, *Darwinism Comes to America*, published by Harvard University Press recently won a \$10,000 prize from the Templeton Foundation for outstanding books in theology and the natural sciences. Currently he is working on an eight-volume history of science for Cambridge University Press as well as a one-volume survey of science in America.

For five years, he served as editor of *ISIS*, the world's major journal of the history of science.

Last November Ron was honored as the 1999 Graduate of Distinction during homecoming festivities at Florida State University, where he earned his MA degree. Perhaps his greatest honor was being elected as a fellow of the American Academy of Arts and Sciences several years ago.

An internationally recognized authority on the history of the scientific creation movement, Ron was invited to lecture in May 1999 at the University of Bologna in Italy, the oldest university in the world, and in August at the University of Oxford in England, the oldest university in the English-speaking world. Several years earlier he had returned to his own alma mater to address the Southern Scholars, a select group of honors students who participate in an especially rigorous academic program.

Ron's passion for inspiring young minds prompted him to donate about 90 original World War I posters to the History Department in the late 1980s. The famous "I Want You" poster, depicting Uncle Sam with an outstretched index finger, is one of five that have been framed and now hang in one of the large classrooms on the third floor of Brock Hall.



90

Andrea (Nicholson) Andrews, '91, and her husband, Mark, welcomed their second child, Thomas Will, into the family on June 2, 1999.



Andrea is an independent sales director with Mary Kay Cosmetics and currently qualifying for her second free career car. She enjoys being able to work and stay at home with Thomas and Abby, almost

4. Mark is the senior industrial designer for a firm in Chattanooga. In the Ooltewah Adventist Church Mark is head deacon and Andrea is a Sabbath School teacher and organist. Friends can contact them at abbychat@mindspring.com

Christopher Beason, '98, began pastoring three new churches in Hattiesburg, Laurel, and Columbia, Miss., and is excited about the events taking place. His wife, Christy, has been getting involved in the Women's Ministries at two of the churches, and their daughter, Victoria, is growing fast. Christopher and Christy built a home in Hattiesburg and say they are having fun fixing things up.

Jonathan Michael Borne, '96, works at Union Springs Academy, Union Springs, N.Y. This is his third year teaching science and his first as principal. He and his wife, Laura, have a 1-year-old, Rebecca Lauren.

Daryl Cole, '92, is now vice president for enrollment services at Union College in Lincoln, Neb. He accepted the position in August after working for nearly six years in the public relations department at Southern Adventist University. Daryl's new responsibilities include directing admissions, advertising, marketing, and recruitment for Union College.

James Dittes, '93, and his wife, Jenny, spent this past summer in Albania, working with ADRA to feed refugees from the war in Kosovo. They are now in Florence, S.C., where James teaches high school English and writes. Jenny is a physician's assistant, and mother to their 2-year-old daughter, Elinor.

Janett (Sanchez) Fong, '97, married Phillip Fong in May 1998. Janett is a senior community health nurse for the local health department. Phillip is assistant boys' dean at Forest Lake Academy and also teaches history. They live in Apopka, Fla.

Lynette (McLauchlan) Frantzen, attended '93-'94, got her BA in psychology in 1997 from Walla Walla College. For two years, since her marriage to Sven-Inge Frantzen, she lived in Norway, his

hometown. Sven-Inge now pastors three churches in New Mexico: Clovis, Portales, and Tucumcari. Lynette serves as office manager for the Ninth Division Family and Children's Court Services. They have a daughter, Tory Isabelle, born in July in Norway.

Jeff Gang, '91, and his wife, **Gina (Bietz), '92**, welcomed their daughter, Madison Rachele, on May 6, 1999. Jeff, who was ordained on Sept. 11, 1999, by his father-in-law, Dr. Gordon Bietz, is the youth minister for the Forest Lake Academy Church in Apopka, Fla. He is also working on his PhD by correspondence from Fuller Theological Seminary in California. Gina works part time as a physical therapist at Florida Hospital. They welcome messages from friends at jagang@aig.net



Allen E. Gray, '92, has spent more than half of his career since graduation working in various states across the country as a traveling nurse. Since childhood he has always wanted to travel. His future desire is to be a missionary. Allen's home is in Matland, Fla.

Rob and Angie (Ascher) Howell, both '95, are the proud parents of Ashlyn Rose, born Nov. 2, 1999. Rob, who is Web development supervisor at McKee Foods in Collegedale, is also an adjunct teacher at Southern Adventist University. He teaches Web Design I and II for the Journalism and Communication Department.

Greg Hudson, '93 and '96, graduated from the Seminary at Andrews University in 1998 and now pastors two churches in south Arkansas. He and his wife, **Julie (Hernandez), attended**, have a 2-year-old, Peyton Elizabeth, and a son, Brandon Alexander, born Nov. 12, 1999.

David and Marquita (Counts) Klinedinst, both '94, live in western Pennsylvania (Canonsburg), where David pastors a three-church district. They married on July 9, 1995. Marquita is a registered nurse and they enjoy holding evangelistic crusades.

Peter Kroil, '93, and his wife, **Julie (Bietz), '92**, have welcomed a new daughter into their



family. Avery Caroline was born June 10, 1999. Julie is employed as a physical therapist in the neonatal intensive care unit at Loma Linda University Medical Center in California, and Peter is in an anesthesiology residency at LLUMC. The Kroils' e-mail address is pbkroil@pol.net

Steven Kurti, Jr., '98, is working on his PhD in physics at Case Western Reserve University in Cleveland, Ohio.

Anca "Mona" Marinel, '96, spent a year as a Student Missionary at an orphanage in Romania after she graduated with her AS in nursing. Now she has her BS in nursing from Loma Linda University and has been working there in the pediatric acute care unit for two years.

Bonnie Mattheus, '99, is now employed by Housecall Hospice in Chattanooga.

Ira, '91, and **Cindy (Wright) Mills, '93**, reside in Conroe, Texas. Ira is teaching science, mathematics, and Bible classes at Conroe Adventist Junior Academy. In the summer he works on his master's degree in education, administration and supervision at Southern Adventist University. Cindy is working as a nurse. Ira's e-mail address is ivmills@southern.edu

Adam Mohns, '97, and his wife, **Amanda (Prentice), '99**, have a new daughter, Kianna Eden, born July 7, 1999. Adam teaches at College Park Elementary School in Oshawa and they make their home in Courtice, Ontario.

Chris Moore, '94, is in his second year of residence at Yale University, specializing in reconstructive and revisional foot and ankle surgery. His wife, **Joy (Kitchen), attended**, says she enjoys her work as a podiatric medical assistant. They are both looking forward to moving back to Tennessee in 2002. The Moores live in Milford, Conn.

Sean Pitman, '93, received his medical degree from Loma Linda University under an army scholarship program. After finishing his internship in Augusta, Ga., he went to Korea to work at an army medical clinic and urgent care for a year. He is now in El Paso working in a clinic and will start a neuropathology residency in 2001.

Rachel Reyes, '95, married Jose Fuentes from Atlantic Union College on March 1, 1998. She teaches second grade at Forest Lake Education Center in Orlando, and Jose teaches lower grades physical education.

Hans Schermerhorn, '92, remarried on Jan. 11, 1999, to Angela Michele Pate. He works for Pershing Yoakley & Associates, a CPA firm in Knoxville, as a reimbursement consultant.

Grant Schlisner, '93, is employed as a physical therapist at the Center for Sports Medicine and Orthopaedics in Chattanooga. His wife, **Jill (Sasser), '93**, works as an emergency room nurse at East Ridge Hospital and is co-owner of a catering business. She is also active in their local church. Their son, Jackson Ryan, was born Nov. 4, 1998. The Schlisners can be reached by e-mail at gscshisner@aol.com

Alim Seytoff, '99, is an international broadcaster at Radio Free Asia in Washington, D.C. He enjoys reading, writing, reporting, and learning foreign languages. He swims, hikes, bikes, and plays soccer. He promotes human rights, religious freedom, and democracy in his country—Eastern Turkistan.

Greg Shank, '95, graduated from Loma Linda University School of Medicine and is taking a general surgery residency for the next five years at the Robert Packer Hospital in Sayre, Pa. He lives across the line in Summersville, W.Va.

Angela (Brackett) Veness, '91, and **Evan Veness**, '91, married in 1992. They live in Morganton, N.C., and have two girls, Alexis Renee, almost 4, and Samantha Jordan, 8 months. Angela is a full-time mom. Evan works for the Brackett Brothers lumber company.

Jeff Wait, '93, and his wife, **Jackie (Phalen)**, '94, live in Lafayette, La., where Jeff pastors the Lafayette and New Iberia churches. He was ordained to the ministry on November 20. Jackie works as a nurse at Lafayette General Hospital. Their daughter, Kara, is 2.



At Rest

Dr. Huldreich H. "Boots" Kuhlman, 85, professor emeritus of biology, died Oct. 5, 1999. Known as "Mr. Science of Southern Missionary," he witnessed steady growth in the Biology Department, which he chaired from 1946-80. For example, the department had four microscopes when he arrived on campus and 144 by the time he retired. He continued to teach part time until 1987. For more than 30 years he served as head deacon for the Collegedale Church.

He is survived by his wife, Marian; a son, Charles, of Chattanooga; a daughter, Beverly Kuhlman Kinney, of Longwood, Fla.; a sister, Rose Brittain, of Spring, Texas; and four grandchildren. His nephew, Dr. Henry Kuhlman, is a professor of physics at Southern.

Niel Sorenson, 82, who helped keep Southern's grounds beautiful for 34 years, died on Aug. 15, 1999. Ruby, his wife of more than 50 years, continues to work part time for the university's Food Service.

The Sorensons worked together at River Plate Adventist University in Argentina and later in Ethiopia. They also took a one-year leave from their service at Southern to volunteer in Rwanda.

Survivors include his wife; daughters Nancy Hellgren and Chiqui Gustavsson, '81, and sons

Lief, Eric, and Temesgan. Memorial gifts may be directed to the Nursing Alumni Endowment Fund.

Aubrey King, 86, assistant treasurer from 1957-1962, died Sept. 23, 1999. He was a 1932 graduate of Southern Junior College.

He was treasurer and accountant of Southern Mercantile for two years before joining the staff of Southern Missionary College. His 38 years of service for the Seventh-day Adventist Church also included positions in Michigan, Egypt, Lebanon, and Florida.

Survivors include his wife, Mary; a son, Roger;

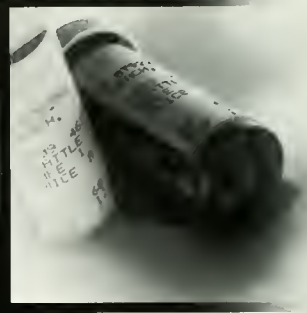
a daughter, Sarah Reeves; plus grandchildren and great-grandchildren.

Dorothy Giacomozzi, 70, affectionately called "Jackie" by students and faculty, died of cancer on May 5, 1999. She was an associate professor of nursing at Southern from 1979-1987.

After retirement, she remained active in her church and community and gladly accepted invitations to speak to nursing students at Southern.

Survivors include her husband, Ed, and their three sons. Larry and Brian live in Collegedale, Tenn., and Kent lives in Chicago, Ill.

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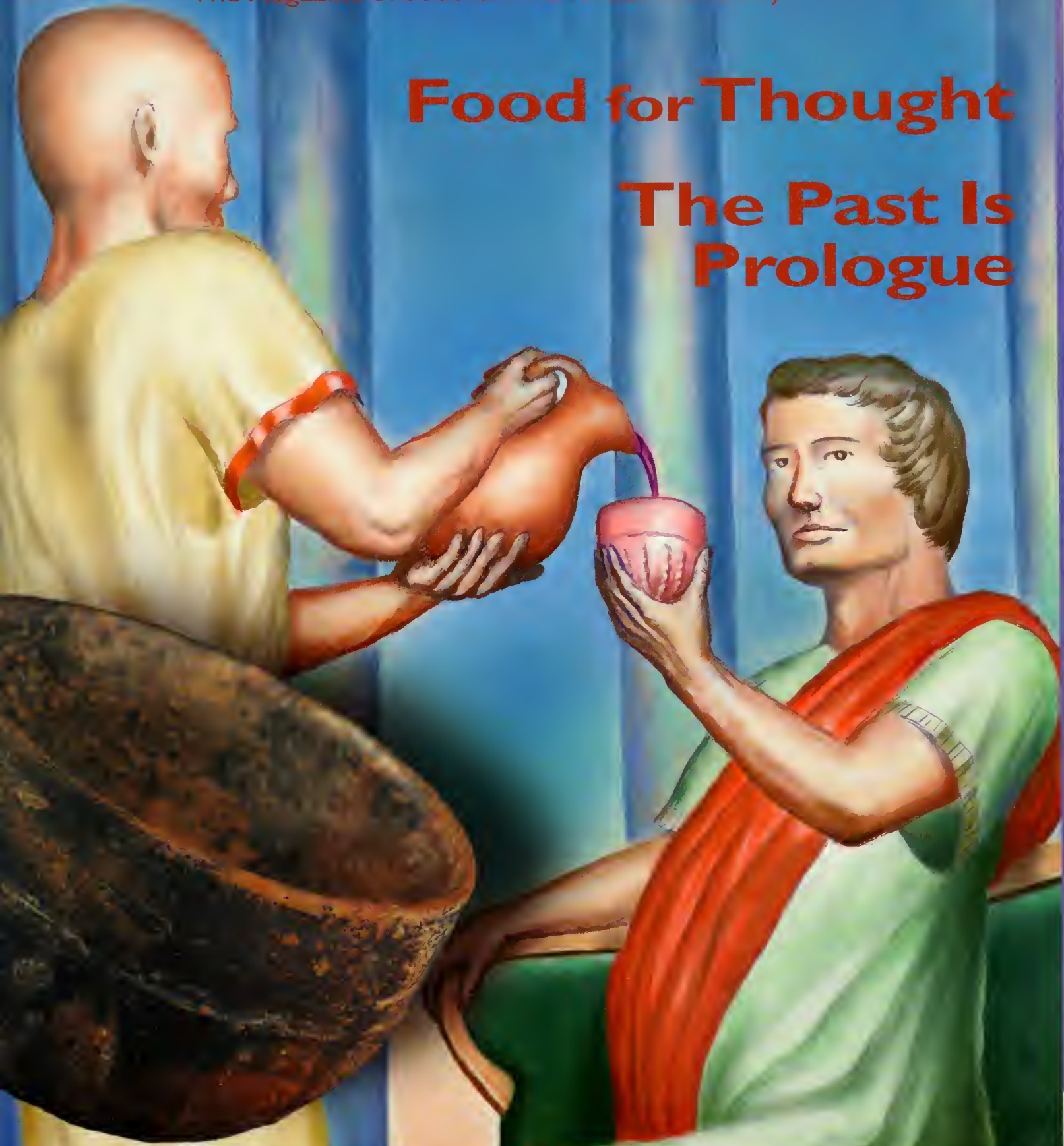
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