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School of Nursing dean Helen Emori King (standing, second from left) joined her family in Washington, D.C., for the signing of the reparations bill. Pictured (seated) are Susumu Emori, 82, his wife, Sumi, 76. Standing are (from left) David Emori, Dr. King, Captain Grace Emori, and Dr. Walter Emori.

SN dean and family attend reparation ceremony, donate monies to nursing scholarship fund

When Loma Linda University offered jobs and housing to Susumu and Sumi Emori and their four small children in 1945, soon after the Emori's release from a Japanese-American internment camp, they had no way of knowing that one of those children would grow up to make significant contributions to the school.

As dean of the School of Nursing since 1981, Helen Emori King, PhD, has added to the academic excellence for which Loma Linda University strives. Recently, she has also been in-

strumental in establishing a new scholarship endowment for the School of Nursing.

In 1942, at the age of seven, Helen Emori and her family were taken to a Japanese-American internment camp following the bombing of Pearl Harbor. Over 120,000 were held in such camps during the war.

After their release in 1945, the Emori family settled in Pomona, where they worked on extension land owned by the University.

"One of the reasons why we had an easier time merging back into American society has been

the role of the church," says Dr. King. "We were provided a home and job, and the community of Seventh-day Adventists were very supportive."

Eventually, all four children attended LLU. Dr. King received her bachelor's and master's degrees in nursing from the University, and returned, after obtaining a doctorate in physiology from Boston University, to be dean at the LLU School of Nursing.

On Wednesday, August 10, 1988, President Reagan signed

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Board of Trustees name new Graduate School dean

The Loma Linda University Board of Trustees named W. Barton Rippon, PhD, professor of biochemistry in the School of Medicine, as the new dean of the Graduate School at their August 21 board meeting, according to Norman J. Woods, PhD, presi-

dent of the University.

Born in Australia in 1942, Dr. Rippon joined the University faculty in 1979 in the department of biochemistry.

Prior to joining Loma Linda University, Dr. Rippon taught at Walla Walla College, College Place, Washington, in the department of chemistry; Case Western Reserve University in Ohio; and at Avondale College in Australia.

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LLUMC animal lab is target of Animal Liberation Front raid

A group claiming to be the Animal Liberation Front (ALF) illegally broke into an animal-care facility at Loma Linda University before dawn on Monday, August 15. A building was vandalized and immunization records and breeding histories of farm animals were stolen. By stealing these records, vandals jeopardized the future care of more than 100 farm goats, a spokesman at Loma Linda University Medical Center said.

No research animals were at the facility, and no significant research material was disturbed or taken. Some nonresearch dogs (two adult dogs and five puppies) were stolen, along with some old records of Dr. Leonard Bailey's already-published research in cross-species transplantation. Damage was estimated to be be-

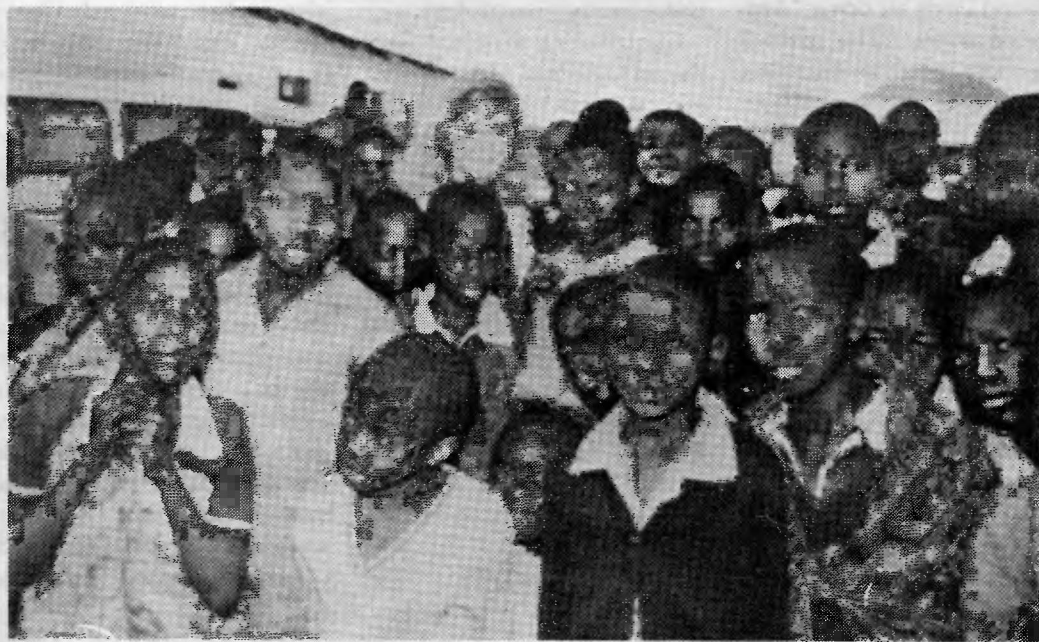
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Anencephalic-infant-donor protocol at MC temporarily suspended

The anencephalic-infant-donor protocol at Loma Linda University Medical Center has been temporarily suspended (with two possible exceptions), pending the evaluation of the Medical Center's experience with the 12 babies enrolled in the program between the middle of February and the middle of July this year, Joyce Peabody, MD, chief of the division of neonatology has announced.

The possible exceptions are two babies who, when they are born, may be entered into the program because of commitments already made to their parents. No other babies, however, will be enrolled, for the time being.

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Junior nursing student Greta Sanchez finds herself surrounded by a group of curious Zambian school children.

SIMS active in four countries this summer

by Patti Lynn Gentry-Guthrie

More than 30 Loma Linda University students participated in SIMS (Students for International Mission Service) projects this summer in Mexico, Pakistan, Philippines, Malawi, and Zambia.

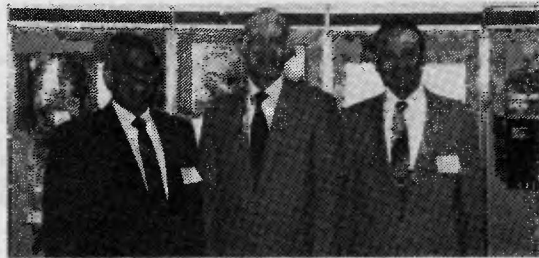
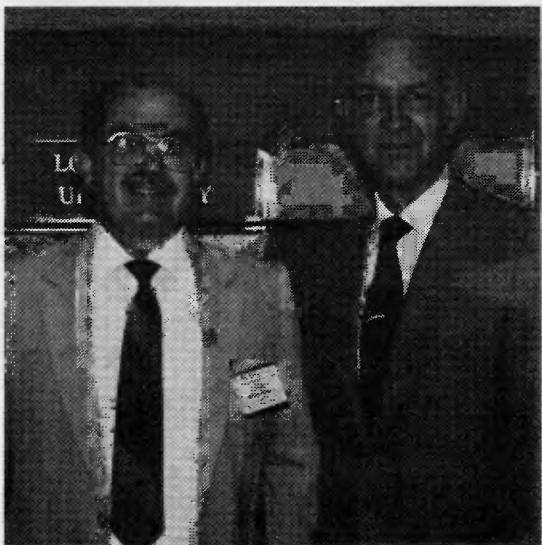
SIMS is a coalition of students from many of the health-related schools at LLU. It was formed in response to the enthusiasm generated from a joint student mission trip to Mexico in 1985. Since then, the number of participating students and the number of projects has greatly increased.

SIMS activities are directed

and supervised by Richard Hart, MD, PhD, chairman of the department of preventive medicine, School of Medicine. Dr. Hart has a rich experience of working in underdeveloped countries and has a special burden for the health of people and children living in third world countries. He developed a child immunization program for Tanzania in the 1970s and specializes in rural community health program development.

Another key SIMS person is Janice Maynor Crayk, who divides her time between SIMS

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Elder Joe Espinosa, Council coordinator, is pictured with Hispanic leaders: (clockwise from left) Alvaro Azevedo, assistant to the president for Hispanic ministries; Milton Peverini, director of the radio broadcast "La Voz de la Esperanza," Jorge Grieve, leader of the TV ministry "Ayer, Hoy y Mañana," Owen Troy,

director of communication for the North American Division; Eradio Alonso, assistant to the president for Hispanic ministries, Pacific Union Conference; and with Pacific Press, Felix Castro, director of subscription literature, Tulio Peverini, director of international publications and editor of *El Centinela*.

Over 300 professionals attend Hispanic Evangelism Council at La Sierra

Over 300 Hispanic pastors and other professionals from across North America met on Loma Linda University's La Sierra campus the week of August 7 to 13, for the Hispanic Evangelism Council of the North American Division.

Led by Elder Joseph Espinosa with the General Conference in Washington, D.C., the council held its first meeting since 1969. At time, says Elder Espinosa,

there were only about 30 in attendance. Since then, rapid growth by missionary work, baptism, and immigration has caused membership in the Hispanic sector to grow to over 60,000.

The conference group is unique, adds Elder Espinosa, in that over 20 different countries and backgrounds were represented.

Beginning Sunday evening with a banquet sponsored by Loma Lin-

da Foods, the council included nightly evangelistic meetings at the Riverside Municipal Auditorium. Elder Eradio Alonso, Pacific Union coordinator, directed the meetings and mini-concerts. Some of the leaders were Elders Pedro Geli and Jacobs with the Adventist Media Center, and Elder Francisco Ottati, leader of the Hispanic work in the Columbia Union. Other prominent evangelists included Salim

Japas, with the Inter-American Division, and Carlos Aeschlimann, with the General Conference.

The Pacific Press was represented by Jose Campos and Tulio Peverini. Dr. Lourdes Morales Gudmundsson, a professor at Connecticut University, and Dr. Ramona Perez Greek, a professor at Auburn University, led out in devotionals. Both prominent women are on the educational committee and are representatives for the GC.

Additionally, Neal Wilson, president of the General Conference of Seventh-day Adventists, and Elder Charles Bradford, also with the GC, spoke on Sabbath.

According to Elder Espinosa, the conference included programs on

AIDS and drug addiction, an American Bible Society presentation, meetings for the women, special activities for the children, and presentations from conference presidents.

The Hispanic section of the church has reached its Harvest 90 goal in just 11 quarters with more than 9,000 baptisms. Says Pastor Alonso, assistant to the president for Hispanic ministries, Pacific Union Conference, "Hispanic pastors are working for a super goal. The Hispanic people and ministers are deeply concerned with Anglo evangelism, and we are praying that the Lord will bring a breakthrough, a new day in Anglo evangelism in the North American Division."

Monthly devotional booklets produced by two Medical Center nurses receive favorable response

Monthly devotional booklets prepared by two Loma Linda University Medical Center nurses for their fellow nurses have made a big hit not only with LLUMC nurses but also with other nurses who have seen them.

The brainchild of Carla Gober, RN, MPH, spiritual care nurse specialist, and Linda Bell, RN, unit educator on Unit 9100, the devotional booklets have a page for each day of the month. Each page contains a poem, or an experience, or other material of a spiritual nature, and a related Bible text.

Ms. Gober and Ms. Bell have written 50 percent of the material themselves. Much of the rest of it has been compilations from other nurses (experiences they have had or material they have read that has special meaning to them). Some material also has been received from chaplains (who supplied the material for one month's issue), patients, and patients' families.

The project began, Ms. Bell explains, when her unit was looking for something to use for a devotional book.

"Carla told me she would look around for something," she states.

"When she couldn't find anything that she thought would be suitable, we decided to write something."

Both nurses have written

things for many years, although Ms. Bell says that she hadn't written for publication before.

"I would write about how I felt about various situations," she explains, "stressful or happy or whatever."

Ms. Gober, who is associate editor of LLUMC's *Nurse in Action*, has written for that publication, as well as for other in-house publications.

One of their goals from the outset, Ms. Gober states, has been "to make God very real to our staff." In planning the booklets, they wanted to give the nursing staff something that was specifically relevant to them, something that would draw them together and give them a sense of community, something that would provide them with an avenue for sharing.

"We want to feed them so that they can feed others," she says.

Their efforts have been very well received, with the June issue, composed of children's prayers to God (written by both Ms. Gober and Ms. Bell), generating the most response. Some mothers have used it at home for devotionals with their children.

The booklets are distributed to all units and nursing departments at LLUMC — "anywhere there are nurses working here," explains Ms. Bell.

They have gone further afield,

however, because Norma Johnston, RN, MPH, vice-president for nursing, has taken them to a number of meetings that she has attended around the country.

"I've shared them with nurse VPs at other Adventist hospitals," she says. "They have been really impressed and have wanted copies."

At least a dozen requests from other hospitals, including one in Canada, have come in for the devotional booklets.

"I think it is tremendous what Carla and Linda are doing," Mrs. Johnston states. "The spiritual component is such an important component in the healing process. I really appreciate their efforts."

In turn, Ms. Gober and Ms. Bell recognize that one of the important factors in their project has been the encouragement they have received from nursing administration.

"This is in existence," Ms. Gober says, "because nursing leadership has backed it."

Several of the devotional booklets are available for sale. Interested persons may contact the secretary in the medical / surgical nursing department at Loma Linda University Medical Center, or telephone (714) 824-0800, extension 2435.

University Press issues book by Dr. Walters on bioethics

Bioethics Today: A New Ethical Vision by James W. Walters, PhD, associate professor of ethics and religion, School of Religion, now in its second printing, was recently released by Loma Linda University Press. Dr. Walters specializes in ethical issues facing neonatology.

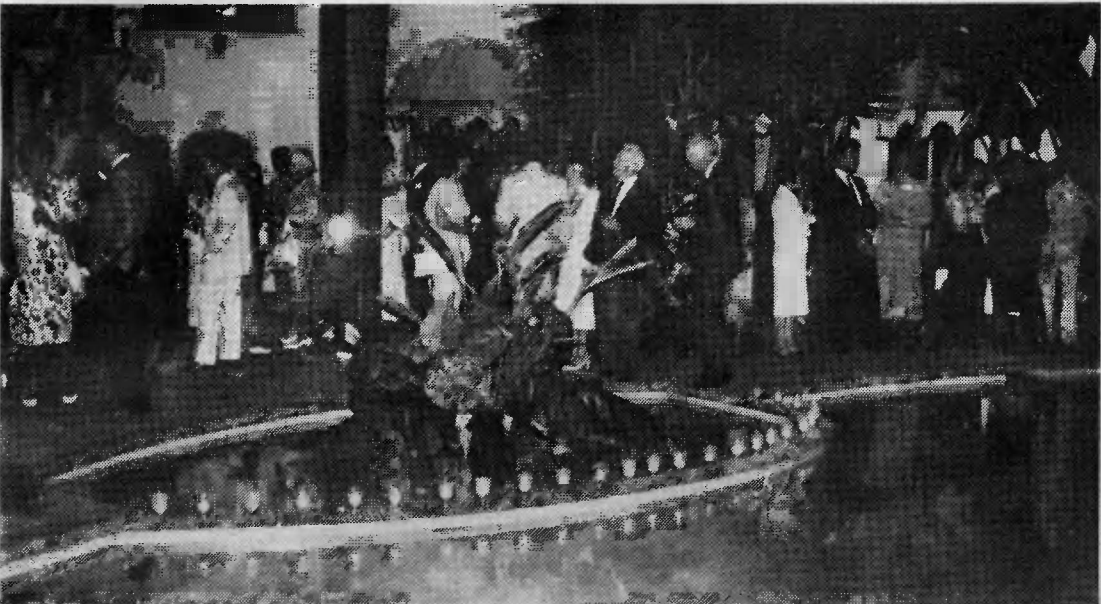
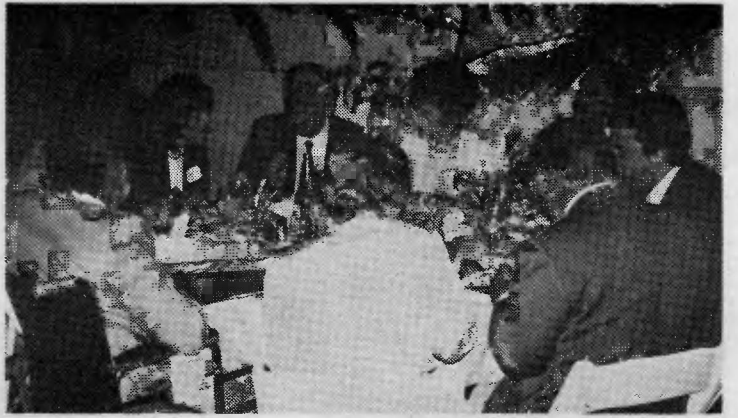
Contributing writers include Daniel Callahan, PhD, director and co-founder of the Hastings Center; Roy Branson, PhD, senior research scholar, Kennedy Institute of Ethics, Georgetown University, and editor of *Spectrum*; Jack W. Provonsha, MD, PhD, long-time professor of Christian ethics and philosophy of religion at LLU; Arthur L. Caplan, PhD, director, Center for Biomedical Ethics at the University of Minnesota; Ronald Bayer, PhD, associate for policy studies at the Hastings Center; Danielle Wuchenich, JD, MPH, a Bay Area attorney; Charles W. Teel, Jr., PhD, professor of sociology and religion, LLU School of Religion; and David R. Larson, PhD, associate professor of Chris-

tian ethics and ethics center director at LLU.

"The essays contained in this book first originated in the conference, 'Biomedical Ethics Today: Old Models and New,' that the Hastings Center and the Center for Christian Bioethics co-sponsored at Loma Linda University in 1985. The majority of these updated papers cohere around the dual themes of technology and justice," writes Dr. Walters in the book's introduction.

"The technological breakthroughs in medicine are progressing exponentially, and they demand continual scrutiny if indeed we are to maintain control over our shiny new tools. The issue of a just distribution of medical care in the United States and in less developed countries, the second theme of this book, is only exacerbated by technological advances which serve a few at great cost."

To obtain the book, contact the School of Religion, LLU, Riverside, CA 92515; (714) 785-2256. Cost is \$6.95 each.



Clockwise from top left: Bernard and Carol Wior host a dinner to raise funds for ALS research at the LLU Immunology Center; Sandra Nehlsen-Cannarella, PhD, director of the center, briefs dinner guests on Center plans; Guests enjoy dinner in the garden; LLU president Norman J. Woods, PhD, right, chats with Mrs. Wior and Mr. Bud Cannarella; More than 150 guests attend the gala event.

Wiors host fund-raising dinner for LLU immunology center research on ALS

A gala fund-raising dinner hosted by Bernard and Carol Wior marked the creation of a center for research on amyotrophic lateral sclerosis (ALS) at Loma Linda University. Over 150 friends and colleagues of the Wiors attended the Thursday evening, August 4, event at the Wior's Hancock Park home. To date, nearly \$100,000 has been raised for the project through the Wiors' efforts.

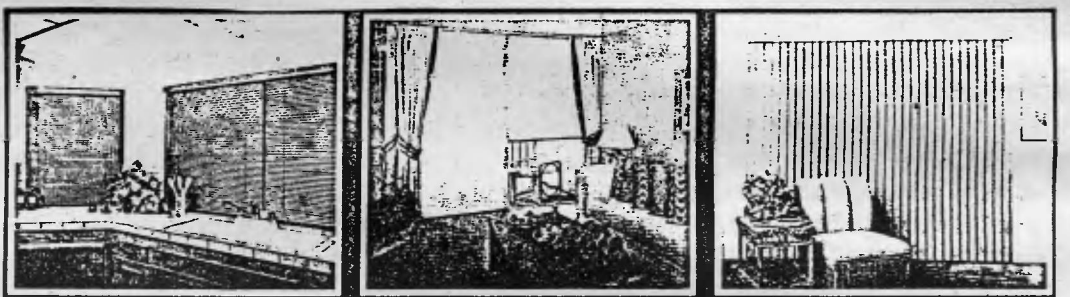
ALS, usually fatal, is one of 40 neuromuscular diseases. It cannot be diagnosed directly, but researchers are examining the possibility that ALS has a strong autoimmune component. LLU immunologists are doing extensive research on ALS, comparing

immune systems of patients with the disease to healthy individuals, and manipulating the immune system response.

The Wiors are owners of the Los Angeles-based Wior Corporation — a prominent garment industry business. Mrs. Wior designed the popular "Slimsuit" line featured in the June 6, 1988, issue of *People* magazine. The Wiors have a personal interest in finding a cure for ALS. Two years ago, Mr. Wior was diagnosed as having the disease, also known as Lou Gehrig's disease.

Sandra Nehlsen-Cannarella, PhD, director of the immunology center, expects the ALS research center to be fully in operation by mid-autumn.

Individuals wishing to participate in this fund-raising endeavor may send contributions to the Loma Linda University ALS Immunology Center, c/o The President's Office, Loma Linda University, Loma Linda, California 92350.



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On August 9, the eve of their first full day of classes, medical students enjoyed a Freshman Welcome Picnic sponsored by the Alumni Association of the School of Medicine.

Classes begin for the 141 members of medicine's incoming freshman class

Orientation for the 141 students of Loma Linda University School of Medicine's Class of 1992 began on August 8, and classes began on August 9.

The 100 male and 41 female students have come from 21 states and 12 foreign countries. The students represent 32 different schools, and 16 members of the class already have advanced degrees beyond the bachelor's.

In anticipation of the freshman medical students' desire to be successful, both as students and as practicing physicians, and to help them make a smooth transition to medical school, a workshop was held Wednesday, August 3, through Friday, August 5, says Phyllis Woods, EdD, associate dean for marketing and recruitment.

Entitled "Effective Learning Skills for Professional Education," the workshop was planned to help students realistically anticipate their medical education and learn what is expected of them as well as what they might expect from the experience.

The workshop's planning committee — Dr. Woods; James Couperus, MD, associate dean for educational affairs; William Hooker, PhD, associate dean for student affairs; and Harold R. Milliken, PhD, professor of biology, College of Arts and Sciences — designed the workshop specifically with the medical students' needs in mind, but they anticipate it might be broadened to include students entering programs in any of the professional schools.

One hundred members of the new class participated in the workshop. They discovered the most effective means by which they might reach their finest level of achievement, academically and personally, says Dr. Woods.

"Each of them is predisposed to certain ways of thinking, wanting, liking, and acting," she states, "but perhaps is not fully

aware of his or her own unique personality style and learning pattern."

The first day of the workshop, Keith Golay, PhD, a psychologist from Fullerton, helped the students assess their temperament styles and how these styles would affect their learning patterns as well as influence the way they interact with patients and professors.

Effective learning / study skills were shared by Dr. Milliken, who has worked with many professional students in the past to improve their study and test-taking skills. Dr. Woods relates that many students stated that Dr. Milliken's presentation gave them a look at a variety of approaches to studying, and that they anticipate what they learn-

ed will be very beneficial.

The students had the opportunity to meet the professors who will be teaching their biochemistry, gross anatomy, histology, and human-behavior courses during their freshman year. In addition, they became acquainted with fellow classmates and simply reduced first-quarter jitters, Dr. Woods states.

"The workshop helped them to gain understanding, insights, and skills that will enable them to maximize their educational opportunity at Loma Linda University," Dr. Woods says.

On evaluation forms, many of the medical students expressed appreciation for the three days and thought that the workshop should be repeated for next year's freshman class.

LLUMC patient expresses his appreciation for hospital care

A former patient at Loma Linda University Medical Center — Roy Meyer — recently wrote a letter to Loma Linda International Heart Institute personnel. He stated that he realized that the personnel probably heard complaints all the time, and that he hoped that they would find his letter refreshing.

After suffering what he described as "a possible heart attack" and being admitted to another hospital, Mr. Meyer was transferred by ambulance to Loma Linda University Medical Center.

At the Medical Center, he wrote, "a staff of concerned and caring people" talked with him and his family, "explaining all that was going on at each stage of their proceedings. You might say they were holding our hands because of our fears. Even after the worst was realized (I needed a quadruple bypass immediately, which would later save my life),

they were tripping all over themselves trying to help everyone feel secure and that all would be well and all would be done for my benefit. They never once forgot the human part of us. They stayed in touch with my family, keeping them informed throughout the five- to six-hour surgery, which was very comforting.

"I have never in my life been so impressed with anything like that before," Mr. Meyer wrote. "Your people not only saved my life, but they gave me faith that there are still truly fine people left in this world."

Such people, he wrote, "make your hospital the Godsend that it is."

Mr. Meyer has expressed to Larry Stevens, LLUMC administrative patient representative, his special appreciation for personnel in the emergency room and on units 7100 and 4100.

COTA program proves to be popular with students

The first class of the new certified occupational therapy assistant (COTA) program is full, with 15 students enrolled in the only COTA program in California.

There are 69 such programs in the United States, and the next nearest ones are in Oregon and Colorado, says Lynn Arrateig, instructor of occupational therapy, who designed the one year course for the School of Allied Health Professions.

Mrs. Arrateig has outlined the program with the community college student especially in mind. A general, one year program of prerequisites is required, several scholarships are available, and classes are held from 1:00 to 6:00 p.m. so that students may work part-time.

A certified occupational therapy assistant's job is to assist the registered occupational therapist, (OTR). The OTR evaluates the patient, then the COTA, who has been trained in hands-on skills, carries out the prescribed treatment plan. The COTA may make a general evaluation of the patient and report back to the OTR. In nurs-

ing homes, a COTA may work independently, consulting with an OTR. A COTA makes about two-thirds the salary of an OTR.

There is a scarcity of COTAs which makes them in demand all over, especially in the west, says Mrs. Arrateig. More than seven jobs are available per graduate, and the demand is expected to increase in the next ten years.

"After only two years of college training, students have a choice of many jobs and opportunities," says Mrs. Arrateig.

A COTA can work in many areas: natal intensive care, pediatrics, psychiatrics, acute rehabilitation, and geriatrics. Out-of-the-hospital job settings include: working in schools with mainstreamed handicapped students, hospice care, industrial consulting, and work rehabilitation.

The department of occupational therapy also offers the OTR degree, and 42 juniors and 38 seniors are currently enrolled.

Those wishing information on either of these programs may call (714) 824-4628, or call toll-free, 1-800-422-4LLU.

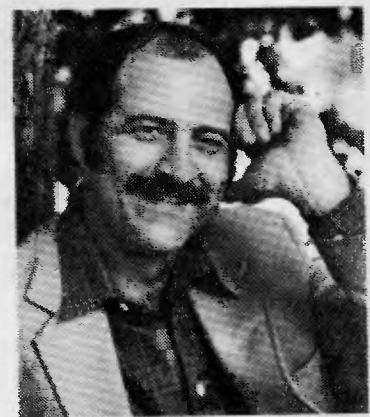
Ken Carter is featured soloist at Calimesa concert series

The Calimesa Community Concert Series will resume this fall at the Calimesa Seventh-day Adventist Church, Fourth and Myrtlewood, Calimesa, with a sacred concert by Ken Carter, bass-baritone soloist, and Ted Cornell, pianist and organist for Billy Graham crusades. This duo concert will be at 7:45 p.m. on Saturday, September 17.

Ken Carter began his career as a soloist for the U.S. Air Force Band and Singing Sergeants. During his military service, he sang for four U.S. presidents and dignitaries from more than 25 countries. His dedication has taken him to more than 30 countries, sharing in the ministry of evangelists such as Billy Graham, Barry Moore, John Wesley White, and others. He currently maintains a very busy concert schedule while serving as minister of music and worship at the First Baptist Church in San Jose, California.

Ted Cornell began studies at the Julliard School of Music with a full scholarship at the age of eight and subsequently earned both bachelor's and master's of science degrees. He is a concert pianist and organist, recording artist, composer and arranger. Mr. Cornell has made numerous appearances on radio and television, and has performed extensively in

North America, the Orient, Australia, and New Zealand. He also conducts his own professional choral organization in concerts throughout the United States, and has taught choral arts at King's College in Briarcliff Manor, New York. He is presently employed by the Billy Graham



Ken Carter

Evangelical Association as organist and pianist and is music coordinator for the Associate Crusade program.

For concert reservations or information, call (714) 795-9741 or send your remittance plus a self-addressed, stamped envelope to: Calimesa Community Concert Series, P.O. Box 647, Calimesa, CA 92320. Ticket donation is \$4 per person. Seating is on a first-come basis.

Ophthalmology department trains overseas visitors

by Izak F. Wessels, MMed, FRCS (Edin.), instructor and cornea fellow, department of ophthalmology, School of Medicine

Loma Linda University School of Medicine's department of ophthalmology is extending its influence to third-world countries by arranging exchange programs and by hosting and providing essential training to overseas visitors. Recently, guests visited Loma Linda from Manipal, Karnataka, India (sister city to the city of Loma Linda), and from the Marshall Islands.

As a result of the efforts of John Peterson, MD, former chairman of the department of internal medicine at Loma Linda, now retired, Dr. P. N. Srinivasa Rao, head of the department of ophthalmology at Kasturba Medical College (KMC) in Manipal, recently completed two weeks of observation in the department of ophthalmology at Loma Linda.

While there, Dr. Rao witnessed cataract surgery, retinal-detachment surgery, and radial keratotomy. He delivered two lectures, discussing Kasturba's research in glaucoma and the college's community outreach activities.

Dr. Rao said that, because so many people in India have cataracts, local campaigns are conducted to provide cataract surgery. A local school is used, with a sterilized classroom serving as an operating room in which up to 100 patients are operated on per day. The other schoolrooms become temporary hospital wards for the week the eye camp, as it is called, lasts.

The KMC department of ophthalmology has a strong commitment to providing post-graduate training and has a staff of 30 graduate students, residents, and assistants. In contrast to many medical institutions in the developing world, KMC is very well-equipped and provides state-of-the-art ophthalmic care: extracapsular cataract surgery and intraocular lens implants have been done for years. It is one of only four centers in the whole of India that has lasers and other advanced technology.

Among other objectives on his, his first trip to the United States, Dr. Rao came to explore a larger exchange program with Loma Linda. When future bilateral exchange visits take place, this will transform the concept of sister cities into concrete reality.

The sister cities of Loma Linda and Manipal have several characteristics in common. Both are situated in relatively rural areas, with education and health services as chief activities. Both

communities are conservative, with a strong religious emphasis, as well as emphases on vegetarianism, nonsmoking, and nondrinking. Both are located on a low hill on the west coast of their continents.

Both cities boast large, privately funded institutions that have attained fame and influence. Both were founded by visionaries and developed by dedicated individuals, despite almost insurmountable odds.

In 1982, the mayor of Loma Linda presented the key to the city of Loma Linda to Dr. Ramdas Pai, medical director of Kasturba Medical College and Hospital.

Eleven separate institutions are located on that campus. The hospital has 1,022 beds and sees 300,000 outpatients and 25,000 inpatients annually. A community outreach with eight peripheral centers and hospitals sees an additional 92,000 patients.

The schools on the campus have 5,834 students from 23 countries, 597 teaching staff, and 1,688 nonteaching staff. The medical college graduates 150 physicians each year and has graduated 4,500 medical students



Dr. P. N. Srinivasa Rao (right), head of the department of ophthalmology at Kasturba Medical College in Manipal, Karnataka, India, sits in the position of a patient at the fluorescein angiographic Fundus camera. Standing, left, is Dr. Genoroso Gabriel, the only ophthalmologist in the Marshall Islands, and seated, left, operating the camera, is Joe Saul, Dr. Gabriel's chief technician. Standing, right, is Robert Oeinck, chief ophthalmic photographer of the Loma Linda University Eye Medical Group. The overseas visitors came to Loma Linda to spend time observing procedures in the LLU department of ophthalmology.

since its inception.

Manipal has been described as India's answer to Britain's Oxford or Cambridge.

Two members of the department of ophthalmology at Loma Linda — James I. McNeill, MD, chairman, and Clement K. Chan, MD, chief, retina vitreous service — visited the Marshall Islands with the mission

catamaran *Canvasback* in 1987 and conducted a survey of eye diseases. A very high incidence of hyperglycemia and diabetes was found among the Marshallese, revealing a great need for treating diseases of the retina that cause blindness.

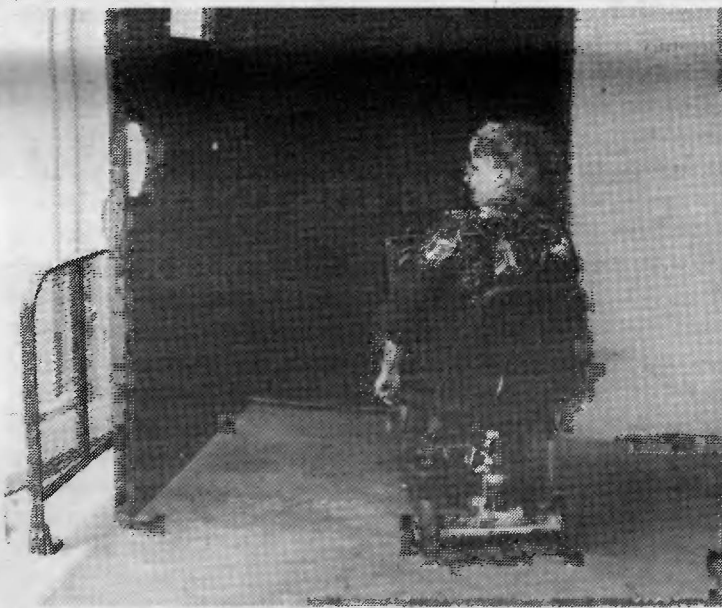
The necessary diagnostic preparation (by fluorescein angiography) to determine exactly where to treat and where not to, was not available, even though the islands had received as a donation one of the latest air-cooled laser photocoagulators. Dr. Chan placed this unit into use, doing the first photocoagulation on the islands.

When Generoso Gabriel, MD, the only ophthalmologist in the Marshall Islands, visited Loma Linda this month, Dr. Chan

demonstrated the exacting skills required to use the powerful laser.

At the same time, Robert Oeinck, senior ophthalmic photographer at Loma Linda, taught Dr. Gabriel's chief technician, Joe Saul, how to use the Fundus camera. Mr. Saul now will be able to develop the photographs that will make possible the immediate treating of a diabetic eye. This will enable the Marshallese to themselves provide on-site (instead of sending patients five hours by air to Hawaii) the very latest in ophthalmic care and to prevent unnecessary blindness.

"Our department of ophthalmology is pleased to be able to provide support of this nature, by sharing its expertise," says Loma Linda's Dr. McNeill.



Edwinna Marshall, chairman of the occupational therapy department in the School of Allied Health Professions and coordinator for handicapped students, checks out the four-foot door recently installed at the southeast ground-floor Nichol Hall entrance.

Four-foot door improves Nichol Hall accessibility for handicapped

Persons traveling by wheelchair or crutches will find it easier to enter the southeast ground-floor wing of Nichol Hall, adjacent to the handicapped parking area. A new automatic, four-foot door has been installed, designed according to accessibility criteria.

"Accessibility on both the La Sierra and Loma Linda campuses has made it possible for mobility and visually handicapped students to complete professional educa-

tion," says Edwinna Marshall, chairman of the occupational therapy department in the School of Allied Health Professions and coordinator for handicapped students.

The Warren Trust Fund continues to be available to assist students in becoming job-ready. Five students have already applied for assistance for the 1988-89 school year under the program.

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Focus on students

How and where to find low-cost food, clothing, and housing in and around Loma Linda area

For the most part, young people attend LLU because they want to, because they believe a Christian education is "worth the cost."

However, as the cost of educa-

tion increases and the relative spending power of the dollar declines, students at Loma Linda University are finding it more difficult to afford clothing, food, and housing. The TODAY staff

has conducted an informal poll of organizations in the Loma Linda area who provide services especially for students. The findings of that survey are printed below.

• LLU Nurses Alumni Association

The House of Thrift, located at 24871 Redlands Boulevard, Loma Linda, sells low-cost used clothing and other household items. They sell used furniture, lamps, bicycles, and small household appliances. Although they do not have a license to sell beds or any furniture items for sleeping, these items are left at the back of the store for people to come and help themselves. The House of Thrift is open Sunday through Thursday, from 9:00 a.m. to 4:30 p.m., 796-2812. Nursing students may contact Cindy Collins for more information, 824-4360, ext. 5463.

• Redlands Community Services Center

This community services center has limited supplies of clothing, small household articles, and bedding and linen at no cost. Although housing is not offered, the community service leaders are willing to extend special requests to their Redlands Seventh-day Adventist church family. The center is located at 1171 State Street, Redlands. Beginning September 27, 1988, it will be open to the public on Tuesdays and Thursdays from 10:00 a.m. until 3:00 p.m. Contact Jack Waldon or Meredith Weischadle at 792-1097 for more information.

• Chapel Church Sharing Network

Chapel Church, an extension of the University SDA Church, meets weekly on Sabbath [Saturday] mornings, at 11:10 a.m. in Burden Hall. Its congregation is composed largely of University students and recent graduates. Its sharing network is designed to meet the needs of those who attend regularly. All of the services offered are provided on a volunteer basis by Chapel Church members. They include basic automotive care, child care, moving assistance, home maintenance, yard care, tax assistance, transportation, food assistance, shopping, errands, house-sitting, pet care, watering, Christian friendship, prayer, and Bible fellowship. If you have a special request, or for more information, leave a message for Kathy McMillan at 876-5199.

• Campus Hill Church Community Services Center

The Community Services Center is located on the first level of Linda Hall, adjacent to the Campus Hill SDA Church. The center operates a free community luncheon program every Wednesday noon for students and community in Linda Hall. Donations are accepted from those who wish to assist the

program. The community services center is open for distribution of emergency food and clothing on Monday and Tuesday from 8:30 to 11:30 a.m. and from 5:00 p.m. to 6:00 p.m., Monday through Thursday. Government surplus food is distributed once every other month: cheese, butter, rice, milk, honey, and flour. Contact Enrico and Lilia Fontamillas at 796-0066 for more information.

• Medical and dental auxiliary

The "Little White House" was started by Karen Torrey and the medical auxiliary several years ago with the primary goal of assisting medical and dental students with their personal needs (clothing, food, furniture, and dire money problems). This past year, Betti Francis, as president of the dental auxiliary, took it as her personal goal to involve the dental auxiliary in this program. The Little White House is located at 24949 Prospect, Loma Linda. It is open for students and for donations every Monday evening from 6:30 to 8:00. Furniture donations need to be arranged through Betti Francis at (714) 780-4406.

• Adventist Community Team Services (ACTS)

Located on Prospect Street across from the Loma Linda Market, ACTS provides emergency food and funds toward housing, and provides referrals to appropriate agencies. Contact Addie Tarangle for more information, 796-8357.

• United States Department of Agriculture

The Thrifty Food Plan was developed by USDA nutritionists to be the lowest cost nutritionally adequate food plan for a short period of time. It assumes 30 to 100 percent of assistance. The program requires that individuals have proper refrigeration, storage, that they never eat out or use convenience foods, and that they have the time, skills, and resources for cooking, planning, storing, and using all leftovers. The U.S. government's definition of poverty is based on the ability of a family to obtain food. The poverty level for a family of three is \$9,044, for a family of four, \$11,592. People near the poverty level (125 percent to 195 percent of poverty level) are eligible for some services, even while the unemployment rate is low. Three major federal food programs include food stamps, government commodities, and WIC (Women, Infants, and Children). Contact the Public Social Services Department of Welfare (HRA), 515 Orange Street, Redlands, for details.

Behind the scenes...

After completing her bachelor's degree at LLU, Ann (not her real name) was forced to change careers because of physical complications from a birth defect in her foot.

Ann married while she was in nursing school, but a year later found herself in the midst of a divorce with a baby on the way.

Now her baby is almost two years old, and Ann is completing a graduate degree at LLU. But making it financially hasn't been easy for her. In addition to her tuition, room, and board, she has also had to pay a baby sitter while she attends classes. She also works two days a month as a nurse.

How has she survived? Ann applied for government assistance and has benefited from several programs, including GAINS, a state-funded program for which all welfare recipients are eligible. GAINS has subsidized Ann's child care expenses. Ann received help to pay for a hearing aid and amplifier stethoscope through the county department of rehabilitation. She has received food stamps and been on the WIC program for women, infants, and children.

Ann encourages students, saying, "Don't be ashamed to seek help if you really need it. Receiving food stamps or child support could make the difference between staying in school or dropping out to survive."

Ann has been active in raising the awareness of the needs of her classmates. She has also networked with community organizations in Loma Linda, helping them to network and more efficiently provide for the needs of the students and community.

Application forms for welfare and its subsidiary programs may be obtained either at the Riverside or San Bernardino County Department of Public Social Services.

Nursing celebrates fifteenth anniversary of Fineman Award

The School of Nursing celebrated the fifteenth anniversary of the Allan Fineman Memorial Award on Friday, June 10. All recipients of the award were invited to a special luncheon with Allan Fineman's son, Elliot Fineman, for an opportunity to get personally acquainted with their benefactor and to share what has happened since graduation.

The award was established in 1974 in memory of Allan Fineman by his sons, Elliot and Joel Fineman. It is given each year to the graduating School of Nursing student, chosen by classmates and faculty, who best represents the qualities that Allan Fineman found in the nursing care he received at Loma Linda University Medical Center prior to his death in 1973.

The award plaque is displayed in the School of Nursing and reads as follows: "He was a man who loved life. His special gifts were warmth, laughter and the human touch. These qualities are essential ingredients for truly effective medicine and nursing. The names listed below are people who bring this magic to their work.

"1974, Janet Ziebarth Hackle-

man; 1975, Pearl Nomi Apuy; 1976, Janet Wild Cover; 1977, Joan Evans; 1978, Sylvia Mitsumori Honinouchi; 1979, Edith M. Kim Sickler; 1980, Carol Helzer Imthurn; 1981, Mary Margaret Elizabeth Richards; 1982, Kimberly Hertzog; 1983, Kindia Pinkney; 1984, Valerie Fickess Prokopetz; 1985, Kathy Miller; 1986, Kendall Lind Porco; 1987, Sterline Foster; 1988, Judith Joseph."

Award recipients able to attend the luncheon were Judith Joseph, Sterline Foster, Kendall Porco, Kimberly Hertzog, Carol Imthurn, and Pearl Apuy. They were joined by Norman J. Woods, PhD, president, LLU; Helen Thompson, PhD, vice president for academic administration, LLU; and nursing leaders in the Medical Center and the School of Nursing as well as by commencement speaker Gloria Hope, PhD, director of the division of governmental affairs of the American Nurses' Association.

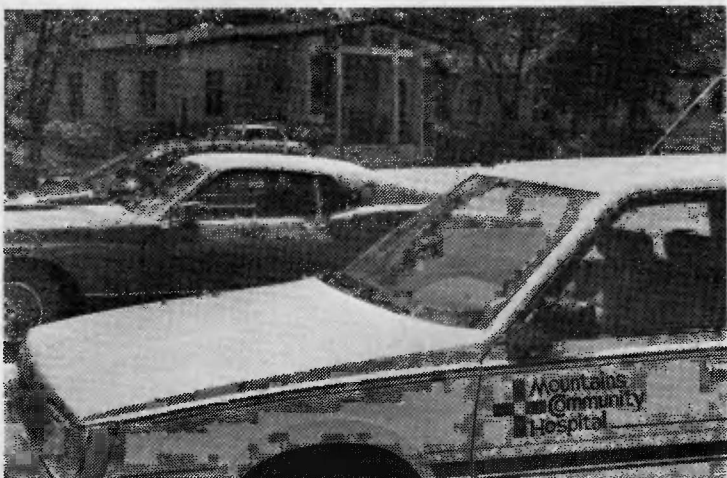
Also in attendance was Marilyn Christian Smith, PhD, who was dean of the School of Nursing at the time of the establishment of the Fineman Award.



Elliot Fineman poses with Judith Joseph, 1988 Fineman Award recipient.



Fineman Award recipients attending the 15th anniversary celebration of the award are, from left: Judith Joseph, Pearl Apuy, Elliot Fineman, Kimberly Hertzog, Sterline Foster, Carol Imthurn, and Kendall Porco.



Thirty-eight bed Mountains Community Hospital, set among trees at Lake Arrowhead, is being managed by Adventist Health System, Loma Linda.

AHS / LL negotiating for lease of Lake Arrowhead hospital

Officials of Adventist Health System / Loma Linda are involved in negotiations for the lease of Mountains Community Hospital (MCH) in Lake Arrowhead, which AHS / LL has been managing on a contract basis since June 20.

The hospital has 38 beds, including 14 assigned to patients in a substance-abuse program, and four in its intensive-care unit. The hospital also has an obstetrics service and an emergency-room service.

Currently, the hospital is being managed by Volney D. Dortch, who has been named executive vice-president and administrator. Mr. Dortch, who lives in Big Bear, was formerly executive vice-

president at Loma Linda University Medical Center. He retired in 1984 but has come out of retirement to assist in this endeavor.

Director of nursing at MCH is Sheryl Bettle, who has had previous experience in small hospitals. Before recently moving to California with her family, she was in nursing management in Lebanon, Oregon. Her husband, Dan, is administrative pastor at Azure Hills Seventh-day Adventist Church in Grand Terrace.

Janice Quick, formerly assistant director of accounting at LLUMC, is serving as controller at Mountains Community Hospital. She is responsible for financial and support services.

Limited number of 1987 news clip books are available on campus

A limited number of the 1987 issue of *LLU / LLUMC in the News* are available for University and Medical Center employees and students at no cost. The 580-page book, produced by the University Relations office, is a sampling of clippings found primarily in North American newspapers mentioning LLU or LLUMC. Because of space limitations, not all of the articles received by Loma Linda were included, and many clippings of a similar nature had to be omitted. All articles were reduced to 74 percent of their original size, and many of the photographs accompanying the news stories were eliminated.

The first section of the book features general news; the second half focuses on the Loma Linda heart transplantation program.

A sampling of stories covered in the 1987 book includes LLU consolidation, the benefits of garlic, Hulda Crooks' ascent of Mt. Fuji, the benefits of laughter, Baby Jesse's first birthday, Baby Paul's historic transplant, and the national debate raised over a doomed fetus' organs.

The previous year's edition of clips prepared in a similar fashion recently received a gold medal in the public relations category at the national conference of the Council for the Advancement and Support of Education in Anaheim.

While the supply lasts, copies may be obtained at the University Relations office, located on the lower level of Burden Hall.

Dr. Helen King . . .

Continued from page 1

legislation paying \$20,000 to each person held in an internment camp as reparation in an effort to make amends. Invited to witness this event, the Emoris will eventually receive \$120,000 from the government.

The family has decided to use the funds to set up an endowment in the School of Nursing. "You dream of setting up an endowment, but you rarely get the money," says Dr. King.

The endowment will go for student scholarships and faculty development programs.

Anencephalic . . .

Continued from page 1

The protocol, established in December, 1987, after two years of study, was designed to evaluate the possibility of using anencephalic infants as organ donors.

It was motivated, Dr. Peabody says, by pleas from hundreds of families of anencephalic infants who wanted to turn their tragedy into something good, and by the need to increase the numbers of organ donors in the newborn age group.

Loma Linda University Medical Center's infant-heart transplant program and other transplant programs across the country have lost about half of the babies accepted for transplantation because of the shortage of organ donors.

Anencephaly is a fatal disease, and infants who have it either are stillborn or die within a few days of birth. Only extremely rare reports exist of infants surviving past one month of age. The condition represents a congenital defect characterized by absence of the cerebral hemispheres and the bone and tissue that overlie them.

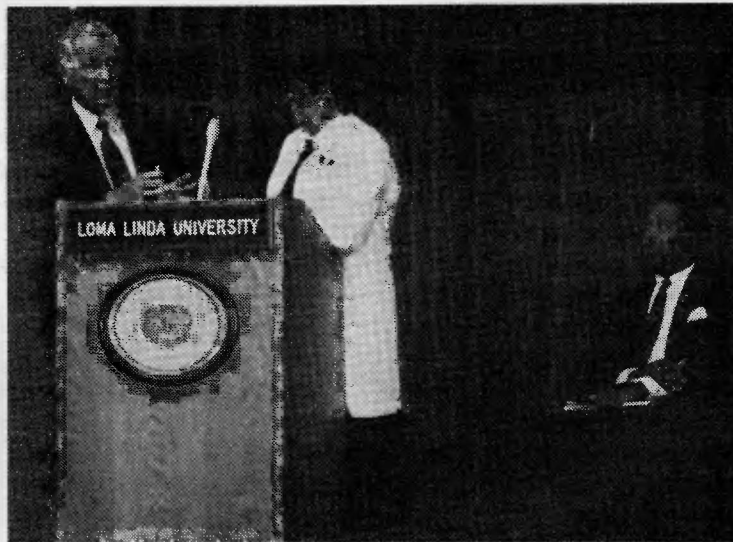
Traditionally, anencephalic infants have been given only comfort care: warmth, nutrition, and hydration as tolerated. In addition to comfort care, LLUMC's anencephalic-infant-donor protocol called for the babies to receive artificial breathing support for a maximum of seven days, to put oxygen in their blood and to help keep their organs healthy while studies were made to see if the babies met brain-death criteria. The Medical Center did not propose to change brain-death criteria or the definition of brain death.

Only the anencephalic offspring of competent, informed, and voluntary parents who actively sought the modified-management option were accepted. No one was asked to participate. The parents' firm and free commitment to participate was documented by a signed consent. They were given the option to stop treatment of their infants at any time.

None of the 12 babies enrolled in the protocol was born in Loma Linda. The infants were referred to Loma Linda University Medical Center from across the nation — from community hospitals, university medical centers, and one military hospital.

In April, after six babies had been enrolled in the program and only one of them had met legal brain-death criteria, a multidisciplinary group was brought together that included nurses, respiratory therapists, physicians, lawyers, members of administration, and ethicists.

After discussing several options, the consensus was, "that there were more questions that need-



Drs. Hinshaw and Peabody speak to reporters about anencephalic-infant-donor protocol at August 23 news conference; looking on is W. Augustus Cheatham, vice president for public affairs.

ed to be answered, and that we should proceed," Dr. Peabody said on August 23 at a news conference in Randall Visitors Center called to answer questions being raised by the media.

As a result of the April meeting, a slight modification was made in the protocol. Instead of artificial breathing support being supplied for the babies from birth, the respirator was employed only when the health of the babies' organs could be jeopardized significantly by a slowing of the heart rate and/or respiration.

Only one of the next six babies met brain-death criteria within seven days. All the babies were returned to customary comfort care until they died.

None of the 12 babies enrolled in the Loma Linda protocol donated solid organs, although corneas and heart valves were donated after the babies died.

At the August 23 news conference, a reporter asked Dr. Peabody, "Given the controversial nature of this whole thing, do you feel you've had to bow to any kind of pressure from those who are, quote, appalled at this whole idea?"

"No," Dr. Peabody replied. "I think it's unfortunate — it's like so many other things in life — that the ones who are critical and outraged are louder than the supporters. I have had a great deal of help from my own staff here and from my colleagues across the country. It's difficult, I think, for you to believe, since you hear the outrage, but by far the vast majority have been supporting us and are continuing to support us."

Dr. Peabody stated that although no solid organs had been used from any of the 12 anencephalic infants enrolled in the program, she did not consider the program to be a failure, because much useful information had been obtained that was unknown prior to the program.

Asked if the procedure for the program was just too difficult to continue with, Dr. Peabody answered, "No. We have tried two very specific studies to ask two very specific questions."

With the first six infants, she said, "We asked the question, 'If you do everything that is available to support organs, will death occur naturally and within the expected time, so that you can donate organs?' It appears that the answer to that question is that if you support heart and liver, you also support a brain stem and interrupt the natural dying process. Death will occur, but it will be a prolonged death, which none of us wanted."

With the second six infants, she said, "the question was somewhat different, and that is, 'If you allow death to proceed more normally and intervene at a point where you're trying to restore the health of the organs when death is imminent, can you then procure healthy organs without having interrupted unnecessarily the natural dying process?' . . . The answer to that question appears to be that when you resuscitate the liver and heart and restore their health, you still interrupt the natural dying process of the brain stem."

Later, in amplifying on the goals of the program, Dr. Peabody said, "The two things we want [are] to allow the dying process to occur as naturally as possible . . . and . . . to be able to keep the organs healthy, so that they can be used for transplant. The two modifications that have been tried did not result in those outcomes. So, rather than continue to try modifications that did not result in the desired outcome, we need to go back, dialogue, and consider what the next step should be for our institution and for other institutions."

Four or five other institutions around the country are involved in anencephalic-infant-donor programs similar to that at LLUMC, Dr. Peabody said.

She pointed out that two of the anencephalic infants in LLUMC's program (one under the first protocol, and one under the slightly modified protocol) had been declared brain dead, and their organs could have been used for transplantation.

The heart and liver of the first, *Please turn to page 9*

Teacher returns to birthplace, shares knowledge

by George T. Javor, PhD, associate professor of biochemistry and microbiology, School of Medicine

I recently had an opportunity to visit the country of my birth after 32 years, representing Loma Linda University. The invitation for the visit came suddenly in early June, in the form of an early-morning telephone call from Budapest (at the incredible rate of \$20 per minute!). It seems that a book I published some time earlier (*The Challenge of Cancer*) was translated into Hungarian and published in a joint effort by the Hungarian Seventh-day Adventist Church and a non-government foundation called "Against Cancer, for Mankind, for Tomorrow." The entire enterprise happened with such lightning speed that I was notified of it only after the facts.

Hungary is a member of the Eastern Socialist Block countries, where the population is predominantly Roman Catholic. The Adventist Church of the Hungarian Union has fewer members than the Loma Linda University Church — about 3,500 in number. The publication and dissemination of the book was a golden opportunity for our church to become better known in Hungary.

I was asked to come to help promote the newly published book in the form of radio and television interviews, through the press, and by public presentations.

The book was written for non-scientists. It describes what cancer is, what factors cause it, how cancer may be prevented, and the various modalities of treatments. It also discusses the needs of cancer patients. The book concludes with two first-hand reports of cancer patients.

In Hungary 300 people die of cancer out of every 100,000, this death-rate being one of the highest in the world. (In the United States, this figure is approximately 200 deaths per 100,000 people.) The leading cause of cancer deaths is lung cancer, as approximately 50 percent of the population smokes. This is followed by stomach cancer, which may be related to the spicy Hungarian cuisine. The rate of deaths in Hungary from all causes is the highest in Europe, and the birth rate is the lowest. The result is that, since 1980, the population has been shrinking. In 1987, the population of Hungary shrank by 19,000, which represents 0.19 percent of the total population.

When my wife, Shirley, and I arrived in Budapest after 27 hours of travel (and two nights without sleep), we were met at the airport by a delegation of relatives and representatives of the anti-cancer

foundation, the Adventist Church, and a radio reporter who prepared an interview on the spot. This interview was broadcast that evening during the 7 o'clock news.

In the following days there were five more radio interviews, a television interview, and several sessions with news-writers. Subsequently, two newspaper articles

"Everywhere we went, we experienced the warmth of the traditional Hungarian hospitality..."

appeared, one in Budapest and one in the eastern portion of the country.

I came to Hungary with a simple message. The overwhelming majority of cancers (perhaps 80 percent) are caused by the environment, diet, and life-style. Identification and elimination of the hazard factors should protect people from cancer to a large extent.

Before my departure I obtained the latest data from the Adventist Health Study group through the courtesy of Paul Mills, project manager. Between 1960 and 1980, extensive epidemiological studies have been conducted by this agency on many thousands of Seventh-day Adventists. The results indicated strikingly lower rates of cancers of the lung, colon, breast, prostate, etc. The combined total of all cancer sites among Adventists amounted to 59 percent of the average population.

These types of studies were repeated in Europe in the 1980s with very gratifying results. Adventists in Norway, Denmark, the Netherlands, and Poland had considerably lower incidence of cancers and measurably longer life expectancies.

I was happy to share these observations in the various interviews and in my presentations before lay people and various health workers and physicians. The good news, it seems to me, is that Adventists in several parts of the world have provided living proof that the risk of cancer may be lowered. Thus we do not only benefit ourselves by a sober lifestyle, but the entire world.

I pointed out that our emphasis on a healthy lifestyle comes from our unique understanding of the nature of man. We hold, almost single-handedly among Christians, that man is an indivisible unit of body, mind, and spirit. Whatever affects the body affects the spirit as well. Moreover, the reverse is also true in that an optimistic, happy disposition and outlook will promote a healthier lifestyle.

In the ensuing discussions after my presentations, members of the audience pointed out the sorry state of the environment in Hungary due to pollution from a variety of sources.

In Hungary the environmental pollution by state-owned factories continues almost unabated. There are no standards set to limit the extent of car contaminants. In the past 15 years the number of houses with running water doubled but the capacity of the sewer systems was not increased in a corresponding manner. Consequently, significant amounts of waste-water return into the soil untreated.

Given this predicament, the population at large is undoubtedly exposed to hazardous materials. Since this is common knowledge there, people are less disposed to a change for a healthier lifestyle and diet, saying "What's the use?"

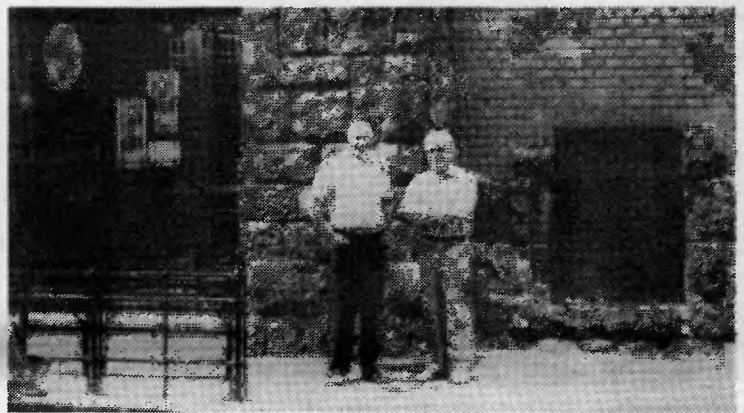
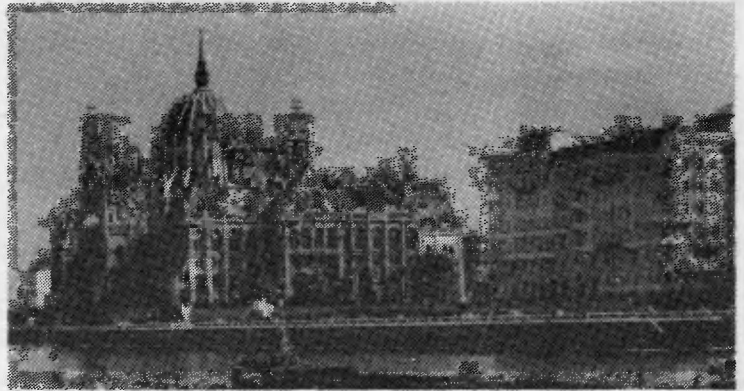
The recent nuclear explosion at Chernobyl did not help the situation. The talk is that much

"The good news . . . is that Adventists . . . have provided living proof that the risk of cancer may be lowered. Thus we do not only benefit ourselves by a sober lifestyle, but the entire world."

of the milk may still contain radioactivity.

During my conversation with epidemiologists at the Hungarian National Oncology Institute, I suggested that they may want to measure, retroactively, the cancer rates among Hungarian Seventh-day Adventists. The results of such studies could differentiate between the effects of environmental and lifestyle / diet factors in Hungary. Officials of the Hungarian Seventh-day Adventist Union expressed a willingness to cooperate in such a study.

Another issue that surfaced during my presentation was the issue of whether or not a doctor should tell the patient that he or she has cancer. It so happens that in Hungary, doctors usually keep this information from the patient. I brought with me the practice common in this country, where usually the patient is fully informed. This, of course, helps the patient to order his or her life according to the realities of the illness. Also, the patient is in a much better position to cooperate with the doctor in the course of cancer treatment. I don't know if I convinced anyone there, but when I asked a group of cancer



From top: Parliament Building in Budapest lies on the shores of the Danube; The western railroad terminal building in Budapest was designed by G. A. Eiffel and is considered a historical building; Dr. Javor and Dr. Attila Mesko, head of the geophysics department of Lorand Eotvos University in Budapest, meet in front of the elementary school building where they were classmates 34 years ago; Dr. Javor signs copies of his book, *Face to Face with Cancer*, following his presentation on the same topic.

patients (who had to discover that they had that illness by various devious ways), they all indicated that they would have preferred to be told directly. The physicians present at the meeting did not object.

During the visit I took a little time out to visit with relatives and childhood friends — who by now have grown up to be responsible and very accomplished individuals. One such childhood friend from eighth grade is now

the head of the geophysics department at Lorand Eotvos University in Budapest!

Everywhere we went, we experienced the warmth of the traditional Hungarian hospitality, great abundances of food, and good conversation. We were impressed by the natural beauty of Hungary, as well.

Before they let us go, we had to promise that we wouldn't wait another 32 years before returning to Hungary.



Earth-moving equipment has begun to dig out the site of the new wing that will house the proton-beam accelerator. The new facility, on the southeast side of the Medical Center, is expected to be completed in two years.

Anencephalic-infant-donor-protocol...

Continued from page 7

Baby John, could have been donated if there had been a baby with the same blood type in an institution ready to accept it that day. The second, Baby Erin, could have donated her heart, but her liver had been damaged by oxygen deprivation (the liver seems more susceptible to this than does the heart, Dr. Peabody said). A worldwide search was made for a recipient needing a heart of similar size, but none was found.

David B. Hinshaw, Sr., MD, president of LLUMC, told the media at the news conference that, contrary to some reports, the Medical Center, the School of Medicine, and the University fully supported Dr. Peabody and her team in their work with the anencephalic infants.

Asked how much money had been spent on the anencephalic program, Dr. Hinshaw answered,

with a smile, "If I give you a figure, you may quote something that's incorrect, but it's been substantial — probably in the general area of a quarter of a million dollars."

That amount, he explained, is "part of our attempt to resolve some of these problems about transplantation in the neonate." He indicated that considerably more money had been spent on the babies that have received heart transplants than on the anencephalic infants.

Information obtained from the study with anencephalic babies is being prepared for the scientific community. A decision on the future of the program will be made after all the information is evaluated.

No further formal discussions of the program will be made until the medical report is written and made available for release, Dr. Peabody said.

Brandstater Gallery Chamber Music Series slates six concerts for 1988-89 season

The Brandstater Gallery Chamber Music Series for 1988-89 will feature six special concerts.

The Gallery Ensemble, composed of John Gates, clarinet, Jeffrey Kaatz, cello, and Kimo Smith, piano, will host the concerts held in Brandstater Gallery on the La Sierra campus.

"Beethoven & Schubert" will open the season on November 14, with the Gallery Ensemble, violinist Lyndon Taylor, and others performing the music of two of the greatest chamber artists.

The "De Falla Trio" will perform December 5, with guitarists Terry Graves, Dusan Bogdanovic, and Kenton Youngstrom. The guitar ensemble will perform works of de Falla, Stravinsky, and Tchaikowsky.

January 23 will bring "Wood-

song," a trio featuring soprano Mary Rawcliffe, John Gates, clarinet, and Robert Sage, piano. The program will include the US premier of English composer Phyllis Tate's "Scenes from Tyneside," as well as the works of Mozart, Thomas Arne, and Gordon Jacob.

The "Angeles Quartet," with Kathleen Lenski and Roger Wilkie on violin, Brian Dembow, viola, and Stephen Erdody, cello, will feature a program of Mozart and Mendelssohn. Their program will be March 13.

This year's "Coleman Competition Winner" will perform April 24, following the April 22 competition in Pasadena. Last year's winning performance was by the Atlantic Brass Quintet, and this year should prove just as promising.

"Brandstater Gallery Ensemble" will close the series on May 22 with the works of Beethoven, Glinka, and Shostakovich.

All programs are held at 8 p.m. in the Brandstater Gallery on Loma Linda University's La Sierra campus. The acoustics in the intimate, 100-seat art gallery have been described as "the best in the Inland Empire." Each concert will be accompanied by a different art exhibit to further enhance the evening.

Colloquium Week

beginning Sunday, September 18

Prepare now for Colloquium Week on the La Sierra campus. This special week will include guest speakers, faculty/staff recreation, separate School colloquiums, an agape feast, and more.

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Australia-based MA degree in family life education part of many 'firsts'

Reprinted from *Feedback*, a publication of the social relations department in the Graduate School; edited by Ruth E. Davis.

If you read the June 9, 1988, issue of *Adventist Review*, you already know that the MA degree in family life education is now be-

ing offered in Australia. You may not know, however, that this particular master's degree has been part of many "firsts." It is the first and only of its kind offered in the United States; it is the first of its kind offered in Australia; and it is the first degree offered through

the Graduate School that has gone to an international extension site.

The first step in establishing the program was taken by Elder Bryan Craig, director of family ministries for the South Pacific Division. He envisioned a pro-

gram where ministers, counselors, community workers, and division leaders could be trained to address the needs of families.

After corresponding with Ian Chand, PhD, coordinator of the family life education program, an on-site visit was planned for Ju-

ly, 1987, and was conducted by Alberta Mazat, professor of marriage and family therapy in the College of Arts and Sciences. She reported that Avondale College would provide a very suitable off-campus site for the program. A second on-site visit was conducted by Ian Chand in March of 1988, at which time all the final arrangements were made and the contract was signed.

Dr. Chand opened the first of four summer sessions on July 3. Tony Brandon, PhD, current department chair, is also scheduled to spend some time teaching during the first session. Enrollment for the current session is 34: 30 are working toward an MA and four are working toward a certificate at the undergraduate level.

Five students from various South Pacific Islands are attending, along with New Zealanders and native Australians. In the program are 24 men and 10 women, who represent a variety of professions. The majority are ministers, some of whom are conference directors of family life ministries. There are also two college teachers, one high school teacher, four ministers' wives, and three lay members.

Perinatal outreach sets fifth annual symposium

The LLUMC perinatal outreach department's fifth annual perinatology symposium will be held at Marriott's new Desert Springs Resort and Spa in Palm Desert on September 7, 8, and 9.

Program coordinator Sheri Hawkins says that conference participants will discuss legal and ethical implications of organ transplantation and will examine diagnostic and patient-care concepts in order to provide a better beginning for the mother, fetus, and newborn.

Mark Boucek, MD, recently appointed chief of pediatric cardiology at LLUMC, and John Golenski, SJ, EdD, a consulting ethicist from Bioethics Consultation Group in Berkeley, will speak at the conference. The program also will feature LLUMC's Leonard Bailey, MD, chief of pediatric cardiac surgery, and Joyce Peabody, MD, chief of neonatology.

The symposium faculty will present a combination of lectures, concurrent sessions, and faculty panels that hold relevance to both physicians and nurses and that have been approved for 14.4 CME hours by the LLU School of Medicine.

Persons wishing more information may call the perinatal outreach department at (714) 824-4359.

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Motorola, Inc., becomes first corporate supporter for proton accelerator

Loma Linda University Medical Center (LLUMC) has launched its corporate support program for the world's first hospital-based cancer-treatment center utilizing proton-beam therapy. Motorola, Inc., is the first participant in the corporate support program. Through the Motorola Semiconductor Sector of the company, an equipment contribution of approximately \$25,000 value for a prototype control system has been made to the project. This equipment is an integral part of the development

of the treatment facility which is expected to eliminate most of the concerns and negative side effects of radiation therapy and to substantially increase the possibility of effective treatment.

In presenting the gift, Fritz Wilson, manager of the university support program at Motorola, Inc., said, "It is clear that the semiconductor is man's future... to sustain that vision, the cooperation of industry with nationally recognized educational institutions, such as Loma Linda University, will allow the institu-

tion to cross the threshold of an important breakthrough for the control of cancer and write a story of advanced electronics for a more productive world and the betterment of life."

The new proton-beam therapy center, now under construction, will be available for patients in early 1990. The center has received Congressional support, and has been hailed at its recent groundbreaking by Congressman Jerry Lewis (R-Redlands), as "the breakthrough of the century in cancer treatment."

The proton-beam therapy center will both serve patients and be a training center for this new modality in the treatment of cancer. It is anticipated that perhaps as many as 100 similar centers may open around the world in the decade ahead, and many researchers, physicians, and scientists will participate and study at the new facility.

This new system for the control of cancer has been developed by LLUMC in association with the United States Department of Energy's Fermi National Accelerator Laboratory in Illinois, and the Lawrence Berkeley Laboratory in California. Proton-beam therapy is a viable new treatment, as well as a national demonstration project for technology transfer from the research laboratory.

"In many ways," says James M. Slater, MD, director of radiation sciences at LLUMC, "the development of medical-centered proton-beam therapy at LLUMC will rank with the development of mega-voltage X-rays as a therapeutic tool."

Highlights to be replaced in MC paychecks by FYI

FYI (For Your Information) will officially replace Highlights in Medical Center employee paychecks starting with the August 27, 1988, issue. Highlights will continue to announce community news, but will appear as a featured section in Today.

FYI will be prepared by the Medical Center personnel office, and is "designed to present what's new, what's current, and what employees want and need to know," says John Weber, personnel analyst. It will feature news briefs, announcements, and answers to the most commonly posed questions that have been asked about benefits and developments at the Medical Center.

ERRATA

In the July 20, 1988, issue of Today, there was an article on the preprofessional practice program in nutrition and dietetics being granted a ten-year approval status by the American Dietetic Association Council on Education. The program was listed as being offered by the School of Allied Health Professions.

The program is offered by the School of Public Health. Today regrets the error.

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Twelve LLU students experience mission life in Africa this summer;

Twelve Loma Linda University students experienced first hand what it is like to be a missionary in Africa this summer. One group of students was based at Mwami Hospital, in Zambia, the other group was based at Malamulo Hospital, in southern Malawi.

This experience was made possible through LLU's student mission organization, SIMS (Students for International Mission Service).

Malnutrition presents a challenge for dietetics students

Rosemary Scuka and Don Wonderly are both nutrition and dietetics seniors at LLU this year. In Africa, they worked closely with the nationals who conduct malnutrition clinics for children under 5, and participated in health education programs.

Don grew up in Dinuba, California. He graduated from Monterey Bay Academy then spent two quarters at PUC before dropping out of school and working as an aircraft mechanic.

"In 1983 I read *Ministry of Healing*. I was converted to Christ and felt impressed to go back to school where I became interested in health. I went back to school at Walla Walla, and there I decided I really wanted a job working with other people.

"I have a firm belief that a person's health relates to their

"It's a lot different than what I expected, but I had a sense of wonder in seeing it first hand."

spiritual well-being. In 1986, I decided to major in dietetics, and I chose to attend Loma Linda because it's close to home and it's a good SDA school.

"Last spring break Rosemary (Scuka) went on a trip with SIMS to Mexico. She came back with a glowing report of her experience.

"I was interested in mission service so when the opportunity came to go to Africa this summer, I took it," Don recalls.

"When I first arrived in Africa, I had sensory overload. Taking in the sounds, sights, people, seeing how things really are . . . It's a lot different than what I expected, but I had a sense of wonder in seeing it first hand."

Don was one of several students (Rob Watrous and Greta Sanchez were two others)



Student nurse Greta Sanchez administers an oral polio vaccine to an infant in the child survival project.



Photographer Patti Guthrie pauses before entering the operating room at Mwami Hospital to photograph a cataract surgery.



This Zambian village lady pauses from grinding maize to oblige the photographer.



Susie Hardt, pre-physical therapy student, massages a leper's hand at Mwami Leprosarium. Leprosy is common in Africa, but is treatable if caught in an early stage.



More than 100 infants are seen on a typical bush clinic day. Immunizations and protein supplements are given out as needed.

who came down with malaria, despite prophylactic medical treatment. Malaria didn't keep Don down for long, however. "Malaria is no fun, but it's not the end of the world," Don says.

"I've gone out on all of the mobile clinics and worked closely with Mrs. Moyo, the nutrition educator for Mwami Hospital. She is a wonderful lady. She communicates well and has a good manner with the mothers. And she interprets for me when I want to ask the mothers questions.

"It is very difficult to actually effect behavioral change. The mothers know the right answers. They know they should add a

protein source to the diet to prevent kwashiorkor, but why don't they do it?

"There are at least 20 malnourished children in Mwami Hospital all the time. Some are in the acute stage, others are on the road to recovery."

Rosemary Scuka, who spent most of her time at Malamulo Hospital, in Malawi, concurs with Mr. Wonderly's observations. "I wanted to conduct a survey of the mothers to find out how many were actually implementing the nutrition education at home. I found it was very difficult to communicate with them. Even though some

understand English, I didn't feel like they're really grasping what I was asking them. When one of the nationals from the hospitals interpreted for me, everyone answered the questions in the same way. That can get pretty frustrating," she concedes.

Both Ms. Scuka and Mr. Wonderly are glad they went to Africa, though. He adds, "I've really had a good time. Being with the other students from Loma Linda made it more enjoyable, too. I can see that the most important thing for a missionary to do in order to have an impact is to know the language first, and make an

honest attempt to learn the culture. The programs have to be in the context of the culture or they won't be effective."

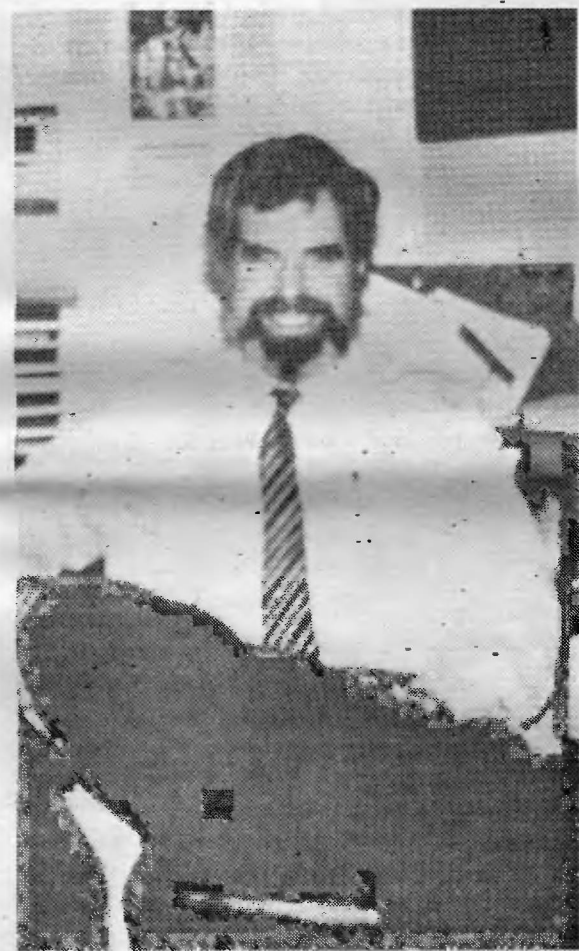
Mr. Wonderly got involved as much as possible while he was in Africa. He played his mandolin for church, much to their delight. He observed that in church, the Africans "have a simple reverence. Their singing is just wonderful. It's full of melody, words, and emotion. Their style is much different than western music."

When Mr. Wonderly graduates next spring with his degree in dietetics, he plans to continue his education in the School of Public Health doctor

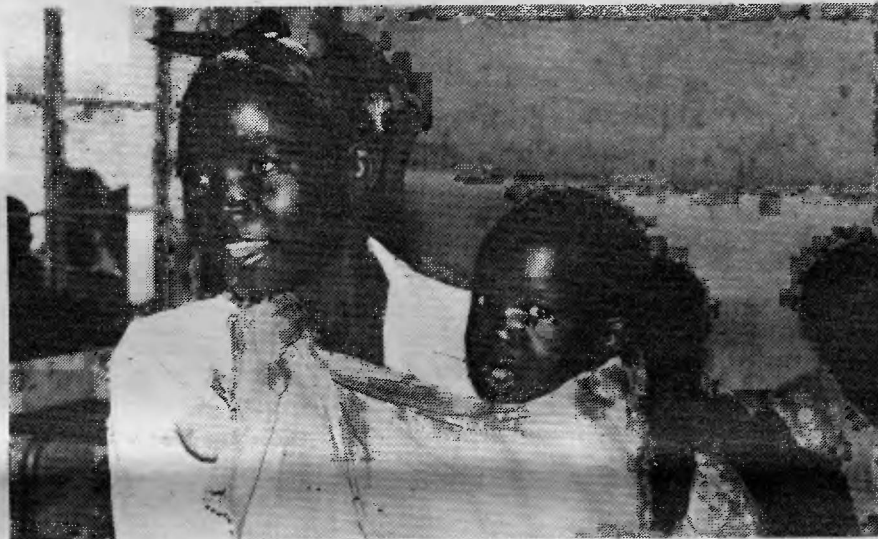
SIMS, a student mission organization, sponsors the on-going project



After bush clinic, the villagers treat the health team to a dinner of nshima (a dish comparable to grits but finer in texture), ground nuts (peanuts), pumpkin leaves, cabbage, and beans. Eating in native style from left are Chandra Hart, Rosemary Scuka, Briana Hart, Richard Hart, MD, and a clinical officer.



Gilbert Burnham, MD, PhD, medical director of Malamulo Hospital in Malawi, has turned that institution into a first class hospital and educational center.



"Do I have to get a shot?" seems to be the question uppermost on this child's mind.



Medical student David Blue examines a patient with a broken arm at Malamulo Hospital.



Richard Hart, MD, examines a child for signs of protein deficiency—kwashiorkor. Symptoms include non-pitting edema; dry or cracking skin, orange-tinted hair and hair loss.

of health science program. "After that, I may become a missionary," he says.

Maintaining a cheerful attitude helps student deal with suffering

Rob Watrous returned safely to Loma Linda on Friday, August 12, in time to join his freshman medical class for the first week of classes. While in Africa, he wrote poignantly of his experience while at Mwami Hospital in Zambia.

"As time has passed and I've worked more and more with the people here and in the villages, I've become more and more attached to them. It is only

through prayer and maintaining a cheerful attitude that I'm able to handle the grief of watching the ones I've come to love die (especially the little children who die of malnutrition).

"After hearing that the premature baby died (the one who was born three months early with a severe infection and major problems breathing), I walked to the protein-calorie malnutrition (PCM) ward only to find that the little girl who weighed only 26 lbs. and was a textbook case of severe malnutrition had died during the night.

"I left that ward to go to pediatrics. There, I was only to

find a lot of hurting children, one or two of whom may not make it through the week. It is times like this that I have to leave the hospital and search my soul for the answer to the question, 'Why does God let bad things happen to good people?'

"Today, when I went outside the hospital, I saw my friend the leper, and I was reminded that all things work for the benefit of God. It was just last Monday that the leper reminded me of this the first time. The previous Friday, I had lost a patient (78-year-old female suffering from nephritis) after watching her condition worsen for the last three days. Over the

weekend, we lost two more patients in male ward that I'd gotten to know.

"I began to question the following: Why was I here? How effective was I here? Why are so many diseases terminal here? Could I handle the frustrations of medical missionary work? As I left the hospital that evening, one of my patients waved to me and he had a big grin on his face. This patient was a leper on male ward. He had his index and middle fingers amputated on both hands. In addition to this he was walking on stumps of bone that had not been amputated from both feet. As he smiled and waved, I was remind-

ed of the times he said that he was not saddened by his illness because he still had God and his health. I recognized that if a man of his disposition was content, I could be too. Leprosy isn't a good thing, but maybe God was using it in others lives to work together for good."

A good way to find out if I could hack missionary life . . .

"I fought off the urge to go into medicine for years, before I finally realized that's what I really wanted to do," recalls David Blue, now a sophomore medical student and president of the LLU AMSA chapter (American Medical Student Association).

Mr. Blue's father, Robert Blue, MD, is a general surgeon and School of Medicine graduate now practicing in Pleasant Hill, California. His mother, Gwen Blue, graduated

"I've also considered becoming a missionary and I figured coming here would be a good way to find out if I could hack it," he explains.

from Loma Linda University.

Mr. Blue spent three weeks at Malamulo Hospital this summer because "I'm intrigued with adventure and I've always wanted to see Africa. I wanted to see third world medicine first hand. Here, I've seen rare diseases such as tuberculosis, leprosy, and polio.

"I've also considered becoming a missionary and I figured coming here would be a good way to find out if I could hack it," he explains.

"Africa is gorgeous, especially Malawi. And Malamulo Hospital is hardly a bush hospital."

Since Gilbert Burnham, MD, PhD, came to Malamulo Hospital 11 years ago, dramatic changes have been made. The hospital is now considered among the best in the country. Many additions and renovations have been made at the 200-bed hospital, which also operates a nurse and medical assistant training program.

The hospital also operates an extensive under 5 clinic. Last year, over 13,000 children were seen just at Malamulo. Another 1,600 children were seen on mobile clinics.

It's sad, but it's a good experience . . .

Jeff Hamlin, a sophomore medical student, and his wife,

Please turn to page 16

SIMS...

Continued from page 1

and SAC (Social Action Corps) activities. She spent many hours working with students on an individual basis, arranging their travel itineraries.

SIMS is supported by Loma Linda University and private donations of funds and supplies. SIMS is dependent upon the generosity of private individuals and foundations to assist in the cost of transporting students to various mission projects around the world. The students carry the burden of raising financing for themselves, but SIMS has assisted in their travel expenses, making it possible for more students to participate.

"Nearly everyone who is now serving in the mission field has been there before," says Dr. Hart. "Sending young people into the mission field while they are in school for a short period of time helps them decide whether they would like to serve in the mission field after they graduate."

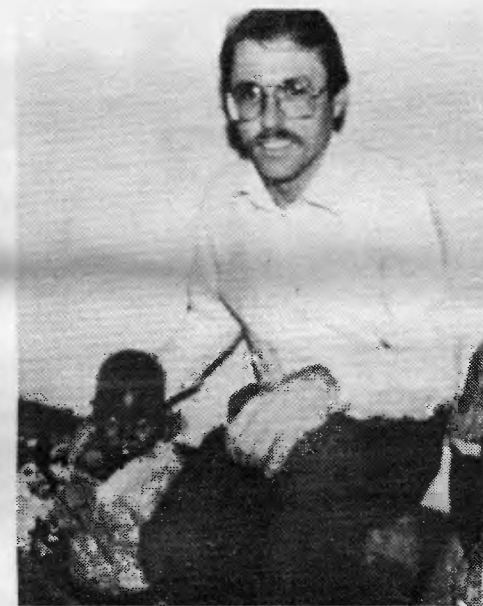
The names of students and faculty, and the countries they worked in this summer are listed below:



This young man is obviously proud to call Africa "his home."



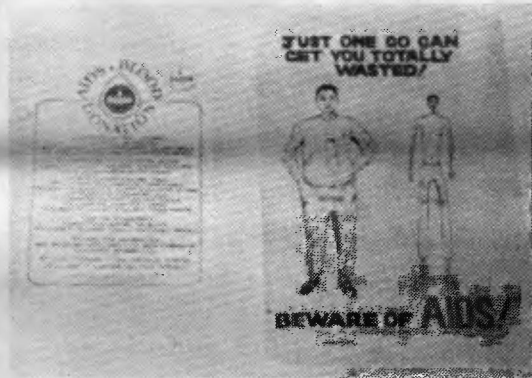
Senior medical student Mark Ranzinger observes a pediatric patient with an eye infection at Mwami Hospital. Mr. Ranzinger spent most of the summer at Malamulo hospital for his senior elective.



Senior dietetics student Don Wonderly worked on the malnutrition ward at Mwami Hospital.



These ascaris- (worm) filled intestines were surgically removed and are now preserved in the Mwami Hospital laboratory. Ascariasis is not generally life-threatening and is typically found in about half of the East African population.



In some portions of East Africa, as many as 20 to 30 percent of the population is HIV positive. Posters emphasizing the dangers of AIDS are not uncommon, however much more extensive health education is needed to stop the spread of the disease.

(Mrs.) Ruth Ranzinger
Richard Hart, MD
Briana Hart, Mesa Grande Junior Academy
Chandra Hart, Monterey Bay Academy

Trends in Medical Missionary Work Overseas

The mission field of the late 1980s is not the same as it was in the early part of this century when Adventist pioneer mission families forged through jungles and across desert expanses to carry the message of the Gospel and healthful living to people dwelling in isolated regions of the world. Today, much of the world has been touched by the influence of Seventh-day

*Mr. Ranzinger was not formally with the SIMS program, he went to Malamulo Hospital, in Malawi, for a three-month medical elective.

Adventist missionaries and those from other Christian churches."

Seventh-day Adventists operate a network of more than 450 hospitals around the world. From these hospitals, community health and immunization programs have been launched, bringing a better quality of life to thousands of people.

At the same time, the political situations in many developing countries have destabilized, making it difficult, and in some cases impossible, for expatriate missionaries to enter the work. Governments of third and fourth world countries are increasingly providing allied health and para-medical education for their own young people. The General Conference is now focusing on nationalizing mission positions when at all possible. This has cut out the need for allied health professional ex-

patriates in many countries.

In the case of graduate medical training, however, the situation is more complicated. When a student from a third world country is sent to the West for medical education and residency training, new cultural and financial ties often make it very difficult for that student to return home after completing his training. This creates a tremendous financial drain on the organization sponsoring the student's medical education, and no benefit is realized by the student's home country when he chooses not to return.

In the future, it is hoped that medical residency programs may be established in some of these countries, thus enabling national physicians and dentists to be fully trained in their own countries. Until these programs are established, however, the need for expatriate medical per-

sonnel remains.

This is why Loma Linda University graduates — 86 dentists and 113 physicians — are serving as missionaries around the world. In Africa alone, there are 21 dentists and 23 physicians from Loma Linda.

Mwami Hospital and Leprosarium, Chipata, Zambia

Donald Ashley, MD, and his wife Shirley Ashley, MD, both graduates from LLU School of Medicine, have been at Mwami Hospital for over five and one-half years. They met at Loma Linda, and "before we got married, we both agreed that we wanted to spend our lives in the mission field," Dr. Shirley Ashley recalls. Prior to the birth of their third son, Eric, last fall "Dr. Shirley" shared responsibilities with her husband, a neonatal specialist, and othe

Mexico
Michael Ing, SM'90
Juan Narvaez, SM'91
Terry Shibuya, SM'90
James Osborn, SM'91
Marilyn Kimura, SM'91
Stanford Shu, SM'91
Charla Neal, SM'91
Clarence Donaldson, MD
(Mrs.) Margaret Donaldson
Mark Saylor, DDS, SD'86
Gerald Roberts, SD'89
Jennifer Harris, dental hygiene senior
Christine Kelly, dental hygiene senior

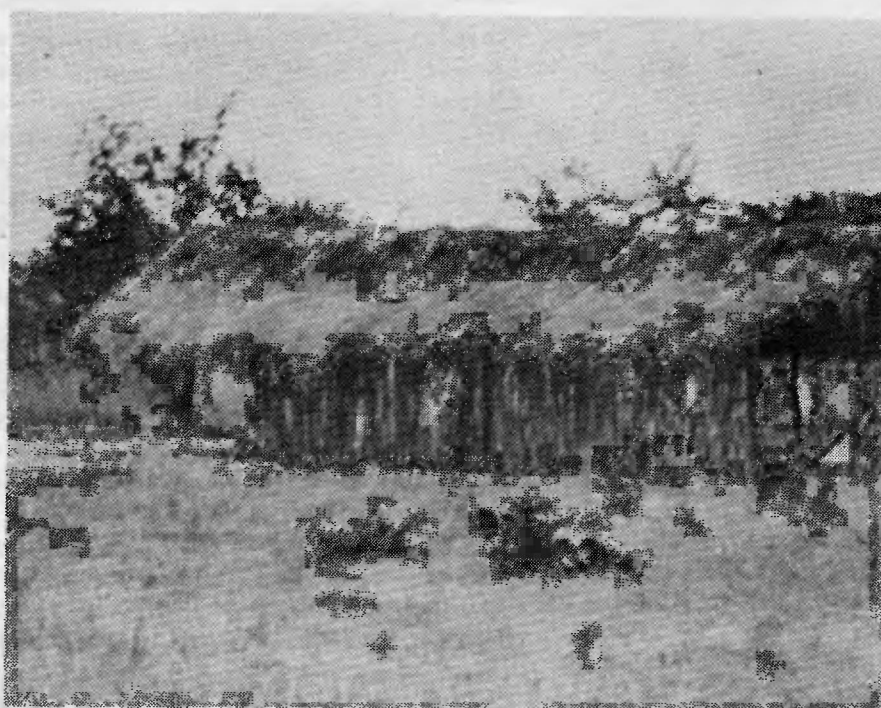
Pakistan
Najeeb Chaudry
Art Giebel, SM'91
Nancy Calzado, SAHP-PT'89
Marianne Domingo, SAHP-PT'89

Philippines
Sean Mallari, SM'91
Greg Mowery, SM'91
Jo Orquia, SM'91
Priscilla Rivera, SN'88

Malawi / Zambia
Tim Arnott, SM'90
Ken Arnott, SM'88
David Blue, SM'91
Jeff Hamlin, SM'91
Janice Hamlin, SAHP-PT graduate
Rosemary Scuka, SAHP-Diet. '89
Susan Hardt, pre-PT, CAS
Faith Gray, SM'91
Greta Sanchez, SN'90
Rob Watrous, SM'92
Donald Wonderly, SAHP-Diet. '89
*Mark Ranzinger, SM'89



Physical therapist Jan Hamlin works with a burn patient at Malamulo Hospital. Jan also presented several lectures on physical therapy techniques to hospital staff during her stay.



Nsolo Seventh-day Adventist church's thatched grass roof is supported by small tree trunks. Villagers pack this church on Sabbath morning. Loma Linda University students sang and preached here.



Seated on a home-built hoe, freshman medical student Rob Watrous gathers his new friends for a group picture.

achieved one of the best reputations in Malawi. Families of government officials and other dignitaries have been patients on the private ward of the 200-bed hospital.

The hospital charges patients anywhere from \$.65 / day (maternity ward) to \$.96 / day for inpatient care. This fee includes nursing care, doctor's fees, a bed, medications, and laboratory tests—essentially everything but food, surgery, and delivery. Village patients account for 94 percent of the patient load; however, they generate only six percent of the hospital income.

Dr. Burnham says, "There are two things I depend on here at Malamulo, one is Divine Providence, the other is grant money."

Malamulo has received over three million dollars in grant funds — primarily from USAID. These funds have been used to reconstruct or build a pediatrics

"There are two things I depend on here at Malamulo, one is Divine Providence, the other is grant money."

ward, a maternity ward, three operating room suites, a student dining hall, a community health center, a private patient ward, a general ward, and a medical assistant training school, which is currently under construction.

Dr. Burnham, a tropical disease specialist, reports that "the most common medical ailment is malaria. Half of the population has worms. Respiratory diseases, intestinal diseases, AIDS, tuberculosis, and heart disease are also major problems.

"There is an enormous amount of stress in rural Africa," Dr. Burnham contends. "This arises from the struggle these people have just to survive. The stress creates high blood pressure, which, in turn, causes heart disease.

"Forty-three percent of the children die by age 10; fifteen percent die in their first year of life. Half of the population's growth is stunted because of malnutrition. Life expectancy for men is 41 years. For women, it is 43 years. If a child makes it to age 10, his chances of survival increase to the 50s."

The hospital's staff runs a nurses' training program and a medical assistant training pro-

Please turn to page 28

physicians at Mwami. Currently Dr. Charles Wical, an anesthesiologist and also an LLU alumnus, helps to cover the busy workload at Mwami.

For the past several months, Drs. Ashley and Wical have been the only physicians at the overflowing 150-bed hospital that operates at 120 to 150 percent of capacity. Rounds alone can take two or three days to complete. The doctors are dependent on nationally trained Clinical Officers (CO) (roughly equivalent to a Physicians Assistant in the US) and nurses to administer much of the day-to-day patient care. Much of the physicians' time is spent solving crises.

Although neither doctor was trained to be a surgeon, both operate out of necessity, although there are times when they would prefer not to. "When a patient comes in

needing surgery, I realize if I don't do something, the patient will certainly die," Dr. Ashley says.

"I have my medical textbooks here at home, so if something comes up that involves a procedure I haven't done before, I look it up, then I go do it," Dr. Wical explains.

The doctors contend with a shortage of supplies every day. They often run low on badly needed items such as surgical gloves, bandages, IV solutions, antibiotics, and other basic medical supplies. They re-use gloves several times before discarding to conserve on the supplies they do have. They are dependent upon private donations, US aid agencies, and the Zambian government to stock their hospital. The government pays the hospital approximately \$.50 per patient per day, and mandates that patients receive

all medical care free of charge.

Despite the shortages, "people from all over this region choose Mwami over other hospitals," Dr. Shirley says. "I think they can sense the difference. They know this is a Christian hospital and they appreciate the extra care and attention that they receive here."

Boateng Wiafe, MD, an ophthalmologist from Ghana who received his medical training in Romania, has chosen to return to Africa to serve. He operates the eye clinic at Mwami Hospital, and also conducts a mobile clinic screening patients in different villages.

A new wing is currently under construction at Mwami. When completed, it will provide much-needed beds for patients on the overcrowded malnutrition and pediatrics wards.

Twyla Reimche, RN, MPH, a graduate from LLU School of

Public Health, runs the nurses' training program at Mwami Hospital. Sixty students are currently enrolled in the four year program, from which fifteen LPN-equivalent nurses graduate each year.

Malamulo Hospital, Mikwasa, Malawi

During the years that Gilbert Burnham, MD, PhD, (SM'68) has been medical director at Malamulo, the hospital has prospered. Two other LLU alumni, Bill Hayton, MD, an obstetrician, and Ken Lawson, MD, a general surgeon, also work at the hospital.

When Dr. Burnham arrived 11 years ago, many improvements were desperately needed. Through Dr. Burnham's able leadership and the astute guidance of the hospital business manager, Braam Oberholster, the hospital has

Outstanding students honored for achievements

Loma Linda University recognized its outstanding students on the La Sierra campus in a scholarship and awards assembly shortly before the close of the school year. Students were honored for their achievements in the Schools of Business and Management, Education, Religion, and the College of Arts and Sciences.

Who's Who

This year, 68 high achievers were nominated to *Who's Who Among Students in American Colleges and Universities*. From the School of Education: Goldson Brown, Loma Linda; Karen Carrigg, Highland; Elizabeth Dutro, Colton; Frances Grossenbacher, Redlands; Joanne Hoult, Colton; Candice Jaqua, Goleta; Gwendolyn Meredith, Altadena; Dawn Pence, Yucaipa; Robert Spencer, Moreno Valley; Gary Thomson, Loma Linda; Diana Wheeler, Alta Loma; Phyllis Woods, Redlands; Margaret Young, Riverside.

From the School of Business and Management: Robert Bauman, Riverside; Julie Cassel, Riverside; Michelle Chang, Riverside; Tamara Davis, Loma Linda; Marian Dealy, Corona; David DeLay, Riverside; John Dickinson, Loma Linda; Dwight Duffie, Grand Terrace; Hiam Gad, Riverside; David Hoppe, Riverside; David Kim, San Gabriel; May Lee, Los Angeles; Alison Newman, Alhambra; Brian Whitley, Riverside.

From the College of Arts and Sciences: Herman Aldana, Riverside; John Berglund, Rialto; Mical Bru, Redlands; Katherine Cartagena, Riverside; Ivonne Chand, Riverside; Julianne Christinson, Idyllwild; Clark Davis, Redlands; Dwight Duffie, Grand Terrace; Greg Frykman, Redlands; Roger Gallant, St. Catherine's, Ontario, Canada; Rigoberto Gallegos, Riverside; Beth Gimbel, Loma Linda; Elie Ghazal, Redlands; Duncan Harris, Redlands; Kristina Haynal, Colton; Laura Heinsman-Gulley, Loma Linda; Nina Ho, Loma Linda; Timothy Ho, Northridge; Robert Hunsaker, Escondido; Wissam Khoury, Redlands; To-Lan Le, Westminster; Philip Lee, Moreno Valley; Renee Lim, Redlands.

Paul Mallery, Riverside; Roselie Miller, Grand Terrace; Ronald Parker, Corona; Deborah Phillips, Brooklyn, New York; Martin Rasmussen, Scottsdale, Arizona; Bruce Smith, Riverside; Rachel Stewart, Kirkland, Washington; Angela Strickland, Homewood; Iriani Sutanto, Fullerton; Lori Swayze, Lake Elsinore; Philip Tallman, Glendale; Catherine Tan, West Covina; Wynema Walter, Finley; Richard Webb, Riverside; John

Wical, Redlands; Carmen Wisdom, Loma Linda; Joseph Wren, Loma Linda.

From the School of Religion, Loma Linda University's newest school: Carlos Garbutt of Riverside.

Awards

The College of Arts and Sciences presented 28 different awards to deserving students: the Edmund C. Jaeger Endowed Scholarships went to Gavin Henriques, Fullerton; Ferrabi Hussain, Lancaster; Walter Maier, Loma Linda; Albert Martin, Rialto; Trinh Tang, Colton; and Barry Watkins, Redlands. The Edmund C. Jaeger Book Awards were presented to Leslie Baluyot, Loma Linda; Angela Cha, Redlands; Wendy Chung, Whittier; Nilima Kapoor, Los Angeles; Wendy Lewis, Loma Linda; Anil Mall, Riverside; Elaine Ngo, Redlands; Joe Nguyen, Huntington Beach; Peck Ong, Grand Terrace; Steve Pyle, Loma Linda; and Eugina Wen, Los Angeles.

The Biology Department Service Award was received by Hal Milliken, Riverside; the Alonzo L. Baker Scholarship, by Patti Choi, Glendale; and the Elmer G. Ross Latin American Studies Scholarship, by James Braun, Glendale. Three chemistry awards — the Chemical Rubber Company Freshman Achievement Award, the American Institute of Chemists' Award for an Outstanding Senior, and the Chemistry Faculty Award — were given, respectively, to Yao Weng Hsu, Anaheim; To-Lan Le, Westminster; and Tim Ho, Northridge.

The Neff-Lewis Endowed Scholarships were presented to Jan Holden, Riverside; Sandra Ingram, Riverside; Stefan Johnson, Takoma Park, Maryland; Michael Kinnen, Sylmar; and Kyunghi Lim, Riverside. The Marie Barber Marchus Endowed Scholarships were received by Brit Ghelfi, Orange; Shannon Gillespie, Riverside; Laura Heinsman-Gulley, Loma Linda; Korrie Riter, Loma Linda; and Carmen Wisdom, Loma Linda. The Health, Physical Education and Recreation Awards went to John Chen, Caldwell; Rhonda Hamerslough, Riverside; DeEtta Mooers, Auburn, Washington; and Ian Sandy, Riverside.

The Outstanding Western Civilization Student Award was presented to Robert Rosich, Lodi; the Legislative Internship, to Terri Lynn Potter, Bakersfield; the Wilfred J. Airey Pre-law Scholarship, to David Hoppe, Riverside; the M. C. Taft Law Scholarship, to David Hoppe and Brian Whitley, Northridge; the Landeen-Airey-Hilde History

Award, to Denny Singh, Metairie, Louisiana; and the Outstanding Pre-law Senior Award, to Monica Flores, Riverside.

Hilmer Besel Awards in Math and Computing went to John Burglund, Rialto; and Philip Tallman, Glendale. Fober Greater Yucaipa Area Music Scholarships were received by Adrian Dumitrescu, Loma Linda; and Daniel Brown, Colton; and the Music Faculty Scholarship was presented to Chris Genobaga, Riverside.

Heather Hessel of Calimesa received the Alfred Walters Scholarship; Marcella Anderson of Hemet, the I. G. and Emma Ortner Scholarship Fund; and Charmilyn Arlantino of Baldwin Park and Bernice Sandles of Riverside, the Lois McKee Endowed Scholarships. Outstanding Achievement in General Physics went to Elie Ghazal, Redlands; and Brent Rathbun, Riverside; while Leilie Javan, Glendale; and Doug Plata, Redlands; received the Senior Recognition in Physics. The Physics Department Endowment Scholarships went to Marvin Karlow, Riverside; and Richard Webb, Riverside.

Paul Mallery of Riverside was presented with the Richard Christian Nies Endowed Scholarship. Social Relations Awards in Child Development went to Natalie Arrington, Los Angeles; Kira Burnham, New York, New York; and Berta Henry, Riverside. Social Relations Awards in Social Relations went to Ivonne Chand, Riverside; Susan Kim, Fairburn, Georgia; Colette Martin, Riverside; and Melinda Sellers, Orange.

The School of Business and Management awarded five different honors. Awards in management went to Mike Holmes, Riverside; Lisa Meadowcroft, Riverside; Eddy Palacios, Riverside; Brent Rathbun, Riverside; and David Wong, San Bernardino. Accounting awards were received by Kristine Webster, Riverside; and Rodean Mercurio, Glendale. Loma Linda Foods Awards were given to Chandos Nelson, Redlands; and Jason Bingham, National City. Sherrie Stevens of Van Nuys received the Lourdes Silva Award; and Renee Hsieh of Loma Linda, the Jenny Phek Sim Teoh Endowed Scholarship.

Four more award categories came from the School of Education. The Maybel Jensen Memorial Endowment was given to Esther Lopez, Los Angeles; Dawn Pence, Yucaipa; Wynema Walter, Finley; and Cheng Yu, Hong Kong. Angela Giles of Pensacola, Florida, accepted the Dortha G. Airey Endowed Scholarship.

Graduate assistantships were given to George Araya, Riverside; Goldson Brown, Loma Linda; Kelvin Clark, Loma Linda; Cynthia Hall, Northridge; Joanne Hoult, Colton; Masa Masanja, Quezon City, Philippines; Asubuhi Otiemo, Manila, Philippines; William Saunders, Riverside; Margaret Young, Riverside; and Victor Zimchek, Oroville.

Teacher Education Scholarships for directed teaching went to Michelle Abear, San Diego; David Allen, Vancouver, Washington; Natalie Arrington, Los Angeles; Jorge Baute, Los Angeles; Nancy Camp, Spring Valley; John Chen, Caldwell, Idaho; Gilbert Deaton, Barstow; James Esteb, El Cajon; Maureen Flynn, Redlands; David Frymire, Riverside; Nancy Harlan, Riverside; Mike Heghesan, San Bernardino; Berta Henry, Riverside; Conita Hernandez, Thousand Palms; Michelle Jerde, Rancho Santa Fe; DeEtta Mooers, Auburn, Washington; Kimberly Palmer, Riverside; Dawn Pence, Yucaipa; Deborah Perry, Meadow Vista; Laurie Rathbun, Riverside; Susan Stirewalt, Hollister; and Mary Wagner, Loma Linda.

In the School of Religion, the V. Norskov Olsen Endowed Scholarships were given to Steven Shaw, Riverside; Robert Skoretz, Colton; and Juan Carlos Sanchez, Chula Vista. The Lavina Northrop Scholarship was received by John Blanchard, Oceanside; Kenneth Hall, Garden Grove; and Kenneth Morgan, Riverside. John Choi of Rowland Heights received the Helma Magnusson Award.

Several other awards were given to La Sierra campus students which were not limited to the individual schools. The Irvine Foundation Endowed Scholarship went to Joe Nguyen, Huntington Beach; the Clarence and Ellen Judd-Peterson Endowed Scholarship went to Peck Ong, Grand Terrace; and the Ellen Rickard Scholarship went to Stefan Johnson, Takoma Park, Maryland. The Thomas A. and Helen Little Endowed Scholarships were given to Irene Blair, Beltsville, Maryland; and Marilyn Manuel, Loma Linda.

Kwai-Choi Lam Scholarships were received by Yao Hsu, Anaheim; Esther Lee, Wilmington; Pamela Wong, Fallbrook; and Sonja Wong, Fallbrook. George H. Mayr Scholarships went to Eric Chacon, Bakersfield; Minou Chau, Anaheim; April Dulan, Fresno; Brit Ghelfi, Orange; Robert Hunsaker, Escondido; Leslie Johnson, Oakdale; April Kelly, Mission Viejo; Tri Quach, Fountain Valley; and Marc Shima, Ramona.

Harry Schrillo Scholarships were given to Nidalie Abriol,

Fresno; Karen Edwards, C'sted, St. Croix; Suratsvadee Higaravathn, North Hollywood; and Deborah Phillips, Brooklyn, New York. The Tracy Teele Memorial Endowed Scholarship was presented to Ranulfo Raposo, Riverside; the Lester H. Cushman Endowed Scholarship, to Ann Baerg, Sonoma; the Howard Welty Loyal Daughters Endowed Scholarship, to FeAimee VillaFranca, Riverside; the Howard Welty Loyal Sons Endowed Scholarship, to John Fokwah, SW Province, Cameroon; and the Paul and Evelyn Wickman Endowed Scholarship, to Jennifer McCarty, Fullerton.

Leon Heseman Awards were presented to Michelle Beaven, Riverside; Christine Costa, Loma Linda; Keith Curtis, Riverside; Hermogenes Guerpo, Riverside; Kenneth Le, Riverside; Shana McAnally, Loma Linda; Mike Quishenberry, Loma Linda; Lynnetta Singh, Riverside; and Nancy Villanueva, Loma Linda.

Alumni Challenge Endowment Scholarships went to Pauloma Harrigan, British West Indies; Mahindokht Jafari, Ontario; James Ku, Honolulu, Hawaii; Bonnie Mamanua, Loma Linda; David Pendleton, Honolulu, Hawaii; Jackie Sandquist, Hamilton, Montana; Esther Trivino, Riverside; and Maureen Webster, St. Thomas, U.S. Virgin Islands. Luther and Perl Hughes Scholarships were received by Nikki Ash, Nassau, Bahamas; Jose Encinas, Douglas, Arizona; Yen Shih, Cerritos; and Eleanor Weekes, New Orleans, Louisiana.

SIMS . . .

Continued from page 13

Jan Hamlin, a physical therapist (and graduate of SAHP) also spent time at Malamulo Hospital.

Mrs. Hamlin taught several classes on physical therapy to the medical assistant and nursing students. She also worked with burn patients.

"I worked with one boy who had severe burns covering 40 percent of his body," Ms. Hamlin recalls. "Burns are pretty common in Africa, especially in children with epilepsy. If they happen to have a seizure when they're near a fire, they're likely to fall in, and they're often burned quite badly before someone retrieves them from the fire.

"It's very sad to see burn patients, but I don't work with burn patients in the US, so this has been a good experience for me," she says.



Jerome Jablonski, DDS, director of extramural programs for the School of Dentistry, assists and instructs senior Janelle Kuhlman and junior Carolyn Ghazal as they examine a patient on the recent dental trip to Higuera, Mexico.



One of the two groups which went to Higuera was an all-woman team: (from left) Julie Lazo (1988 graduate); Debbie Hom, junior; Janelle Kuhlman, senior; Carolyn Ghazal, junior; Mrs. Jablonski; Jayna Chung, junior; Diana Johnson, junior; and Thuy-Nga Vu, junior.



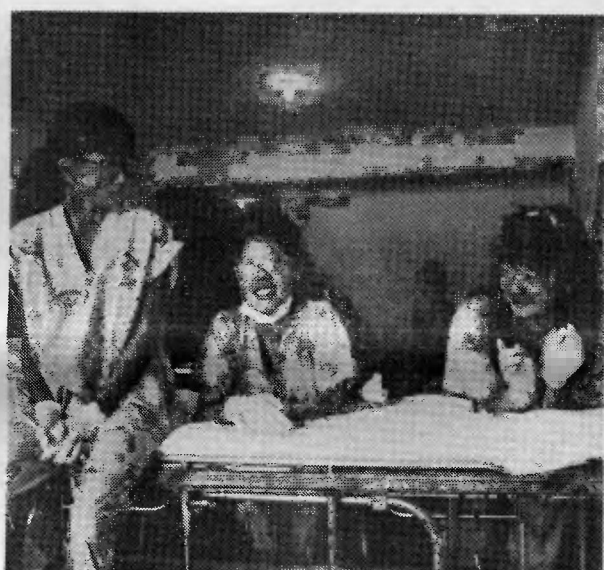
1988 graduate Tom Heinrichs



Senior Kendall James



Patients wait outside the "clinic" — the garage of Adventist gynecologist Saul Munguia.



Taking a break between patients are (from left) Julie Lazo, Debbie Hom, and Jayna Chung.



Dr. Jablonski (center) talks with Dr. Virgil Ildefonso, another dentist who supervised on the trip (left), and Dr. Saul Munguia.

Dental extramural program sends students to work around the world

by Julie Murdoch, summer intern, University Relations Office

The Loma Linda University School of Dentistry has an extramural program which offers dental students diversified choices and unique experiences. This year's program, coordinated by director of extramural programs Jerome Jablonski, DDS, sent dental students to work in locations around the United States and the world.

This summer there were several short mission trips of about ten days each to different areas in Mexico. Two groups of students went to the state of Chiapas in southern Mexico. Because of the cost of transporting equipment, only extractions were done. Senior dental student Trish Van Dyke estimates that she and the other nine members of her group pulled about 750 teeth in their

travels to three locations. In some areas of Chiapas dental help hasn't been available in years, and conditions are very bad due to lack of education.

Other students spent time working in Higuera, Mexico, where they did extractions, fillings, and cleanings.

Although within the same country, the students in Mexico had experiences which were quite different. The Higuera students stayed at the home of a local Adventist physician — "an oasis," according to Dr. Jablonski, complete with fruit trees, flowers, and a swimming pool. "It was a luxury compared with usual trips, a pleasant surprise."

Some of the students who went to Chiapas experienced another sort of surprise. One

night they stayed in a barn which had formerly been used to house pigs.

Some extramural students chose to remain in the United States, working for the Coast Guard in various states. One such person was senior Johanna White who went to the U.S. Coast Guard Academy in New London, Connecticut. While there, she took care of the teeth of Coast Guard dependents and retirees, something the regular Coast Guard dentists don't have time for.

Three others who chose to stay in the U.S. worked in an Adventist clinic in Monument Valley on the Arizona-Utah border. While the clinic was modern enough to have four dental chairs and four orthodontic chairs, senior Julia Carlson

Hughes says she was seeing people whose teeth were worn down, probably due to eating corn ground by hand with stones. The LLU students needed the dental assistants to translate for them into the Navajo language.

Other dental students opted for a longer experience far away from home. They spent ten weeks in a clerkship program at established clinics in various parts of the world. This year students went to Zimbabwe, the Philippines, Saipan, Pakistan, Cameroon, Taiwan, Korea, Puerto Rico, and Mexico.

"I wouldn't recommend it as a vacation. . . , but as far as service, yes, I would recommend it," says Timothy Elloway, a senior who spent time in a clerkship program in Monte-

morelos, Mexico.

Everywhere LLU dental students went, people were appreciative of their efforts to relieve pain. At Higuera, the student dentists were invited to the local graduation ceremony, where they were honored guests. Mr. Elloway says people in Montemorelos brought him pie and other food. In one Chiapas town, the city fathers invited the group back.

Through the extramural program, students will keep going on trips every year. Interested people are invited to help, either by going on a trip or by contributing financially. Dr. Jablonski would like to encourage this. "It feels good to be a part of it," he says.

School of Education faculty keep busy in summer with special teachers' programs

by Sheila Elwin
Interim La Sierra campus correspondent

School is out! Students bound for home, summer jobs, and the beach depart campus in a wave. Teachers in the Loma Linda University School of Education, having worked all year to produce yet another crop of outstanding teachers, return...home for a much-deserved rest? No, it's back to campus for these educators to greet a schedule loaded with special summer programs.

One such is in the department of curriculum and instruction, chaired by Betty McCune, EdD. Teachers from the Southern and



David Allan Hubbard, ThM

La Sierra Colloquium to feature Dr. Hubbard on September 20

'Wholeness in Discipleship' is the subject to be presented by David Allan Hubbard, ThM, president of Fuller Theological Seminary, for the annual La Sierra Campus Colloquium on Tuesday, September 20.

An ordained Baptist minister, Dr. Hubbard has served at Fuller Theological Seminary in Pasadena since 1963. He is also a professor of Old Testament there.

As a lecturer and writer, Dr. Hubbard is in constant demand. His speaking engagements have taken him to every continent on the globe. He is the author of 32 books and has contributed to numerous other publications.

Born and raised in Oakland, both of his parents were ordained ministers. He received a bachelor's degree from Westmont in 1949, a BD from Fuller in 1952, and a ThM from Fuller in 1954. He went on to obtain a PhD in Old Testament and semitics from St. Andrews University, Scotland, in 1957; a DD from John Brown University; an LHD from Rockford College; and a DLitt from King Sejong University in Korea.

Dr. Hubbard and his wife, Ruth, have one married daughter, and live in Pasadena.

Southeastern California Conferences, as well as from the Central and Northern California Conferences, Hawaii, and Arizona, converged on campus in late June for a seminar on "Cooperative Learning." Directed by Carolyn Bainer, coordinator of staff development in the Corona / Norco Unified School District, the seminar trains teachers to help "small heterogeneous groups of students work together cooperatively to learn social studies, mathematics, science, and other subjects," says Dr. McCune. Combining students of different ability levels on learning tasks has been found to be very effective with all students, but particularly with those who are not as advanced, she says.

The "Writing Seminar for Teachers of Kindergarten through Grade 12," led by Drs. Beverly Beem and Susan Gardner, professors of English at Walla Walla College, was offered for the second summer to Loma Linda University graduate students. Improving writing skills in teachers and helping them to have positive feelings about their own writing abilities will ultimately benefit the students in their classrooms. It was a well-received session, and "every seminar-participant was enthusiastic," notes Dr. McCune.

Also within the school is the credentials office, serving the entire University as a credentialing center. Things are "really booming" in this office, "because it's being reorganized now that education is critical," says James Scott, EdD, chairman of the department of foundations of education, and of the credentials office. As an extension of the state office in Sacramento, the credentials office issues teaching credentials in single and multiple subjects, special education specialist, and administrative services credentials, and credentials in pupil personnel services and school psychology. They also coordinate with the School of Allied Health Professions to offer credentials in speech pathology, and with the School of Nursing for the school nurse credential.

Dr. Scott's office is now gearing up for the six-year evaluation in April when guidelines and criteria for teaching will be examined, and programs will be checked for proper upkeep. He is confident, though, as LLU's programs remain superior. In fact, "all the district that we [in the School of Education] serve prefer LLU students as student teachers. They sometimes try to hire them before they graduate," Dr. Scott emphasizes. "The districts have told us that our students are by

far the best!"

Another department under Dr. Scott, which serves as a service department to the rest of the School of Education, is educational foundations and research. Though the MA and EdS degrees are offered, the department's main service is to give basic courses in research methodology, statistics, history and philosophy of education, and sociology of education. Students in degree programs for school administration, curriculum, counseling, and educational psychology all take these basic courses from the educational foundations department.

Currently reorganizing, the department will offer an increased emphasis on research methodology and involvement. Future possibilities also include institutes addressing the problems of gang mentality and education, and parenting as it relates to Adventist education, and moral development.

LLU is not limited to two campuses this summer. The School of Education's extended campus program reaches to Union College in Nebraska, Southern College in Tennessee, Canadian Union College in Canada, and as far away as Universidad Adventista de Centro America in Costa Rica, and Avondale College in Australia.

Faculty from Loma Linda University, and faculty connected with LLU through the program but based at each college, teach at each of the three North American colleges. All courses in Costa Rica and Australia are taught by faculty from LLU. Each summer campus also received a visit by the dean, Wallace Minder, EdD, or by Dr. Scott, program director, for purposes of student advisement and program assessment.

On each of the North American campuses, students may complete a master's program in elementary education or a secondary education subject over the course of four summers. They can also take core courses there, and then come to LLU to complete

Dr. Phyllis Woods appointed to coordinate recruitment

The deans of the Schools of Dentistry, Medicine, and Public Health have invited Phyllis Woods, EdD, associate dean for marketing and recruitment in the School of Medicine, to coordinate recruitment for all three schools.

"Because the concept of interdependence will characterize those institutions that thrive in



School of Education
Alumnus profile:

Donauvin F. Krause, EdD

After years of hard work and diligent study, Donauvin F. Krause, a recent graduate of Loma Linda University, may now place EdD behind his name.

Dr. Krause, who received his undergraduate education from Walla Walla College, is a teacher in the division of education and social sciences at Canadian Union College in College Heights, Alberta, Canada. Though he enjoys teaching, his new degree in administration and leadership from the School of Education will open up further administrative possibilities.

The doctorate of education in administration and leadership includes numerous and diverse classes in curriculum and instruction, counselor education, and educational foundations, as well as in administration and leadership. Dr. Krause's dissertation studied the background characteristics and professional preparation received by elementary school principals within the Seventh-day Adventist school system in Canada.

"I really enjoyed the classes, the quality, and the professionalism in the department of administration and leadership," says Dr. Krause. "I believe I obtained as good an education here as is available."

Clifford Jaqua, EdD, professor and chairman of administration and leadership in LLU's School of Education, adds that Donauvin Krause "has been an outstanding student, and we have felt it a privilege to help him continue his education so he can be even more effective in his work at Canadian Union College."

degrees in administration and leadership.

Courses in Costa Rica and Australia operate during December and January, their summer. Both countries offer master's degrees in leadership and administration. Australia also offers the MA in curriculum and instruction for K-12.

The department of educational psychology and counseling is enthusiastic about plans for the coming school year. Steven Daily, DMin, campus chaplain, will be teaching two education courses for the first time, says Cheryl Simpson, PhD, chairman of the department.

Dr. Daily, a 1975 graduate of Loma Linda University and chaplain on the La Sierra campus for nine years, will bring his background in ministry and counseling to two courses in the

master's program in counseling.

"Dynamics of Individual Behavior" and "Counseling Christian Youth" will take a wholistic approach to counseling and understanding behaviors, and will continue to integrate counseling with spirituality.

The first course, on behavior, is meant to introduce graduate students to major psychological theories and their practical applications, says Dr. Daily. This course will be helpful in understanding human behavior and personality, and will focus not only on theory but also on practicality and meaningfulness for application to everyday life.

"Counseling Christian Youth" could also be called "understanding" Christian youth, points out Dr. Daily. This class would be helpful to parents as well as to students who wish to understand the psychological dimensions of teenagers, he says. It will take a topical approach, studying significant issues confronting adolescents today, such as sexual identity, loss, defense mechanisms, suicide, depression, and psychological, spiritual, and emotional development.

Both courses will be of interest to students in majors other than education, and Dr. Daily encourages them to take either course as an elective: "I'm really excited about both courses, and think they will have general appeal to a lot of students."

the future, I am convinced that this is a strong, proactive move for our University," says Wayne R. Judd, executive director of marketing. "In addition to addressing immediate enrollment management needs, Dr. Woods will be working with me in designing a long-range strategic plan for securing the futures of these three important schools."

Dr. Nelson Thomas named new assistant to the vice president for student affairs

Students from over 80 countries around the world who attend Loma Linda University can now seek advice and assistance from Nelson Thomas, PhD, director of international student advising. Dr. Thomas, who also serves as the director of convention services, is the new assistant to the vice president for student affairs.

As the academic advisor to international students, Dr. Thomas deals with a tremendous amount of legal information. Eight to ten different types of visas can be found on the La Sierra campus, he says; for each he must be familiar with entrance requirements, renewal of visas, restrictions concerning leaving the country and re-entry to the U.S., and other guidelines.

Much of his time, though, is spent dealing with people and their lives. "One of the difficult challenges is ethical decisions regarding student circumstances and the law," says Dr. Thomas, continuing, "One thing that helps us is that we are members of the National Association for Foreign Student Affairs." This



Nelson Thomas, PhD

organization has yearly and quarterly meetings to keep its members abreast of national laws.

Another challenge is finances. Often students are yearning to attend Loma Linda University, but have no financial means to be supported by or even by which to get here. Along these lines, Dr. Thomas is enthusiastic about developing a special scholarship fund for international students.

Academic advising is the most rewarding part of his job, "because that's when you really

sit down and spend time with them," says Dr. Thomas.

Every now and then something unexpected — but welcome — happens. Dr. Thomas has received a letter from an American company with a business branch in a foreign country. The company was seeking an American-educated national to work in the foreign branch, and contacted LLU because of its international student program.

In the future, Dr. Thomas hopes to coordinate an orientation program to help students adjust to the American culture by using services on campus. Currently, several international student clubs such as the Chinese Association, Ole, and the International Club help to meet social needs.

Dr. Thomas began his current position on July 1, and is also the sponsor of Associated Students of Loma Linda University and co-director of Elderhostel, as well as being responsible for special social functions such as Festival of Nations and Almost Anything Goes.



The four Loma Linda Academy principals (from left) are: Doug Herrmann, high-school principal; Dr. Gayle Rhoads, head principal; Dr. John Thorn, elementary school principal; and Arne Muderspach, junior-high principal.

Loma Linda Academy launches new year with 1,406 students

Loma Linda Academy begins the 1988-89 school year on Tuesday, August 30. The high school and junior high will begin classes at 7:50 a.m. on that day, while the elementary school will begin at 8:05 a.m. The new starting schedule has been worked out with environmental protection services of the city of Loma Linda to avoid the heavy traffic congestion and heavy smog concentration in the area when all three schools begin at the same time.

Teachers reported for duty on August 15 and have been busy attending meetings, workshops, and conventions, in addition to making final preparations for their classes. The elementary teachers have had an extra-heavy load during the last two weeks, moving from the old school to the new.

An open house for the new elementary school will be scheduled in September when the community and all the constituents will be invited to see the new school plant.

Gayle Rhoads, EdD, new head principal, took over his responsibilities on July 1. On the same day, Doug Herrmann took over the principalship of the high-

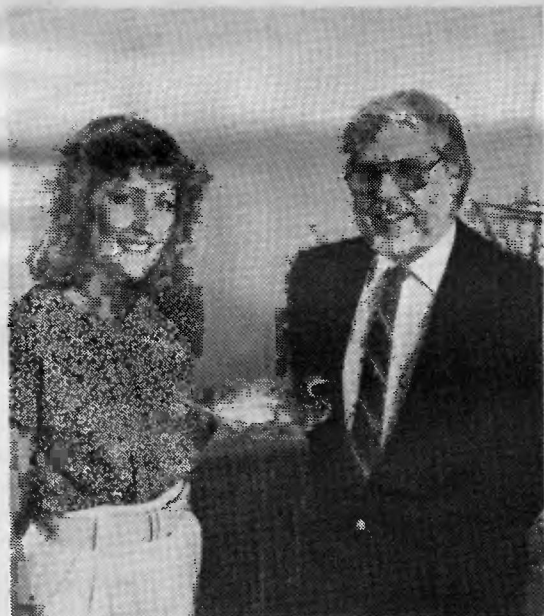
school section. Both have spent a busy two months getting acquainted with their new jobs and getting things ready for the new school year.

Dr. and Mrs. Rhoads came from Thunderbird Academy in Arizona where he was principal for two years. Mrs. Rhoads will be teaching in the junior-high section.

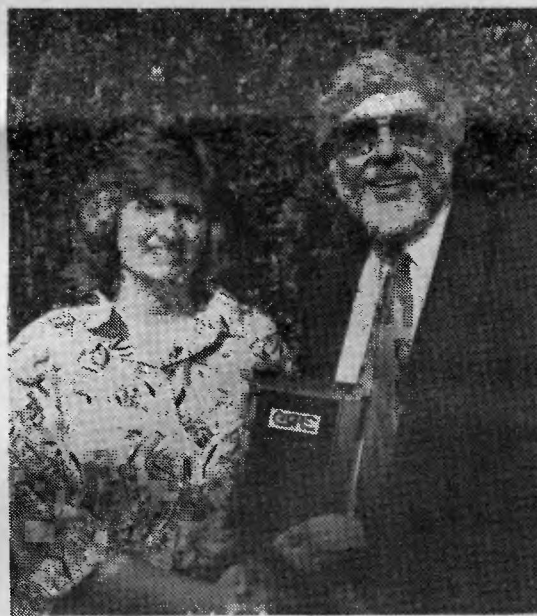
All three schools are experiencing a large increase in enrollment. The elementary school has 682 students enrolled in grades K through six. The junior high has 240 students enrolled in grades seven and eight, and the high school has 484 students who have applied.

The grand total, 1,406 students, is an all-time high in the 67-year school history.

In his opening remarks to the approximately 120 staff members of the school, Dr. Rhoads urged that all — teachers, administrators, office workers, and classified staff — be imitators of the Master Teacher, Jesus Christ, loving each other with Christian love and being willing to go a second mile to be of help to anyone, whether student, parent, or staff colleague.



Howard Sanders, chairman of the respiratory therapy department in the School of Allied Health Professions, admires the awards received by Cindy Cline, instructor, (left photo) and student Rogenia Dunn.



Respiratory therapy instructor and student honored at California convention on June 16

Respiratory therapy instructor Cindy Cline and respiratory therapy student Rogenia Dunn were honored on June 16 by the California State Society for Respiratory Care (CSRC) at its convention held in Anaheim.

Mrs. Cline received the president's award, which was given for her "outstanding service in respiratory care and her dedication to the profession of respiratory therapy." The award consists of a plaque and a Steuben glassware swan worth more than \$2,000.

Mrs. Cline has been active in

the local chapter of CSRC, serving as vice president and education secretary. One of her accomplishments was offering a record number of continuing education hours.

In 1982, she received her bachelor of science degree from Loma Linda University. She worked as a supervisor for the neonatal intensive care unit until five years ago, when she began her present job.

Last April, she accompanied the LLU heart team to China where she taught advanced cardiac life support and basic CPR

at the Fu-wai Cardiovascular Institute, the first time these complete methods were taught in China.

Ms. Dunn received a plaque and a scholarship worth \$300 based on her academic record and a recommendation from her department head. She will graduate in September with her associate of science degree in respiratory therapy. Ms. Dunn plans to continue at LLU to work on her bachelor of science degree. She says that eventually she would like to be an instructor in respiratory therapy.

Barstow Community Hospital begins monthly mall screenings

Barstow Community Hospital (BCH) has begun a monthly health-screening program at Barstow Mall for the public, reports Karen Heimlich, public relations director at BCH.

At the first program, on July 20, height, weight, and blood pressure checks were given from 9:30 a.m. to 7:30 p.m.

"We had people waiting for us when we arrived," says Mrs. Heimlich. "After the dust cleared, we had checked 150 individuals who had signed in, plus numerous children who just wanted to be weighed and measured and some adults who just wanted blood pressure and

didn't care to sign in."

The screening programs for height, weight, and blood pressure will be provided four times a year.

In cooperation with Aid Association for Lutherans, Barstow Community Hospital will present "Drug-free Kids" at the mall this month.

Plans have been made with the School of Public Health, through the doctor of health science program, to provide cholesterol screening in September, October, and November.

Barstow Community Hospital is being leased by Adventist Health System / Loma Linda.

LLU personnel instrumental in setting up AIDS workshop in Africa

AIDS has become a major problem in much of East and Central Africa, including Zambia, Tanzania, Rwanda, Zaire, Kenya, Uganda, Burundi, and Malawi. It is estimated that between 20 and 30 percent of the total population in some of these countries is now HIV positive.

"The whole 20-40 year age group is getting wiped out," laments Richard Hart, MD, chairman of preventive medicine, School of Medicine, Loma Linda University. "In Africa, we believe AIDS is primarily spread through heterosexual transmission. But some is also spread

through reusing needles and other procedures done by health care workers, such as using the same needle to immunize 20 or more children for DPT or measles."

The desperate need to address the AIDS issue led the General Conference of Seventh-day Adventists to establish an AIDS task force about one year ago. The task force, comprised of individuals from the GC, Loma Linda University, and other church leaders, met three times.

Out of those planning sessions came a decision to conduct an AIDS workshop in Africa. Dr. Hart explains, "The current plan

is to have that conference in Lilongwe, Malawi. It is scheduled for November 4-9, 1988, Friday through Wednesday. Friday through Sunday will be a spiritual emphasis weekend on the theme 'The Christian Imperative in Health and Development.' We are planning for at least two representatives from each SDA hospital to attend."

Missionaries from other churches will be invited to both the Christian Imperative Conference and the AIDS workshop. "I think it is time for the Adventist church to reach out and start taking a leadership role in help-

ing others rather than being so protective and exclusive in what we do," Dr. Hart says.

Financing these conferences is an important consideration. The expenses incurred will be primarily travel-related, particularly for the many African participants. "The GC has committed \$20,000, and we are in the process of raising another \$30,000 from selected donors and alumni. We've also submitted two grant proposals which we're hoping will bring in additional support," Dr. Hart says.

"We're going to have a workshop format so we can have a lot

of small group discussions. Our purpose is not to give out information about AIDS, as most of the participants are already informed. The question is, 'How do you do something with the very limited resources that you have?'" Dr. Hart comments.

The Minister of Health for Malawi, the Honorable H. Bwanali, will open the AIDS conference. Key participants in the conferences include Professor Keith McAdam, MB, BS, from the London Institute of Tropical Medicine; Grace Emori, RN, hospital epidemiologist from the Centers for Disease Control in Atlanta; Harvey Elder, MD, chief of infectious disease, Loma Linda University School of Medicine; Lester Wright, MD, MPH, and Delores Wright, RN, MPH, who used to work in Africa — he is now the state health officer for Oregon and she is on the faculty of the Walla Walla College School of Nursing; Wayne Greaves, MD, chief of infectious disease at Howard University, who is also an Adventist; Gilbert Burnham, MD, PhD, medical director of Malamulo Hospital, Malawi; Donald Ashley, MD, neonatal specialist at Mwami Hospital, Zambia; Jack Provonsa, MD, PhD, chairman of the board, LLU Center for Christian Bioethics; and Dr. Hart.

It is hoped that three objectives may be reached as a result of the conference:

Prevention of HIV transmission in the health care setting is the first priority. How can health care workers make sure they aren't transmitting the virus to others?

Caring for HIV positive patients is a major concern. Some SDA hospitals are running as high as 50 percent AIDS patients. These [AIDS] patients use up scarce hospital resources, jeopardizing care for other patients. Alternative care systems must be developed so families can take care of AIDS patients at home, out in the villages, without requiring hospital stays.

The third objective is primary prevention and community education. Teachers and village leaders must be educated, and they, in turn, must educate others on how to avoid dangerous practices which contribute to the spread of AIDS.

"Elvin Adams, associate director of the General Conference health department and chairman of the AIDS task force, along with his colleagues in the department, are supportive of this concept," Dr. Hart notes. "Our department of preventive medicine, along with the GC health department and Malamulo Hospital are primarily responsible for organizing the conferences."

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IMPROVED PLANS

ALF raid on animal-care facility...

Continued from page 1

tween \$6,000 and \$10,000.

In a statement released to the media by ALF, the group accused Leonard L. Bailey, MD, head of the division of cardiothoracic surgery at Loma Linda, of premeditated murder, among other things.

Because of intense media interest and erroneous charges made against Dr. Bailey by ALF (which frequently is referred to by the media as a "militant" group), LLUMC held a press conference on Tuesday, August 16, at 4 p.m. Present to answer questions from the media were David B. Hinshaw, Sr., MD, president of LLUMC; Dr. Bailey; and Charles Kean, DVM, director of the animal-care facility at Loma Linda.

More than a dozen parents and other relatives of heart-transplant babies and children showed up at the press conference — most of them with their children — to support Dr. Bailey.

In an initial statement to the reporters, Dr. Hinshaw said, "We feel very distressed that this group [ALF] has chosen to illegally enter some of our premises and destroy property and records. We believe this is an outrage, and it is certainly an illegal act."

He said that on behalf of the Medical Center and the School of Medicine, he wanted to state that "we all have complete confidence in Dr. Bailey. The accusations that have been brought against him... by this group, we feel, are totally unfounded and are malicious and [the members of the group] deserve prosecution."

"We feel very distressed that this group has chosen to illegally enter some of our premises and destroy property... this is an outrage."

Later in the conference, Dr. Hinshaw said that "the institution takes this invasion of its properties very seriously, and we're going to press the issue as far as is reasonable under the law."

In response to questions, Dr. Bailey said that a breeding goat herd is kept at the University's farm, and that the baby goats are used for heart research. Researchers also test rejection drugs on the animals and, he said, "we try to analyze their immune response to different kinds of organs," and also "test different varieties of immune-modulating drugs... That's how we've been able to be... as successful... as we've been... Ninety percent of

what we're doing clinically is a derivative of our laboratory work.

"I'd like to remind you," he said, "that so far, at least, we've not had a late death in babies transplanted. We've transplanted 19 of them [under six months of age], and 15 have survived, so far... I think a lot of that can be attributed to our vast experience in doing newborn heart transplants in the laboratory."

Although he wasn't sure of the exact number, Dr. Bailey said that he would guess he has done between 300 and 500 heart transplants on animals, using goats, sheep, and pigs. In the past three years, he stated, he has also included some primates in his research.

"Our objectives for the future," he explained, "are to concentrate on the primate research. That has far more direct application to what we're doing clinically."

When asked about an allegation by ALF that he knew before doing it that the transplantation in October, 1984, of a baboon heart into a 12-day-old girl (who came to be known to the world as Baby Fae) would be unsuccessful, Dr. Bailey replied that that idea was "ludicrous. It's manufactured," he said, "because they [ALF] don't know how to interpret much of the data they got."

The data referred to came from an article by Dr. Bailey and others that was published in the *Journal of the American Medical Association*, dated December 20, 1985. The article reported on Baby Fae's transplant. The infant lived for 20 days after the transplant.

Dr. Bailey stated that "we're going to press ahead in cross-species transplants. We've never had any other notion but that."

Asked when another such transplant might take place, he responded, "That's always the question, and I don't have an answer for that. We're intensifying our research in that area. We're continuing to be very interested in it — and not just us, pleasantly, but there are a whole lot of other people taking a real second look at that area now."

When a reporter asked whether ALF's actions would alter the way animals are treated at Loma Linda, Dr. Bailey responded, emphatically, "Not at all. Categorically, I could say not one little bit, even. I think what has happened is we've had to spend quite a few thousand dollars extra in security measures for the laboratory, but it hasn't changed one iota how we manage the animals. We're already approved by several governing bodies as to how we do the animal work, and it's fairly intense. And we have to keep the rules, or... we lose our approval. Then we're no longer an approved laboratory.

You can't function in a medical school that way."

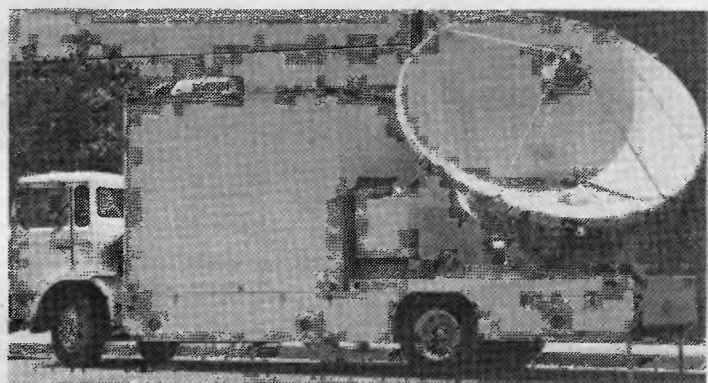
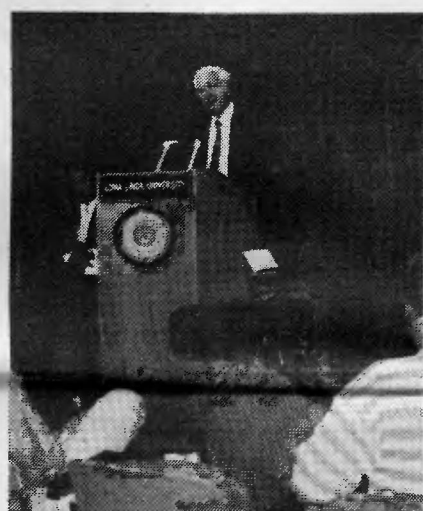
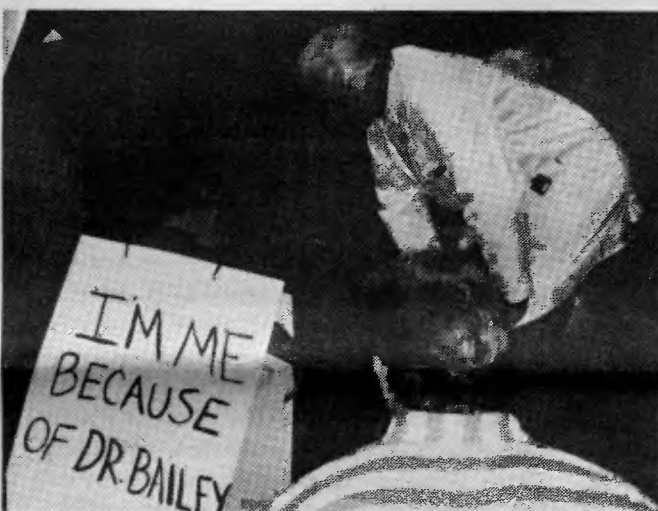
Dr. Bailey stated, "We're in the business of saving babies, and we're doing what we can in the laboratory to ensure that happens."

Dr. Charles Kean, when ask-

ed by a reporter if security measures were being increased at the animal-care facility, responded that he wasn't sure just what was going to be done, but then added, "I certainly hope we will activate additional measures to prevent an outrage

like this again."

He stated that it was his understanding that the alarm on the facility was too sensitive and had set off a number of false alarms; therefore, it had been turned off and was not on at the time of the raid.



Clockwise from top: More than a dozen parents and other relatives of heart-transplant babies and children (center, rear) join media representatives at the press conference; Dr. Hinshaw decries the raid as an "outrage"; The ABC network stations its high-tech equipment for direct satellite-relay of conference proceedings; A Channel 9 reporter interviews Mrs. Yvonne Salazar, mother of transplant patient, Fernie; Dr. Charles Kean, LLUMC veterinarian, answers questions about security at the animal-care facility; Transplant patient Fernie Salazar displays support of Dr. Leonard Bailey's work.

Faculty notes . . .

Continued from page 28

- **Edwin T. Wright, MD**, chief of the section of dermatology in the School of Medicine, now maintains an office with the rest of the dermatology staff at the Faculty Medical Office in suite 2600. He has been chief of the dermatology section, but has had his offices located at the Jerry L. Pettis Memorial Veterans Administration Hospital where he served as chief of staff.
- **Randy Jacobs, MD**, has joined the section of dermatology in the department of internal medicine, School of Medicine, as a clinical / research fellow.
- **Rennie Schoephlin**, assistant professor of history, College of Arts and Sciences, presented "Christian Science, Seventh-day Adventism, and Religious Healing in American Culture" at the First International Conference on Religion and Healing, held in Japan, July 29 to August 2. Sponsored by Yoko Civilization Research Institute, the Society for Buddhist-Christian Studies, and the Eastern / Western Religions Project in the department of religion at the University of Hawaii, the conference had attendees in about equal numbers from the West and from Japan, representing Christianity and several Eastern religions. The purpose of the meetings was to begin dialogue on seeking to take the best of healing methods from the East and West to provide a philosophy which would meet the needs of the whole person.
- **Charles W. Teel, Jr., PhD**, professor of religion and chairman of Christian ethics, School of Religion, led an Honor's Program tour to Kenya and Zimbabwe, from June 19 to July 5. Thirty people participated in the tour.
- **Ian Chand, PhD**, professor of sociology and family studies in the College of Arts and Sciences and chairman of family life education in the Graduate School, recently presented workshops on AIDS and self-concept at Andrews University, Berrien Springs, Michigan.
- **C. Diane Macaulay, PhD**, is leaving her position as assistant professor of anthropology and sociology, department of social relations in the College of Arts and Sciences, to join the School of Business and Management as associate professor of economics.
- **Barry L. Taylor, PhD**, professor of biochemistry, School of Medicine, has been awarded \$113,484 from the National Institute of General Medical Sciences for a project entitled "Sensory Transduction in Bacteria." This is continuation of a project which began in 1981.
- **Raymond D. Gilbert, PhD**, associate professor of physiology, School of Medicine, has been awarded \$107,025 from the National Institute of Child Health and Human Development for a project entitled "Fetal Responses to Long-term Hypoxemia." This is continuation of a project which began in 1986.
- **Lee S. Berk, DHSc**, associate professor, School of Allied Health Professions, has been awarded \$15,000 from the Kettering Foundation for a project entitled "Effects of Positive Emotions on Neuroendocrine and Immunologic Components."
- **Philip J. Boyne, DMD**, professor of oral surgery, School of Dentistry, has been awarded \$6,500 from the U.S. Surgical Corporation for a project entitled "Study of Hydroxylapatite Implants with Skeletal Growth Factor in Orthotopic Sites."
- **David J. Baylink, MD**, professor of medicine and biochemistry, School of Medicine, and chief, Mineral Metabolism Laboratory, Jerry L. Pettis Memorial Veterans Administration Hospital, has been awarded \$10,000 from Ortho Pharmaceutical for a project entitled "Effects of Steroid Hormones on Bone Formation in Mice."
- **W. Ross Adey, MD**, professor of physiology and neurology, School of Medicine, and associate chief of staff for research at the Jerry L. Pettis Memorial Veterans Administration Hospital, has been awarded \$77,000 from Southern California Edison Company for a project entitled "Assay for Tumor Promotion by Sinusoidal 60 Hz Electromagnetic Fields as Correlated with Ornithinedecarboxylase Activity."
- **Steen E. Mortensen, MD**, assistant professor of medicine, School of Medicine, has been awarded \$17,000 from the Arthritis Foundation, Southern California Chapter, for a project entitled "Maintenance of Rheumatology."
- **Brian S. Bull, MD**, professor of pathology, School of Medicine, has been awarded \$11,000 from Mallinckodt, Inc., for a project entitled "Radiographic Contrast Clotting Agents."
- The University Research Committee announced awards of LLU seed money to the following investigators, based on 29 competitive proposals received in response to the committee's May 1, 1988, request for proposals:
 - David J. Baylink, MD**, professor of medicine and biochemistry, School of Medicine, and chief, Mineral Metabolism Laboratory, Jerry L. Pettis Memorial Veterans Administration Hospital: "Calcium Therapy in the Prevention of Osteoporosis: Assessment of the Effect on Bone Resorption."
 - David L. Cowles, PhD**, assistant professor of biology, College of Arts and Sciences: "Swimming Energetics in the Bathypelagic Mysid *Gnathophausia ingens*."

Please turn to page 23

LLU faculty make first public presentations on health study

LLU faculty members presented four papers at the annual meeting of the Society for Epidemiologic Research in Vancouver, June 14-17. These were the first public presentations of Adventist Health Study (AHS) results after six years of prospective follow-up of some 34,000 California Seventh-day Adventists. The papers covered dietary and other links to colon cancer, breast cancer, and myocardial infarction, plus comparison of alternate means of estimating food intake.

New cases of colon cancer were diagnosed in 141 AHS participants. The incidence was significantly higher for Seventh-day Adventists who ate high levels of animal fat or meat; significantly lower for those who ate high levels of beans or lentils. A protective association with crude fiber was suggested but not confirmed statistically. No significant associations were seen between colon cancer incidence and use of coffee, fruits, nuts, green salad, raisins, or tomatoes. Also, no connection was apparent with body mass index, exercise, reproductive factors, or education.

During the same period, 212 women, mostly postmenopausal, were confirmed as having contracted breast cancer. Results corroborated known risk factors such as age at first birth and familial history of the disease. No associa-

tion was seen with such dietary factors as childhood eating habits or use of high-fat animal products.

During the study period there were 200 confirmed myocardial infarctions among the 28,000 AHS participants who reported no prior history of diabetes or myocardial infarction. Increased risk was statistically linked to consumption of cheese, poultry, fish, beef, pork, coffee, and to hypertension, cigarette smoking, and obesity. Moderately protective relationships were seen for green salads and dried fruits; strongly protective effects for whole grain breads and nuts.

A nutritional substudy looked at the validity of three different methods for computing macronutrient indices from food frequency questionnaires. Two methods used multiple regression; one was a cumulated sum of nutrient contents. Both were compared to five 24-hour food intake recalls. Two methods proved closely comparable, their validity correlations averaging 0.40. One of the regression methods seemed less valid than the other.

Loma Linda University attendees included Gary E. Fraser, MD, associate professor of epidemiology; John W. Morgan, DrPH, assistant professor of epidemiology; Paul K. Mills, PhD, assistant professor of preventive medicine; and Martin Strahan, MD, research fellow.



Ben and Margie White

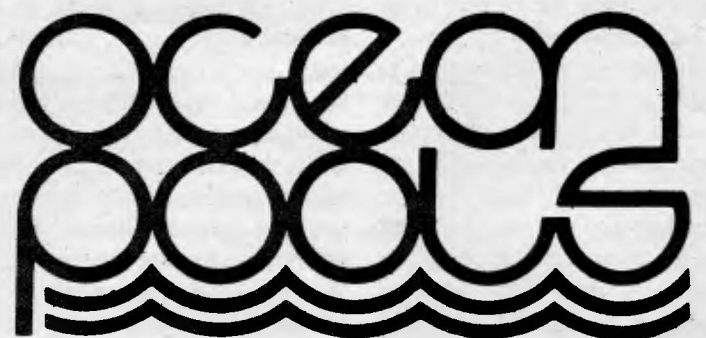
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Respiratory therapist moderates nationally broadcast teleconference on April 21

Charles "Bud" Spearman, RCP, RRT, assistant professor of respiratory therapy in the School of Allied Health Professions, moderated a nationally broadcast teleconference on April 21 at the Annenberg Center for Health Sciences at Eisenhower Medical Center in Rancho Mirage.

The hour-long teleconference, which featured leading physicians in respiratory care, was broadcast live during the Seventh Annual Bright Horizons in Respiratory Care Conference held April 20-22. The conference was co-sponsored by local chapters of the California Society for Respiratory Care.

Over 200 sites around the country requested to receive the program. "We had just about all 50 states," said teleconference coordinator Philip Pooley, RCP, RRT, educational coordinator for pulmonary services at Eisenhower and a clinical faculty member at Loma Linda University. There was even a request from Columbia for a videotape of the program because it wasn't possible for them to receive it live there, he

says.

Fifty locations, representing 2,000 to 3,000 people, afterward applied for the hour of continuing education credit offered for the program. "This was a bigger response than expected," says Mr. Spearman.

During the program, Mr. Spearman introduced and interviewed a panel consisting of Forrest Bird, MD, PhD, ScD, president of Bird Space Technology; Henry J. Heimlich, MD, president of the Heimlich Institute Foundation; Theodore Kolobow, MD, from the National Institute of Health; John W. Severinghaus, MD, from the University of California at San Francisco; and M. Christine Stock, MD, from Emory University Medical School, Atlanta, Georgia.

Presentations were made by Dr. Bird on volumetric diffusive respiration, and by Dr. Stock on airway pressure release ventilation. Mr. Spearman led the panel discussion which followed and then presented questions which were telephoned in from various hospital groups watching the

program.

Howard Sanders, MA, RCP, RRT, chairman of the LLU respiratory therapy department, hopes that the University will utilize the Annenberg Center in the future. "The Annenberg Center is a way to make LLU more visible," says Mr. Sanders.

The center, dedicated in 1981 as part of the Eisenhower Medical Center, possesses a mobile satellite, one of only 29 in the area, and it is able to broadcast programs much more inexpensively than other satellite services, according to Mr. Pooley.

Four more respiratory therapy programs at the Annenberg Center are already on Mr. Pooley's agenda. His goal is to consistently feature experts in respiratory care, presenting subjects that are directly applicable for the practitioner out in the field.

Faculty notes . . .

Continued from page 22

William Fletcher, PhD, professor of anatomy, School of Medicine: "Cell Communication, Oncogene Expression and the Actions of Immune Cytotoxins."

Daila S. Gridley, PhD, assistant professor of microbiology, School of Medicine: "Analysis of Blood Leukocytes from Cancer Patients Given Intrastitally-administered Radiolabelled Monoclonal Antibodies."

Sandra L. Nehlsen-Cannarella, PhD, professor of surgery / microbiology and immunology, research professor, pathology, School of Medicine: "Induction of Transplantation Tolerance in Primates with CBL1."

Jerald C. Nelson, MD, professor of medicine, School of Medicine: "The Association Between Neurotransmitters and Hypothalamic-Pituitary-Thyroid Axis Hormones."

David C. Nieman, DHS, MPH, associate professor of health science, School of Public Health: "The Longitudinal Effects of Endurance Exercise Training on Immunosurveillance."

Charles W. Teel, Jr., PhD, professor of religion and sociology, School of Religion: "Adventist Mission and Social Change: A Social History of Adventism in Peru's Altiplano: 1900-1925."

Jean-Marc Tieche, PhD, assistant research professor of physiology, School of Medicine: "Parotid Hormone: Purification and Amino Acid Sequence Determination."

Leisure Yu, PhD, MD, assistant professor of orthopaedics, School of Medicine: "The Study of Meniscus Repair After Injury."



Baby James sits on an examining table at Loma Linda University Medical Center on Tuesday, August 26, 1986, when he was in for his weekly examination.

Baby James is in local bookstores

The first book about a child who has undergone heart surgery at Loma Linda University Medical Center has been published by Harper and Row Publishers, Inc., and is available in bookstores in the area, including the Campus Store in Loma Linda.

The book, *Baby James*, was written by Thomas and Jayne Miller, the parents of a toddler named Nicholas who, for reasons of privacy at the time, was known as Baby James.

The little boy underwent a heart transplant on April 26, 1986, at 15 months of age. He had had virus-induced myocarditis during his first months of life, followed by cardiomyopathy,

a general deterioration of the heart muscle. For several months just prior to his transplant, he had suffered from pneumonia and congestive heart failure.

Eighteen days after his surgery, Baby James was discharged from the hospital. Unfortunately, he had an acute rejection episode late in August that could not be controlled or reversed, despite vigorous attempts by the transplant team. He died on August 31, 1986.

In the book, his parents relate their experiences and emotions as they lived through a series of medical problems their son endured practically from birth, and reflect on the joy he brought to them during his all-too-brief life.

Conference on Sudden Infant Death set for October 13 - 14

The Eighth Annual California Conference on Sudden Infant Death Syndrome (SIDS) will be held at the Randall Visitors Center on the Loma Linda campus, October 13 and 14. This two-day conference is being sponsored by the California SIDS Program, the San Bernardino County Health Department, and the LLU Schools of Medicine and Nursing.

The conference provides a current update of SIDS information and grief intervention techniques to increase awareness and understanding surrounding a

SIDS event. Bruce Beckwith, MD, a noted expert in the area of SIDS, will be the keynote speaker, appearing along with other medical, counseling, and law enforcement professionals.

The registration fee is \$60 for both days. Ten CME Category 1 credits and CEU contact hours are offered for physicians and nurses. Brochures are available upon request. For further information, contact Linda Levisen, SIDS Program Manager, at (714) 387-4882, or Penny Miller, associate professor of nursing, (714) 824-4360.

Barstow physician receives the Loving Care Award from VNA

A Barstow Community Hospital (BCH) physician, Larry Sutterby, MD, was one of 10 persons in San Bernardino and Riverside counties to receive a Loving Care Award this past spring from the Visiting Nurse Association of the Inland Counties (VNA) at a special ceremony during the association's annual meeting.

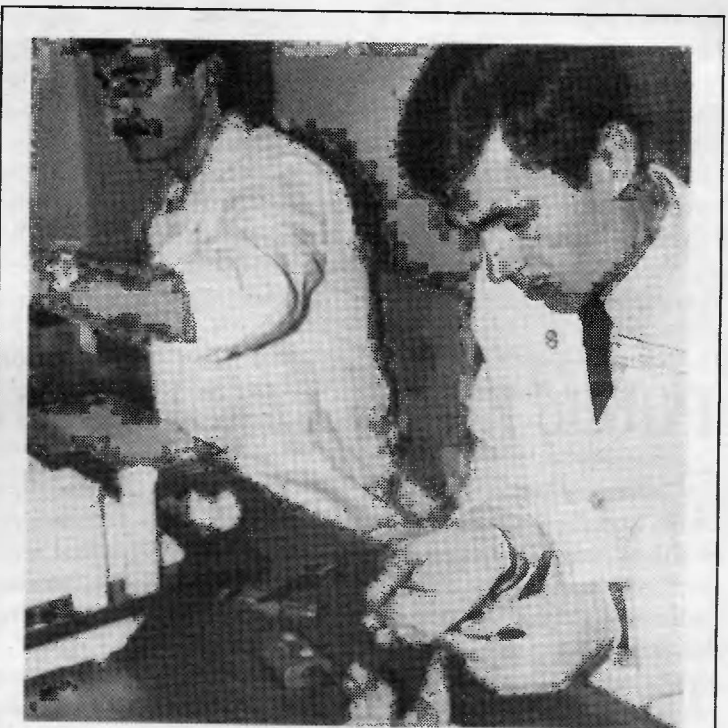
These awards are presented each year to persons identified by VNA branch offices as giving extraordinary care to patients who are chronically ill, disabled, or dying, and by such care enabling these patients to remain in their

own homes rather than having to move to a nursing home or hospital. Persons receiving awards this year included spouses, mothers, volunteers, attendants, and physicians.

Chuck Palmer, freelance journalist and cohost / coproducer of the Channel 24 program "Dialogue," presented the Loving Care awards for VNA this year.

Dr. Sutterby, whose practice is in internal medicine, has been at BCH for the past eight years.

Barstow Community Hospital has been leased by Adventist Health System / Loma Linda since January 1.



Kosta Arabatzis (left), research assistant, and Robert Lee (right), director of the doctor of health science cholesterol screening program, tested more than 170 people at the School of Public Health's August 18 testing. The screening offers measurements of total cholesterol and blood pressure with nutritional counseling. Test results are available within three minutes. Fasting is not necessary. No appointment is needed. The next screening will be Thursday, September 15, 11:00 a.m. to 5:00 p.m. in Nichol Hall, room 1301. The cost is \$5.

LLU Elderhostellers enthusiastic about program

The enthusiasm and appreciation expressed by this year's Elderhostel participants surpassed even the high expectations of coordinators on Loma Linda University's La Sierra campus. An international program designed to provide courses for people who are 65 and older, Elderhostel welcomed over 115 seniors to LLU this summer.

"They were enthusiastic about the classes offered, the accommodations, the food service, and the extra activities planned for them," reports Donna Ryan, administrative assistant to the vice president / provost for the La Sierra campus. "They loved our campus, our students, and our personnel!"

Coordinated jointly through the Center for Lifelong Learning and the office of student affairs, the three sessions offered class choices of "Vegetarian Gourmet Cooking," "Health Frauds," "Human Sexuality," "Exploring the Land of Crocodile Dundee," "The Christian Centuries," and "Discovering Ourselves Through the Arts."

"The biggest 'hit,'" says Paul Landa, PhD, director of the Center for Lifelong Learning, "was the class on sexuality by Alberta Mazat, professor of marriage and family therapy in the College of Arts and Sciences. They were amazed at how much information she was able to give them, and at how sensitive she was in her handling of a delicate topic. They gave her a standing ovation!"

Other especially appreciated classes were the vegetarian cooking class with its demonstrations and food-sampling times, and the class

on health frauds. With over \$20 billion a year lost to frauds — particularly by the elderly — the seniors were eager to receive expert insights from University instructors.

Another favorite was the art display, "Homage to Picasso," in Brandstater Gallery. Roger Churches, professor of art, held the display open an extra week for the Elderhostel group, and gave them a presentation on imaging and the artist.

Some of the special activities offered the groups included trips to Newport Harbor; tours of Loma Linda University Medical Center and the Loma Linda campus; and films, lectures, and sing-a-longs held in the Brandstater Art Gallery and Cossentine Hall. They also enjoyed demonstrations of the pipe organ in the La Sierra Collegiate Church, and attended the special national sports acrobatics competition held this year at Loma Linda University.

LLU joined the Elderhostel program at its inception about 10 years ago, says Dr. Landa. Thousands of classes are offered on all topics at universities across the nation and abroad. Though Elderhostellers do not work towards a degree, and receive no academic credit, they are still offered a diverse variety of classes: everything from the complex treatment of international economics, to computers, literature, drama, and humor.

"Elderhostellers take these classes for the sheer enjoyment of intellectual stimulation and for social interaction," points out Dr. Landa, continuing, "I think this is one of the most positive public relations efforts we can have. One man — a non-Seventh-day Adventist — said he would recommend Loma Linda University to his grandson as a friendly, Christian campus with high standards."

"One of the attendants enjoyed her stay so much that she wrote an ode to LLU, which we feel is a real tribute," adds Nelson Thomas, PhD, assistant to the vice president for student affairs, and co-director of Elderhostel.

"My personal dream," says Dr. Landa, "is to see us begin a year-round Elderhostel program which would bring retirees to our campus during the winter months, when Southern California is especially attractive to people from the east coast and the midwest."

Dr. Thomas feels confident that "this dream may become a reality within the year."

Ode to Loma Linda Elderhostel

by Minna Liebman

On a knoll above the sweltering city,
I was inspired to write this ditty,
Loma Linda is high on the list,
Of Elderhostels not to be missed.
The towering trees, and masses of flowers,
The verdant fields and the hidden bowers,
Put us in a receptive mood
To enjoy our classes and delicious food.
McCalla, Mead, Reinholtz and Crabtree,
Are teachers of no mediocrity.
They use all their creativity,
To arouse our sensitivity.

So we can learn to live a good life,
With knowledge, health, and no strife,
Our administrators catered to all our whims,
With Newport Harbor excursion and many films.

Our fellow students are nice to know,
They help class sessions ebb and flow.
Since Elderhosteling is my game,
I hope my next will be much the same,
So, I wish to thank all of the above,
Who's made Loma Linda a place to love.

New mentor program at LLU to promote black achievement

The success of the Hispanic Mentor Program at Loma Linda University has encouraged the introduction of a new program, the Black Student Mentor Program. "A friend who's interested — someone who will give his or her time," is only one of the many benefits students in the new program are sure to gain from, says Pastor David Osborne, vice presi-

dent for student affairs at LLU.

The Black Student Mentor Program has five initial purposes: 1) to assure that new students get off to the best possible start; 2) to support the black student in his or her coursework; 3) to create a sense of community and belonging on campus; 4) to monitor the progress of freshmen throughout the year; and 5) to ex-

pose black students to black professionals in the community.

According to Pastor Osborne, around 12 faculty and staff have already been identified on the La Sierra campus to serve as mentors to incoming freshmen. Each mentor will be assigned six or seven students with whom they will communicate regularly, assisting the mentees in problems

with grades, adjustment to college life, and utilization of campus resources.

Prospective mentors will participate in an orientation session this summer with David Dudley, PhD, director of the Counseling Center, and coordinator of the new program. Says Dr. Dudley, "I'm very optimistic about the program because I feel that it speaks, not only to the academic needs of students, but also to the career and professional goals of students. And, we will be able to address those needs within a caring and sensitive community."

It is expected that the Black

Student Mentor Program will see results similar to those of the Hispanic Mentor Program. Before the first program started, the average rate of loss for Hispanics after their freshman year was 38 percent. The mentor program drastically reduced that rate to 9 percent — less, even, than the overall student loss rate!

"My hope is that through warm, caring interactions with sensitive individuals, students can come to view Loma Linda University as an academic environment in which they can achieve their goals," Dr. Dudley concludes.

Public health graduate praises program

"Getting my master's in public health from Loma Linda was the best thing that ever happened to me," writes Clyde L. Leeds, pastor of the First Seventh-day Adventist Church in Covington, Kentucky. "I still consider it the wisest investment of my money ever made.

"It enriched my ministry greatly. It aided me tremendously in counseling with my members; enhancing my proficiency, saving me time spent in counseling sessions, and enabling me to know my limitations and how to refer my members to reliable resources when needed.

"One of the biggest assets was learning how to better care for my own health and deal with stressors effectively, like learning how to say 'No' without feeling guilty.

"I talk with so many of my fellow ministers who know and want to keep physically fit but allow other things to crowd out their need for physical exercise. I have been faithful in keeping up a regular program of exercise and feel great, largely due to the education received from the School of Health.

"I highly recommend the master's in public health degree

to every minister. I felt comfortable knowing I was receiving a Christ-centered education in harmony with Biblical principles. It has enhanced my ability to understand and converse with those in the medical profession."

The master's of public health degree is offered on-campus in Loma Linda and off-campus in more than ten locations around the United States and Canada. For more information call (714) 824-4595, or write to the Office of Extended Programs, School of Public Health, Loma Linda University, Loma Linda, CA 92350.

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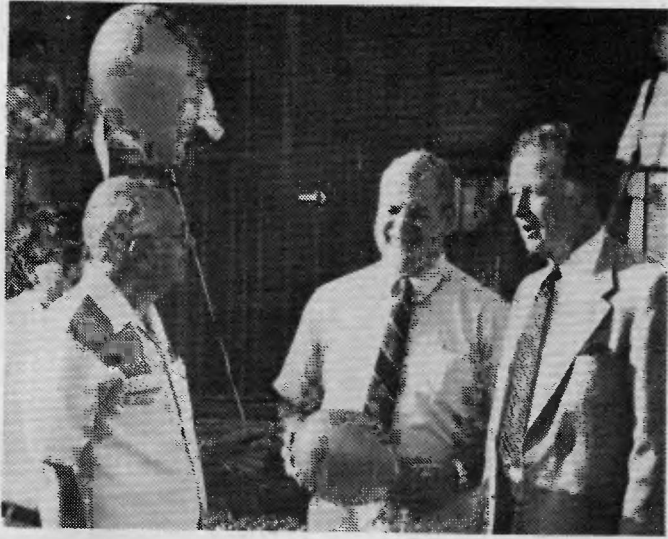
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The new \$5.2 million Loma Linda Elementary School opened for the fall term on Tuesday, August 30. Photos: top row, left to right: Loma Linda Mayor Elmer J. Digneo visits with LLUMC chaplain Jerry Davis and LLUMC senior vice president Thomas Zirkle, MD. Students release balloons in celebration of the open-

ing of their new school. Bottom row: Principal John Thorn directs a young student to his new classroom. Third- (second and third photos) and fifth-grade students prepare to release their balloons. Parents, teachers, and community residents watch the balloons float skyward.

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Linda and Roy Luoma

While Linda Lewis was a student at LLU School of Public Health four years ago, she met a young man named Roy Luoma (pronounced Loma), whom she later married—thus becoming “Linda Loma” from Loma Linda. The Luomas now reside in Fallbrook, California.

Public health team attends vegetarian meetings in Brazil

Five individuals from the School of Public Health traveled to Sao Paulo, Brazil, in July to attend the First Brazilian Congress on Vegetarian Nutrition and Disease Prevention.

Nearly 1,000 health professionals and students attended the congress which was geared to a scientific audience. Albert Sanchez, DrPH, professor of nutrition, presented papers on protein complementation and the relationship of amino acids to cardiovascular disease.

Attending the meetings from Loma Linda University were Mervyn G. Harding, MD, PhD, dean emeritus of the School of Public Health; Pat Johnston, DrPH, assistant professor of nutrition; John Scharffenberg, MD, adjunct professor of nutrition, Joilo Barbosa, MD, a public health student; and Dr. Sanchez.

Following the scientific session, the LLU representatives attended the South American Division's Nutrition and Health Conference.

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School of Nursing associate dean participates on critical thinking panel

Patricia Foster, PhD, associate dean for academic affairs in the School of Nursing, was a panelist recently at the Sixth International Conference on Critical Thinking and Educational Reform. The meeting, held at Sonoma State University, was a forum for educators from around the world to discuss various topics related to critical thinking.

Dr. Foster's panel topic was “Critical Thinking across the College / University Curriculum.” Discussion centered around interdisciplinary critical thinking projects in colleges and universities in the United States. Other panelists were well-recognized experts on critical thinking. “There was a lot of emphasis in this conference on interdisciplinary sharing and working together on critical thinking projects,” commented Dr. Foster. “The conference recognized the need to emphasize principles of teaching that transcend disciplinary areas.”

Dr. Foster was asked to describe LLU's University-wide Critical Thinking Project, including how it was formed and how it functioned on a practical level. She described the teaching activities of Bonnie Meyer, assistant professor of nursing, who built on insights gained at last fall's workshop on teaching students to think critically.

Ms. Meyer began using the new critical thinking teaching strategies in a student culture that is used to a lecture format with considerable presentation of content. First, she insisted that students read the assigned material before class time, and formulate questions about the reading. The questions the students brought to class served as the basis for the discussion during the class period, so that the whole class period involved student participation. The students were initially uneasy about the absence of lectures and having taken so few notes in class.

Ms. Meyer introduced an orientation session at the beginning of the quarter, in which the importance of critical thinking was explained to the students. Another session went over course objectives. At the end of each class she provided a summary of the important points from that day's discussion as well as a detailed study guide for the next class assignment.

By the end of the year, most students were won over to this



Dr. Foster

new way of learning. “This teacher's main achievement was to teach students to accept responsibility for their own learning,” stated Dr. Foster.

Test scores on the final exam were better than they had been before the new teaching strategy was implemented, and the national test scores were much higher than they had been previously. This measurable improvement prompted considerable discussion among the conference attendants.

The LLU critical thinking committee is planning three campus-wide sessions, one per quarter, during the 1988-89

academic year. On October 10, Dr. Frank Stritter, director of the office of research and development for education in the health professions at the University of North Carolina in Chapel Hill, will present “Facilitating Critical Thinking in Large Group Sessions.” Faculty will receive further details and registration information in mid-September.

Members of the critical thinking committee, a sub-committee of the University's faculty affairs committee, include: Bonnie Meyer, assistant professor of nursing; David Larson, PhD, associate professor of religion and Christian ethics; Pat Johnston, DrPH, assistant professor of nutrition; Bert Connell, PhD, professor and department chairman, nutrition and dietetics; George Selivanoff, PhD, professor of economics and international business; Roger Tatum, PhD, professor of chemistry; Bruce Wilcox, PhD, professor of biochemistry; Leonard Werner, MD, assistant professor of medicine; and Robert Kiger, DDS, professor of periodontics.

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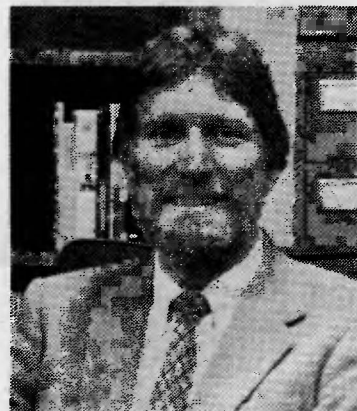
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Graduate dean named...

Continued from page 1

Dr. Rippon received his doctor of philosophy degree in theoretical biochemistry from the University of Newcastle in Australia in 1969. He received his undergraduate education from Avondale College and Sydney University.

Since 1979, Dr. Rippon has been coordinator of the summer research program for School of Medicine students at Loma Lin-



Dr. Rippon

da University. In 1987, he was named assistant dean for special education in the School of Medicine.

Dr. Rippon is a member of numerous scientific organizations and has authored or coauthored many scientific publications.

He is married to Patti Anne (Hemdon) Rippon, DDS, a 1971 graduate of the School of Dentistry.

Campus plan

In another action, the Board of Trustees voted to accept a proposal to develop a comprehensive campus plan which will be used to guide the projected relocation of the La Sierra campus to the Loma Linda campus.

The action named Dober and Associates, Inc., campus planning consultants, and Hastings and Chivetta, architects, to assist the University in the planning process. Both firms have had extensive experience in University planning and design.

The campus plan will be developed through a participatory planning process involving faculty, staff, administration, and students. This process is designed to provide a draft plan for trustee and University review in February with a final plan in June.

The consultants will be on campus during the week of September 19 to begin their field studies and site analysis. They will also attend faculty colloquia to answer questions about the planning process and to understand issues and concerns that should be factored into the process.

Meetings will be held the following week with academic deans and administration to begin the articulation of goals, objectives, visions, and values that will

structure the planning process and shape the eventual campus plan.

The campus plan will show the site organizational principles, and the size, purpose, location, and general configuration of all buildings, playing fields, outdoor recreation areas, parking, vehicular and pedestrian circulation systems, general landscape motifs, and campus design features.

Dober and Associates, Inc., is an internationally recognized firm that specializes in college and university planning. They have worked with over 350 institutions including Auburn University, Brown University, Cornell University, Claremont Colleges, Duke University, Emory University, Gettysburg College, Harvard University, Massachusetts Institute of Technology, Southern Methodist University, and the University of Miami.

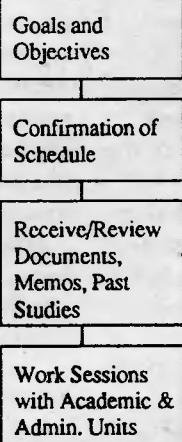
The accompanying diagram summarizes the sequence of tasks and activities starting with the articulation of goals and objectives, field studies, data collection, site analysis, building analysis, program analysis, statement of needs, alternative campus plans, criteria for choosing among the alternative campus plans, and culminating in the development of the draft and final plan.

Affirmative action

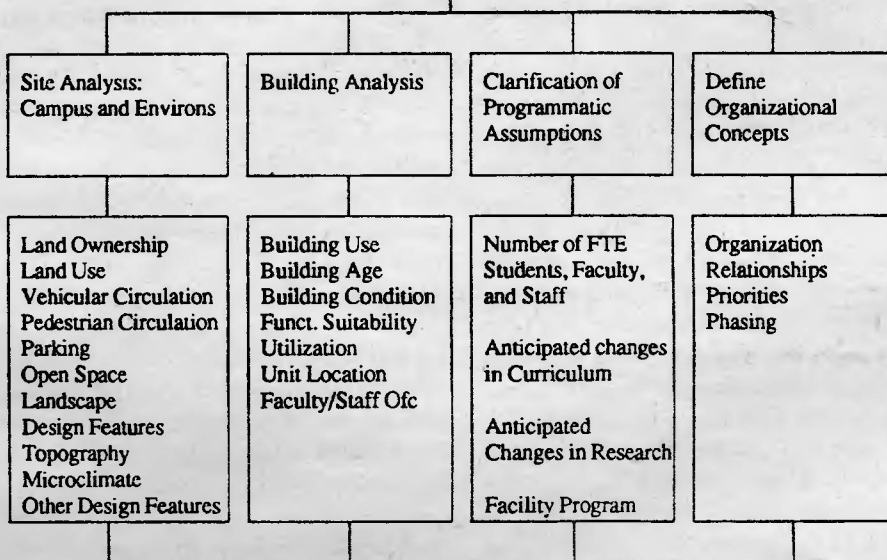
The Loma Linda University Board of Trustees also voted to approve a new affirmative action program that had been recommended by the University's affirmative action committee, the President's committee, and the University officers. Under the new policy the University will follow specific procedures to insure equal opportunity in the hiring and promotion of all University faculty and staff consistent with the goal of employing more women, minorities, and handicapped individuals. President Woods describes the policy as one of the most comprehensive and advanced programs covering affirmative action in place at any institution of higher education.

COMPREHENSIVE CAMPUS PLAN

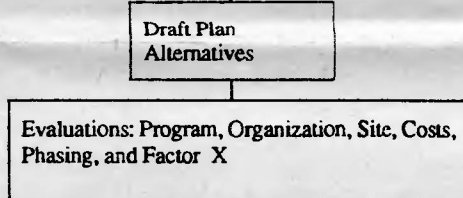
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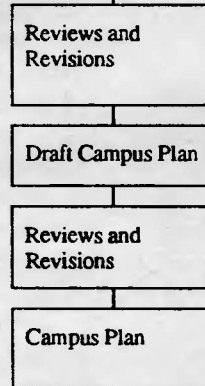
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ALTERNATIVES



COMPREHENSIVE CAMPUS PLAN



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Conferring of degrees ceremonies held

Summer conferring of degrees ceremonies were held on September 1, 1988, in the University Church of Seventh-day Adventists for students graduating from the Schools of Allied Health Professions, Nursing, Public Health, Business and Management, Education, Graduate School, and the College of Arts and Sciences.

Speaking at the conferring of

degrees ceremonies was Charles Sandefur, president of the Hawaii Conference of Seventh-day Adventists.

Pastor Sandefur is a 1968 graduate of the College of Arts and Sciences, and a 1971 graduate of Andrews University, Berrien Springs, Michigan.

He has served as a pastor for the Potomac Conference, and the Southeastern California Con-

ference of Seventh-day Adventists.

From 1985 to 1987 he was the nurture director and ministerial secretary for the Southeastern California Conference. He was named president of the Hawaii Conference in 1987.

Approximately 175 students received diplomas during the ceremonies — 39 from the School of Allied Health Profes-

sions; four, School of Nursing; 59, School of Public Health; 20, Graduate School; nine, School of Business and Management; 24, College of Arts and Sciences; and 17 from the School of Education.

In addition, approximately 60 students from the physical therapy program in the School of Allied Health Professions will receive diplomas during ceremonies slated for October.

FACULTY NOTES

• **Elmar P. Sakala, MD**, assistant professor of obstetrics and gynecology in the School of Medicine, presented a paper at the 16th Annual Meeting of the American Society for Psychosomatic Obstetrics and Gynecology held April 21, 1988, in St. Helena, California. Dr. Sakala's presentation was entitled, "Voluntarily Inflicted Penetrating Uterine Wounds in Pregnancy: A case report and review of the literature."

Dr. Sakala and Dan Kort (a LLU medical student at the time, but now a medical resident at the University of Nebraska) have had a review article published on "Management of Stab Wounds to the Pregnant Uterus" in *Obstetrical and Gynecologic Survey*, June, 1988.

• **Patricia Foster, PhD, RN**, associate dean for academic affairs in the School of Nursing, presented a poster at the recent Western Society of Research in Nursing session in Salt Lake City, Utah. **Grenith Zimmerman, PhD**, and **Vaneta Condon, RN**, were co-authors of the research project, "Assessing Student Outcomes in a Learning Assistance Program."

• **Anton N. Hasso, MD**, professor of radiation sciences and director of the neuroradiology section in the School of Medicine, has been elected second vice-president of the American Society of Neuroradiology at its 26th annual meeting held in Chicago, May 13 to 20. Dr. Hasso's term will run for one year.

Dr. Hasso is past-president of both the Western Neuroradiology Society and the Inland Radiological Society. In addition, he is a member, reviewer, or abstractor on editorial boards of three national radiology journals.

• Beginning August 1, 1988, **Mickey Ask, MD**, assumed duties as the attending physician for the Alcohol Treatment Unit at the Jerry L. Pettis Memorial Veterans Administration Hospital. He will continue his duties as medical director at the Clearview Alcohol and Drug Treatment Program.

• **C. Diane Macaulay, PhD**, associate professor of economics in the College of Arts and Sciences, took a combined study and vacation tour to the Soviet Union June 21 to July 8. She visited Moscow and Leningrad, Tbilisi, Yerevan, Tashkent, and Yalta. "Travel to the USSR is enlightening and exciting during *Perestroika* (or restructuring) and *Glasnost* (openness), but it is neither comfortable nor convenient," she says. "The *Perestroika* experiment is the ultimate laboratory experience for an observer of political economy."

• Faculty appointments voted by the Executive Committee of the Board of Trustees on June 30, 1988, include, in the College of Arts and Sciences: **Martie L. Erne, MA**, chairman, department of communications; **Monte R. Andress, MA**, assistant professor of social relations; **Barbara Kreaseck, MS**, assistant professor of mathematics and computing; **Helen D. Knittel, MAT**, assistant professor of office management and business education.

School of Dentistry: **Peter M. Cowley, DDS**, instructor in oral surgery; **Donald L. Cram, DDS**, assistant professor of oral surgery; **Regina G. Dimayuga, DMD**, assistant professor of periodontics; **Alfred L. Frank, DDS**, professor of endodontics.

School of Medicine: **David B. Hinshaw, Jr., MD**, associate chairman, department of radiation sciences; **Nancy A. Wilms, MD**, co-chief,

section of dermatology, department of medicine; **Patricia M. Applegate, MD**, assistant professor of medicine; **George W. Christison, MD**, assistant professor of psychiatry; **Terry L. Coates, MD**, instructor in radiation sciences; **Geir P. Frivold, MD**, instructor in medicine; **Kenneth W. Hart, MD**, assistant professor of preventive medicine; **Bradley W. Nelson, MD**, instructor in preventive medicine; **Floyd F. Petersen, MPH**, instructor in preventive medicine.

School of Public Health: **Walter C. Thurnhofer**, adjunct clinical instructor in nutrition.

School of Religion: **Ivan T. Blazen, PhD**, chairman, department of Biblical studies.

• **Philip J. Boyne, DMD**, professor of oral surgery in the School of Dentistry, delivered the scientific program for the annual meeting of the Mexican Society of Oral and Maxillofacial Surgeons in Uruapan, Mexico, on May 10. The next day, he presented a continuing education program for the U.S. Navy's annual course in oral and maxillofacial surgery in San Diego. Dr. Boyne also delivered a paper on "Comparison of Various Intraosseous Fixation Implants" at the Symposium on Osteointegration in Dallas on May 20.

• **Nikki Mead**, director of recruitment and retention in the School of Allied Health Professions, has been teaching a class on health fraud for 45 senior citizens enrolled in a national elderhostel program.

• **Mark G. Haviland, PhD**, assistant professor of psychiatry in the School of Medicine, has had a paper entitled "Characteristics of Senior Medical Students Planning to Subspecialize in Child Psychiatry," published as a special article in the July, 1988, issue of the *Journal of the American Academy of Child and Adolescent Psychiatry*. The paper's co-authors are Thomas H. Dial, PhD, assistant director for research studies, office of research, American Psychiatric Association (APA), Washington, D.C., and Harold Alan Pincus, MD, deputy medical director and director, office of research, APA.

• **Eugene Gascay, EdD**, professor of curriculum and instruction in the School of Education, is attending a seminar on thinking skills at Sonoma State University this month.

• **Ervin Bigham, EdD**, professor of curriculum and instruction in the School of Education, and his wife were honored at the annual School of Education picnic in July. The Bighams received a plaque and flowers for their work every year with the social committee.

• The President's Committee has announced four new chairmen in the College of Arts and Sciences: **Al Smith, PhD**, professor of physics, will chair the honors program; **Marte Erne** is the new chairman of the department of communication; **Susan Patt** now chairs the department of art; and new chairman for the department of music is **Jeffrey Kaatz**.

• **Tony Brandon, PhD**, chairman, marriage and family therapy, College of Arts and Sciences and Graduate School, has been asked to edit a book on AIDS to be published by the Review and Herald Publishing Association. The book will include the medical, psychological, economical, and ethical aspects of AIDS.

Please turn to page 22

Jean Fankhanel begins work as patient representative

The LLUMC patient representative department has a new administrative patient representative; Jean Fankhanel began work in the department in July.

Prior to coming to the Medical Center, Mrs. Fankhanel served as coordinator of community relations and patient relations at Castle Medical Center in Kailua, Hawaii.

Born in Minneapolis, Jean Rogers grew up in Minnesota, and then went to Lincoln, Nebraska, to attend Union College for three years. In 1958 she married Wayne Fankhanel. Mr. Fankhanel, a physical therapist, took his training at Loma Linda University, graduating in 1965. While he was attending school here, he and his wife owned Janet's Cleaners on University Avenue, located in the building that now houses the French restaurant La Petite Fontaine.

"It was a good place to get acquainted with a lot of people in the community," Mrs. Fankhanel states.

In 1970 the family — which by then included three daughters and a son — moved to Hawaii, where Mrs. Fankhanel worked in a variety of positions. She even had her own business for a while. She did medical transcriptions out of her home for several doctors, while she completed work for her undergraduate degree, taking courses at the University of Hawaii and at Chaminade University of Honolulu.

While working in the community relations and patient relations office at Castle Medical Center, she continued her educational pursuits and received an MS degree in counseling psychology from Chaminade University of Honolulu in 1987.

"I feel my degree will be a real asset in patient relations," Mrs. Fankhanel says, "because when you are working with patients,

counseling is a good thing to know how to do — that and being a good listener.

"I have been very pleased," she says, "to see how responsive physicians and employees here have been when I have contacted them about patients. They have been very interested and cooperative."

While in Hawaii, Mrs. Fankhanel was the organist for Kailua Seventh-day Adventist Church. In addition to being musical, she is also athletic: she is very enthusiastic about racquetball, jogging, and hiking.



Jean Fankhanel

TODAY

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SIMS . . .

Continued from page 15

gram. The hospital also operates nutrition and immunization programs, family planning clinics, and pre-natal screening.

Dr. Burnham acknowledges, "At Malamulo, we don't pray for miracles, we depend on them."

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