Fetal-monitoring equipment installed in University Hospital

A fetal-monitoring system designed by a 1966 School of Medicine graduate has been installed in Loma Linda University Hospital, according to Edwin E. Nichols, MD, chairman of the department of gynecology and obstetrics.

The unit, first of four scheduled to be installed in the hospital, was designed by Edward H. Hun, MD, an obstetrician with electronics training.

According to an article describing Dr. Hun's work which appeared on October 23, 1966, of the Newsweek magazine, almost all of the four million babies born in the United States each year arrive in good health, but some 28 thousand others, who appear to be normal infants, die in the process of being born.

Last October, the world's first fetal-intensive-care unit was opened at the Yale-New Haven Hospital in Connecticut. Here the infants are kept under the electronic vigil of the fetal-monitoring systems.

Biggest threat
"The biggest threat to the delivery of a child with normalcy," according to Dr. Nichols, "is interference with the blood supply, which deprives the brain of oxygen."

The most common causes of such distresses are debris in the placenta, the organ that supplies blood to the fetus, or compression of the umbilical cord, the connecting link between the placenta and the child, reports Newsweek.

Usually, the physician will try to detect any trouble by listening to the fetal heartbeat by stethoscope. If the heart rate remains in the normal range of 120 to 160 beats a minute, the doctor assumes that all is well.

Unfortunately, many obstetricians agree, the stethoscope has a limited value for detecting early fetal distress. It cannot pick up the heartbeat of the unborn children during the contraction of the uterus during labor. Thus, an obstetrician listening to the fetal heartbeat may find the heart rate normal even when the child is in trouble.

Records heartbeat
With the help of the fetal-monitoring system, University Hospital physicians can now record the heartbeat of the unborn fetus by waiting until the cervix has become dilated and then clipping a half-inch silver electrode to the flesh of the baby's scalp.

At the same time, a plastic tube is placed in the uterus alongside the baby and attached to a gauge to measure the pressure of uterine constriction.

The monitoring system takes readings from the electrode and gauge and records its findings on graph paper at the mother's bedside. When the University Hospital equipment is complete, the readings will be duplicated on a master at a central nursing station, explains Dr. Nichols. Eventually it will be possible for one nurse to monitor the heartbeats of several unborn children.

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Continued on page 9

University inaugurates annual alumni advancement gift program

Loma Linda University is about to launch a new annual gift program — the alumni advancement fund. According to Charles C. Case, director of development and coordinator of the program, School of Medicine Alumni Association president Floyd L. Wergeland, SM'32, has accepted an appointment to serve as chairman of the national alumni committee for the annual giving program.

Dr. Wergeland, a native of Kibby, Montana, is currently senior vice president for medical affairs at the Leumeah Village, an Laguna in Jacksonville, Florida.

Prior to this appointment, Dr. Wergeland was a major general in the United States Army serving as commanding general of Walter Reed General Hospital, Washington, D.C. and surgeon general for the United States Army in Europe. He retired from the Army in August 1966 after serving more than 31 years.

The purpose of the annual alumni advancement fund, according to Mr. Case, is to encourage continued and additional alumni support of the University, to develop new support for the importance of the alumni's support and to establish a mechanism, within which alumni may develop systematic patterns of support.

"In my opinion," Dr. Wergeland says, "the evolution of the educational systems in River-
To the Editor:

Dear Editor:

“...the people who like to wallow in their own misery, or only watch others wallow in theirs, may be better than none for it is possible for Him to help us in those ways of working of which we know nothing.”

Oto B. Kuhn

Loma Linda

The Disintegration of Form in the Arts by Erich Kahler

Reviewed by Harold B. Hannum

There are many foreboding voices in the land pointing out the trend of modern civilization to a lack of respect for the institutions of society. One such voice, that of the British historian, Dr. E. R. A. Selby-Bigge, quotes a recent confession that our civilization is losing all sense of the beautiful. What remedies are suggested? Many: “Diagnosing the disease is one thing and curing it is another.”

In the first few pages he defines form as “structure and shape created by the manipulation of the materials available to the artist.” Heuristic definition; it seized upon the surface reality, and in the essential nature of things it abides pattern,...

Professor exhumes British “aggression” in Corinto incident

Gary M. Ross, PhD, assistant professor of history, has had a paper, “Britain at Corinto — The Disintegration of Form in the Arts,” published in Washington University SCOPE, an annually published book of scholarly research.

In his article, dealing with Anglo-American relations and the Corinto incident, Dr. Ross notes that the conflict between British and American forces was not caused merely by the necessity of the British to supply their forces in Corinto, but was a complex of situations, each having its own importance. The British, with their inherent predisposition to world leadership, were driven to act as they did, whether they desired to or not. The Americans, on the other hand, were forced into a position of defense, and were therefore able to maintain their own form and shape.

The purpose of this research was to demonstrate that the Corinto incident was not merely a clash of arms, but was a complex of situations, each having its own importance. The British, with their inherent predisposition to world leadership, were driven to act as they did, whether they desired to or not. The Americans, on the other hand, were forced into a position of defense, and were therefore able to maintain their own form and shape.

The research was conducted on the principle involved in each situation, and reached the conclusion that the British were the aggressors.

The radioactive era has not yet had time to manifest itself clearly, and the structure and shape created by the manipulation of the materials available to the artist is not yet fully understood.

This research was conducted by University Artist and lecturer John M. Ross, and is being published in the book, “A festival of Philo¬loso¬try,” by Dr. Ross, as a part of the LLU artist and lecture series conci¬minated in Christ’s becoming human and saving us from salvation.

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LLU missionaries in Hong Kong

Loma Linda University student missionaries (left to right) Joan M. Hoatson and Deborah Butler take time out from their teaching activities at the Seventh-day Adventist Hong Kong Sam Yuk Secondary School to do a little sightseeing. Hong Kong, a city of nearly four million people, has one of the finest natural harbors in the Far East.

Joan and Deborah discuss grades with a few of the students prior to classes. Over 70 percent of the 600 students who attend the Sam Yuk Secondary School are non-Christian.

Eating with chopsticks is "old hat" to the student missionaries by now. A small Buddhist restaurant near the school is a favorite of the two. For less than $1 three people can feast generously on the Chinese food served there.

Buying food at a local market takes on a new flavor for Miss Butler. The student missionaries find that most foods are relatively inexpensive as compared to United States prices.

Teaching an English class is only one of the many duties of the student missionaries. Miss Hoatson also teaches religion and geography classes in addition to entering into the school's extra-curricular activities.

Coming home after a long day of teaching the girls find stacks of papers waiting to be graded. Miss Butler and Miss Hoatson, both of whom graduated from the College of Arts and Sciences last June, plan on returning to Loma Linda University next year to continue their studies on the graduate level.
DENTAL HYGIENISTS

Florida
Palm Bay: Seeking full or part time hygienist. No Saturday hours.

Iowa
Dek Moines: Hygienist sought for position on dental health team with Iowa State Department of Health.

DENTISTS

Arizona
Cottonwood: Part-time dentist needed to serve an area of 8,000. Space for position as dental health consultant to hospital. Immediate

California
Los Angeles: Dental seeking associate who will assume over practice, or will sell outright. Immediate

Sanford: Hygienist sought to introduce at option

San Bernardino: Eight-suite physicians' office building now under construction. 30-bed hospital just completed. Energetic, quality practice with opportunity for partnership. Located in own area.

Bostons, Specialists

Pedodontist
1 Turketh, California: Associate sought to do children's dentistry in busy office. Immediately

NURSES

Napa: Seeking full-time registered nurse in 12-bed hospital. Must be responsible for completing patient charts, administrations of medications, and supervision of staff in addition to performance of nursing duties of staff of 11

Ohio
Portsmouth: Seeking director for new呗teen year program for University of Ohio.

Miami Beach: Dental teaching area. Three - operatory office, fully equipped for sale. Middle age, 35 years. High gross practice. Will start in March. Located in center of populous area.

San Francisco
Tampa: Staff privileges at local hospital. Immediate

Tampa: General practice for sale or association with option to buy. Leasing to attentive

Veendam
South Royalton: Take over excellent practice in beautiful Vermont. Country living

BOSTON UNIVERSITY MEDICAL CENTER

Cambridge: Immediate

NURSE

Medical除此n

New York
Angeles to Frankfurt, Germany. University Church is sponsoring a plane trip to Europe next July. European trip reservations are accepted on a first-come, first-served basis.

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University SCOPE - Wednesday, December 11, 1968

Medical alumni convention scheduled for February 14-20

The 37th annual Alumni Postgraduate Convention to be conducted by the Loma Linda University School of Medicine and the School of Medicine Alumni Association will open February 14 in Loma Linda and continue through February 20.

The weekend inspirational meetings and the refreshers courses will be held in Loma Linda while the scientific session will be held the following weekend. Each program promises to be highly interesting, educational and stimulating, and attendance is expected to be very large. Details will be announced in future issues of University SCOPE, and for more information write to the Department of Alumni Relations, University of California, Loma Linda, 92354.

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Ralph Pierce
Progress of University merger is topic of president's report

Editor's note: The following article is an edited version of the text of a speech delivered by University President David J. Bieber at the President's Convocation November 13.

The progress of the University merger has been most supportive to many categories ranging from board members, faculty, students including undergraduate and graduate liberal arts students, and liberal arts programs, to students often behaving unlike the average citizen or church member. Perhaps what goes on within a union during the past year.

One such event was held on the day Adventists. A number of the first building purchased which has been corrected so that university designed to administer this.

Because of this change, campus on the board level were secretarial. A new committee of the trustees known as the foundation committee was formed and this committee is responsible for foundation matters including the administration of trusts and investments and the solicitation of trusts.

In addition to the foundation committee a similar group known as the executive committee was structured. This committee meets monthly to delib- erate on matters pertaining to the general operation of the University. Both committees have only delegatory authority, however, and leave major policy and planning matters to the University Trustees.

Another major and far-reaching change has been the election of a board chairman with residence on the west coast. As vice president of the General Conference of Seventh-day Adventists, Robert B. Betz has been assigned as his major responsibility the chairmanship of the La Sierra University Trustees. In addition to serving as chairman of the Trustees, he also serves as chairman of the foundation committee and the executive committee.

In the governance of institutions four groups became involved - the University, the faculty, the student body, and the University administration committee. A separate faculty and student senate has been set up on an intercampus basis, and on intercampus and graduate levels.

The new institution was not to remain only a medically-oriented institution but a University of the University designed to administer the nation has been corrected so that university designed to administer this.

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Wednesday, December 11
CAMPUS CHAPEL, LL — Midweek service, associate pastor, speaking: 7 p.m.
CAMPUS HILL, CHURCH, LL — Pastor service, Rev. D. R. White: 7:30 p.m.
COLLEGE HALL, LS — Conference of Seventh-day Adventists: "Walking With God": 7:30 p.m.

Thursday, December 12
COLLEGE HALL, LS — Assembly, Collegiate Christian Leagues: 10:30 a.m.
LINDA HALL, LL — Loma Linda Youth Association meeting: 7:30 p.m.

Saturday, December 14
UNIVERSITY CHURCH, LL — Hour of worship, guest speaker: 10:25 a.m.
LA SIERRA CHURCH, LS — Hour of worship, guest speaker: 11 a.m.
CAMPUS HILL CHURCH, LL — Hour of worship, pastor Wilbur K. Chapman: 10:25 a.m.

Friday, December 13
LA SIERRA COLLEGE, LS — Hour of worship, pastor Paul C. Heubach: 10:55 a.m.
CAMPUS HILL CHURCH, LL — Christmas music: 4 p.m.

Monday, December 16
LA SIERRA CHURCH, LS — Choir practices: 4 p.m.

Tuesday, December 17
THE COMMONS, LS — Sigma Phi Epsilon, women's residence hall club, "Annual Christmas meditations": 7:30 p.m.

Wednesday, December 18
LINDA HALL, LL — Loma Linda campus employees breakfast: 7 to 11 a.m.
COLLEGE HALL, LS — Assembly: 4:15 p.m.

Friday, December 19
UNIVERSITY CHURCH, LL — Hour of worship, guest speaker: 10:25 a.m.
CAMPUS HILL CHURCH, LL — Hour of worship, pastor Wilbur K. Chapman: 10:25 a.m.

Saturday, December 20
LA SIERRA CHURCH, LS — Hour of worship: 8 a.m.
CAMPUS HILL CHURCH, LL — Church service, pastor Paul C. Heubach: 10:25 a.m.

Sunday, December 21
LINDA HALL, LL — Loma Linda campus employees breakfast: 7 to 11 a.m.
COLLEGE HALL, LS — Assembly: 4:15 p.m.

Friday, December 27
UNIVERSITY CHURCH, LL — Hour of worship: 8 a.m.
CAMPUS HILL CHURCH, LL — Church service, pastor Paul C. Heubach: 10:25 a.m.

Saturday, January 4
UNIVERSITY CHURCH, LL — Hour of worship: 11 a.m.
CAMPUS HILL CHURCH, LL — Church service, pastor Paul C. Heubach: 10:25 a.m.

KSDA-FM to air Christmas special
"Christmas in Global Village," a special Christmas program produced by the audiovisual service of the General Conference of Seventh-day Adventists, will be heard over Loma Linda University's radio station, KSDA-FM (98.9) Saturday, December 22, at 2:30 p.m. and will be rebroadcast Christmas day at 3 p.m.

The program will take the listener on a musical tour through an imaginary "global village" by presenting a variety of carols from different countries.

More than 250 boys and girls from nine Riverside County public high schools participated in an annual Future Farmers of America field day held on the La Sierra campus farm.

The day's activities included dairy, livestock, poultry, and soil judging and demonstrations ending with an awards ceremony in The Commons.

"Modern Millie" aids Turkish education
"Turkey would welcome the work of Seventh-day Adventist health educators," according to Atilla Sunay, MD, son of Turhan Sunay, MD, president of the University's program in New York City.

The number of girls taking part in the field day is increasing, too, adds Mr. Carr. This is the first year that girls, who have been involved previously, could participate as full-fledged members of the Future Farmers of America.

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President's speech

Continued from page 5

An even more serious consideration is the imbalance in the ratio of students to faculty. It is an imbalance that has had its origins in the past, but which is now reaching a point where it is cause for real concern because of the effects it is having on the quality of education being offered. The student-faculty ratio is now at a level that is not only unacceptably high, but it is also having a deleterious effect on the morale of the faculty. The faculty is being asked to do more with less, and this is not a situation that is sustainable in the long term.

The question that arises is: How much more can we expect our students to pay for a quality education? Is there a limit to the amount that a student should be expected to pay for an education? And if so, what is that limit?

One thing is clear: we cannot continue to expect students to pay more and more for a declining quality of education. At some point, the relationship between tuition and quality will break down. This is not just a matter of financial considerations; it is also a matter of the integrity of the educational enterprise.

We must therefore ask ourselves: What is the maximum share of tuition revenues that we can justify for the educational enterprise? What is the point at which we have reached the limits of our ability to provide a quality education for our students?

This is not an easy question to answer, but it is a question that we must ask if we are to maintain the integrity of our educational institution.

Finally, I would like to address the issue of faculty and staff. The University's financial problems have had a direct and negative impact on the faculty and staff. The lack of resources has made it difficult for the University to attract and retain top-quality faculty. This is a serious problem, and it is one that we must address if we are to continue to provide a quality education for our students.

In conclusion, I would like to urge all members of the University community to consider the financial situation with seriousness and determination. We must work together to find solutions to these problems, and we must do so in a way that preserves the integrity and quality of our educational institution.

Sincerely,

[Signature]
La Sierra and Glendale programs to feature Candlelight Concert

Loma Linda University’s twenty-first annual Candlelight Concert, a highlight of the holiday season each year, will be presented Friday evening, December 13, at 8:00 and 10:00 p.m. in the La Sierra Seventh-day Adventist Church. A third performance is scheduled in the Valley Drive Seventh-day Adventist Church in Glendale, Saturday, December 14, at 4 p.m.

Moses A. Chalmers, assistant professor of music, said that approximately 150 participants are scheduled for the performances, including the University Concert Choir and Chamber Singers under his direction, and the University Concert Orchestra and University String Ensemble, under Alfred Walter’s direction. Assisting in the performance will be Donald J. Vaughn, assistant professor of music; organ concerts, and Denise Neufeld, harpist and vocal assistant. Donald J. Vaughn, assistant professor of music and Denise Neufeld, harpist and vocal assistant, will be featured soloist.

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SD student display earns ADA award

Loma Linda University School of Dental Education seniors Peter M. Cooper and James W. Petrik were awarded honors at the annual ADA meeting in Miami Beach, Fla. Their display was shown to the students and faculty at the annual ADA meeting in Miami Beach, Fla. Title of their clinic was "Radiodensitometry of Salivary Gland Parenchyma." The annual competition is sponsored by the Dentists' Supply Company of New York, based in York, Pennsylvania.

Students from the nations 50 dental schools participated in the 1968 competition.

Fetal monitoring

Continued from page 1

rate of the fetus will cause a warning light at the central station to glow bringing physicians quickly to the patient's side. According to Dr. Nichols, the fetal-monitoring system has shown that the pattern of changes in the hear rate is a more important indicator of fetal distress than the actual number of heartbeats.

Because of the fetal-monitoring system, Dr. Nichols says, the number of cesarean section performed for fetal dis- ease will be significantly reduced.

Fetal monitoring at University Hospital has already begun to help mothers deliver health- ily babies.

Long-range plans call for the installation of monitoring units in outlying regions, with the data being relayed over telephone wires to a central station at University Hospital for reading and evaluation.

Births

SCMID, Carolyn Elizabeth, born November 7 to Mr. and Mrs. Harold W. Schmid, University patrol office, of Col- umbus, Ohio. Tremendous practice!•

SCHMID, Carolyn Elizabeth, born November 7 to Mr. and Mrs. Harold W. Schmid, University patrol office, of Col-

Daro, one for Heri; Iheka, Alonzo L. Baker, PhD, president of Loma Linda University.

This will be Dr. Baker's fourth tour of the U.S.S.R. in 10 years. He has taught Russian history and

Continued from page 4

first-year salary, 69-bed, open staff hospital. Office also available. Five physicians serving area in immediate need. 69-bed, open staff hospital. Office also available. Five physicians serving area in immediate need.

Sears-Roeckel Foundation allocates $2,500 to University

Loma Linda University was the recipient of a $2,500 grant from the Sears-Roeckel Foun- dation under a continuing pro- gram of aid to privately sup- ported colleges and universities. In announcing the distribution of the 1968 grants, Dr. Joseph

Placement

Continued from page 4

New York

GOVERNOR: Two GPs de- nied and one refused, creating immediate need. 28-bed, cert. hospital. Physicians serving area of 5,000

Ohio

LANCASTER: Physician retiring. Will need office and practice

Oklahoma

TALTUN: Immediate need in this community. Town will subsidize incoming physician.

Oregon

LEBANON: This beautiful com- munity in the mid Willamette Valley is seeking a general practi- tioner. 11-bed hospital. Physi- cians' office building planned At once

REDMOND: Miscellaneous, miscellaneous. Physician urgently needed here. At the area.

SPRINGFIELD: Community ac- tively seeking general practitioner

Texas

FLOYDADA: General practitioner with interest in general surgery urgently needed. N.w.b. well equipped hospital. Immediately

SAN ANA: Community has re- cently lost several physicians. Good hospital in Santa Ana. Will

SADUCO, local representative of the foundation, said 32 partici- pating colleges and universities in California will share in grants totaling $67,500.

The purpose of the program is to systematically help private institutions of higher learning meet their financial needs. Alto- gether, more than 700 colleges and universities from coast to coast will receive Sears Foun- dation grants. They are un- restricted to allow the schools to allocate their funds according to their greatest needs.

Children

BENGHAZI. Gyne- cotologists -

BENGHAZI: Deputy, one for De- Ino. Nurses: Bergahni; Emilia Zammitti; De敗cii Beli, Ikhalah, Alonzo L. Baker, PhD, president of Loma Linda University.

This will be Dr. Baker's fourth tour of the U.S.S.R. in 10 years. He has taught Russian history and

Continued from page 4

first-year salary, 69-bed, open staff hospital. Office also available. Five physicians serving area in immediate need. 69-bed, open staff hospital. Office also available. Five physicians serving area in immediate need.

Sears-Roeckel Foundation allocates $2,500 to University

Loma Linda University was the recipient of a $2,500 grant from the Sears-Roeckel Foun- dation under a continuing pro- gram of aid to privately sup- ported colleges and universities. In announcing the distribution of the 1968 grants, Dr. Joseph

Placement

Continued from page 4

New York

GOVERNOR: Two GPs de- nied and one refused, creating immediate need. 28-bed, cert. hospital. Physicians serving area of 5,000

Ohio

LANCASTER: Physician retiring. Will need office and practice

Oklahoma

TALTUN: Immediate need in this community. Town will subsidize incoming physician.

Oregon

LEBANON: This beautiful com- munity in the mid Willamette Valley is seeking a general practi- tioner. 11-bed hospital. Physi- cians' office building planned At once

REDMOND: Miscellaneous, miscellaneous. Physician urgently needed here. At the area.

SPRINGFIELD: Community ac- tively seeking general practitioner

Texas

FLOYDADA: General practitioner with interest in general surgery urgently needed. N.w.b. well equipped hospital. Immediately

SAN ANA: Community has re- cently lost several physicians. Good hospital in Santa Ana. Will

SADUCO, local representative of the foundation, said 32 partici- pating colleges and universities in California will share in grants totaling $67,500.

The purpose of the program is to systematically help private institutions of higher learning meet their financial needs. Alto- gether, more than 700 colleges and universities from coast to coast will receive Sears Foun- dation grants. They are un- restricted to allow the schools to allocate their funds according to their greatest needs.
President’s speech

Continued from page 1

they are hysterical.

I am confident that church-related institutions, because of their unique characteristics, have something to offer in higher education unequalled and unparalleled in previous times. However, be aware of pitfalls and challenges in order to prevent that which has taken other campuses.

The above are just some of the areas which bear study and evaluation. The evidence is mounting that it is wise to stimulate on campus, segments to voluntarily undertake self-educative studies; to structure committees comprising board members, administrators, faculty, and students to brainstorm for ideas to provide solutions to some of our problems and to assist in future planning; and we are actually open to suggestions from our community and out-of-town friends and alumni.

It has been pleasant to visit with you this evening. The course of your president has never been better and I only hope and pray that all of us may be equal to the task before us.

Alumni News

Area teachers visit School of Medicine

The School of Medicine department of anesthesiology sent 175 elementary and secondary school teachers from the San Bernardino City Unified School District last month, according to Dr. Lighthouse, chairman of the department.

The group was lectured on fertility, conception, and childbirth which were considered fundamental to wholesome attitudes, marriage, and family relationships.

Hartford gift

Continued from page 1

Note that a daily oral administration of the acid mucopolysaccharide chondroitin sulfate A (CSA) was highly effective in preventing coronary heart attacks and disease.

Mrs. Mortimer indicates that CSA has been effective in forestalling arteriosclerosis in rats, rabbits, and monkeys.

Current plans with the help of the Hartford grant is to help other clinical students help their group of patients with heart disease, half of whom have been treated with CSA and half who are serving as non-CSA treated control.

Participating in the research project in addition to Dr. Mortimer are Arthur W. H. Yateman, research professor of biochemistry at the School of Medicine; a visiting assistant professor of medicine; Dr. A. Quigley, MD, research professor of pediatrics; G. A. Schumacher, PhD, chief and associate professor, metabolic section, laboratory of nuclear medicine and radiobiology, University of California at Los Angeles; Arthur W. Branwood, PhD, director of the Institute for Arteriosclerosis Research, Los Angeles.

S. B. Sahu, DVM, PhD, research professor, Institute for Arteriosclerosis Research, Los Angeles; R. D. Albin-Alvarez, PhD, professor of nutrition, University of California at Los Angeles; A. W. Brownwood, MD, professor of pathology, Cornell University, Ithaca, New York; S. B. Sahu, PhD, research professor, Institute for Arteriosclerosis Research, Los Angeles; S. B. Sahu, DVM, PhD, research professor, Institute for Arteriosclerosis Research, Los Angeles.

Newspaper: 19 July-8 Aug., 1969

See if you qualify for SET's flights: No age limit. No tour buses. No schedules to fight. Under $300. Ask any

Get Set!

- Extremely low cost 707 or DC-8 jet transport to Europe and back.
- Optional accommodations in Zurich during Youth Congress, including night before, night after, and breakfasts included.
- Optional one-way charter, or negotiate best price with airline. Liquidate approximately dates wanted.
- Entire west-coast service: departures from Los Angeles, Oakland, and Seattle direct.

GO!!

For the other guy. (Drive defensively.)

Published in good faith in cooperation with The Advertising Council and the National Safety Council

Watch Out!
Christmas means many things to many people... to us at Southland, Christmas is a special time to pause and reflect gratefully upon the many friends who have helped make our bank the vital success that it is.

From your staff at...
Two former Loma Linda University employees currently teaching English at the Osaka Center of Seventh-day Adventists, Osaka, Japan. They are Carroll J. Mills and E. Jamie Trefz.

Miss Mills, former editorial assistant for the University Scope and more recently a secretary and assistant wire editor at the Riverside Press-Enterprise, Riverside, and Miss Trefz, former editorial assistant for the University's public information office, arrived in Osaka the latter part of October to begin a six-month stint of teaching.

Organized in 1959

The Osaka Center of Seventh-day Adventists, organized in 1959 under the direction of Maurice T. Bascom, is one of only two Seventh-day Adventist churches in the city of four million people.

Two years ago Pastor Bascom started the English language school with only 12 students. Today more than 850 are enrolled with 11 teachers, including nine student missionaries from various colleges in the United States.

The Japanese students each pay from 9,900 to 60,000 Yen (about $27.25 to $165) depending on how intensive their studies are, for a three-month course. Most students attend classes for two hours two evenings a week.

The language courses are divided into 11 levels. As the students progress up the levels, the English classes become increasingly more difficult.

Classes are taught with the same methods as used in the Berlitz language schools in the United States. Only English is spoken in the classroom.

Upper class students

Students, most of whom are from the upper class of Japanese society, often include physicians, teachers, businesswomen, engineers, television announcers, and many youngJniversity.

All of the students who apply for entrance to the school have some background knowledge of English. "Our English classes help to improve the quality of the spoken words and vocabulary," Mr. Bascom says.

"The classes are an 'opening wedge' to spread the Seventh-day Adventist message in Osaka. To even talk about a Christian religion, you must first gain the people's confidence," Mr. Bascom explains. "Most Japanese won't step inside Christian evangelistic services, but if they are your friends, they will join you for a meal."

Evangelistic efforts, almost continuous from Easter to Easter throughout the year, are held in English with Japanese translations. Many students who come to improve their English will come to these services.

The English classes, each two hours in length, consist of a 30-minute laboratory review over previously presented material and one and a half hours of instruction with two hours of discussion.

How do the Japanese learn about the center? "Advertising and word of mouth," Mr. Bascom says. "We advertise on radio, in newspapers, and on the subways, trains, and buses."

Teachers are paid salaries of $350 per month plus rent and transportation costs from their apartments to the center. Profits from the center sponsor a daily evangelistic radio program and a great proportion of the costs of the center's evangelistic efforts.

Need desided

One of the center's greatest needs at the present time is for more funds. "We need funds to help support the church for the next couple of years. After he is established, he will be able to make his own way."

Persons interested in teaching at the center may write directly to Maurice T. Bascom at 1-80-1 Kame-michi, Higashiyodogawa, Osaka, Japan. Student missionaries are recommended by their home college. Others are sent under the auspices of the General Conference of Seventh-day Adventists, Washington, D.C. The usual term of teaching at the center is a six-month stint of teaching. Prospective teachers must each provide for their transportation to and from Japan.

VOOCHEN REAL ESTATE

In Loma Linda

NOT TOO FAR FROM HOSPITAL.

Is this your dream home? This property is located two blocks from the hospital and presents all the amenities you desire. Renovated throughout, this home offers 4 bedrooms, 2 baths, new kitchen and bathrooms, new furnishings, and a private garden. Ideal for a large family, it is perfect for those seeking a quiet, serene living environment.

For more information, please contact Voochen's knowledgeable and professional team. Voochen is committed to providing exceptional service and unmatched value.

NEAR LA SIERRA CAMPUS

This property is located close to La Sierra campus of California Baptist University. It is suitable for students and faculty members seeking a peaceful and tranquil living environment. The property has been recently renovated and includes 2 bedrooms, 1 bath, a fully equipped kitchen, and a beautiful outdoor space. Conveniently located, it is perfect for those who want to enjoy the vibrant campus life.

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VOOCHEN

4281 La Sierra Avenue
Riverdale, California
across from La Sierra Plaza
Ph. 609-8113 or call collect.

"How Do You Use Worthington 209, Anyway?" Any Way You Want to Partner!"

Worthington 209 has captured the fancy of folks everywhere. "209" is a savory new protein food unlike anything you may have tried before. Thousands already have tried "209" slices and come back for more. Delicious served over toast points when baked as in the recipe below. You've likely already tried "209," but in case you haven't, why don't you get some soon — pardner!

Barbecue "209"

6 tablespoons lemon juice, 3 tablespoons brown sugar, 1 teaspoon marjoram, 1 teaspoon garlic powder, 2 cups tomato sauce, 1/2 teaspoon paprika and 1/2 teaspoon pepper. Combine all ingredients and brown (but do not crisp) on grill or in pan.

Serve this mixture over toasted, buttered buns. Serves 4-6.

Keep looking for word of mouth, Mr. Bascom says. "Advertising is not necessary. We advertise on radio, in newspapers, and on the subways, trains, and buses."

Teachers are paid salaries of $350 per month plus rent and transportation costs from their apartments to the center. Profits from the center sponsor a daily evangelistic radio program and a great proportion of the costs of the center's evangelistic efforts.

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Riverdale, California
across from La Sierra Plaza
Ph. 609-8113 or call collect.
**Automated console is student engineered**

A simplified computer system rigged by two of KSDA's student engineers has made it possible to increase on the air time by more than one third and to improve broadcast quality. This venture into the field of automation, has made KSDA's coverage area one of the pioneer educational stations in the nation. It is the only member of the Adventist Collegiate Radio Network (ACN) so equipped.

Two student engineers, both sophomore physics majors, John Beckett, of Trac-}

**Station donated stereo recorder**

A $1,400 stereo tape playback unit was recently donated to Radio Station KSDA by Mr. F. Donald Schliff, marketing manager for Electrodyne Corporation of Glendale. This gift greatly increases the station's broadcasting capabilities, according to Mr. Ron Bowes, general manager.

The new unit, a Concertone professional two-track stereo, has made the station's new broadcast automation system possible, says Bowes.

Also, since it uses 14-inch reels and reverses direction, at the end of the tape, it saves time by rewinding itself and can broadcast continuously for six hours, twice as long as the station's older tape recorders.

Bowes stated that the gift "is significant because it puts us closer to stereo operation; it is our first large piece of stereo equipment."

---

**'Big Wheel' will grace tower top**

A new antenna system will replace KSDA's existing antenna soon if all goes well. The new omnidirectional "big wheel" antenna has the engineering department with their fingers crossed as the station prepares to take some first steps in the operational stages of "Operation Think Big."

"Think Big," a long-range development and fund-raising project launched by former station manager Dr. Don Dick, is aimed at increasing KSDA's coverage area, broadcast quality and program quantity and quality.

The new antenna is a first step in increasing the station's coverage area. It will replace the existing "dual-stacked halo" antenna system which has served the station for several years. Listeners in the tri-county area that KSDA serves will be able to hear the station more easily because the new antenna uses the 1000 watts of input power more efficiently.

Built by John Guynn, an assistant engineer at KSDA, the basic design came from an amateur radio magazine. The commercial design Guynn built is a bit beefed up.

The cost of the new antenna, valued at $600.00, is $70.00 including labor. This is one of the first expenditures from the $2500.00 donated to "Think Big" to date.

---

**Studio engineer John Beckett adjusts the robot disc jockey that has increased KSDA's on-the-air hours and broadcast "sound," besides making it the first university-related station in Southern California to be automated.**

---

**This Special Insert**

was produced by the public relations staff of KSDA with the cooperation of the University Scope and The Criterion. Questions and comments should be channeled to the General Manager, KSDA, 11725 Campus Drive, Riverside, California 92505.

---

Dr. Alonzo Baker on the air with his weekly "Commentary" heard at 5 p.m. Sundays and 10 p.m. Mondays on KSDA, Riverside; WGTS, Washington, D.C.; and WSMC, Tennessee, via the Adventist Collegiate Network.
On July 1, 1967 KSDA became the “Voice of Loma Linda University.” The new responsibilities and challenges of two-campus coverage have been readily accepted by the staff and management. The station has increased its air-time by more than one-third in an attempt to provide a well-rounded format of interest to the whole university. Several live programs have been broadcast from the Loma Linda campus, making them available to Riverside residents and of course many programs originate live from the La Sierra campus, thus making them available to Loma Linda residents as well. This has tremendous potential as a unity factor within the university.

KSDA’s operating board has gone on record favoring increased coverage and continued co-operation with the University Church station KEMR which has made excellent programming available for many years in the Loma Linda area. However, technical problems have kept us from doing a top job of covering Riverside and Loma Linda.

KSDA’s old Westinghouse FM transmitter has served well beyond its life-span. Though we are licensed for 1700 watts E.R.P., we operate presently at less than 300 watts. Power is often radically reduced. At times we reach only the immediate La Sierra area. With the limited power and the interference caused by the hill separating the two campuses coverage is difficult.

There has been planning and investigation for several years toward moving the transmitter’s location to reach Los Angeles and Orange counties. At this time it seems that the idea of moving our transmitter is no longer feasible because of frequency-crowding problems. It seems that we simply did not have the right kind of money at the right time.

None-the-less, things can be done to make us heard more easily. Some of these things are relatively simple, and temporary, and don’t cost too much. These we are doing post-haste. Some other things are more complex, more expensive, and more permanent.

### Turn it on...

**Concert Hall**

with John Robertson

The classical sound of truly great music selected carefully from KSDA’s library of classical records, and blended with John’s informative comments that help you enjoy the high point of the evening on

KSDA 8-9:30 p.m. Monday-Thursday 89.7 FM

### Special events now

Live and tape-delayed special coverage of many events on the national, local, university and church scenes are covered by KSDA’s news stand-by team, which may include, at times, the whole staff.

The 168 national elections, the Seventh-day Adventist Western Centennial, and the University President’s Convocation are among the special events that have been broadcast this year.

**WHEN THE STATION manager decides to cover an event of newsworthy proportions, he calls on the one of the station’s senior producers to coordinate the project, and preparation begins days in advance.**

The election night news service provided six hours of continuous coverage and an additional ten hours of stand-by reports. On its coverage of local races, it sometimes ran as far as three hours ahead of network television broadcasts.

More than thirty students made up the election news team, including fourteen remote correspondents from candidates’ headquarters in Los Angeles and Riverside.

John Beckett, one of the station’s engineers, estimates that he ran more than 150 feet of wiring in the studio to set up the extra equipment needed for the election night coverage.

The wiring included three networks of telephone lines to enable anchormen Jerry Iverson and Monte Sahlin to hear several sources at the same time, even as they talked on the air.

**DURING the Western Centennial of the Seventh-day Adventist Church, KSDA aired more coverage than any other single station.**

A second studio will be added to KSDA facilities in the near future as engineers finish wiring a new control board in the University Speech Department’s audiology room. The station will share the soundproofed double room with the speech therapy clinic.

“Studio B,” as station staff members call the room, is located on the ground floor.
**Meet the KSDA staff**

Chmn., Speech Dept. ...... W. Fletcher Tarr  
General Manager............. Ronald Bowes  
Chief Engineer................... Roy Steck  
Production manager .......... Warren Dale  
News Director............... Jerre Iverson  
Senior Producers ... Monte Sahlin, John Robertson, Mike Conner, Dale Pettibone  
Announcers....... Linda Knutson, Val Wills, Delbert Schwartz  
Transmitter Engineers......... Tom Potts, John Warren, John Guynn  
Studio Engineer ............. John Beckett  
Broadcast Trainees...... Charlie Brown, Dave Adams, Teny Rule, Art Kaspereen

**WEEKLY SCHEDULE**

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<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
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<td><strong>THE MIKE CONNER MORNING SHOW</strong></td>
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<td>10:00 - 12:00</td>
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<td>Light, bright easy afternoon listening with the KSDA girls</td>
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<td><strong>CONCERT HALL</strong></td>
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<td>8:00 - 9:30</td>
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<td>The collegiate sound of bright, upbeat music from KSDA</td>
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<td><strong>MUSICAL CAROUSEL</strong></td>
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<td><strong>VOICE OF PROPHECY 9:30 - 10:00</strong></td>
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<td><strong>INTERMEZZO</strong></td>
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<td><strong>NEWS</strong></td>
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<td><strong>NIGHTTIME</strong></td>
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<td><strong>Prelude to the Sabbath</strong></td>
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<td><strong>Part I</strong></td>
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<td><strong>REFLECTIONS</strong></td>
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<td>A sparkling blend of irrepressible personality and bright music</td>
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**KSDA**

**Sacred Melodies**  |          |          |        |          |
| 6 - 10 |          |          |        |          |
| **Quiet Hour**  |          |          |        |          |
| 10:10 - 10:30 |          |          |        |          |
| **Interlude**  |          |          |        |          |
| 10:30 - 11 |          |          |        |          |
| **Invitation to Worship**  |          |          |        |          |
| 11 - 12 |          |          |        |          |
| **Songs of Praise**  |          |          |        |          |
| 12 - 1:30 |          |          |        |          |
| **By Request**  |          |          |        |          |
| 1:30 - 2:30 |          |          |        |          |
| **Dimensions**  |          |          |        |          |
| 2:30 - 3 |          |          |        |          |
| **Chapel Hour**  |          |          |        |          |
| 3 - 4 |          |          |        |          |
| **Story Hour**  |          |          |        |          |
| 4 - 4:30 |          |          |        |          |
| **Voice of Prophecy**  |          |          |        |          |
| 4:30 - 5:00 |          |          |        |          |
| **News**  |          |          |        |          |
| 5 - 5:15 |          |          |        |          |

**New back-up studio to serve with audiology class**

The Communications Arts Building on the Riverside campus. It will be used for producing programs and spot announcements and for broadcasting some shows.

Over the past year as KSDA added to its on-air time and the amount of special projects carried on, the time schedule for use of its one studio became increasingly crowded. At times the studio was in use twenty hours a day in order to meet work schedules. The new studio will enable two production teams to work simultaneously, alleviating crowding.

Equipped with two turntables, two tape machines and a cartridge machine, the new studio will be controlled by a 16-channel automation compatible control board.

**routinely covered**

Special Sabbath services from the Long Beach Sports Arena on September 21, featuring Walter B. Beach, world secretary of Seventh-day Adventists, were broadcast by tape delay.

On Sunday, September 22, a special commemorative program in Loma Linda, including the unveiling of a plaque on the site of the original Loma Linda Hospital building, was covered live and direct.

"The Message in the Golden West," a drama produced by Leo Gronke and the Religious Drama Society especially for the centennial, was released in fifteen-minute segments August 10 through September 1, and as a one-hour special on September 21.
Faculty getting involved in KSDA, too

Though based on the skills of a staff of trained student communications experts and engineers, some of KSDA's best programming is the result of faculty talent.

Dr. Alonzo Baker, noted commentator on political affairs and professor of political science, is heard twice a week—at 5 p.m. Sundays and at 10 p.m. Mondays. His news analysis program includes fifteen minutes of some of the most erudite and perceptive listening available.

"Commentary by Dr. Alonzo Baker," ranges over the wide field of current events, usually focusing in during each program on a particular crisis of recent origin and presenting an in-depth explanation of why and how it happened and what to do about it.

Consistent listeners get a real education in politics, economics, education, government, and international relations, delivered in Dr. Baker's inimitable style and irrepressible personality. The new analysis program is produced by KSDA for the Adventist Collegiate Network, and released by tape delay on WGET in Washington, D.C. and WSMC in Tennessee.

Saturday afternoon listeners have come to expect stimulating and often controversial discussion of religious topics with Dr. Tom Walters, research professor of chemistry in the University Medical Center, as he hosts "Dimensions."

"Dimensions" is a 30-minute dialogue with selected guests heard on Saturdays at 2:30 p.m. The guests, ranging from church officials to controversial spokesmen for various points of view, each bring a distinctive field of interest to the show. This topic is explored through the incisive questioning Dr. Walters directs to the guests, and the creative interplay of ideas between them.

Topics handled in the past have included many aspects of the church, some theological questions, Christian music standards, race relations and innovative mission programs. An important aspect of the program is the reaction of the listeners, often telephoned and mailed to the show's producer.

Not being heard at present because of the early sundown, is the worshipful blend of music and scripture read by Dr. W. Fletcher Tarr, chairman of the department of speech, called "Reflections."

"Reflections" will be heard beginning again early in February from 5 p.m. 'til sundown on Saturdays. It features great hymns and classic religious music, interspersed with Dr. Tarr's continuity.

Dr. Tarr is, of course, a master in the field of oral interpretation and he uses choice psalms, scriptures and poetry for his material on "Reflections." The result is a worship experience appreciated by KSDA's listeners.

John T. Hamilton, associate director of the University's public relations department, serves as host for many of the special interviews released during the weekly round-up of University news. Released at Thursdays on 5:30 p.m., University Report is essentially a newscast and is produced by the student staff.

Special interviews with faculty and administrators from the University are released sporadically during the news show, and Prof. Hamilton usually handles these with his warm conversational style.

Ronald W. Bowes, general manager, says that a constant search is going on for faculty who are interested in participating in developing and producing programming for the station.

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