University volunteers to staff Indian medical-dental clinic

Los Angeles area citizens and Interior of the Mohave Reservation near Banning are building a medical-dental center on the reservation that will serve all northern California Indians.

When the center is finished it will be owned and managed by a Los Angeles area Native Health Center. It has been estimated that nearly 6,000 of the 70,000 to 80,000 other Indians in the four-state area will use the clinic facilities.

Working on the medical-dental center is being coordinated by Lieutenant D. C. Cook, member of the Torrance Police Department and former Banning-Calabasas resident. He says another $3,000 is being raised to finish and equip the clinic. To date, about half that amount has been contributed. Diagnostic and treatment equipment has, for the most part, been donated.

The project, co-sponsored by the Torrance Kiwanis Club, will replace the present clinic on the reservation that will be the Indian Public Health Conference.

Nursing school to host alumni homecoming gala

Homecoming weekend for School of Nursing alumni is slated for April 24 to 26 on the Loma Linda campus of the University, highlighted by a one-day institute program on Sunday.

Friday night's service, set for the Campus Chapel, will be presented by the silver anniversary class of 1945. They are also responsible for the Saturday worship services at the University Church of Seventh-day Adventists.

Sunday marks the beginning of a nursing institute with the theme, "Adolescent Dilemmas - A234 of University Hospital.

Keynote speaker will be Dr. Tarr. The orthodontist and surgeon will describe how "A College Physician Interacts with the Environment." The presentation will be followed by a panel discussion on "A Contemporary Moral Revolution." Students, faculty, and guests will be asked to submit questions to the panelists.

"Swiss Family Robinson," a Walt Disney Studios color adaption, will be shown Saturday night, April 18, at 9 p.m. in Burden Hall.

Tongue Thrust, A Method for Straightening the Teeth. A method for correcting the "Tongue Thrust Syndrome," which many children develop, will be described by Dr. Tarr. The orthodontist and surgeon will describe how straightening the teeth causes protrusion of the tongue, often resulting in what is called an "open bite." Straightening the teeth can correct the dental problem, but the patient must also learn to swallow correctly, according to Dr. Tarr. The orthodontist and surgeon will describe how to use the special tongue appliance and therapy that will teach the patient to use the tongue properly.

The faculty will present a review of the Journal of the American Dental Association which contains many articles on the theme, "Adolescent Dilemmas - The Difficulties of a Nursing Institute." They will discuss the problems of the nursing student and the nurse in the field of adolescent health care.

"Swiss Family Robinson," a Walt Disney Studios color adaption, will be shown Saturday night, April 18, at 9 p.m. in Burden Hall.

Continued on page 5

More to man than... Dr. Tarr's study, which was reported to the Pharmacological Society, meeting in Atlantic City, New Jersey, a study comparing the effects of the enzyme, they would over a period of time and death.

To compare the effect that the carbamate pesticide would have on a man with the effects previously demonstrated in rats, Dr. Tarr and his laboratory specimen of the human liver, he studied the liver's activity in laboratory rats and compared it to other substances more or less toxic. The liver is the body's filtering organ; its function is to strain out of the bloodstream substances which might damage the system. Because a major ingredient was thus radioactively tagged, he was able to follow the metabolic breakdown of this poison in the liver, using the techniques of chromatography and radioautography to separate and define the remaining metabolites (called metabolism).

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Livers are different from one another... Some livers are better suited to the rat liver and the human liver which can bring down and modify the poison. The human liver has a number of chemical pathways which can convert some of these chemicals into other substances which the rat liver doesn't use. In general, however, the human liver produces essentially the same metabolites as does the rod. Although in most cases less of them, this means that somehow more of the parent compound, the poison, might remain in the body and accumulate.

Folk music festival is scheduled for Saturday night

A "Folk Happening" is slated for Saturday, April 18, in Gentry Gymnasium at 8 p.m. The event features a number of non-professional folk groups.

"Folk Happening" is sponsored by the University's Social Affairs Committee.

Regional issue

HONORARY ALOHA SINGERS, making their first mainland appearance, will present a "Portrait of Hawaii," a medley of Hawaiian music, each of which is located in the old Mo- moa jail. Some of the equip- ment was donated by a Tor- rance woman who had planned to sell it to South America, but instead shipped it to Mo- moa.

William J. Urrbetz, Tren- rou's city councilman and one of the phone company executives, is chairman of the volunteer committee.

Professor writes pamphlets on speech therapy correction

A pamphlet written by W. Fletcher Tarr, Ph.D., chairman of the College of Arts and Sciences department of speech, is being circulated widely among speech pathologists in the United States and Great Brit- ain.

The pamphlet sets forth a method for correcting the "Tongue Thrust Syndrome," which many children develop by thrusting the tongue against the upper front teeth while swallowing. The tongue thrust causes protrusion of the tongue, often resulting in what is called an "open bite." The pamphlet sets forth a method for correcting the "Tongue Thrust Syndrome," which many children develop by thrusting the tongue against the upper front teeth while swallowing. The tongue thrust causes protrusion of the tongue, often resulting in what is called an "open bite." Straightening the teeth can correct the dental problem, but the patient must also learn to swallow correctly, according to Dr. Tarr. The orthodontist and surgeon will describe how to use the special tongue appliance and therapy that will teach the patient to use the tongue properly.

The faculty will present a review of the Journal of the American Dental Association which contains many articles on the theme, "Adolescent Dilemmas - The Difficulties of a Nursing Institute." They will discuss the problems of the nursing student and the nurse in the field of adolescent health care.
Sir:

I saw your “Flight of the Pedestrian” editorial and agree with everything you said and could add about other plights in peaceful Loma Linda.

We live here enjoying, but are uneasy about the traffic hazards we encounter. We feel safer on the freeway because of many cautions and directions to newcomers. It tells one how far off to an exit and the speeds.

The hazard at Anderson and Stewart streets is a real one. The speed limit signed in the bush is 25 miles per hour. It probably was placed there before the overpass was erected, and before Gentry Gymnasium was built. The distance from this speed limit sign to Anderson is short, with the speed limit as 10. One gets in the left lane before entering the exit. That means you must make a 10 mile per hour sign significance.

Warming to Gentry Gymnasium should start at Mound and Anderson streets, and the proper lane to follow. We should remember there are many aged drivers in Loma Linda who are not too alert. I was caught in the trap mentioned above and was halted into court. I was told to plead $9 fine. I was told to please my grievance before the planning commission. Let a fine or so of us do just that, and also air other hazards, too.

One more hazard I would like to complain about is Loma Linda’s other highway, Prospect Avenue. My wife and I live just off that street on Poplar just off the hill. The way to the store by foot has no sidewalks most of the way. Cars are parked on both sides of the street. In dodging around these cars, one cannot be very careful to watch for oncoming traffic.

To enter the shopping complex, a driver another mile speed limit.” On coming Anderson Street, a 20 mile per hour speed limit. Last Tuesday, the first of three units on the ninth floor to be opened, was held.

The other two units will be completed later this summer.

Joseph Sell waits for a glass of water being poured by Richard L. IvJarlais, SD©70, and G. D. Funk, SD©70, with “Biological Impression Technique.”

No exhibits from a half-dozen other institutions were presented at the annual meeting of the California Dental Association. One hundred and thirty-five students presented scientific exhibits at the annual meeting of the American Dental Association last weekend.

Representing the School of Dentistry at the scientific exhibit of the annual meeting of the American Dental Association last weekend.

Eight Loma Linda University School of Dentistry students presented scientific exhibits at the American Dental Association meetings last weekend.

The Veterans Education and Training Amendment Act of 1969, enabling veterans to enroll in a curriculum leading to a degree, certificates, or vocational training at any college, vocational school, or trade school, is a key service to veterans. The measure was signed into law by the United States Congress March 26, 1970, the measure provides for increases in scholarship benefits for veterans and co-designers Kenneth W. Stilts, SD©70, and Robert P. Mohr, SD©70, took second place during the same competition.

New bill provides veterans with more educational benefits

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Two years ago, Ritch W. Christiansen, SD©70, completed a positive living class in 1965 and is now coordinator of the program, because an outstanding counselor, selling $250-worth books and winning seven converts in one summer. Last summer Mr. Christiansen, who is education, was the top student counselor in the Pacific Union, was given nearly $7,000 worth of books.

David F. Lim, AS©72, a chemist at Hancock College, is a strong believer in the program. He plans to remain in America, he said to sell $3,500 worth of books last summer. With only three weeks to go, he had sold $1,300 worth but still had $2,400 more to go before the deadline. His student counselor for the “Positive Way” to be among the most the “Positive Revolution” the organized student council, campus, revolution has carried out near campus, on the “big week” push. The last years, determined that it provides a strong foundation for the other student councils that promote the Christian spirit, including the overseas missionary program and the Action program.

The seven-week courses are available to any student who wishes to talk with a dentist teacher for each five students. This year, the program’s goals are aimed at involving individuals. Much of the program’s effectiveness lies in its ability to face-to-face visitation of teachers, team members and students with individual. The program is a faith-based, a theoretical approach, according to Mr. Christiansen, the laic, but has a working religion at La Sierra. “This is a practical, experimental program,” Mr. Christiansen, given help to two victorious College without a doubt.

Changes are taking place in the “Positive Way.” Many students testify that the program has made a difference in every sphere of life.

Other changes are even more spectacular because they touch the deep-seated moral attitude of a positive way. A non-Christian student in the seven-week course last recent sessions, and a senior theology student testified that he had, for the first time atten the living connection with Christ. That was a fruitful change for him as evidenced by the fact that a fellow worker with whom the senior had been studying the Bible was converted and baptized.

Top student counselor

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Face of the paper

—Photos by Ronald M. Sterling, SM'72
ASHLEY HALE, senior vice president of the Robert Johnson Foundation, Los Angeles, a consulting firm, explains one of the master planning phases of Loma Linda University to the chairman of the four task forces in a meeting held last Monday on the Loma Linda campus. Listening to Mr. Hale are, (left to right), David J. Bieher, president of the university; Reinhold R. Bietz, chairman of the University Trustees; George H. Nelson, retired administrator of Kettering Medical Center, Kettering, Ohio; William J. Blacker, president of the Pacific Union Conference of Seventh-day Adventists, and Lowell R. Rasmussen, PhD, education secretary in the Pacific Union Conference.
Rats become drunkards

Nutritionists study food-alcohol relationship

In a long-term study of the effects of alcohol, rats which may have on the consumption of alcohol, nutritionists have learned that the Public Health are now acquiring data on why about 80 percent of the males in the United States who drink are heavy drinkers. They are tentatively concluding that the craving for alcohol in some or the animals may come from a chemical imbalance created by the inadequate diet. About 20 percent of the rats on the inadequate (teen-age) diet for some genetic reason did not become drunkards. But the Loma Linda investigators report that even if the rats later trained to drink even more heavily, the rats which took the rat on the inadequate beverage died in drinking to sweetness and diluted—to thus changing it into a kind of cocktail for them.

Albert Sanchez, DrPH, assistant professor of nutrition, and U. D. Register, PhD, professor, and two associates from the School of Medicine, are organizing a session for the American Institute of Nutrition, at Atlantic City, New Jersey, with the Federation of American Societies for Experimental Biology, they have demonstrated another experiment that it was the alcohol and not just the sweetening this 2 percent learned to like. Half of the rats which by means of "cocktails" had been trained to drink a 240- proof alcoholic solution were switched to a well-balanced diet. Their alcoholic consumption dropped to one-tenth to one-fifth of what it was, despite the availability of sugared alcohol. The rats which continued to drink a moderate amount of alcohol, there is a close relationship between about 80 percent of the drinking to the "teen-age diet." 

"Significance of Sex" is the subject of a seminar to be conducted by Linda, sponsored by the University Church of the Bible study, Loma Linda. Next Sunday, E. Harold Turner, M.D., coordinator of the series, will discuss marriage topics with young couples.

A four-week series entitled "Meaningful Marriage," began this week with an hour and a half discussion on marriage topics. The meetings are geared for men and women. The speakers at the series, sponsored by the University Church of the Bible study, Loma Linda. Next Sunday, E. Harold Turner, M.D., coordinator of the series, will discuss marriage topics with young couples.

The program of exchange between the two institutions, is the only two universities in the Seventh-day Adventist denomination.

Two students from Andrews University, Berrien Springs, Michigan, have been invited to the Loma Linda campus for a five or six day visit as part of an annual exchange program between the two institutions.

Students Thomas L. Dybdahl and Rudy Torres, accompanied by James C. Cox, professor of New Testament and Andrews University Theological Seminary, will be visiting classes, clinic, laboratory, and conference on their stay. They will conduct formal and informal conferences with the students and faculty of Loma Linda University.

Next week, a delegation of students from Loma Linda University will visit the seminary at Andrews University, conducting similar activities to those of the men visiting this week.

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Session schedule for summer school is announced

Registration for the summer session is scheduled for June 21 at the Student Center. Classes will begin the first time the next day, accredited for the summer semester ending June 22, 1970.

The first six-week session will end July 31; the eight-week session will continue until August 13; and the special six-week session for those students who cannot finish the fall term will be held August 13 to August 26.

Two special seminars, with the inductive dates, are school sessions. July 26 to August 3; teaching of religion, August 3 to August 10; teaching of biology, August 4 to 13; science educators, June 22 to July 3; teaching in the middle grades, June 22 to July 3; and school plant planning, August 4 to 13.

Applications for the homecoming were submitted to the Loma Linda University, 2015 Ramona Ave., Loma Linda, California 92354.

Two Key People Needed

California, registered medical laboratory technologist and California licensed medical technologist, are Now Eligible — Senior Medical and Dental Students, Interns and Residents.

Applications are being received as department heads in a clinical and superintendent.

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University scientists urge adoption of new childbirth method to protect unborn infant

by Louise L. Herrleksen

A research finding which could change present procedures to childbirth and the equipment of delivery rooms was reported in New Orleans, Louisiana, last week, by University physicians at a meeting of the Society of Gynecologic Investigation.

Their study has shown that the usual position of the prospective mother in the delivery room—lying on her back with her legs stripped to table stirrups—could in some cases be harmful to the unborn baby.

According to Gordon G. Power, MD, assistant professor of gynecology and obstetrics, and Lawrence D. Longo, MD, professor of gynecology and obstetrics, this position has a tendency to raise the prospective mother's blood pressure in the critical area of the placenta. The reason is that when she lies on her back the heavy weight of her womb, holding the baby, lifts back and presses on her largest vein located behind the womb, the inferior vena cava, which is the vena cava for the legs and lower torso.

In some women whose circulatory system is particularly susceptible to pressure, the effort is to clamp off the blood from the legs to maintain the baby and prevent it from getting back to the heart. The mother's blood then starts backing up into the other blood vessels, as behind a floodgate, until it raises the pressure in the maternal vessels of the placenta. These disturbed fluids then turn in press on the baby's blood vessels in the placenta. If their pressure is great enough, they force shut the umbilical circulation completely off or reduce the supply of oxygen and nutrients to the baby and receptors from the mother's blood. The full flow doesn't always return to the placenta's vascular system, as a result of the cut-off, buildup enough counterpressure to force his arteries open again.

"Sluice flow"

This end-on-end pressure and counterpressure between the maternal and fetal circulation and "sluice flow" mechanism, as the Loma Linda scientists term it, has never been reported before. Until now it had not been realized that the mother's blood pressure could affect that of her unborn baby, because the two blood flows always remain separate and independent. Blood flow in the maternal system passes by the fetal blood in the placenta, and the fetal system obtains nutrients from it, but neither vessel nor the mother's circulation ever mix.

Dr. Power and Longo found in the placenta a fact a normal, self-regulating mechanism, which probably operates even when the prospective mother is upright and with the fetal vessels closed, and then immediately reopens the fetal blood flow in different parts of the placenta—perhaps in order to distribute oxygen and nutrients evenly throughout the fetal intake system. But when a pregnant woman's rear term lies on her back, especially if her blood vessels are vulnerable, the pressure on her great vein may be much more than can be taken of by the normal mechanism, but the fetus gets less of the vital oxygen and nutrients needed for sustenance and growth. A period of more than a few minutes could seriously affect the baby—especially the baby of a woman already troubled by high blood pressure.

Heart rate slows

With the advent of fetal monitoring (a new technique for observing the baby's eletricogram before birth), it has been found in many cases, for example, that the baby's heart rate slows down—a sign of fetal distress—as the mother lies on her back.

To treat the problem, the Loma Linda team has been working on a simple device which they believe may be a swtich position or sitting on a "birth stool"—positions which these scientists say are also good for the mother's blood flow. Women of primitive societies in Africa and other parts of the world give birth in a squatting position or sitting on a "birth stool"—positions which these scientists say are also good for the mother's blood flow. Women of primitive societies in Africa and other parts of the world give birth in a squatting position or sitting on a "birth stool"—positions which these scientists say are also good for the mother's blood flow. Women of primitive societies in Africa and other parts of the world give birth in a squatting position or sitting on a "birth stool"—positions which these scientists say are also good for the mother's blood flow. Women of primitive societies in Africa and other parts of the world give birth in a squatting position or sitting on a "birth stool"—positions which these scientists say are also good for the mother's blood flow.

Continued on page 7

SD Century Club to host buffet lunch

A new location has been chosen for the School of Den- tistry Alumni Association Cent- ury Club meeting on Monday, April 37, according to Ernie A. McDonald, SDC, Century Club president.

The Century Club members will meet at 11:30 a.m. in the grand lobby of the Anaheim Convention Center for a buffet lunch. The location was changed from its usual meeting place during the Southern California Dental Convention.
Don’t distort the truth.

Yamaha’s unique new Natural Sound Speakers refuse to boom, shriek or break up. That’s because they’re not based on the piston motion concept of conventional cone speakers. Instead, they look and work like a planar sounding board. They produce bending motions of sound. Omnidirectional sound rather than tunnelized sound. Natural Sound rather than distorted sound. Come in and hear yourself. We’re not exaggerating.

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Five students win music scholarships through auditions

Five La Sierra campus music students received awards at the 12th annual Glendale scholarship auditions.

Two students who won $125 scholarships are Marguerite M. Loehr, junior music major, piano, and H. Elaine Seals, sophomore music major, piano. Martha A. Bierds, sophomore music major, bassoon; Joelle M. Gourley, senior music major, piano; and Flora J. Rosser, sophomore art major, vocalist, each received $50.

The scholarships were sponsored by the Glendale Adven-
tine Music Guild.

Pesticides

Continued from page 1

system for a longer time and produce its toxic effect.

The film series called "Civil-

ization," which shows in color the development of Western man through his artistic contribu-
tions, written and narrated for the British Broadcast-
ing Corporation last year by Sir Kenneth Clark, English art historian, will be shown at Loma Linda University this fall starting October 18.

The series is being co-sponsored with the University of California at Riverside, and more specific details regarding time and place will be announced later.

Sir Kenneth has traveled 80,000 miles through 11 coun-
tries to make the series of 13 films. His idea was that "the

series should not just be a Cook's tour of the greatest art
museums, monuments, cities, and places of Europe and
America, but a visual account of Western man's entire pag-

esis to make the series of 13

and philosophy under Charlemagne to

philosophy under Charlemagne to the heroic materialism of to-
day."

Belief in humanity

Sir Kenneth says that what he hopes people will get from it "is a belief in humanity with all its short-comings, a belief in a balance of intellectual and emotional faculties, and a be-

lief in man as a whole."

The series has been shown in major art galleries across the country recently. Critical reviews have been unusually enthusiastic. The first showings in southern California will be at the Los Angeles County Art Museum and at the University of California at Los Angeles.

Alumni set 1971 "homecoming" date

The La Sierra alumni home-
coming weekend for 1971 is already set for February 25 to 28, according to Robert E. Lorentz, MD, president of the La Sierra College Alumni As-
sociation.

The dates were announced at a postmortem session held March 14 to critique the re-
sults of "Kaleidoscope 70."

Civilization of Western man is explored in documentary

Parkview Professional Building — Parkview Hospital Grounds, Brunswick, Maine

Excellent opportunity for physicians and dentists in one of the fastest growing areas of Northeastern United States. Professional personnel in most specialties needed. Professional Building with eight large suites to be completed by March 1. Located on the grounds of Parkview Memorial Hospital. Ten grade school in the area. Church (Membership 200) within one block. For more information concerning the possibility of establishing a practice in this beautiful and temperate section of the Northeast, please write to: The Administrator, Parkview Memorial Hospital, Brunswick, Maine, or call collect — 207-725-5547.

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9 to 5 Mon.-Thurs.

9 to 2 Friday
Public health professors assist with Filipino health crusade

The Better Living Crusade, a health and religion lecture series, directed by professors from the School of Public Health, recently concluded a 17-week program in Davao City, the Philippines.

Dr. Elizondo, the lecture series coordinator, and Dr. Boyac, editor of The Ministry magazine and chairman of the Missionary Section of the Ministry of the Philippine National Council of Churches, the extension school of State College, Northridge, was the lecturer for a study-in-study course in the area of Davao City. As president of the University of the Philippines in the area of Davao City, the Philippines, he was the first to meet with the students.

The students were divided into two groups and the health education department presented topics on religion and health.

Dr. Elizondo and Dr. Boyac are both members of the Department of Health Education and Public Health, respectively. They have been residents of the Philippines for several years and want an equity buildup when they leave... Ask for E. J. Miller, Broker.

Dental specialists needed in Fontana, California. Professional building for sale or lease. In good location. Low rent. Reasonable man for an investment. Please contact Mr. Hamilton. A 25 percent rental increase is anticipated next year.

The Better Living Crusade is a health and religion lecture series directed by professors from the School of Public Health, which recently concluded a 17-week program in Davao City, the Philippines. Dr. Elizondo, the lecture series coordinator, and Dr. Boyac, editor of The Ministry magazine and chairman of the Missionary Section of the Ministry of the Philippine National Council of Churches, the extension school of State College, Northridge, was the lecturer for a study-in-study course in the area of Davao City. As president of the University of the Philippines in the area of Davao City, the Philippines, he was the first to meet with the students.

The students were divided into two groups and the health education department presented topics on religion and health.

Dr. Elizondo and Dr. Boyac are both members of the Department of Health Education and Public Health, respectively. They have been residents of the Philippines for several years and want an equity buildup when they leave... Ask for E. J. Miller, Broker.
Professors return from Louisiana leprosy seminar

Herschel C. Lamp, MD, and Albert S. Whitting, MD, both assistant professors of tropical health, recently attended a seminar on leprosy at the United States Public Health Leper Hospital in New Orleans, Louisiana.

The seminar was jointly sponsored by American Leprosy Mission Incorporated, and the United States Public Health Service. It offered a comprehensive review of all aspects of the present-day understanding of leprosy.

Many students who come to study in the School of Public Health do so to avoid the world where leprosy is a problem. Although still relatively uncommon in the United States, leprosy does occur in this country and is more common than it was 10 years ago. Authorities anticipate that the disease will occur among returning soldiers from Vietnam.

The United States Public Health Leper Hospital in Louisiana houses 300 patients.

Positive living

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ambiguity fund is derived from gifts made to the La Sierra Seventh-day Adventist Church by graduates of clinics throughout Southern California.

So far the program has spread to Southern Missionary College, where two La Sierra transfer students are now carrying on their second series of “Positive Way” sessions. The series was introduced on the Loma Linda campus this spring. Pacific Union College, Angwin, and the Northern California Conference representatives have met with Mr. Laue to inquire about the possibility of a program at Pacific Union Colleges.

Mechanical approach

La Sierra campus chaplain Oakser has told some people “that the program is a mechanical approach to religion—that all one has to do is plug in the right formula and cut off the answers.”

“There may be some valid questions regarding the theological implications of this program,” he added, “but I’m not going to knock the program, because I see very real changes taking place in the lives of these young people. I have never seen a personal witnessing program more effective.”

Earth day marks fight against all forms of pollution

“Earth Day,” a presentation on the need to fight against all forms of pollution, is scheduled for April 22, 1970. The program will be set for the Fellowship Hall at La Sierra Seventh-day Adventist College. Loma Linda, beginning at 12 noon. Environmental pollution experts will speak at the two sessions, one set from 1 to 2 p.m. and the other from 7 to 8 p.m. Accommodations of things which they believe need doing to fight pollution. Each program will have a different emphasis.

Coping with the pollution problem, Harold, an ecologist, will be released to illustrate the wide variety of pollution problems which can occur from a single source. One of the belchers will fill with helium and sent aloft with a self-addressed envelope which states that the letterer send the envelope back to Loma Linda reading the date and location of the finding.

Alcoholic rats

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Evidently some dietary factors are associated with leprosy. The deficiency of alcohol dehydrogenase in the rat’s teen-age diet was supplemented with vitamins and minerals, although this group did not drink alcohol. Those whose diet was not supplemented, nevertheless drank more than the control group on the good diet.

The researchers find, whether by heavy drinking the rats acquired a taste for alcohol, or they were unable to use alcohol in their systems, the investigation demonstrates the need for an alcohol dehydrogenase in the rat’s liver. This is the enzyme which metabolizes the alcohol, breaking it down into substances which can be converted into fats or energy. They found that the rats on the good diet had 45 to 70 percent more alcohol dehydrogenase enzymes either of the two groups on the control diet.

Alcohol damages liver

The damage is so severe that damaged was caused by the Loma Linda research. Large fatty changes were noted in the livers of the group 1 rats; moderate amounts were found in the group 2 rats; and only slight amounts in the livers of the control rats. This is the pattern which metabolizes the alcohol, breaking it down into substances which can be converted into fats or energy. They found that the rats on the good diet had 45 to 70 percent more alcohol dehydrogenase enzymes either of the two groups on the control diet.

The finding.

In effect, the heavy drinkers have a decreased capacity to metabolize the empty calories in the alcohol. The deficiencies created by poor diet and drinking combined, the investigators theorize, lead to an uncontrolled diet, the empty calories, and the drinkers to a disordered metabolism. They do not see alcohol as an attempt to overcome or anesthetize this discomfort.

The authors of the paper, in addition to Drs. Osborne and Sanchez, are Marilyn Johnson, William A. Edwards, and Claude T. Thurston, PhD, evergreen representatives, and the School of Public Health.

Rehabilitation of the handicapped campaign

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The goals of the Rehabilitation of the Handicapped Campaign are to raise funds to make occupational therapy available to girls and boys who care.

People who really want to