



11-1965

## Contrangle - Vol. 7, No. 3

Dental Students Association

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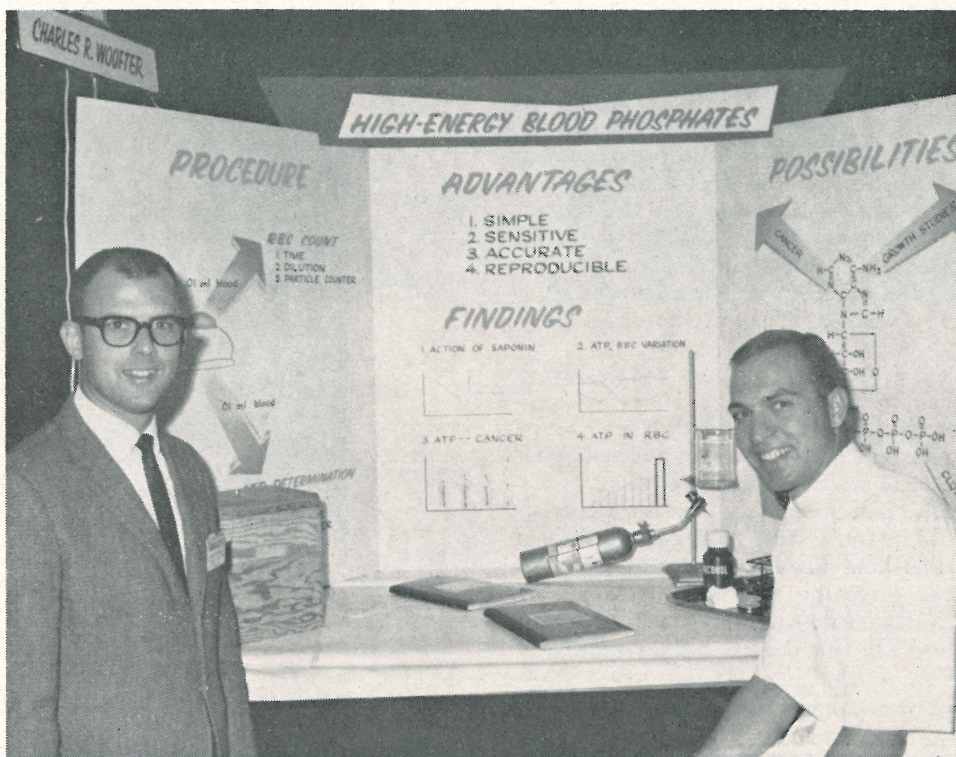
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## Success at Convention



George Lyman and Chuck Woofter reflect satisfaction in winning first prize at national contest.

A research exhibit, "High Energy Blood Phosphates," has won first prize in a national scientific competition for two Loma Linda University students.

Charles R. Woofter and George E. Lyman, both seniors in the School of Dentistry, entered their project in the student table clinic competition sponsored by the American Dental Association at their annual session in Las Vegas, Nov. 7 to 11.

Mr. Woofter, presenting the exhibit for the pair, competed in the basic science and research division against 21 students from dental schools across the country. Twenty students entered projects in the clinical application and technics category which was judged separately.

Competitors were evaluated by a panel of three judges on personal appearance, poise, and speaking ability, and

on the originality, practicability, and application to dentistry of their table clinics.

The Loma Linda students were selected to represent the University in an intra-school competition at the School of Dentistry Alumni-Student Convention last March.

This year's first-place award marks the fourth consecutive year in which Loma Linda University's entry has placed among the top three in the national judging.

In 1962 John P. DeVincenzo, SD'64, received second prize; Donald D. Jeffries, SD'64, won third award in 1963; and Larry V. Smith, SD'65, received second award in 1964.

The student table clinic competitions at the American Dental Association meetings are sponsored annually by the Dentists' Supply Company, York, Penn.



# EDITORIAL

Hear a parable this day: A certain freshman dental student was on his way to a successful profession just fresh from the rigors of college when he fell among mischievous students, who questioned him, taunted him, and went off letting him believe that he was not long for this world of carvings, anatomy, and cram sessions.

Now, it so happened that a medical student passed this dental student's room during his hours of darkest despair when all seemed lost and he sat bemoaning his fate, but this member of another society did not fully grasp the gravity of the situation and passed by on the other side of the hall too engrossed in his results of the last Pathology exam. So, too, a dental student who is near the end of his days at the grind of lectures, labs, and late assignments came to the place where this poor student fretted about his future, but having no compassion in his heart passed by with an air of superiority to his next clinic appointment. But a "big brother" dental student who also has his daily problems in making this journey through uncertain spots in each week came upon this distraught student in his utter confusion and torment, and when he saw him a feeling of pity and a desire to help went out of his heart for him.

He went into the depressed one's room and answered his questions and showed him the next step in an assignment. He assured this troubled student that any threats to his sure place in school were unfounded and bandaged his wounded pride and bathed his sores of severe initiation. Then he carried him through the next few weeks of trials and tests until he could see his way clear to follow the example of this kind student. The next day this thoughtful student counseled with his superiors and pleaded with them to look after this new student until he was able to take his place with the rest of those successful in his profession.

Which of these three do you think was the right influence to this beginning student who fell at the hand of a well-planned but "harmless" attack? Which of these three are you determined to be? Be like the one who showed kindness and go on from this day henceforth remembering that one day your chance will come to help a struggling student below you. Take that opportunity. You'll be that much bigger a person.

RLR

d.s.a.

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# Project Hope

## DSA - - NOV. 18



Project HOPE—Health Opportunity for the People Everywhere—observed its fifth anniversary on September 22. The *S.S. Hope*, the teaching hospital ship, operated by Project Hope, concluded her fifth tour of service in August, in Africa, and headed for Philadelphia, where she will be outfitted for her sixth voyage. She will sail January 6, 1966, for Corinto, Nicaragua.

Having spent time on the *S.S. Hope* while it was stationed in Peru and in Africa, Doctor Nichols has had the opportunity of seeing and working in some of the new developing countries of the world. This has been a rare opportunity to absorb some of the social and political feelings of these countries.

Doctor Ervin E. Nichols, SM '42, practices obstetrics and gynecology in the Pasadena area. He graduated from the Port Angeles High School, Walla Walla College in Washington and the Loma Linda University School of Medicine. He is an active member of the Huntington Memorial Hospital Staff where he does the bulk of his work. He is the past chairman of the Department of Obstetrics and Gynecology at Loma Linda University where he served for eight years and is now acting in the capacity of Clinical Professor.

*Continued on page 6*



## The 1965 Dental Students Conference On Research

By LEE OLSEN

Most epidemiological studies indicate caries to be much less a problem than periodontal disease in most national groups. The periodontal disease levels generally are higher than in the United States, according to NIDR studies in Lebanon, Burma, and Vietnam. Even in the United States, however, periodontal disease causes more tooth loss than decay. By age 50 nearly fifty per cent of Americans have developed this disease.

A submaxillary virus has been found to be carried in germ-free animals. It is too early to say what role this latent virus plays.

NIDR geneticists have found twelve different chromosomal abnormalities associated with conditions exhibiting oral lesions.

The students and the scientists from the National Bureau of Standards and the NIDR were hosted in the evening to a reception and buffet at the International Inn, the conference center.

Current dental research programs in the NIDR, at schools and institutions, and in industry, were the topics presented the following morning. New knowledge attained from electron microscope studies of enamel crystal and rod structure was presented.

"The Effects of Ultrasonic Energy on Amalgamation" was the topic of a physical science lecture by Dr. Robert Hochmann of Georgia Institute of Technology. He noted that the problems in amalgamation center on how to produce greater diffusion in the various alloys. Ultrasonics may provide an alleviation of this problem; however, the optimum frequency must be determined, as some frequencies may kill tissue. Another possible application of ultrasonics is in improving silicate properties, because it can increase the hardness and strength in the gel area up to 75 per cent.

Dr. Malcolm Johnson of the University of Toronto gave a biological science lecture on "Studies on the Normal and Abnormal Embryological Development of the Face." Cell migrations, which are massive in all vertebrates, are studied with the use of tritiated thymidine labeled cells, tissue transplants, and pigmented ectodermal tissue migration into mesoderm. It was significant that neural crest cells participated in the formation of odontoblasts.

A clinical sciences lecture, "Genesis, Execution and Analysis of a Clinical Drug Investigation" was presented by Dr. Stanley Harris from Northwestern University Dental School. It was stressed that the confidence of the operator is an influential factor on the production of analgesia. The key to success for local anesthesia, he stated, was gentleness with less than 1 cc. Missing the target accounts for most failures. All-glass ampules are recommended, as afterpain at the injection site may be

due to leeching into the solution for harmful ingredients from the rubber plungers. Other causes of afterpain are dull needles, hooked needles and vigorous injections.

The morning of the third conference day I spent in Sabbath School at the Takoma Park Seventh-day Adventist Church. Later I enjoyed a sermon by William Loveless at the Sligo Church on the Columbia Union College campus. Meanwhile, the other dental students were being briefed on scholarships, fellowships, and traineeships. The Graduate Training Grant Program supported by the NIDR has numerous opportunities available to persons interested in research and academic careers in the basic and clinical sciences related to dentistry. The NIDR also supports research training in the basic and clinical dental sciences through Public Health Service Fellowships. The relative lack of attention accorded oral disease in the past, compounded with the complex etiologies of these diseases, makes dental research opportunities abundant.



One might ask the question: Why, in view of the accomplishment of modern dentistry, is such an intensive research program under way? The majority of Americans continue to suffer from untreated dental ills in spite of the \$2 billion annual expenditure, a sum equal to that research required to develop the atomic bomb. The 225 million Americans of 1975 will be able to seek treatment from only 109,000 dentists. These factors, namely, the almost universal prevalence of oral disease, a proportionately greater expanding population than dental personnel and dental education, and the high cost of treatment, comprise the current challenge to dentistry. The knowledge required to effectively treat all dental disease can be met only through dental research. Increased financial support and additional well-prepared investigators are required to elucidate the etiology of dental disease, to develop better material and methods to insure permanent results and to establish effective preventive measures. Dental research is linked to the great advances being made in the biomedical field, advances to provide all Americans and mankind everywhere with a common fundamental need, freedom from disease.

*(This is Part II in conclusion of a special report by Loma Linda's student representative.—ED)*



## FOREIGN GRADUATE STUDENTS

We are happy to have in our midst this year five students studying in different post-graduate fields from countries other than the United States. This is a step in increasing the sphere of influence Loma Linda University Dental School is developing in dental circles both at home and abroad.

From the Philippines originally comes Dr. Betty Chang. She says her native home is actually China but she received her doctor's degree from the University of the East in Philippines. Her chance for coming to this country to further her studies occurred when she met Dean Smith this past summer on his tour of the Far East. Dr. Chang has a special interest in the field of prosthetics and is pursuing courses in complete dentures and removable partial dentures. She is enjoying the practical application of the work here as most of her training in the past has been much of the theoretical aspect. When asked what she planned on doing after leaving Loma Linda, she replied, "I will go back to Free China and help my countrymen. At the same time I am very willing to share all the knowledge and skill I have learned especially those techniques I have acquired while at Loma Linda."

Another member of this team of foreign ambassadors comes from Thailand. Dr. Som Isarabhakdi, or just plain Dr. Som as he is known to his classmates, received his degree in dentistry in his native country. He has come to Loma Linda to further his interest in oral reconstruction. His quiet and mild manner is a distinct asset to the classes he attends with the Juniors. Maybe they can learn something from his professional conduct.



LEFT TO RIGHT: DUMITRIU, ISARABHAKDI, ANTIN, CHANG, ALIAGA.

Now from the opposite side of the world comes a product of Rumanian soil. Dumitriu Nicolae desires to earn an American DDS degree and practice dentistry in this country. His particular satisfaction comes from doing research at which he has already spent two years previous to coming to Loma Linda working at Harvard Dental School in Boston, Mass.

From Spain comes a team of dedicated and educated men. Drs. Ramon Antin and Emilio Aliaga have both earned degrees in the fields of medicine and dentistry. Their main topic of study at present is in the field of prosthodontics. After completing their courses here they will return to private practice in Valencia, Spain.

Certainly each of these individuals deserves our applause and commendation for the desire to improve themselves in the field of dentistry. We want them to feel welcome while they are here and to feel free to call on any of us for assistance. Take the time to meet each one of these interesting individuals and perhaps you will learn from them even as they are here learning our methods and practices.

### Freshman-Sophomore Picnic

*(An unbiased article by freshman Cliff Moberg.)*

The important date of October 21 had almost arrived—the day of the sophomore sponsored picnic for the freshman dental students.

Frank Ordelheide, sophomore dental social chairman, added tension to the up-coming day of sporting events by making a "gentleman's agreement" between the two classes, that two boxes of apples would be given to the winning class by the loser. No dental classes were held the afternoon of the picnic, so the games began right after lunch. The sophomores quickly racked up victory after victory in tennis, ping-pong and volleyball. The score stood 320 to 0 accumulated points. There was only one conclusion to make before the football game started—that an extra year of dental studies made a better athlete out of a student. (Remember how the Senior football team beat a combined Junior-Frosh team?—and then, just think of what could happen if the post-graduate students took on the four classes!)

After the flags and ice water were brought out to the field, the game got started and in no time the sophomores were leading 20-12. The stars on the sophomore team were Bob Perry and Bill Holderbaum. The fantastic freshman team, Bill Scott, Jack Hockin, and Frank Ballard scored a much needed twelve points. When the third quarter was over, the score in favor of the sophomores made them look like they would win the game, and its 250 accumulated points. Bearing this dire possibility in mind, the freshmen started into the fourth quarter, but nothing much happened until the last three minutes of the game. Ballard's Boys knew it was now or never

*Continued on page 6*





# CONTROVERSY



## A DENTIST AND HIS MILITARY OBLIGATION

A controversial and timely issue of late has been the responsibility of a dentist after graduation to his obligation in the military. The past few weeks have presented opportunities for some to interview and listen to representatives of the different military services. This subject is of prime importance to seniors, but we thought those of you who have not been exposed fully to this yet might like to be planning for the coming years.

In a recent personal letter from the American Dental Association they stated, "The basic military obligation of dental students is no different than that of any regular registrant under the Universal Military Training and Service Act. If deferred because of pursuing a course of advanced education, the registrant is liable up to age 35. The same applies to a dental graduate. The distinction lies in the type of liability and the method of exercise. Dental *students* are liable for induction as regular registrants and, of course, would be called merely to meet a requirement for increased troop strength. Dental registrants, on the other hand, are called only to meet a requirement of the armed forces for additional dental officer strength. In addition, they are commissioned at the minimum rank of captain and cannot be used in any capacity other than that for which they received their professional training and licensure."

In a brochure intended for seniors it mentioned several highlights of interest to each of us. "The Department of Defense has asked the American Dental Association to obtain the information needed to implement the Armed Forces Reserve Dental Officer Commissioning Program. The purpose of this program is to give the dental student who is liable for military service after graduation a reasonable opportunity to be commissioned in the military service of his choice and to enter upon active duty at a time mutually convenient to the student and the military service.

The allocation by the Department of Defense of dental students to the military services is based upon the requirements of the military services. During the fiscal year 1967, the Department of Defense has an estimated requirement of 1,512 of the 1966 dental school graduates. This represents about 47 per cent of the 3,223 graduates estimated to have a liability for military service. It is hoped that the needs of the armed forces for dental officer replacements can be filled by volunteers from the 1966 graduating class. If this does not occur, it will be necessary for the Department of Defense to request the Selective Service System to issue special draft calls to meet the deficit. Graduates who wait for a draft call must be prepared to enter military service at the time of the call even though established in private practice.

The first choice of service by each student will be honored to the extent possible. Students who indicate a desire to serve in the United States Public Health Service will not be allocated to a military department.

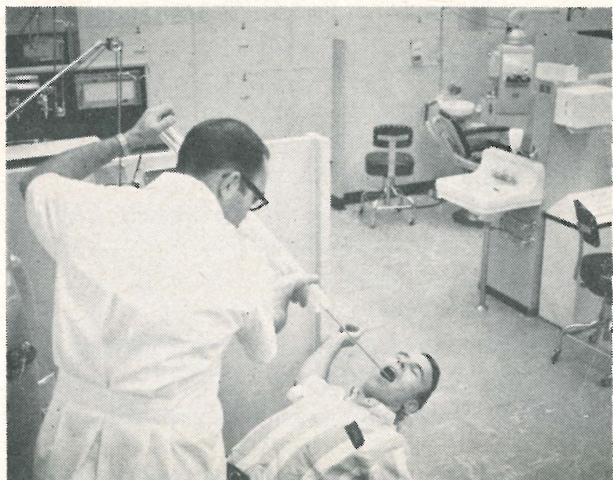
It should be noted that duty with the U. S. Public Health Service is a satisfactory substitute for military service *only* if a full 24-month tour is completed.

Under present Selective Service System policy, dentists are not now being called on "regular" draft calls, but are subject to induction on "special" draft calls, when needed. Dentists with dependents may be used to fill these special calls. Dentists classified IV-F as "regular" registrants will be subject to re-examination when called by Selective Service for induction as dentists. Under existing Selective Service System regulations, registrants are required to report the receipt of a dental degree within ten days following receipt of such degree."

DON'T FORGET  
WELFARE CLINIC

Breakfast 7:30 a.m.

SUNDAY, NOVEMBER 21



YOU JUST CAN'T TRUST THOSE SOPHOMORE DENTAL STUDENTS WITH A GUN!



## FRESHMAN-SOPHOMORE PICNIC—

*Continued from page 4*

—and, they started playing “professional” football. Bill Scott quickly scored, followed by Jack Hockin who caught two more touchdown passes. The game was over and the freshmen won 26-20, indeed a morale building victory which in their eyes overshadowed the fact that the sophomores won the day’s events with a total accumulated 320 to 250 points.

In the evening, over 200 people dined at the Academy Cafeteria. The bean tostados, strawberry punch, and ice cream for dessert were great—except for the fact that the sophomore cooks ran out of beans for the tostados when I was standing in line for my fourth serving.

Later, the freshman class president, Frank Ballard, turned over the two boxes of apples to the winning sophomores. The football victorious freshmen congratulate the over-all winning sophomore class for an enjoyable and relaxing day.

d.s.a.

## TABLE CLINICS

For those of you who still haven’t come up with an exciting or inspirational table clinic this year remember it’s not too late to get started. The following list of suggested topics has been culled from various sources and is included here for your consideration and inspiration. Perhaps they will not be fitting for too many, but we thought the more serious minded and dedicated student could use these as a springboard to greater heights in the scientific world. The dental school will not be responsible for any of these subjects presented and it is entirely up to the ingenuity and creativeness of the student to portray these without being disfellowshipped from the ADA Society.

“TOOTHBRUSHING PROBLEMS IN THE BALEEN WHALE”

“GAS FORMATION IN THE DICOTYLEDONOUS ALFALFA PLANT”

“FULL DENTURE PROSTHESIS IN TYRANNOSAURUS REX”

“EVOLUTION OF THE TREE NEWT”

RELATION OF THE AVIAN KNEE JOINT TO BYZANTINE ART”

“INTERPRETATION OF ABSTRACT ART IN FRUEDIAN TERMINOLOGY”

“CHRONIC HEMOPHILIA IN THE VAMPIRE BAT”

“MANIFESTATIONS OF PACHYDERMA ORALIS IN THE ELEPHANT”

So let’s get into high gear student clinicians and get those ideas on paper and work up a good table clinic. It is your clinic, and its successful presentation completes the whole picture of a successful convention. Remember the dates are MARCH 16-18, 1966. Hurry!

## JUNIOR GOLF TOURNAMENT

One October 24 the junior class held a golf tournament at Jurupa Hills in Riverside. There were 14 class members in the tournament. The Callaway Handicap System was used to determine the winner. The way the Callaway Handicap System works is that everyone plays his best game and according to the gross score you make it tell how many of your worst holes to subtract to give your net tournament score. This gives the poor as well as the good player a chance to win. Because of early darkness only 16 holes were played.

Three prizes were given away. One all-day sucker for the booby prize of high gross. Three new golf balls for low gross and a nice trophy for the low net from the Callaway Handicap System.

Richard Bietz won the new golf balls for low gross with a score of 75. His low net was 71. Herman Nilsson won both the booby prize with high gross of 114 and the tournament trophy with a low net of 70. The handicap scores ran from 70 to 77. Everyone had a wonderful time and the moral of this tournament is that all high scorers in the junior class should be sure and sign up for the next golf tournament.



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PROJECT HOPE —*from page 2*

The *S. S. Hope*, formerly was the *U.S.S. Consolation*. She was the first ship to receive battle casualties during World War II. She was taken out of “moth balls” in 1960 and lent by the U.S. Navy to the People-to-People Health Foundation, Inc. Renamed, she was put into service as a teaching unit through which the professional techniques used by medical and paramedical people in various parts of the world might be improved.

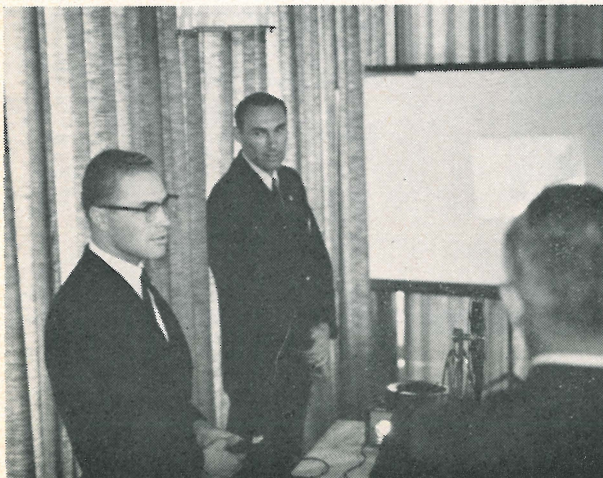
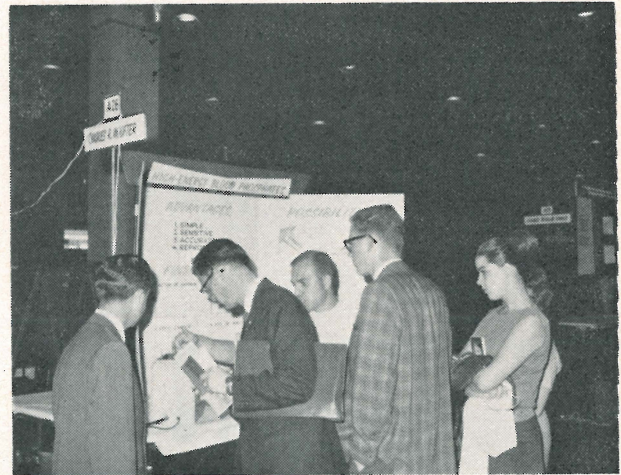
During 1960-61, while in Indonesia, the *Hope* faced opposition from communist groups that circulated false reports about the purpose of the project. In Peru, in 1962, placards with “Cuba, si! Yanqui, no!” greeted the ship, but a grateful throng of 45,000 were on hand to bid bon voyage when the ship completed the tour of service. Opposition also was encountered in Ecuador and in Guinea, but was successfully overcome.



# CONVENTION TIME

PALM SPRINGS, NOV. 3-6

LAS VEGAS, NOV. 7-11



**LEFT**

TOP—Hotel Riviera welcomes NASDAD guests and - - -? Who?

MIDDLE—Elder A. Graham Maxwell presented inspiring sermon Sabbath morning.

BOTTOM—Students Frank Baughman and Calvin Devnich present interesting highlights of summer trip to Mexico.

**RIGHT**

TOP—University of Washington student proclaims advantages of Loma Linda divestment.

BOTTOM—National convention first place winner—Chuck Woofert—goes into action as interested observers stand-by.



The need for dentists continues to increase as our conference membership grows. We invite you to come to live and practice in one of the areas of the Atlantic Union.

—F. R. Millard,  
President



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