

## WAR TIME ATHLETIC PROGRAM AT TECH

A thorough revision of the California Institute's athletic program to meet the special needs of war time has been announced by Institute authorities. Professor R. W. Sorensen, Chairman of the Division of Physical Education, stated that changes in the program are emergency measures, set up only for the school year of 1942-43, and subject to revision later as changing conditions may require.

Faculty discussions which led to recommendations for revision stressed the point that an adequate physical education program at the present time should provide the maximum benefit for the maximum number of students. As Professor Sorensen pointed out, "The Army and Navy have repeatedly urged the necessity of bringing the young men of the United States to the peak of physical fitness. These pronouncements emphasize the needs of the armed services. But young men who are preparing themselves for the battle of production, charged with the grave responsibility of increased industrial output for mechanized war, have an equally great need of getting themselves into the best possible physical condition. We must do everything we can to make sure that our students, whether they go into the armed services or into industry, will be physically fit to sustain their part in the national war effort."

To secure this result, the Institute's revised athletic program will place increased emphasis on intramural games and will include a greater variety of sports in intramural competition. The Faculty has approved revision of class schedules so that more and better time will be available for exercise and competitive sport. So that this general program can be carried out effectively by including every student, the Institute plans to add to its physical education facilities. The physical education staff will be enlarged so that supervision and coaching can be provided for the beginners in a variety of sports as well as for the men who are first or second team material; and where remedial exercise is needed, it will be carried on regularly under competent guidance.

Another important consideration in modifying the athletic program was the desire to follow official recommendations for civilian conduct in cooperation with the national war and defense effort. The two recommendations which most directly affect college athletic programs are those which urge the conservation of tires by every possible means, and the avoidance of any occasions for the congregation of crowds. As the intercollegiate

football can hardly be reconciled with either of these, Tech's fall schedule of intercollegiate football games has been cancelled. Other intercollegiate sports remain on the calendar, but they will be carried on only in so far as they do not run counter to defense requirements.

Dr. Robert A. Millikan, in commenting on the revised athletic program, declared, "This is an experiment. The Institute is committed to it only for the next school year. Later we may find that we'll want to go back to our former procedure. But for the present, a physical education program designed to include effectively every student on the campus, and to function in the main on the campus, is the only sensible kind of program to adopt."

## SUMMER COURSES, 1942

During the summer of 1942 the California Institute scheduled five full-time courses. These were all planned to supply trained personnel for various requirements of the national war program, and all were organized as a part of the Engineering, Science and Management Defense Training authorized by the United States Office of Education.

The courses given were Aeronautical Engineering, supervised by Professor Clark B. Millikan; Ultra-High Frequency Techniques, supervised by Professors R. W. Sorensen and W. H. Pickering; Basic Electric Circuits and Machinery, supervised by Professors R. W. Sorensen and F. W. Maxstadt; Aircraft Drafting, supervised by Professor H. N. Tyson;

and Topographical Map Drafting, supervised by Professor W. W. Michael.

The great majority of the students in Aeronautical Engineering were Navy officers assigned to take this work at the Institute in preparation for duty as maintenance, service, and supply officers at naval air installations. Similarly, the class in Ultra-High Frequency Techniques was composed mainly of Army and Navy officers sent to the Institute for training in this field.

The two courses in drafting occasioned a good deal of comment, since they were misinterpreted as representing a change in Institute policy. Both courses were given mainly for women students, since there is an increasing demand for women trained in both map and aircraft drafting. A good many people assumed that the Institute was admitting women to its regular courses. As a result, letters began to come in. One group of writers protested violently against this breach of ancient tradition. Another group congratulated Institute authorities on finally abandoning their anti-feminist discrimination and prejudice.

To quiet any possible apprehensions on the part of alumni, it should be understood that women students were admitted only to these two special summer courses; that these courses were given as part of the ESMDT program, and do not carry Institute credit; and that when the Fall term opens, ancient tradition or anti-feminist discrimination and prejudice—as you like—will continue as before.

## *Alumni Business and Professional Guide*

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## BRIDGE EXPERT IN LATIN-AMERICA

Neff E. Vasquez, '20, bridge and highway engineer with the Los Angeles County Road Department for 22 years, left recently for Central America to work on the Pan-American Highway. His knowledge of the Spanish language and customs of the Latin American people, and his brilliant record as an engineer, make Mr. Vasquez an excellent man for this job. Heading an advance guard of engineers, he will take the party into Mexico, as well as Central America.

One of Mr. Vasquez's outstanding feats during his career with the County Road Department was the construction of the spectacular Armstrong bridge on the Angeles Forest Highway. He had charge of excavations for the bridge and directed preliminary work for the footings when it was necessary to lead a crew of prison labor over a precipitous mountain trail. Later a tunnel was cut through the mountain and the highway pushed through to the bridge site. Mr. Vasquez remained as bridge engineer until the job was completed.

Mr. Vasquez has been active during the past year and a half in the County Road Department's fore-sighted plan of redesigning its structures for the use of wood, rather than steel. The Department will be ready to launch a large work program on this basis when the war is over and scarcity of steel will make use of woods imperative.

The annual Stag and Field Day was held Saturday, June 27th, at the Southern California Golf and Country Club in Monterey Park. The attendance was excellent, considering the fact that many of the alumni are in the armed forces and are stationed far away from the Southern California area, and many others are busily engaged in the war effort.

## CHINESE SCHOLARS UNITED IN MARRIAGE

Dr. Chia Liu Yuan, research fellow at the California Institute of Technology, was married in June to Miss Chien-Shiung Wu, in the gardens of Dr. Robert A. Millikan. Mrs. Yuan, who also holds a Ph.D. degree, is the daughter of one of the chief engineers for the Burma Road. Dr. Yuan is the grandson of Yuan Shih-Kai, China's first President in 1911.

In the absence of the bride's parents, Dr. and Mrs. Millikan made all wedding arrangements and served as sponsors for the bride and bridegroom, in keeping with a Chinese custom. Dr. Millikan escorted the bride to the garden altar, and Dr. Yuan was accompanied by Mrs. Millikan.

Guayule, lately in the news as a possible solution to the rubber shortage, was dramatized by experts on the "Unlimited Horizons" program. This program was produced by N.B.C. with the co-operation of the California Institute of Technology, and revealed some of the latest developments and possibilities of guayule rubber.

## PREHISTORIC ANIMALS BEING RESTORED AT CALTECH

Restoration of prehistoric animals is now underway at Caltech. William Otto, distinguished sculptor, has just completed restoration of a 100,000 year old capromeryx and a stockoceras, antelope of the pleistocene age. The stockoceras was named in honor of Dr. Chester Stock, eminent Caltech paleontologist, by Dr. Childs Frick, noted savant of the American Museum of Natural History, New York City. The remains of this animal was discovered in an ancient cave in Mexico. These Otto restorations will be used for classroom work, exhibition purposes,

and for exchange with institutes and museums.

Dr. Linus Pauling was elected president of the Pacific Division of the American Association for the Advancement of Science at the annual convention in Salt Lake City. Dr. Pauling was described as "the outstanding theoretical chemist in the United States, and probably in the world."

The Class of 1942 presented the school with a new bulletin board to replace the old blackboard in Throop Hall.

The character, Mrs. Day Adams Morganstierne, mentioned in Leland Stowe's book "No Other Road to Freedom," is the wife of Calla Morgenstierne, '33. At the time of the invasion, Calla's father was the Norwegian representative in Washington, D. C.

Donald O'Melveny, treasurer of the California Institute of Technology Associates since its organization, died on August 28th following an illness of several months.

Mr. Frederick W. Williamson, a member of the California Institute of Technology Associates, passed away suddenly in July, after being stricken by a heart attack while in his Los Angeles office.

Mrs. James E. Bell, wife of James E. Bell, Professor of Chemistry at the California Institute of Technology, passed away in July.

Professor Royal W. Sorensen has been appointed to the engineering division of the National Research Council for a three year term. The appointment was made by Dr. F. B. Jewett, president of the council, and former president of the Bell Telephone Laboratories, Inc.

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