

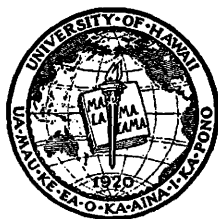
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*THE PRESIDENT'S  
REPORT  
1941-1942*



# THE REPORT OF THE PRESIDENT

## *To the Board of Regents:*

I hand you herewith the report of the work of the University for the year 1941-42.

President David L. Crawford presented his resignation on October 2, 1941, to take effect on June 30, 1942. In October, Vice-President Arthur R. Keller was appointed Acting President with an advisory committee, consisting of Dean Thayne M. Livesay, Dean Benjamin O. Wist, and Dr. Paul S. Bachman, to assist him. In June, 1942, I was elected President of the University, my duties to begin on July 1.

## THE UNIVERSITY AND THE WAR

In common with all institutions in the Territory, the University suffered severely from the effects of the Pearl Harbor attack. Our fall enrollment had been one of the largest in our history; by December 8, our students and faculty were absorbed in war activity or were thinking of life in terms of war. We held no classes from December 6 to February 2. The University functioned only as an agency of the military; some of our buildings were taken over; Hemenway Hall made a good evacuation center; the Gymnasium was prepared for evacuees, and later was occupied by the Hawaii Territorial Guard as a barracks. The entire personnel of the Reserve Officers' Training Corps volunteered and were accepted for service in the Territorial Guard. The men and women on the faculty engaged in many activities, among others, in censorship, fingerprinting, chemical and bacteriological analyses of potable water, guard and police duty, lecturing. In brief, the Board of Regents and the faculty subscribed completely to an all-out war effort, whether such effort should demand their time, their abilities, or the physical plant.

As January passed, however, and the Military Governor gave permission for the schools of the Territory to reopen, it seemed advisable that the University resume its instructional character, too. (This war has provided precedent in China and in England for the continuation of universities even under bombings.) The Acting President and his advisors gave careful consideration to the curriculum and introduced as many "war" courses as possible. Though it showed a drop of 64 per cent from the September figures, the registration was most gratifying, totaling 861. In line with the tendency of mainland universities in accelerating the degree program, the Board of Regents placed the University on a twelve-months' basis, so that the diligent student may now earn his degree in three years. Our summer session is not the usual six weeks; it is a short

"semester" of twelve weeks with longer daily sessions. Our professors are teaching without extra compensation; this is part of their contribution to the war effort.

The personnel of the faculty and staff was reduced almost a third by the war, as shown in the following tabulation:

#### NUMBER AND MAKE-UP OF FACULTY AND STAFF

	September 1, 1941	April 1, 1942	June 30, 1942
Entire staff.....	431	366	347†
Instructional.....	190 (145 full-time) (45 part-time)	130 (111 full-time) (19 part-time)	111 (96 full-time) (15 part-time)
Agricultural Extension.....	69	63	63
Agricultural Experiment Station..	84*	84*	84*

\* Several of this group have also been counted in instruction.

† 168 are Civil Service, 179 non-Civil Service.

Members of the faculty and staff who have left the University are distributed as follows:

Army .....	20
Navy .....	6
Washington (war work).....	4
Red Cross .....	1
Office of Civilian Defense.....	6
Resigned .....	42*
On leave .....	6
Defense work .....	29*
Information Control Bureau.....	7
Military Governor .....	9

\* It has been necessary to replace a number of these persons.

#### LECTURE SERIES

Many of our students are Americans of Japanese ancestry and come from homes where the Japanese language is the common medium of expression. Many parents are unable to read the English newspapers and probably do not understand the causes of the war, the importance of the war effort, or the need for a wholehearted effort to defeat the Japanese militarists and the Axis forces. The administration felt that each student might be a disseminator of proper information in his own family and in his little town, provided he were made intelligent on the war. For these reasons, a committee of faculty members planned a series of lectures to the students by faculty specialists in the various fields. The series was called "The World at War." The popularity of these lectures was evidenced

by an average attendance of 500, and the fact that, during the summer session, the series was repeated in part. Titles of the individual lectures and the lecturers' names follow:

*The United States and the War*, Professor Gregg M. Sinclair  
*Japan's Greater East Asia Policy*, Dr. Paul S. Bachman  
*Australia and the War*, Dr. Stanley D. Porteus  
*Comparative Resources of the United Nations and the Axis*, Dr. Harold S. Palmer  
*Conquered Nations Under the Axis*, Mr. Charles S. Bouslog  
*Rumor and Morale*, Dr. Charles A. Moore  
*Sino-American Relations*, Professor S. C. Lee  
*The Nazis and the German People*, Dr. Gaylord C. LeRoy  
*The Pacific Islands and the War*, Dr. Felix M. Keesing  
*Science and the War*, Dr. Leonora N. Bilger  
*American Citizens of Japanese Ancestry and the War*, Dr. Andrew W. Lind  
*The Economics of War*, Dr. Ralph C. Hoerber  
*Latin America and the War*, Dr. Charles H. Hunter  
*China and the War*, Dr. Wing-tsit Chan

#### Varsity Victory Volunteers

One heartening experience was the action of some patriotic students of Japanese ancestry, who, after being released from the Hawaii Territorial Guard, formed themselves into an organization called the Varsity Victory Volunteers. They gave up their University work because they were anxious to show their patriotism; they wanted to do something to help win the war, and they offered their services in any capacity in which they could be used. The Military Governor accepted them, and 132 of our young men joined the group. Of these, 98 had already registered for the second semester. They were attached to an engineering unit for the purpose of aiding in construction work. These young men have built prefabricated field shelters for troops, erected fences, operated a quarry, built roads, and extended railroad facilities. We have good reports on their willingness to work, their achievements, and their behavior.

#### THE COLLEGES

All of the Colleges—Arts and Sciences, Applied Science, and Teachers College—were seriously affected by the unusual happenings of the year. In the first semester, for example, the College of Arts and Sciences had a faculty of 82 who gave 276 courses to 859 students; in February the faculty numbered 50, the courses 173, and the students 256.

The College of Applied Science suffered heavily in its Agricultural Department. The agricultural students, mostly able-bodied men, entered war work immediately; and after the organization of the V.V.V. boys, a great number of whom were agricultural students, the department was reduced considerably.

Home Economics held up well, the women students supplementing their University work with Red Cross and volunteer activity. All senior engineers returned, finished their required studies, and are now employed. Special classes in mechanical drawing were organized in the second semester, and a number of adult students who completed the training have been given positions. Many young women have entered the University and have completed definite basic courses in Chemistry, Bacteriology, Nutrition, Sociology, and Psychology; they have then entered Queen's Hospital School of Nursing to complete their training for the nursing profession. As long as war requirements continue, this group will be larger than usual.

The Engineering testing laboratory has been utilized to the fullest extent. The United States Engineering Department personnel and work increased so rapidly that it was necessary to make the University laboratory available for them. Even now, when the congestion has been relieved, the University laboratory and equipment are utilized as a reserve. The large testing machine, which was purchased a number of years ago, has been in use almost daily and has been an invaluable aid to the Army and Navy testing divisions.

The program of teacher education has been greatly affected by war conditions. Subsequent to the merger of the Territorial Normal School with the School of Education of the University in 1931, Teachers College developed a five-year program of teacher preparation which has won the praise of mainland educators as well as officials of the local Department of Public Instruction who have had close contact with its graduates. By the end of the academic year 1941-42, resignations, leaves of absence, and evacuations of public school teachers to the mainland threatened to draw into teaching service all Teachers College fifth-year students, thus depriving the beginning teacher of the professional orientation so vital to success.

The war, with its resultant shortage of teachers, greatly increased the demand upon Teachers College. This increased demand, at a time when student enrollment was materially decreased, accentuated the problems of teacher education. The program was likewise handicapped because the faculty personnel was decreased through the departure of those who were drawn into military and other war service.

After two years of preliminary planning, the preschool unit was opened in November, 1941, in the beautiful new Castle Memorial Hall. This building was the gift of the Castle Foundation. This foundation had also agreed to support the operation of this project for a ten-year period. The unit opened auspiciously with a carefully selected faculty and staff. It was closed with all other schools on December 8, 1941. After careful study, the Board of Regents deemed it advisable to discontinue the project for the academic year 1942-43. In the

meantime, the increase in the number of women war workers and the resultant problem of the day care of children brought about an acute need for teachers of preschool-age children. It would therefore seem desirable to give serious consideration to the question of reopening the preschool unit of Teachers College in September, 1943.

The department of Health and Physical Education was attached to Teachers College in September, 1940. By the fall of 1941, this department had been reorganized and, under competent leadership, began the academic year with considerable promise for the future. The war wrought particular hardship upon the personnel and services of this department. With the exception of one part-time individual, all faculty men left for war service. Of the women, three remained. Although fewer students returned, war demands enhanced the service needs from this department. In consequence, greater emphasis was given to health aspects and reduced attention to physical education activities. First-aid courses were stressed, several hundred students completing the standard Red Cross courses.

Reduction in student enrollment and other factors necessitated curricular reorganization. It was found necessary to "streamline" the four academic curricula (preschool, primary, elementary, secondary). The student, under the present plan, is prepared to adjust to teaching at either the elementary or the secondary school level. It was also found necessary to extend the practice teaching period to a full semester, instead of the nine-weeks period previously employed.

One of the outstanding features of the teacher-education program in Hawaii is the provision for a full semester of teaching experience in a typical public school setting under the cooperative supervision of Teachers College and the Department of Public Instruction. The threatened disruption of this feature of teacher education was avoided by the establishment of probationary teaching centers in the rural districts, where teacher shortage is most acute. Under this plan and the twelve-weeks summer session, which makes it possible for the student to fulfill the academic requirements of the fifth year when public schools are not in session, the Department of Public Instruction is being supplied with the same number of teachers it would have had if all fifth-year students were given regular appointments, without reducing standards in teacher preparation.

#### SIGNAL CORPS SCHOOL

At the request of Colonel C. A. Powell of the Signal Corps, a school was organized to provide special intensive training for selected Signal Corps personnel. The University furnishes instructors, classroom and laboratory facilities. The first group of 56 men began work in March and completed the course in June, and a second group was enrolled immediately. The men eat at the University

cafeteria and, through arrangement with the Y.M.C.A., are housed at Atherton House, and enjoy Library and other University privileges.

#### THEATRE GUILD

The Theatre Guild had planned its tenth season very carefully and was rehearsing *The Far Off Hills* at the time of the blitz. After December 7, of course, the Theatre Guild became inactive.

#### STUDENTS

When the University began its fall semester in September, 1941, the enrollment was 2,420, about 500 less than that of the previous year. The drop was due to the departure of male students to join the armed forces and to do defense work. When the University reopened on February 2 after being closed by the Military Governor with the rest of the schools of the Territory on December 7, only 861 students returned.

Comparative figures on enrollment in the past two years are given in the tabulation following:

#### STUDENT ENROLLMENTS

	Year 1940-41	Year 1941-42	First Semester 1941-42	Second Semester 1941-42	Summer Session 1942
Undergraduate students .....	2,030	1,823	1,815	665	561
Graduate students .....	466	353	311	122	202
Unclassified students .....	269	219	185	55	146
Noncredit students .....	178	121	109	19	45
Summer Session students					
Summer 1941 .....	1,026				
Summer 1942 .....	.....	954			

Graduation exercises were held as usual in June. The following table gives the number of diplomas, degrees, and certificates awarded both last year and the year previous:

	1940-41	1941-42
Bachelor of Arts.....	144	84
Bachelor of Science.....	64	54
Bachelor of Education.....	134	90
Master of Arts.....	7	2
Master of Science.....	9	3
Master of Education.....	11	4
Five-year Diploma in Education.....	66	60
Social Case Work Certificate.....	12	5
Public Health Nursing Certificate.....	8	3

# NATIONAL YOUTH ADMINISTRATION

Word has come that the National Youth Administration program has been discontinued in Hawaii. If this is true, it is something to be regretted. A brief summary of our N.Y.A. expenditures follows:

Year	No. Students Employed	Amount Spent
1934-35	188	\$16,785.00
1935-36	238	14,340.00
1936-37	217	21,430.00
1937-38	215	14,302.00
1938-39	273	17,521.00
1939-40	298	24,402.00
1940-41	329	25,730.00
1941-42	291	17,380.00*

\* Approximately.

From 1934 to 1937 the only money spent was for student services at the University of Hawaii. In those years the administrative expenses were borne by the University.

The distribution of the work for 1941-42 and the hours paid for may be of interest:

	Approximate Number Employed		Number Hours	Amount
	First Semester	Second Semester		
Library .....	17	10	4,163	\$1,495
Teachers College .....	14	7	3,222	1,180
Hawaii Agricultural Experiment Station .....	9	7	2,427	900
Health and Physical Education.....	16	4	2,240	730
Anthropology and Sociology.....	5	8	2,070	735
Chemistry .....	6	5	1,600	613
Botany .....	6	3	1,430	560
Agricultural Extension Service.....	9	7	1,802	555
T. C. Training School.....	4	3	850	266
Home Economics .....	5	2	840	250
Student Personnel Office.....	4	3	670	230
Political Science .....	1	1	450	200
Zoology .....	2	3	560	200
Adult Education .....	2	1	530	170
Music .....	3	1	430	155
Philosophy .....	2	1	404	150
Oriental Institute .....	1	1	360	140
English .....	2	1	340	135
Library Committee .....	1	1	360	108
Others—less than \$100.00.....				



## LIBRARY

Although we no longer receive shipments of books from the Orient, Dr. Taam still has many Chinese books to catalogue as well as all of the Prince Fushimi Memorial Scholarship collection of Japanese books. This past year 650 Chinese and 1,800 Japanese volumes were catalogued for the Oriental collection. The total number of our Chinese collection up to June 30, 1942, was 36,745 stitched volumes bound in 10,488 volumes. We have failed to receive many of our foreign scientific periodicals. Some we trust are still being published and will be held for us until after the war, but many we fear have ceased, or at least have suspended, publication. The Library Committee had approved the purchase of new subscriptions and some very valuable runs to complete our present scientific files, but as many of the orders had not yet been placed by December 7, they are being held for the present with the expectation of being able to secure them later. It is fortunate indeed that an unusual amount of binding was done last year, for little can be done now because of lack of materials.

Among the very valuable gifts received during the past year were the 1939-40 Yale University Press publications of 118 volumes from Mr. C. Montague Cooke, Jr., and 350 phonograph records for the Music Room from Mr. and Mrs. Cooke. The Prince Fushimi Memorial Scholarship collection of books in Japanese, 2,950 volumes, was received from the Library of Hawaii; and a file of *Revue Hebdomadaire*, from its beginning in 1890 through 1940, given by Mrs. James P. Morgan in memory of her mother, Mrs. F. M. Swanzy. A beautifully printed and bound subscription edition of *Science and Health* was sent by Mr. and Mrs. S. Herbert Hare of Kansas City, Mo., recent visitors in Hawaii. Early in September we received as a gift from the Chinese Government the photoprint copy of *Ssu Ku Chuan Shu*, 231 titles in 1,960 Chinese stitched volumes. The School of Religion Library, consisting of 977 bound volumes and 139 unbound volumes, was turned over to the University Main Library. Mr. and Mrs. M. Ishii presented a collection of law books, government documents and Hawaiian material which fitted into our collection; and Dr. Philip S. Platt gave us some runs from his personal periodicals to help complete our files, and also some worthwhile books. Mr. C. A. Ross of Washington, D.C., is collecting the issues of *Bibliography of Aeronautics* and has already sent in a considerable number of volumes. The complete set consists of 50 volumes. Many volumes have been received from the Carnegie Endowment for International Peace and the Carnegie Institution of Washington. Colonel T. M. Spaulding of Washington, D.C., and many other friends have continued to send valuable books. A very interesting gift, a long, complete file of *Life* from about 1890 to 1920, has been promised by Dr. Herbert E. Gregory, but is at present being held for the Library until space can be made for it. Altogether, 6,820 gift volumes have been received.

The facilities and services of the library during 1941-1942 are summarized in the following table:

Total bound volumes.....	147,931
Total pamphlets .....	347,114
Additions .....	28,034
Total circulation .....	139,867
Gifts .....	16,378
Books and pamphlets transferred to other institutions.....	9,678
Phonograph records in circulation.....	497
Pictures and maps in circulation.....	97

## HAWAII AGRICULTURAL EXPERIMENT STATION\*

The problems of agricultural research in Hawaii are not those of supplying national war needs, except for sugar and pineapples, but rather of enabling this important military outpost to become more independent of outside sources of food. The national emergency brings into sharp focus the application of research findings to the problems of supplying essential foods for the armed forces and civilians of the Territory. The research program of the Agricultural Experiment Station has been directed, in part, to this end for many years. The total cost of carrying on the work in the Territory for the year ending June 30, 1942, was about \$174,289. About \$76,685 was from Federal sources and the balance, \$97,604, from Territorial funds.

Prior to December 7, 1941, the Director, with the assistance of his staff and of those of the pineapple and sugar experiment stations, assembled and classified all pertinent information relative to food and feed production requirements to meet a total emergency. The plan was adopted by the Army and since December 7 has been of greatest aid in formulating plans to meet the actual emergency.

Since December 7, the scientists of the Station have individually and collectively rendered technical service and advice at the request of the Food Administrator, Office of the Military Governor. The following men have given the service indicated:

- Work, S. H.—Swine feeding, feeds and feed rationing
- Henke, L. A.—Cattle feeding, feeds and feed rationing
- Bice, C. M.—Poultry feeding, feeds and feed rationing
- Frazier, W. A.—Vegetable crops, acreages, culture
- Ripperton, J. C.—Feed production, culture, and mechanical equipment
- Holdaway, F. G.—Insect control
- Beaumont, J. H.—Advisory committee on food production

A large amount of research work has been devoted to experimenting with substitutes for imported feeds, particularly the production of protein. Locally

\* An extensive report of the work of the Hawaii Agricultural Experiment Station will be sent upon request.

produced yeast and urea may be substituted for a portion of the feeds commonly imported. Various local grasses and roughages have been tried and found satisfactory. All the efforts of the Station staff are devoted to making the Territory more and more self-sustaining, using locally grown feeds, vegetables, and fruits to conserve valuable shipping space.

### AGRICULTURAL EXTENSION SERVICE\*

The organization includes the Director, 13 specialists, 10 county farm agents, 12 assistant county farm agents, 9 home demonstration agents, 4 assistant home demonstration agents, and 18 members on the clerical staff. The total cost of carrying on the work in the Territory for the year ending June 30, 1942, was \$164,639.33. About 71 per cent was from Federal sources (\$127,891.42) and the balance, (\$36,747.91), from Territorial appropriations.

Immediately after the attack on Pearl Harbor, the Director, H. H. Warner, and three Extension Service specialists, Ashley C. Browne, Paul A. Gantt, and Kenneth I. Hanson, were drafted into the Office of the Military Governor and in the following months took an active part in supervising production, importation, and marketing of foods and feeds for Territorial consumption.

Numerous duties and responsibilities have been undertaken by the entire staff of the Extension Service in implementing the Military Governor's orders. Assisting farmers to obtain seeds, fertilizer, insecticides, building materials, gasoline, and tires; promoting Americanization, the purchase of war bonds, and donation of blood; and conducting various surveys for the information of the Military Governor were a few of the jobs added to the regular work of the Extension Service with the outbreak of war. However, despite all the difficulties, the Territory today has one third more acreage planted to truck crops than a year ago, and most of the current production is on small commercial farms.

All of the county agents are equipped with a background of college training in agriculture or home economics and are in daily contact with the farmers and their families. Evidence of the friendship between the rural people and the Extension Service was strongly emphasized when thousands of farmers and rural housewives called at the county offices after December 7 to ask questions and request assistance. Competent handling of these requests has been a vital factor in maintaining the morale of the rural people ever since Pearl Harbor.

With almost military precision, the Agricultural Extension Service planned its operations to meet emergency conditions.

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\* An extensive report of the work of the Agricultural Extension Service will be sent upon request.

## ADULT EDUCATION DIVISION

During the year 1941-42, a total of 1,078 students attended 69 credit and noncredit courses sponsored by the Adult Education Division.

Prior to December 7, the Division offered 29 noncredit courses on the campus. They were attended by 489 students, 154 of whom were men in the armed forces. The Division also offered 18 noncredit classes in elementary school subjects to 289 Filipino laborers on Oahu and outlying islands. In addition, it offered a one-credit course to teachers in Hilo, and another to teachers in Wailuku, attended by 12 and 18 respectively.

After February 2, the Division placed emphasis on courses that would aid the war effort. Six courses in first aid, nutrition, and home nursing were attended by 206 students. Thirteen students, 7 of whom were women, attended a class in mechanical drawing. Twelve doctors at the Naval Hospital attended a course in public speaking. Thirty-nine officers and men in the service attended 11 correspondence and conference courses.

The Division sponsored a conference on "Adult Education and National Defense," at which there was an attendance of 60, and a 2-day teachers' institute for Filipino teachers employed in the Filipino adult education project, at which there was an attendance of 15.

Interest in lectures and short lecture series sponsored by the Division ran high, a fact attested by the attendance of 12,737 at 265 lectures. The table shows the nature of these lectures and the attendance at each.

	<i>Attendance</i>
5 radio broadcasts, summer 1941.....	-----
5 evening lectures, summer 1941.....	1,550
4 short lecture series (1 in Hilo).....	337
10 lectures on "America and the War" (downtown).....	350
6 lectures on outside islands.....	500
235 lectures by faculty members, on Oahu.....	10,000
Total.....	12,737

The Division distributed 792 reels of sound and silent films to 41 schools, 7 departments of the University, 24 organizations (including Army and Navy groups), and 3 individuals.

The Division's photographer made a total of 1,370 negatives, 3,617 prints, 44 slides, and 409 enlargements for 27 departments of the University. In addition, he worked 33 days for the Bishop Museum, copying and making prints of valuable records and old negatives and plates.

## PSYCHOLOGICAL CLINIC

If servicing of the social machine must be carried on by professional workers, then the kind of community service rendered by the Psychological Clinic of the University of Hawaii must be considered essential. Its services are still sought by teachers in their efforts to educate dull or troublesome pupils; by probation officers in their dispositions of delinquent youth; by social workers in the many problems of home adjustment; by psychiatrists in their studies of the insane before and after remedial treatment; by prison and adult probation officers; by hospitals in selecting individuals for nurses' training; by heads of juvenile corrective institutions and by Waimano Home. In addition, the staff must accept places on committees, give consultative service in many projects, and help with war work to the extent of their time and capacity.

With the exception of the period immediately after December 7, the work of the Clinic has gone on at its usual rate. Its staff is at present working at full capacity. Altogether, 32 institutions or agencies of various types referred cases to the Clinic in the past twelve months. The number of individuals studied and the referring agencies grouped in six main categories are shown for the past three years in the following table:

Referring Agencies	1939-40	1940-41	1941-42
Courts and correctional institutions.....	569	578	488
Schools and educational institutions.....	453	555	297
Social welfare agencies.....	275	276	187
Private referrals .....	134	111	120
Health organizations .....	80	118	322
Miscellaneous .....	57	50	18
<b>Total cases.....</b>	<b>1,568</b>	<b>1,688</b>	<b>1,434</b>

The total number of cases in the files is now 18,500.

## VOLCANOLOGY

Dr. Thomas A. Jaggar has carried on his researches and publications in volcanology during the year, though since December 7 he has combined his work in volcanology with reports to the Navy. Dr. Jaggar had directed six expeditions to the Aleutian Islands and ten to other places, so he had information of value to the military authorities.

These reports have increased in volume and scope as the work progressed, particularly when Mauna Loa broke into activity, endangering Hilo, and his seventh report reviewing engineering measures for safety was timely. The average was one report a month and his later ones exceed one hundred pages each, with

illustrations furnished by the Hawaiian Volcano Research Association. This society in March established a Honolulu laboratory adjunct to the University in Manoa.

This war work is all relevant to the publications accepted as scientific monographs in New York, and extends research on expeditions and observatory work dealing with volcanoes and earthquakes for which Dr. Jaggar is employed. In the autumn of 1941 the Geological Society of America received and approved the memoir on *Steam-blast Eruption*, by Dr. Jaggar, his second large book.

Dr. Jaggar continues as editor of the *Volcano Letter*, published quarterly by the University for its Kilauea Laboratory, in collaboration with the National Park Volcanologist, R. H. Finch.

### AQUARIUM AND MARINE LABORATORY

Whereas formerly about 30,000 people visited the Aquarium in the course of a year, the attendance rose to 162,421 during the fiscal year of 1942. This was due, in part, to the fact that the admission fee had been eliminated. The Director also arranged for monthly lectures on fish and marine life during the months of September, October, and November. The lectures were very well attended.

### STADIUM

Despite the war, interest in sports was high throughout the city, and during the fiscal year 1941-1942 there were 470,174 paid admissions to the 111 attractions that were held at the University stadium.

### FINANCIAL STATEMENT

Expenditures for current educational and general purposes (but excluding plant improvements) for the entire University during the fiscal year amounted to \$1,217,207.07. For distribution of these expenditures, by funds, see table on page 19.

GREGG M. SINCLAIR, *President*.

## DEGREES, DIPLOMAS, AND CERTIFICATES CONFERRED IN 1942

The degrees, diplomas, and certificates listed here were conferred in June except those whose recipients' names are starred. The single star signifies that the award was made in February, the double star that it was made in August.

### HONORARY DEGREE OF DOCTOR OF SCIENCE

ARTHUR RIPONT KELLER

### ADVANCED DEGREES

#### MASTER OF SCIENCE

EDWARD CHANG YUL INN, *Physics* (B.S., University of Hawaii, 1939)

KIYOSHI ISEKI, *Chemistry* (B.S., University of Hawaii, 1941)

ANTON POSTL, *Chemistry* (B.S., University of Hawaii, 1940)

#### MASTER OF ARTS

THELMA COILE BROWN, *English* (B.A., University of Hawaii, 1932)

ESTHER LEONORE FERREIRA SOUSA, *History* (B.A., University of Hawaii, 1933)

### BACHELOR DEGREES

#### BACHELOR OF SCIENCE

##### IN AGRICULTURE

JAMES MASAOKI DOI

MINORU EZAKI

\*FUNG TING FUNG

BUNKI KUMABE

\*DAVID VICTOR MILLER

TOJIRO MOTOKI

\*\*YOSHIO NAKAGAWA

FREDERICK TOM

MITSUGI WATANABE

WARREN YUEN JONG YEE

NORIO YORIMOTO

YOSHINORI KANEHIRO

HAINES SUSUMU MATSUI

TADAO MIYAMOTO

TATSUO NONAKA

FRANCES WITHERS RIX

TAKUMA TANADA

(With Honors)

TAD SAU KI WONG

ROKURO YAMAGUCHI

HUNG LUM YOUNG

##### IN HOME ECONOMICS

MARY MAE ANDRADE

ALMA YUEN HOY CHANG

CATHERINE ALICE ROSS CORDES

KIYOKO FUJIMOTO

SONOYE FUKUMOTO

EMMA CHU HARADA

FRANCES YUK CHIN HEU

JENNIE FUNG JIN LEE

PHYLLIS AII CHOCK LEONG

VIOLET KAM JOOK LEONG

JENNIE SHIN JUN WONG LUM-KING

HARUYO MORIKAWA

JEAN MOSIER

FUMIE SODETANI

LORETTA YUK FUN TING

HUNG VUN WONG

##### IN CIVIL ENGINEERING

KENNETH KIYOSHI AKIYAMA

YASUO ARAKAKI

HON HOONG CHEE

GUY CHU

HARRY YEN CHU

RAYMOND KEONG CHUN

TETSUO HARANO

TSUTOMU IZUMI

MELVIN FU HOON JA

GEORGE SHIMEKAZU KURIO

ROBERT OSAMU OHATA

KWONG YIN SIU

ALBERT MASARU TSUJI

HISAO YABUSAKI

##### IN GENERAL SCIENCE

BENJAMIN SUI KAI HEE

CLIFFORD KEMPTON HUMPHRIES

##### IN SUGAR TECHNOLOGY

WAH FAI DANG

BRUCE CONDON McCALL

KIYOSHI SADANAGA

#### BACHELOR OF ARTS

MASAKO AGENA

MITSUO AKIYAMA

ALFRED Y. K. AU

\*JOAN ULULANI BURROUGHS

EDWARD KUAN FONG CHANG

\*\*PAULINE WESSEL CHILLINGWORTH

\*BARBARA HELENE CHING

\*\*SARAH CHO

EDDIE ON YEN CHONG

HENRY JOSEPH CON SOME CHOY

\*\*MADELINE LIN CHUNG CHOY

\*VERNON AKEE CHOY

KWOCK BUNG CHUN

HIROSHI DAIFUKU

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\*\*HENRY-ENRICO DIROMA

\*\*RITA VIRGINIA FERREIRA

ALFRED SUNG YEN FONG

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MARGARET CHIZUKO FUKUSHIMA

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 CHIYOKO ISOBE  
 \*\*WALTER MICHIO IWASA  
 JANE DAGGS JOHNSTONE  
 \*BETTY LOUISE JONES  
*(With Honors)*  
 STANLEY YOSHINORI KAIZAWA  
 MARY SOON BOK KEIL  
 \*CHING DO KIM  
 CHOON BONG KO  
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 FRANCIS TOSHIYUKI MOTOFUJI  
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 BETTY CHIYOKO MURAKAMI  
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 SEIKO OGAI  
*(With Honors)*

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 \*\*JOSEPH KIYOKA OKUMURA  
 GEORGINE AIKO ONO  
 SHIZUKO OSHIRO  
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 FUMI TOKIOKA  
 JAMES MALCOLM TOPALIAN  
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 \*\*HIROBUMI UNO  
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 VIRGINIA MIKIKO UYEMURA  
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 \*LEE GRANT WHEELER  
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 EDWARD MASAYUKI YOSHIMURA  
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 \*ANNA U. BODNAR  
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 \*HARUMI HANADA  
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 GENE KIYOME HIRAI  
 MURIEL CLARICE SCHULTZ

GRACE CORA SOUZA  
 TERUKO YUTAKA

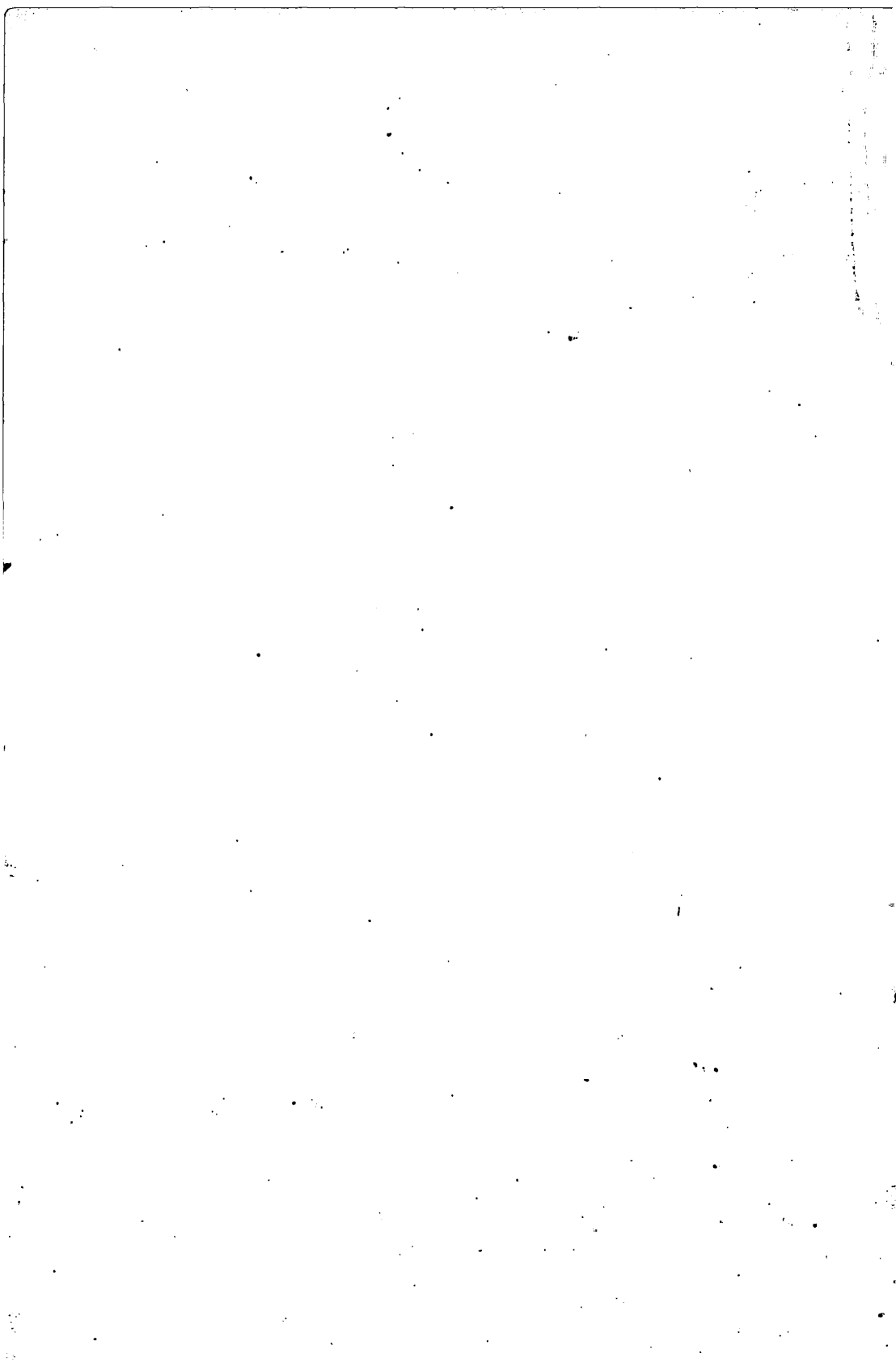
#### PUBLIC HEALTH NURSING CERTIFICATES

YOSHINO ABE  
 BERTHA LAU KINIMAKA

ESTHER E. KUFFLER  
 \*\*VIOLET WONG PANG

## FINANCIAL STATEMENT

	FEDERAL	TERRITORIAL	UNIVERSITY	TOTAL	PERCENT
Instruction and					
Related Activities .....	\$ 77,697.83	\$298,375.45	\$ 77,188.74	\$ 453,262.02	43.59
Organized Research .....	76,266.84	29,029.20	85,485.11	190,781.15	18.34
Extension .....	126,271.42	20,178.26	29,816.15	176,265.83	16.95
Library .....		33,566.01	11,125.61	44,691.62	4.30
Administration and					
Total for Instruction and					
Research.....	(280,236.09)	(381,148.92)	(203,615.61)	( 865,000.62)	
General Expense .....	4,588.87	66,464.15	12,715.92	83,768.94	8.06
Operation and Maintenance					
of Physical Plant.....		37,190.20	23,865.30	61,055.50	5.87
Public Services .....		27,713.01	2,403.15	30,116.16	2.89
Total Current University					
Expenditures.....	(284,824.96)	(512,516.28)	(242,599.98)	(1,039,941.22)	100.00
Auxiliary Enterprises .....			172,404.76	172,404.76	
Non-Educational Expense .....		2,912.59	1,948.50	4,861.09	
Total Current Expenditures	\$284,824.96	\$515,428.87	\$416,953.24	\$1,217,207.07	
Percentage .....	23.40	42.35	34.25	100.00	



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# UNIVERSITY OF HAWAII BULLETIN

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## SUMMER SESSION ANNOUNCEMENT

### 1943

#### REGISTRATION DATES

##### HONOLULU

For 12-weeks courses and for courses offered only in the first 6 weeks—Monday, June 14, 8 a.m. to 4 p.m.

For courses offered only in the second 6 weeks—Monday, July 26, 8 a.m. to 4 p.m.

##### HILO AND WAILUKU

For 6-weeks courses and for courses offered only in the first 3 weeks—Monday, June 14, 8 a.m. to 4 p.m.

For courses offered only in the second 3 weeks—Saturday, July 3, 8 a.m. to 12 noon.

##### LIHUE AND WAIMEA

Monday, July 26, 8 a.m. to 4 p.m.

VOLUME 22

NUMBER 2

MARCH 1943

The University of Hawaii Bulletin is published quarterly. Entered as second-class matter at Honolulu, Hawaii, U.S.A., under Act of Congress of August 24, 1912

## ADMINISTRATION

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Arthur R. Keller, D.Sc.	Vice-President and Dean of the College of Applied Science
Benjamin O. Wist, Ph.D.	Dean of Teachers College
Thayne M. Livesay, Ph.D.	Dean of the College of Arts and Sciences
Paul S. Bachman, Ph.D.	Chairman, Summer Session Committee
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Helen B. MacNeil, M.A.	Registrar
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Ernest B. DeSilva, B.A.	In charge of courses at Hilo
Andrew W. Lind, Ph.D.	In charge of courses at Wailuku
Albert J. McKinney, M.Ed.	In charge of courses at Lihue and Waimea

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Fred E. Armstrong, Ph.D. Professor of Agricultural Educa- tion	Willis B. Coale, Ph.D. Associate Professor of English
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emy of Arts

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gineering

**Bruce White, Ph.D.**  
Associate Professor of Education

**Janet B. Wimberly, B.A.**  
Assistant in English

**Benjamin O. Wist, Ph.D.**  
Professor of Education

# **T H E      1 9 4 3      S U M M E R      S E S S I O N**

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This year the University of Hawaii will offer summer session courses on the Honolulu campus and on the islands of Kauai, Maui, and Hawaii. By decentralizing the Summer Session, the University hopes to make summer instruction available to many persons who, because of travel and housing difficulties and civilian defense duties, would be unable to attend classes in Honolulu. On Hawaii, courses will be offered at Hilo; on Maui, at Wailuku; and on Kauai, at Lihue and Waimea.

Credits earned in any of these 1943 summer courses may be counted as residence credit for degree requirements. (In General Catalogue, see degree requirements.) Students not desiring credit may register as auditors.

## **SUMMER SESSION COURSES IN HONOLULU**

The University will continue to offer a 12-weeks summer session as part of the accelerated program begun in June, 1942. Under this plan, high school students may enter the University in June and complete degree requirements in 3 years by continuous attendance in regular sessions and 12-weeks summer sessions.

Some courses will run through the entire 12 weeks of the Honolulu session, starting Monday, June 14, and ending Saturday, September 4. Some will run only through the first 6 weeks, and others will be offered only in the second 6 weeks. Certain of the 6-weeks courses, although open to properly qualified regular students, are intended primarily for Oahu school teachers. Class sessions will be 65 minutes long.

Ordinarily students will be allowed to take a maximum of 13 credit hours plus 1 credit hour in Health and Physical Education.

Registration for 12-weeks courses and for those offered only in the first 6 weeks will be held Monday, June 14, from 8 a.m. to 4 p.m. Class work in these courses will begin Tuesday, June 15.

Registration for courses offered only in the second 6 weeks will take place Monday, July 26, from 8 a.m. to 4 p.m., and class work will begin Tuesday, July 27.

## **SUMMER SESSION COURSES ON HAWAII, MAUI, AND KAUAI**

**Hawaii and Maui.** The summer session on Hawaii and Maui will be 6 weeks long, starting Monday, June 14, and ending Friday, July 23. Student programs will be limited to 6 credit hours.

Some courses will run through the entire 6 weeks; these courses will meet daily Monday through Friday, and each class session will be 50 minutes long. Some courses will run only through the first 3 weeks, and others will be offered only in the second 3 weeks. The 3-weeks



courses will meet daily Monday through Friday, and each class session will be 100 minutes long.

Both the 6-weeks courses and the 3-weeks courses will yield 2 credit hours each. Registration for all 6-weeks courses and courses offered during the first 3 weeks only will take place Monday, June 14, from 8 a.m. to 4 p.m. Registration for courses offered during the second 3 weeks only will take place Saturday, July 3, 8 a.m. to 12 noon.

Classes at Hilo will meet at Hilo Intermediate School. Those at Wailuku will meet at Baldwin High School.

**Kauai.** The summer session on Kauai will be 5 weeks long, starting Monday, July 26, and ending Saturday, August 28. Each class session will be 100 minutes long. Courses will yield 2 credit hours each.

Registration will take place July 26, 8 a.m. to 4 p.m., at both Lihue and Waimea. Student programs will be limited to 6 credit hours.

At Lihue, classes will be held at Lihue School, and at Waimea at the Waimea School.

#### **GENERAL INFORMATION APPLICABLE TO SESSIONS ON ALL FOUR ISLANDS**

A tuition fee of \$50 will be charged students who register for a full credit load—that is, 10 or more credit hours. Students who register for fewer than 10 credit hours will be charged \$5 per credit hour.

All fees will be payable in full at the time of registration.

Students will be charged a penalty fee of \$1 if they register more than one class day later than the announced day of registration.

Any change in registration, including withdrawal from any course, must have the approval of—

(1) in Honolulu, the dean of the college in which the student is registered;

(2) on Hawaii, Maui and Kauai, the instructor in charge of summer session courses. Students in good standing who voluntarily withdraw from the Summer Session may obtain refund of fees according to the following schedule: for courses beginning June 14, full refund until 12 noon, June 19, after which date no refunds will be made; for courses beginning July 5, full refund until 12 noon, July 10, after which date no refunds will be made; for courses beginning July 26, full refund until 12 noon, July 31, after which date no refunds will be made.

The usual University rules and regulations will apply to the Summer Session as they do to the Fall and Spring Sessions. (See General Catalogue.)

The University of Hawaii is fully accredited by the Association of American Universities.

# **COURSES OF INSTRUCTION**

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Prerequisites are indicated in a few instances only. Consult registration officials as to qualifications before enrolling in courses.

## **HONOLULU**

### **Agriculture**

- 271    **School and Home Gardening.**    12 weeks; 2 credits.    Mr. Armstrong

### **Art**

- 150    **Beginning Design.**    First 6 weeks; 2 credits.    Mrs. Fisher
- 151    **Beginning Design.**    Second 6 weeks; 2 credits.    Mrs. Fisher
- 241    **Course in Teaching Crafts.**    Second 6 weeks; 2 credits.    Mrs. Watson
- 262    **Creative Art for the Upper Elementary Years.**    12 weeks; 2 credits.  
Mrs. Fisher
- 280    **Painting (Oil and Water Color).**    First 6 weeks; 2 credits.    Prerequisites: Art  
150-151, 154-155, or consent of instructor.    Mr. Luquiens
- 281    **Painting (Oil and Water Color).**    Second 6 weeks; 2 credits.    Prerequisites:  
Art 280 or consent of instructor.    Mr. Luquiens

### **Bacteriology**

- 151    **General Bacteriology.**    12 weeks; 4 credits.    Prerequisites: Botany 100;  
Zoology 100.    Mr. Allen
- 156    **Public Health Bacteriology.**    First 6 weeks; 2 credits.    Mr. Allen

### **Botany**

- 100    **General Botany.**    12 weeks; 4 credits.    Mr. Engard
- 200    **Botanical Problems.**    12 weeks; credit by arrangement.    Prerequisite: consent  
of instructor.    Staff

### **Business**

- 254    **Cost Accounting.**    12 weeks; 2 credits.    Mr. Graham

## Chemistry

- 103 General Inorganic Chemistry. 12 weeks; 4 credits.  
Mr. Bilger, Mr. Fujimoto, Mr. Postl
- 149 Organic Chemistry (<sup>first</sup>second-semester work). 12 weeks; 4 credits. Prerequisite: Chemistry 103.  
Mr. Bilger
- 150 Qualitative Analysis. 12 weeks; 4 credits. Prerequisite: Chemistry 103.  
Mr. Postl
- 211 Physical Chemistry. 12 weeks; 3 credits. Prerequisites: Chemistry 149, 230, concurrent registration in Chemistry 212.  
Mr. Bilger
- 212 Physical Chemistry Laboratory. 12 weeks; 1 credit. Prerequisite: Credit or concurrent registration in Chemistry 211.  
Mr. Bilger
- 230 Quantitative Analysis. 12 weeks; 4 credits. Prerequisites: Chemistry 103, 150.  
Mr. Fujimoto

## Chinese

- 230 Analytical Study of Chinese Words. First 6 weeks; 2 credits. Repeated second 6 weeks.  
Mr. Lee
- 250 Chinese Classics in English. First 6 weeks; 2 credits.  
Mr. Lee
- 251 Chinese Poetry in English. Second 6 weeks; 2 credits.  
Mr. Lee
- 291 Chinese Civilization. First 6 weeks; 2 credits.  
Mr. Lee
- 293 Methods and Bibliography in Chinese Studies. Second 6 weeks; 2 credits.  
Mr. Taam

## Economics

- 150 Principles of Economics. 12 weeks; 3 credits. Prerequisite: sophomore standing, or consent of instructor.  
Mr. Cameron
- 223 History of Economic Institutions. 12 weeks; 3 credits. Prerequisite: junior standing, or consent of instructor.  
Mr. Cameron
- 270 Public Utilities. 12 weeks; 3 credits. Prerequisite: Economics 150-151 or consent of instructor.  
Mr. Cameron

## Education

- 202 Planning for Instruction. 12 weeks; 2 credits.  
Miss Caro
- 251 Secondary Education. Second 6 weeks; 2 credits.  
Mr. White

261	Tests and Measurements. First 6 weeks; 2 credits.	Miss Smith
283	Child Development. 12 weeks; 3 credits.	Miss Smith
285	Elementary Education. 12 weeks; 3 credits.	Mr. Sayers
296	History of Education in Hawaii. Second 6 weeks; 2 credits.	Mr. Wist
299	Junior Red Cross Training. 12 weeks; 2 credits.	Mrs. Silver
340	Philosophy of Education. 12 weeks; 4 credits.	Mr. Sayers
345	Seminar in Educational Philosophy. 12 weeks; 2 credits. Prerequisite: consent of instructor.	Mr. Sayers
350	History of Education. First 6 weeks; 2 credits.	Mr. McKinney
351	History of Education. Second 6 weeks; 2 credits.	
390	Educational Administration. First 6 weeks; 2 credits.	Mr. Wist

### Engineering

CE 101	Plane Surveying. 12 weeks; 3 credits. Prerequisites: credit or concurrent registration in Mechanical Drawing 101, Mathematics 151.	Mr. Webster
CE 153	Roads and Pavements. 12 weeks; 2 credits. Prerequisites: Civil Engineering 101, Mechanical Drawing 101.	Mr. Keller
CE 252	Analytical and Applied Mechanics. 12 weeks; 4 credits. Prerequisite: Mathematics 155.	Mr. Keller
CE 276	Structural Design. 12 weeks; 3 credits. Prerequisite: Civil Engineering 253.	Mr. Keller
CE 279	Concrete and Masonry Structures. 12 weeks; 3 credits. Prerequisites: Civil Engineering 252, 253.	Mr. Keller
MD 101A	Mechanical Drawing. 12 weeks; 2 credits.	Mr. Okubo
MD 101	Mechanical Drawing. 12 weeks; 4 credits.	Mr. Okubo
ME 282	Steam Machinery. 12 weeks; 3 credits. Prerequisites: Mathematics 155, Physics 102.	Mr. Keller

### English

100	Composition. 12 weeks; 3 credits.	Mrs. Bergstrom, Miss Lound, Mrs. Wimberly
100 C	Composition. 12 weeks; 3 credits.	Mrs. Bergstrom, Miss Lound, Mrs. Wimberly

- 130 Public Speaking. 12 weeks; 3 credits. Mr. Trapido
- 134 Voice and Diction. 12 weeks; 2 credits. Mr. Ernst
- 150 Introduction to English Literature. 12 weeks; 3 credits. Prerequisite: English 100 or 102. Mr. Ernst
- 150 C Introduction to English Literature. 12 weeks; 3 credits. Prerequisite: English 100 or 102. Mr. Trapido
- 229 English Grammar for College Students. First 6 weeks; 2 credits. Mr. Coale
- 255 Dramatic Literature. 12 weeks; 3 credits. Mr. Ernst
- 263 Contemporary American Literature. First 6 weeks; 2 credits. Mr. Stroven
- 291 English in the Elementary School. 12 weeks; 3 credits. Mr. Coale
- 293 English in the Secondary School. 12 weeks; 3 credits. Mr. Coale
- 294 Literature for the Elementary School. First 6 weeks; 2 credits. Mrs. Geiser
- 297 Sounds of English. 12 weeks; 2 credits. Miss Henderson
- 300 Directed Research. First 6 weeks; credit by arrangement. Mr. Trapido

### **French**

- 260 Individual Directed Reading. 12 weeks; credit by arrangement. Prerequisite: consent of instructor. Mr. Pecker

### **Geography**

- 150 Elements of Geography. 12 weeks; 3 credits. Mr. Palmer
- 180 Elements of Meteorology. 12 weeks; 3 credits. Mr. Palmer

### **Geology**

- 150 Physical Geology. 12 weeks; 3 credits. Prerequisite: sophomore standing. Mr. Palmer
- 152 Laboratory Geology. 12 weeks; 1 credit. Prerequisite: credit or concurrent registration in Geology 150 or 151. Mr. Palmer

## German

- 100 Elementary German. 12 weeks; 6 credits. Mrs. Hormann
- 102 Scientific German. 12 weeks; 6 credits. Mrs. Hormann
- 202 Sight Reading in Scientific German. 12 weeks; 1 credit. Prerequisites: 2 years of college German and consent of instructor. Mrs. Hormann

## Government

- 150 American Government. 12 weeks; 3 credits. Mr. Bachman
- 254 Municipal Government. Second 6 weeks; 2 credits. Mr. Sakamaki
- 260 Contemporary International Politics. First 6 weeks; 2 credits. Mr. Bachman
- 300 Directed Reading and Research. 12 weeks; credit by arrangement. Prerequisites: graduate standing and consent of instructor. Mr. Bachman

## Hawaiian

- 100 Elementary Hawaiian. 12 weeks; 6 credits. Mr. Judd
- 101 Intermediate Hawaiian. 12 weeks; 6 credits. Mr. Judd

## Health and Physical Education

- 100 Individual and Team Sports (Men). 12 weeks; 1 credit. Mr. Chan Wa
- 102 Individual and Team Sports (Women). 12 weeks; 1 credit. Miss Gay
- 105 Personal Hygiene. 12 weeks; 1 credit. Mr. Sia, Miss Jones
- 135 Physical Activities for Men. 12 weeks; 1 credit. Mr. Earle, Mr. Chan Wa
- 136 Physical Activities for Women. 12 weeks; 1 credit. Miss Gay, Mrs. Bennett
- 200 First Aid. First 6 weeks; 2 credits. Mrs. Bennett
- 200 First Aid. 12 weeks; 2 credits. Miss Gay
- 220 Physical Education in the Primary Years. 12 weeks; 2 credits. Mrs. Bennett
- 221 Physical Education in the Upper Elementary and Intermediate Years. 12 weeks; 2 credits. Miss Gay
- 223 Public School Health. 12 weeks; 2 credits. Miss Jones

## History

- 201B History of the Far East. First 6 weeks; 2 credits. Mr. Sakamaki
- 204 Diplomatic History of Modern Europe. Second 6 weeks; 2 credits. Mr. Bachman
- 236 History of Modern China. First 6 weeks; 2 credits. Mr. Taam
- 251 History of Thought in Japan. 12 weeks; 3 credits. Mr. Sakamaki
- 276 History of the Hawaiian Islands. First 6 weeks; 2 credits. Mr. Kuykendall
- 300 Directed Reading and Research. 12 weeks; credit by arrangement. Staff

## Home Economics

- HE 105 Special Course. 12 weeks; 1 credit. Staff
- HE 291 Practice Course in Home Management. 12 weeks; 4 credits. Miss Douglass
- HE 360 Special Problems in Home Economics. 12 weeks; 2 credits. Miss Douglass
- HA 114 Clothing Design and Construction. 12 weeks; 4 credits. Prerequisites: Household Art 110, 111; credit or concurrent registration in Household Art 150. Mrs. Mark
- HS 102 Food Economics. 12 weeks; 6 credits. Prerequisites: Chemistry 103; Household Science 150. Miss Weaver
- HS 150 Elementary Food Preparation. 12 weeks; 3 credits. Mrs. Bartow
- HS 250 Diet and Disease. 12 weeks; 3 credits. Prerequisites: Household Science 102, 200. Miss Weaver

## Japanese

- D102 Beginning Japanese. 12 weeks; 3 credits. Mr. Uyehara
- 102 First-Year Japanese. 12 weeks; 6 credits. Mr. Uyehara
- 300 Advanced Reading and Research. 12 weeks; credit by arrangement. Mr. Uyehara

## Mathematics

- 149 Algebra. 12 weeks; 3 credits. Prerequisites: One year of high school algebra, one year of plane geometry. Mr. Okubo
- 150 Plane Trigonometry. 12 weeks; 3 credits. Prerequisites: Mathematics 149, or two years of high school algebra and one year of plane geometry. Mr. Okubo, Mr. Gregory

151 **College Algebra.** 12 weeks; 3 credits. Prerequisites: Mathematics 150, or 2 years of high school algebra, one year of plane geometry, and one semester of trigonometry. Mr. Webster

152 **Plane Analytical Geometry.** 12 weeks; 3 credits. Prerequisite: credit or concurrent registration in Mathematics 151. Mr. Webster

153 **Differential Calculus.** 12 weeks; 3 credits. Prerequisite: Mathematics 152. Mr. Watanabe

154 **Integral Calculus.** 12 weeks; 3 credits. Prerequisite: Mathematics 153. Mr. Watanabe

283 **Astronomy.** First 6 weeks; 2 credits. Prerequisite: Mathematics 150 or equivalent. Mr. Watanabe

### Music

152 **Elements of Musicianship.** 12 weeks; 2 credits. Mrs. Kahananui

251 **Music for the Elementary Years.** 12 weeks; 2 credits. Prerequisite: Music 152, or consent of instructor. Mrs. Kahananui

262 **Music History and Appreciation.** Second 6 weeks; 2 credits. Mrs. Kahananui

290 **Survey of Recorded Music for the Elementary School.** First 6 weeks; 2 credits. Mrs. Kahananui

### Philosophy

150 **History of Philosophy,** 12 weeks; 4 credits. Prerequisite: sophomore standing. Mr. Moore

300 **Directed Reading.** 12 weeks; credit by arrangement. Mr. Moore

### Physics

102 **College Physics.** 12 weeks; 4 credits. Prerequisite: Mathematics 150 or equivalent. Mr. Gregory

202 **Electrical Engineering.** 12 weeks; 3 credits. Prerequisite: Physics 152. Mr. Eller

### Psychology

150 **General Psychology.** 12 weeks; 4 credits. Prerequisite: sophomore standing. Mr. Livesay

200 **Directed Reading.** 12 weeks; credit by arrangement. Prerequisite: consent of instructor. Mr. Livesay



- 292 **Mental Hygiene.** Second 6 weeks; 2 credits. Miss Smith
- 351 **Advanced Educational Psychology.** Second 6 weeks; 2 credits. Mr. White

### **Religion**

- 210 **Lives and Teachings of the Old Testament Prophets.** First 6 weeks; 2 credits.  
Mr. Dunstan
- 211 **Life and Teachings of Jesus.** Second 6 weeks; 2 credits. Mr. Dunstan
- 275 **The Philosophy of Religion.** 12 weeks; 3 credits. Mr. Dunstan

### **Scouting**

- 283 **Girl Scout Training.** First 6 weeks; 2 credits. Miss Kent

### **Social Work**

- 370 **Juvenile Delinquency.** Second 6 weeks; 2 credits. Mr. Laune

### **Sociology**

- 151 **Introduction to the Study of Man and Society.** Second 6 weeks; 2 credits.  
Mr. Lind
- 258 **Race Relations.** First 6 weeks; 2 credits. Mr. Hormann

### **Spanish**

- 100 **Elementary Spanish.** 12 weeks; 6 credits. Mr. Pecker
- 101 **Modern Spanish Literature.** 12 weeks; 6 credits. Prerequisite: a year of Spanish in college or 2 years in preparatory school. Mr. Pecker

### **Zoology**

- 100 **General Zoology.** 12 weeks; 4 credits. Mr. Hamre, Mr. Bonnet
- 191 **Physiology.** 12 weeks; 3 credits. Prerequisite: either (1) Zoology 100 and Botany 100 or (2) a year of chemistry. Mr. Bonnet
- 260 **Histology.** 12 weeks; 3 credits. Prerequisite: one of the following—Zoology 151, 170, 180. Mr. Hamre
- 262 **Microtechnique.** 12 weeks; 2 credits. Prerequisite: Zoology 260. Mr. Hamre, Mr. Tanada

## **HILO, HAWAII**

### **Botany**

- 160 **Flower and Tree Identification.** First 3 weeks; 2 credits. Mr. St. John

### **Chemistry**

- 203 **Fundamentals of Chemistry as Applied to Problems of War and Defense.**  
Second 3 weeks; 2 credits. Prerequisite: one year of chemistry. Mrs. Bilger

### **English**

- 229 **English Grammar for College Students.** 6 weeks; 2 credits. Mr. Collins  
246 **The Modern Novel.** 6 weeks; 2 credits. Mr. Collins

### **History**

- 240 **Cultural History of the United States.** First 3 weeks; 2 credits. Mr. Hunter

### **Psychology**

- 244 **Mental Hygiene of Childhood.** Second 3 weeks; 2 credits. Mrs. Hosch

### **Social Work**

- 305 **The Field of Social Work.** Second 3 weeks; 2 credits. Prerequisite: consent  
of instructor. Mrs. Hosch

## **WAILUKU, MAUI**

### **Botany**

- 160 **Flower and Tree Identification.** Second 3 weeks; 2 credits. Mr. St. John

### **Chemistry**

- 203 **Fundamentals of Chemistry as Applied to Problems of War and Defense.**  
First 3 weeks; 2 credits. Prerequisite: one year of chemistry. Mrs. Bilger

### **English**

- |     |   |               |
|-----|---|---------------|
| 229 | English Grammar for College Students. 6 weeks; 2 credits. | Miss Schwartz |
| 246 | The Modern Novel. 6 weeks; 2 credits.                     | Miss Schwartz |

### **History**

- |     |   |            |
|-----|---|------------|
| 240 | Cultural History of the United States. Second 3 weeks; 2 credits. | Mr. Hunter |
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### **Social Work**

- |     |   |           |
|-----|---|-----------|
| 370 | Juvenile Delinquency. First 3 weeks; 2 credits. | Mr. Laune |
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### **Sociology**

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|-----|-------------------------------------|----------|
| 258 | Race Relations. 6 weeks; 2 credits. | Mr. Lind |
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## **LIHUE AND WAIMEA, KAUAI**

These courses will be offered on alternate days at Lihue and Waimea

### **Education**

- |     |  |              |
|-----|--|--------------|
| 220 | Science in the Elementary School. 2 credits.                   | Mr. Abbott   |
| 239 | American Educational Problems in the War Situation. 2 credits. | Mr. McKinney |

### **English**

- |     |                              |             |
|-----|------------------------------|-------------|
| 246 | The Modern Novel. 2 credits. | Mr. Collins |
|-----|------------------------------|-------------|

### **Sociology**

- |     |                            |             |
|-----|----------------------------|-------------|
| 258 | Race Relations. 2 credits. | Mr. Hormann |
|-----|----------------------------|-------------|