



6-1-1961

Pacific Review June 1961 (Bulletin of the University of the Pacific)

Pacific Alumni Association

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Recommended Citation

Pacific Alumni Association, "Pacific Review June 1961 (Bulletin of the University of the Pacific)" (1961).
Pacific Magazine and Pacific Review. 175.
<https://scholarlycommons.pacific.edu/pacific-review/175>

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BULLETIN
of the



Pacific Review

and Alumni Issue



JUNE
1961

Pacific Alumni Association

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BULLETIN of the UNIVERSITY of the PACIFIC

Vol. 49

June, 1961

No. 9

PUBLISHED 16 times a year: Once in April, May, June, September, and October; twice in January, February, March, and November; and three times in December.

PACIFIC REVIEW issues are published in October, November, December, January, February, March, April, and June.

ENTERED as second class matter at the Post Office, Stockton, California, April 15, 1924, at special rate of postage provided for under section 110, Act of October 3, 1917.

EDITORIAL STAFF: E. M. Crigler, Joan Ulrich, Donald Smiley.

IN REVIEW

Commencement, 1961

As the heraldic sound of the bugles and the answering strains of "Pride of Pacific" filled the late afternoon air on June 11, the black-gowned degree candidates and the Pacific faculty, the black of their robes broken by the varied hues of their hoods, began their procession into Pacific Memorial Stadium for the institution's 104th commencement exercises.

The occasion was one highlighted by several "firsts."

The location of the ceremony itself was a departure from the traditional staging in Baxter Stadium, which is the site now being converted into quadrangle living units for several of the University's projected cluster colleges.

Following the main address, the bachelor of music candidates stepped forward to receive the first bachelor's diplomas to bear the "University of the Pacific" seals in 50 years. The 110-year-old institution made the transition back to the name under which it functioned from 1852 to 1911 during Founder's Day rites in January.

During the ceremony, Phillip Sanders of Sacramento, Yukio Sakamoto of Reedley, and Melvin Finos of Kingsburg, the first three students to complete work for their Doctor of Pharmacy degrees at Pacific, came to the rostrum to take the pharmacy oath from Dr. Ivan Rowland, dean of the School, before being awarded their diplomas. The optional six-year program for the doctorate incorporated into the curriculum of the pharmacy school in 1959.

A breakdown of degrees awarded shows 353 baccalaureates in music, civil engineering, management engineering, pharmacy, science, and the arts; 90 master's degrees in music, science, and the arts; three Doctor of Pharmacy degrees; and two Doctor of Education degrees.

Mrs. Bertha Bowman Barton of Stockton was acknowledged as standing first academically in her class

DOCTOR BRUBECK: President Robert E. Burns prepares to hood Dave Brubeck '42 after conferring on him an honorary Doctor of Music degree.





when she received her bachelor of arts degree with highest honors. Her name will be inscribed on the M. Friedberger and Company scholarship plaque. Joyce Anne Robbins of Stockton also graduated with highest honors.

For three members of the Pacific staff, commencement was especially meaningful. E. M. Crigler, director of public relations, and Dr. Arthur Beckwith, chairman of the business administration department, presented bachelor's degrees to their daughter and son, respectively. Miss Martha Pierce, associate professor of English, was on the stage also when her nephew, Lyman Macpherson, received his bachelor of arts degree.

Erlinda Bigornia received her degree from her father, Reverend F. G. Marquez, who delivered the benediction.

Dr. Burns conferred six honorary degrees.

The first, a Doctor of Pedagogy, went to Dr. Ernest J. Bauman, director of Ward College in Buenos Aires, Argentina, for his dedication to the cause of Christian education. Ward College is one of the noted Methodist high schools with which Pacific will cooperate in the establishment of liberal arts junior colleges as a facet of its Inter-American Studies program.

Richard D. Smith, dean of students at the University of Puget Sound, also received a Doctor of Pedagogy degree in recognition of his administrative ability and service to students.

David Brubeck, one of the nation's leaders in progressive jazz, received an honorary Doctor of Music

degree. A member of the Class of 1942, Brubeck was cited for his creative genius and leadership in modern music and his stand for equal rights for all races at great personal cost. He has refused to accept engagements which would discriminate against colored members of his organization.

J. Martin Winton, member of the State Board of Pharmacy from Fresno and a pioneer in the development of Pacific's School of Pharmacy, was awarded an honorary Doctor of Public Service degree.

Reverend Daniel D. Walker, pastor of the First Methodist Church in Santa Monica, received an honorary Doctor of Divinity degree. He has served in the pulpits of leading churches in California and Oregon and made outstanding contributions to student life in Berkeley and Eugene.

James McGiffin, the recipient of an honorary Doctor of Humanities degree, was cited as an "outstanding layman, with a long and brilliant record as a director of youth activities, now director of Christian education and youth work of the Outpost and Mission Conferences of the Methodist Church, and an unusually faithful worker in the missionary enterprises of the church."

President Burns also recommended 218 for various California education credentials. They were for general elementary teachers, various classifications of special and general secondary teachers, junior high and junior college teachers, pupil personnel services, and administrators at both levels.

I PLEDGE: The first three candidates for the Doctor of Pharmacy degree from Pacific take the pharmacy oath from Dean Ivan Rowland.



KNOWLEDGE IS

Printed below is the major portion of the commencement address given by Dr. Arnold Joyal, president of Fresno State College.

The speech contained a vital message not only for the members of the Class of 1961, but also for all educated people.

For most of you who today are receiving college degrees, the world looks very rosy. Life should look good. Most of you are young. You have received a fine education; the future is a great challenge. We all congratulate you and wish you every success.

From many viewpoints, the future seldom looked better. Never have our people been economically more prosperous. Never were there greater opportunities for service. Seldom, if ever before, has a graduating class "had it so good" for four years of a college career.

But that is unfortunately only part of the story. While it is true that the road ahead may look pleasant for *you* right now, it is also true that there are storm clouds on the horizon. For *many* people in many parts of our world, the future is full of uncertainty, fear, and gloom. In some places, people are hungry and oppressed. Any realist in the audience will recognize that your rosy future is challenged as never before; that we can be optimistic about the future only so long as we can be sure that our democratic way of life is preserved. The principal factor conditioning future events in America is the degree of our commitment to our American system of government and to the freedoms it guarantees. And it is about this freedom which I wish to speak.

Incidentally, this theme, I know, is one which this University emphasizes. For many years I have known your President and enough members of the faculty and staff to be perfectly sure of that!

OUR MOST PRECIOUS HERITAGE

Millions of people today are talking about freedom. Some, like me, are talking about how to preserve it. Others are debating how to obtain it. Still others are scheming ways to destroy it.

If I were to ask each of you graduates what you regard to be the most important problem facing *you* right now, I would get a wide variety of answers. Some might say "finding a good job." Others might say "continuing my education." A few might say "getting my hands on that diploma." But I repeat—the most important problem which faces us in America is the preservation of our democracy. Freedom is our most precious heritage; it is the most significant single factor influencing our nation's destiny and *your* personal welfare.

I do not need to remind you about the nature of the problems which face us, of the tensions and frustrations which exist in our world. Mere mention of the words Cuba or Khrushchev, Congo or Trujillo convey the idea which I have in mind. Or closer to home—"price-fixing" or freedom riders."

Many of us, I am sure, often wish that such unpleasant ideas would just fade away. Many of us, I fear, tend to shrug off the challenges which these words suggest. We can see no possible solutions to such difficult problems as a divided Berlin or belligerent Red China. These really are tough problems. We are baffled and perplexed!

PROBLEMS PERSIST

Many people have observed quite correctly that although we have learned how to launch a man into space, we have not yet learned how to guarantee people freedom to travel in certain countries of the world, or, under some conditions, to travel within our own states. Although we can make a hydrogen bomb, or send a submarine around the world under water, we cannot gather peacefully around a conference table and work out satisfactory solutions to international problems. In other words, we have a great deal of knowledge about our world and about ourselves, but for some reason we are unwilling or unable to live together in peace. We have a great deal of knowledge, but we do not have the ability to apply it in the solution of our social and political problems.

I hardly need remind you of the progress which our nation has made in the field of science and technology. Today one can often fly from New York to San Francisco quicker than he can get home from the airport. It is commonplace to hear some professor start his sentence with "Last Thursday while we were held up by bad weather in Bangkok." I am constantly amazed by the amount of food which our industrialized agriculture can produce—a situation which has resulted in food surpluses which we cannot begin to consume. Our problem in agriculture is most perplexing. As President Kennedy has observed, a large part of the peoples of the world goes to bed hungry. Yet our problem in America seems to be one of controlling our waistlines.

Yes, we have the knowledge. We have a great reservoir of facts. Our college graduates have great technical skill; they really know the answers to most of our technical problems.

But I submit that knowing the answer is not enough! If we are going to preserve our way of life in America and defend the freedoms which comprise the genius of our democratic system, our citizens, and most particularly our leaders, meaning you, need something more than

NOT ENOUGH

answers. Can truly educated people stand by idly in face of the threat of global warfare, or the discriminations and injustices which still exist within our domestic society? Can we Americans who claim to be concerned with the defense of our freedoms be smugly satisfied with factual knowledge and technical skill and permit the enemies of democracy to win the battle for the minds of men? That is just what they are attempting and with considerable success on a worldwide basis.

IMPORTANT IN THE QUOTIENT

Quite as important as knowledge are the beliefs, attitudes, convictions, and dedication of our citizens. Today the educated person must be willing to stand up and be counted on significant issues. Today the knowledgeable person must be willing to express his firm faith in our system of government. Believing that it is the best system is not enough. He must be willing to stand up and say so and to explain why he thinks so. I have a colleague who constantly reminds me that feelings are facts.

I was in Russia and Yugoslavia about three years ago and I had a chance to see and feel something of the dedication of the communist to his cause. As a matter of fact, I crossed paths with President Burns on that trip and drank the Yugoslav version of coca-cola with him and Mr. Ted Baun in Belgrade. I went with a group of eighteen educators, not on a junket, but as a member of a traveling seminar which had scheduled meetings with important communist leaders and Russian scholars. I visited universities and talked to students. I cannot take time to recount my experiences. I can tell you that I shall never again be complacent in the face of the communist threat to our freedoms. The educated communist not only has knowledge but he has convictions. Right or wrong, he believes in his system and is dedicated to it. He believes that the communistic doctrine will soon dominate the world!

THE SCHOLAR'S ROLE

A great many people believe that colleges and universities teach the facts all right, but somehow fail to instill in their students a fundamental faith in our democratic system. Some people suspect, and I suppose a few believe, that our institutions of higher learning are failing our society at a time when democracy needs support. Such is *not* often and *not* generally the case, although I confess that I can understand why the critics may sometimes have reason to believe that it is. Some professors do create the impression that the true scholar never takes a position on anything; that merely to know or recite the pros and cons of a question without setting forth a conclusion somehow or other has scholarly merit. Some students today seem to feel that it is unscholarly actively

to support a just cause, or enthusiastically to take a positive position on a sound proposition, or to defend a personal religious faith. Not all professors and students, mind you, not even a majority, but some.

A decent and reasonable tentativeness *is* the mark of a scholar. The careful student and the good teacher *should* consider carefully all evidence and *should* withhold judgment until adequate facts are available. But in our modern world, the *effective* scholar and the *real* leader must do more than that. He must also state his position, express his faith, and actively support and defend the values and the attributes which have made our nation and our society great. Knowledge, again, I say, is not enough!

World events are moving very fast and the world is going to keep right on moving. The pace will accelerate rather than slow down. The future will be more strenuous, not less strenuous. Scholars and educated men and women cannot sit idly by merely debating pros and cons. Not with respect to social or political issues, and not with respect to moral or religious problems. Too much is at stake!

I could single out and discuss any one of several facets of this general problem. I could elaborate and illustrate. But I have pointed to freedom as the most significant concept in our modern world. Our future as a civilization is going to rise or fall on the fateful decisions of the next few years with respect to the East-West struggle. As students you may have all the knowledge you can acquire with respect to just what Communism is and just what Democracy means. You may be able to recite all the facts. You must already have passed the examinations in an institution which I know is committed to the ideals I have described. But, knowledge, I say, is not enough. You must take a stand. You must actively defend that position. You must do everything you can to support that belief in every aspect of life and living.

A PERSONAL RESPONSIBILITY

This, I submit, is a personal responsibility. It demands a personal commitment. The obligation is not an easy one. The basic conceptions inherent in freedom, as we understand freedom in America, are not exclusively intellectual. You cannot successfully argue with a communist about Communism solely on a factual basis any more than you can convince an atheist of the existence of God with objective evidence. Democracy involves faith, and trust, and attitudes of mind, and courage. These are attributes which must be developed in our citizens. Feelings are involved, and convictions about the sacredness of life and man's destiny in the sight of God. And that is precisely what my colleague means when, in dealing with problems at Fresno State, he reminds me that "feelings are facts."

REPORT FROM AFRICA

"Diversity is the key word in Africa."

This was one of the observations made by Mrs. Marion O. Pease, associate professor of education, after her return from an extensive tour of the continent that recently has been a prime source of international news.

This diversity is found in the climate, which varies from temperate to tropical; in the people, from the pygmies to the tall Masai; and in the black-white ratio, which varies from 3 to 1 in South Africa to 330 to 1 in Nyasaland, among other things, Mrs. Pease said.

Africa can be thought of as two sections: Mediterranean Africa and "Black" Africa. During her discussion, the Pacific educator dealt with "Black" Africa.

Turning to the living conditions, Mrs. Pease said that most of the people in the rural areas live in huts of various shapes, all of which are without windows or chimneys. In the towns, these huts become mostly shacks and shanties.

Many of the men dress in ragged Western garb, but, as one moves north, one sees more and more of the long, white, flowing robes, Mrs. Pease observed. On the west coast, the men, when they dress up, don the beautiful robes often pictured.

Some of the women in the cities wear Western clothes. In general, however, they wear a long skirt, either full, sarong-type, or straight, and some sort of blouse or shirt. In Ethiopia, many of the women were in white outfits that more often than not were "tattle-tale gray," the traveler said.

Although there are means of travel, mostly the people walk, Mrs. Pease said. "One sees them carrying tremendous loads on their heads or backs."

Mrs. Pease recalled seeing one man with a headload on top of which there was an umbrella on top of which he had perched his hat. He also was carrying a chicken under his arm!

"Language is a real problem in Africa, which has 700 different tribes, each with its tribal language," Mrs. Pease observed.

Although there is some similarity in the languages, people still have a lot of difficulty understanding each other. This was magnified in 1885 when Africa was divided up without regard for tribal boundaries.

"So even though they may have a common background, the educated men are not educated in the same language, which is a divisive factor," Mrs. Pease said.

The language to be used in the schools is one of the great problems, she said. She talked with the teachers of an Indian school in Kenya who were quite excited about an experiment they were carrying on. In two classes of six-year-olds, the youngsters were being instructed in the language native to most of them and were taking English as a foreign language. Then, in the third and fourth grade, English would become the medium of instruction. In two other classes, the students were started in right

away reading and writing English, even though they couldn't speak it.

Another variation found in many schools is teaching in the native tongue to start, then in Swahili, and then in English, according to Mrs. Pease.

During her stay in Africa, she visited Amon Nsekela, who received his master's degree from Pacific this year, and found the Nsekelas teaching their 26-month-old son three languages: the tribal language, Swahili, and English.

Discussing the religious situation in the country, Mrs. Pease said there have been Protestant and Catholic missionaries there for some time and there are some Christian converts. The Muslim religion has more of a following and is spreading more rapidly, however, possibly because it accepts more of their local customs, such as polygamy.

"In general, about two-thirds of the people follow their tribal religion," the teacher said, cautioning again that she was speaking only of that area known as "Black" Africa.

Can Africa leap into the 20th Century? Mrs. Pease thinks there are a number of customs standing in the way of modernization and progress.

The first of these is the tribal organization which, she said, is breaking down but is still the commonest organization. Its disintegration is sometimes not good, however, because there is nothing to take its place, she cautioned. This has meant conflicts, too, between the "old guard" and the young, or "new," Africans; between the rural and urban segments; and between the illiterate and the educated.

"The greatest virtue in most has been conformity to the tribal image. This doesn't make for advancement," Mrs. Pease said.

The second custom is land usage patterns. Many of the tribes have held the land communally and do not understand what land ownership means, she said. When the white people came to many of the areas, they set up reserved sections for the Africans; now the question is how to confine them to these areas, she added.

Mrs. Pease also said that agricultural land is very poor, with geographers estimating only 10 per cent of it is arable. The people, such as those in East Africa, learned to rotate the crops, sometimes on a seven-year cycle. This caused displeasure among the Europeans, though, who did not like the land idle for this long.

A third custom that is slowing down progress is the work patterns.

In agriculture, particularly in subsistence agriculture such as is found in Africa, there are times when one works hard, but the rest of the time is more leisurely, the educator said. The idea of working eight hours a day five days a week is not in the African's life pattern, she explained.

The men were traditionally warriors, hunters, or cattlemen. Now they are miners, farmers, or servants,

none of which has status for them in the traditional pattern. This has created conflict, she said.

Commenting on the white-African situation, Mrs. Pease said, "There is a heavy legacy of injustice and iniquity that the white man has built up and is still adding to."

"The whites don't even think of the Africans as people," she said, giving as an example a girl in Asmara who told her the population of the town was 3,000. When Mrs. Pease scowled, the girl said, "Oh, I mean 3,000 whites."

The people suffer constant "pinpricks," constant denials of freedom and dignity, she noted.

What do the Africans want? Mrs. Pease listed four major points.

First, politically, they want independence and freedom from colonialism and both power blocks. Second, they want a decent life, with social and economic develop-

ment. Third, they want education, as a means of helping themselves. Fourth, and most important, they want status, as individuals and as nations.

Mrs. Pease came away with a number of favorable facts that gave her encouragement as she looked toward the future. She said she found in most places a "great reservoir of good will for the United States," some good leadership, some responsible movements for cooperation between the African countries, and a movement of Africans into government jobs. She also noted an emphasis on education, health, and community development.

The situation offers two challenges to us, she said.

First, can the white man, who at the moment and very temporarily has power, not merely accept the colored people but forget their color and accept them as human beings?

Second, is the white man willing to give the help, guidance, and economic aid over a long period of time to do the job?

Forensic Team Ends Successful Year

Pacific's forensic squad again proved that "the word's the thing" by finishing out their 17-tournament season with a total record of 95 trophies and nine sweepstakes wins.

In commenting on the number of trophies taken, Paul Winters, Pacific's debate coach, said that many people are under the impression that trophies are easily won, when actually they are not.

"The average number of trophies won by approximately 200 colleges and universities competing in intercollegiate forensics is about 10," he said. "The top number, outside of Pacific's 68, recorded by the colleges reporting to the American Forensics Association last year was 29."

The squad tallied a first-second-third record of 18-11-4 in debate, with wins in 340 out of 541 rounds. In oratory, the team record was 10-5-5; extemporaneous, 10-7-1; interpretation, 6-4-3; improptu, 4-6-0; discussion, 2-2-0; expository events, 0-3-1; and after-dinner speaking, 3-2-2.

The key to the successful season, according to Winters, was the number of people who participated in the forensics program. Of the 53 on the roster, 28 took first places, 30 won one or more trophies, and 34 placed in one or more events.

Some of the outstanding members of the squad were junior Steve Collins, who took three firsts and one second place in debate, two firsts and a third in oratory, one first and a third in extemp, and a first in improptu; sophomore Jinny Kahle, who took a number of the top three places in debate, extemp, oratory, interp, after-dinner speaking, and book review; and senior Denise Reynolds, junior Brenda Robinson, and sophomore Al Pross.

Named as outstanding senior in forensics at the recent campus Awards Assembly and undoubtedly an



TOPS: Mr. Kloph, director of forensics at the University of Hawaii, congratulates Horace Wheatley after the Pacific student received the HONOLULU STAR-BULLETIN trophy as top senior division speaker in the Hawaii Invitational.

important factor in Pacific's brilliant season was Horace Wheatley of San Francisco. The winner of 18 trophies, he took seven firsts and two seconds in debate, two firsts in extemp, two seconds and one third in oratory, one second in interpretation, and a second in after-dinner speaking. At his last collegiate tournament, the Hawaii Invitational, he received the *Honolulu Star-Bulletin* trophy as the best speaker in senior division competition.

THE FALLON HOUSE STORY



The houselights will go up soon at the Fallon House Theatre for the twelfth season on the first-class dramas, comedies, romances, and musicals that have become the trademark of Pacific's Columbia repertory players.

The history of Pacific's Fallon House, although comparatively short in years, has been an exciting narrative studded with the names of familiar plays and familiar personalities.

The idea of restoring the famous Gold Rush landmark was the "brain child" of President Robert E. Burns, an avid student of California history. Pacific purchased the theatre, restored it, and, when Columbia became a state park, deeded it to the state.

The gala opening during the three-day Centennial Celebration in July, 1949, was both a reminder of the past and a portent of the promising future as the players presented the melodrama "Under the Gaslight" to capacity audiences three times a day. Among those listed in the handbill of the premiere performance were Chuck Holtz, Marcia Lou Brown, Max Gobel, and Martha Pierce.

In 1950, the Columbia Company presented its first regular season, with four plays scheduled for a five-week period. In 1953, a fifth play was added to the repertory schedule and the season was extended to six, and then seven, weeks.

The success of the Fallon House venture has been the fruit of the labors of DeMarcus Brown, Pacific Theatre head who has guided the summer theatre venture since its inception, and the 20 to 30 members of each summer's company.

For the players, Fallon House is an enlightening experience in all phases of theatre, because appearing before the footlights is only one facet of their summer's work. The star of one play may find himself serving as prompter or stage manager for another repertory presentation. The whole group pitches in for set-building and also works in costuming and lighting.

The carefully selected group each summer is comprised not only of Pacific Theatre stand-outs, but also of drama teachers, coaches, and students from other colleges and universities throughout the country. Included in this year's company will be a man from Washington, D. C., and three students from the state of Washington, for example.

The annals of performers through the years include the names of Ken Kercheval, who is now in New York; Keith Roper, a popular teacher; Arlen Digitale, who

just received his master of fine arts degree from Yale; Jack Jones, who is in Hollywood; Bill Sibley, now active in the Sacramento Theatre; Rod Elin, a 1961 graduate who starred in many Pacific Theatre productions; and Pat Cornell, who will be spending her fourth season at Columbia this year.

Topping the hit list of the 58 plays that have been presented in the last ten years are "Strange Bedfellows" and "Camille" in 1950, "The Emperor of San Francisco" in 1950 and 1960, "Kiss and Tell" in 1953, "Gigi" in 1954, "Peg O' My Heart" and "Blithe Spirit" in 1955, "The Tender Trap" in 1956, "The Seven-Year Itch" in 1957, "For Love or Money" in 1958, and "Gay 90's Revue" in 1959.

The 1961 season also promises a variety of productions designed to please the palates of all summer playgoers, beginning with "The Whole Town's Talking," a farce by John Emerson and Anita Loos set in 1914, on July 1.

Marcia Lou Brown will return to the floorboards in a production of Helen Hunt Jackson's "Ramona," and the troupe also will do the modern comedy "Reluctant Debutante," a recent movie version of which starred Debbie Reynolds and Rex Harrison. Completing the repertory season will be the farce "Jumpin' Jupiter" and a Western revue.

Fallon House has become an increasingly popular attraction for tourists, Stocktonians, and residents of the Valley and Bay areas over the years. In 1960, a record-breaking total of over 6,700 came to the picturesque theatre during the company's season.

The troupe this year will live in newly completed Eagle Cottage, an authentic Gold Rush hotel that has just been restored next to the theatre. The building features dormitory sleeping areas for men and for women, accommodations for head residents and a cook, and kitchen and dining facilities.

Performances at Fallon House are scheduled on July 1, 2, 6, 7, 8, 9, 12, 13, 14 and 15 and every Tuesday through Sunday thereafter until August 13.

For interested alumni who are planning trips into the Mother Lode area and do not want to miss an evening of enjoyment, tickets, priced at \$2 on all nights except Saturday, when they are \$2.50, may be obtained by writing Fallon House Theatre, Columbia. Because weekend nights are usually sell-outs, it is advisable to write ahead for reservations on these nights in order to avoid disappointment.

PACIFIC MARINE STATION

The Wonders of the Sea

At Pacific, it is not "down to the sea in ships," but "down to the sea" to the institution's Marine Station, located a few hundred yards south of the resort community of Dillon Beach in Marin County.

Facing the open sea at the confluence of 12-mile-long Tomales Bay and Bodega Bay, the Station is situated in an area which is known as the richest habitat for the greatest variety of marine life from the Gulf of California to Canada. Within a radius of a mile around the establishment are exposed and sheltered rocky shores and sandy beaches, salt and brackish marshes, fresh water ponds and streams, sand dunes and fossil beds. Also located in the immediate area are oyster beds, clam flats, diverse and abundant fauna, and many species of fish.

Because of this wealth of resources, Dillon Beach has been a well-known collecting ground for marine biologists for over 60 years and since 1933 has been the site of spring and summer field courses conducted by various institutions.

To meet the increasing need for more adequate facilities at the site, Pacific established the Pacific Marine Station of Biological Science, with Dr. Alden E. Noble as director, in 1947. Under Dr. Noble's guidance, a program of biological research and leadership training in the natural sciences was set up, with opportunities for training and research at the graduate level in marine biology. The station also conducts special programs for those who wish biological instruction of a more general nature and offers an Easter vacation course in marine biology. Also included in the summer program are a series of lectures for the amateur scientist—including an early morning seaweed excursion which has brought out from 50 to 60 persons annually.

In 1957, Dr. Joel H. Hedgpeth, for 10 years previously a summer school instructor, was named director

of the Marine Station. A writer and researcher as well as administrator, Dr. Hedgpeth is one of four pycnogonida, or sea spider, authorities in the world.

At present, the PMS houses the largest collection of these strange spiderlike creatures ever collected in one place. These are being used for a National Science Foundation-financed project in which the Marine Station director and William G. Fry, a graduate student from Cambridge University, are studying pycnogonids collected in the Antarctic during the International Geophysical Year by American and New Zealand scientists. In connection with this work, the NSF recently awarded Pacific \$550 to finance in part a trip by Fry to McMurdo Sound in Antarctica in November or December to collect the sea spiders, using methods that will make them useful for further detailed studies. He also hopes to observe the creatures in their natural habitat.

In addition to the NSF grants for the pycnogonid studies, various state and national organizations have recognized other valuable contributions being made at the Station and have awarded a number of grants for specific projects.

For example, under a grant to the Kaiser Foundation from the U. S. Public Health Service, Dr. Edgar J. Martin recently completed studies at the Marine Station of poisons found in certain Samoan sea anemones in hopes of adding to a greater knowledge of anesthetics and of the poisonous tides which periodically destroy all life in certain sea areas.

The Fish and Game Department has issued contracts to PMS for a study of salmon in local streams and research on oyster pests. Robert Hamby from San Jose State College and G. Irwin Haydock from California Polytechnic College, two resident graduate students, are working on these projects under the direction of Dr. Hedgpeth.



Dr. Joel Hedgpeth, director of the Marine Station and one of the four pycnogonida authorities in the world, works on the classification of a collection of sea spiders made in the Antarctic by U. S. Operation Deep Freeze and the New Zealand Antarctic Expedition.

(Photo By Donald G. Kelley, courtesy of PACIFIC DISCOVERY.)

The Marine Station director also is supervising graduate student R. Ward Renshaw in basic research on ocean currents off Bodega Bay, a project which is being carried on under a recent \$3,600 NSF grant. Renshaw will use samplings of plankton, particularly the chaetognaths or arrow worms, as his principal method of studying the current. Plankton have long been used as indicators of water masses and water movements. The master's degree candidate also will make weekly cruises aboard a commercial fishing boat in addition to his work at the Marine Station. The area under study is of particular interest to oceanographers because it is "located in the Transition Water Mass and Subarctic Water Mass," Dr. Hedgpeth explained.

During the past year, approximately 3,000 visitors and students have found their way to the Station. Many have been tourists who came to inspect the public displays; many have been high school, college, and university groups who spent periods from a day to a long week-end involved in marine study; and a number have been scientists from many parts of the world who came to visit Dr. Hedgpeth or to use the Station's facilities for research in their specialized fields.

Although the visiting groups and field trips, along with the activities of the regular students, keep the Marine Station a center of activity throughout the year, summer is the busiest time on the PMS calendar.

This year, in addition to its regular activities, the institution will carry out a research participation program for high school and junior college teachers under a \$13,305 NSF grant. During the 10-week course, the eight teacher-participants will work on phases of the biological and hydrographic survey of Tomales Bay currently in progress, form an independent team for re-

Ward Renshaw, master's degree candidate, records depth and salinity from Frautschy Bottles on one of his frequent oceanographic studies. He is now making weekly runs under a NSF grant to study currents.



search on bottom sampling, and participate in seminars and individual study.

The physical plant of the Marine Station consists of two large buildings. The first houses two large classroom-laboratories, a graduate research laboratory, two individual office laboratories, a library, research museum, stock room, and dark rooms. Sea water is provided in the laboratories, and the building is supplied with fresh and distilled water, gas, and electricity.

The research museum contains an ever-growing collection of marine invertebrates, both from local waters and other regions throughout the world, comprising the largest reference collection found at a Pacific Coast marine station. In addition to the main museum, a smaller study collection of common local species is maintained in one of the teaching laboratories, and specimens are exhibited in display cases in the hall.

The dormitory building contains living accommodations for both men and women, individual rooms for visiting investigators or staff members, a kitchen and dining-commons room, a shop, and an informal lecture hall.

The Marine Station also maintains a 36-foot converted landing craft, the *Bios Pacifica*, and is readying a 26-foot motorized whale boat for summer use.

The reputation of the Marine Station has spread beyond the boundaries of the United States, as President Robert E. Burns and Academic Vice-President Samuel L. Meyer found on their South American study tour last summer. At the University of Sao Paulo, Brazil, a young student who had toured U. S. marine stations two years before under a Guggenheim fellowship told them that she had found Dillon Beach, the site of PMS, the best grounds for specimen-collection of any she had visited.

Graduate students Dean Griffin, Robert Hamby, and Renshaw cast drift bottles overboard as a part of the current study. Bottles have come ashore from Vancouver Island to Pismo Beach.

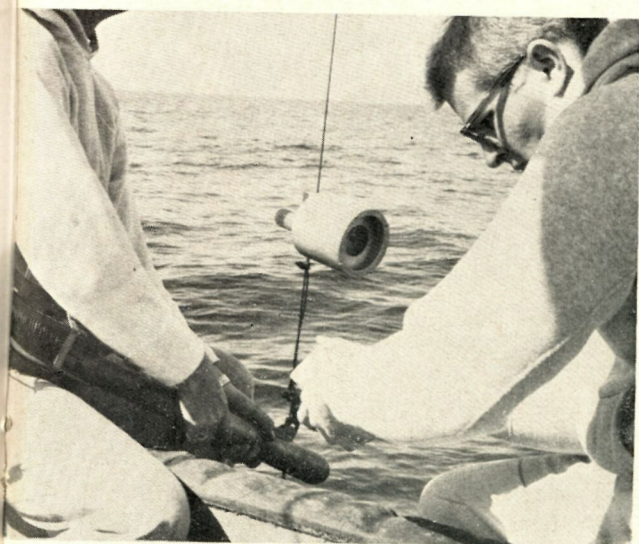




Renshaw empties a Nansen bottle, which is used for recording salinity and the temperature of sea water at varying depths.



The plankton tow is a vital part of the current study. The minute plants and animals are abundant in the stormy Pacific waters off the Marin and Sonoma County coasts.



Above: Renshaw (left) and Griffin mount a depth gauge. Right: The two master's candidates tie on a bathythermograph after mounting the depth gauge.

(All photos courtesy of Ed Smith of the Marine Station.)



THE *Campus* NEWS FRONT

EVANS NAMED OUTSTANDING FACULTY MEMBER

Dr. W. Vincent Evans, associate professor of art, was named outstanding faculty member of the 1960-61 academic year by the Pacific Student Association at the annual Awards Convocation held on campus in late May.

A member of the Pacific faculty since 1956, Dr. Evans will retire this spring. During his years at Pacific, he has taught psychology, geology, and art.

DRIVER TRAINING GRANT RECEIVED

The department of health, physical education, and welfare received a \$1,750 grant from the Allstate Foundation last month for training high school teachers of driver education.

One of four institutions in the state receiving such grants, Pacific will use the award for scholarships for 32 participants in a two-unit summer school course in driver education training.

This is the fifth year the Foundation has supported the program and marks over \$500,000 that it has given for driver education training.

HELTON INITIATED INTO TWO HONORARIES

Dr. Floyd Helton, chairman of the mathematics department, was initiated into Omicron Delta Kappa, national men's leadership honor society, and Phi Kappa Phi, national scholastic honorary, recently.

Elected as a charter member of the ODK circle at Central Methodist College, Missouri, Dr. Helton was initiated by Dr. Samuel L. Meyer, academic vice-president and member of the University of Tennessee circle, in Stockton rites authorized by the Executive Committee of the organization's General Council.

The math department head was one of 28 initiated into the Pacific chapter of Phi Kappa Phi during the organization's Honors Day ceremonies in May.



COBB RECEIVES HONORARY DEGREE

Union College conferred a Doctor of Humane Letters degree on Dr. Emerson G. Cobb, chairman of the Pacific chemistry department, during its 82nd commencement ceremony May 30 in Barbourville, Kentucky.

A 1928 graduate of Union, Dr. Cobb was cited for "distinguished service to humanity through leadership in Christian higher education."

The recipient of a master's degree from the University of Kentucky and a doctorate from the University of North Carolina, the faculty member began his teaching career in Kentucky high schools. He also taught at Louisiana Polytechnic Institute and was chairman of the chemistry department at Dakota Wesleyan University before coming to Pacific in 1948.

Noted for his research on natural plant products, coloring matters, and polyhydroxy compounds, he is a member of the American Chemical Society; Sigma Xi, national scientific honorary; and Phi Kappa Phi, national scholastic honorary.

PACIFIC GETS AEC GRANT

The Atomic Energy Commission has awarded a grant of \$3,448 to the department of pharmaceutical chemistry in the School of Pharmacy for undergraduate training in the use, handling, and processing of radioactive pharmaceuticals.

The award, which was received through the AEC Division of Biology and Medicine, will be used for equipment and supplies to enrich a presently existing course in Drug Analysis.

"Training in the use of radio-pharmaceuticals is being adapted in many schools in response to their increased use as therapeutic and diagnostic agents," Dr. Arnold Alpert, chairman of the department and course instructor, said.

The course work relating to radio-pharmaceutical analysis will include six to eight lectures on the fundamentals of radioactivity and radiation, measurement methods and hazard control, sample preparation, analytical applications, data handling, the use of radio-pharmaceuticals in diagnosis and therapy, and their applications in the pharmaceutical industry.

The student also will participate in six three-hour laboratory periods dealing with health safety, the nature of ionizing radiation, use of monitors, and decontamination experiments.

P - A - C - I - F - I - C : Hoarse voices and lots of exercise are in store for Pacific's new cheerleaders and song girls. Leading the cheers will be (l. to r.) John Thomas, Bill Rose, head yell leader John Ball, and Bruce Bettencourt. Pom-pom girls will be (l. to r.) Judy Ludwig, Pam Bentley, head sing girl Nikki Davis, Sally Robinson, and Martha Grannell.

Dancing With Del - HOMECOMING '61



DEL COURTNEY

Dancing to the music of Del Courtney and his band will be the perfect ending to a perfect day for Pacific alumni November 11 when they return to campus for annual Homecoming festivity.

A member of the Class of '31, which will be holding its 30-year reunion, Courtney will bring his famous musical group to the Stockton Golf and Country Club for the after-game dance that will so adequately put the cap on a day that has bubbled over with the fellowship and festivities that are the trademarks of every Homecoming celebration.

Included on the long list of major hotels throughout the country where Courtney and his band have been the headliners are the Palace, the Roosevelt in

New Orleans, the Edgewater in Chicago, the Mark Hopkins, and the St. Francis.

The band has made a recent hit album, is in demand throughout the Bay Area for dance engagements, and is the official musical organization for the Oakland Raiders and San Francisco Giants.

In addition to his career with the band, Courtney has a three-hour daily radio program over a San Francisco station.

Student and alumni committees are already working on the day's events—from the parade in the morning to the after-game ball—to make this Homecoming one of the most memorable in alumni history.

Special receptions and banquets are on the agenda for each of the seven reunion classes. Heading the planning committees for their classes are Mrs. Louise (Floyd) Irely '26, Taubner Hamma '31, Dr. Max Childress '36, William Rempser '41, Mrs. Marie (Arbros) Boyle '46, Howard Pearce '51, and Fred Busher '56.

BENGALS PREPARE FOR 1961 SEASON

"The Hungry Tigers" will "Get the Old Cheers Ringing" when they take the field under head coach John Rhode for their opening game September 16 against Long Beach State.

The Bengals, who looked promising in their spring drills and in their 20-14 defeat of the varsity, which included in their line-up such Pacific greats as Dick Bass, will be

playing a lot of exciting football during their nine-game season.

In addition to the season opener, the home game schedule includes tilts with Fresno State on October 7, San Diego Marines on October 21, Los Angeles State on October 28, and San Jose State on November 11.

Out-of-town games are scheduled with San Jose State on September 22,

San Diego University on September 30, New Mexico State on October 14, and the University of Idaho on November 4.

A handy ticket order form is printed below to insure alumni and other interested parties of choice seats during the 1961 home games, which will begin at 8 p.m. in Pacific Memorial Stadium.

Athletic Department

UNIVERSITY OF THE PACIFIC
STOCKTON 4, CALIFORNIA

I WISH TO ORDER:

.....season books at \$12.50	\$.....
NUMBER	AMOUNT
or individual game tickets for.....	
.....at \$2.50	GAME \$.....
NUMBER	AMOUNT
Side preferred: Press box.....Rooting section.....	

NAME.....

ADDRESS.....

(Please include \$.25 to cover mailing.)

KEEPING UP *with the* ALUMNI

1921

MRS. G. WARREN WHITE (RUBY ZAHN) was the first prize winner in the small oil painting category in the annual spring exhibit of the Stockton Art League.

1928

CLARENCE MOSSMAN and his development of a chain of Salad Bowls was the subject of a recent feature story in *The Bakersfield Californian*. An office manager with Shell Oil Company's San Joaquin Division 13 years ago, he struck out on his own when the company asked him to move from Bakersfield. Opening his first Salad Bowl restaurant in 1948, Mossman now runs two Salad Bowls, The Chicken House, The Party Center, an extensive catering operation, and a retail outlet. Not resting on his laurels, Mossman has plans for another Salad Bowl restaurant and expansion of his catering and bakery operations.

GEORGE KNOLES has returned from a 10-month teaching stint at the Stanford campus in France to resume his duties in Palo Alto.

MELVIN LAWSON has been named superintendent of schools in Sacramento.

1933

ED WESTGATE '33 who turned from farming before the war to real estate development afterwards, lists as his most recent entry in the field a multi-million-dollar hotel in Maui, Hawaii, which will be leased to the Sheraton chain after its completion in June, 1962.

1934

MRS. EMERSON WESTCOTT (WINIFRED WILSON) was recently elected second vice-president of the California State Division of the American Association of University Women. Active in the Stockton and Sequoia branches, she has held offices as administrative assistant and recording secretary at the state level. She has been an elementary teacher in Whittier schools for the past year.

1935

JOHN and KATHRYN (HEISE) '37 FARR were featured in an article

in the *Monterey Peninsula Herald* citing their home-building activities. After having a contractor lay the foundations and build the shell framework for the home, which is situated on a hill in Carmel Woods, the family did all the rest, including the plumbing, wiring, and construction of the used brick fireplace. The FARRs also devote much of their time to Church of the Wayfarer youth groups, Scouting, the Carmel Youth Center, and Carmel Music Society.

1936

WALT FOSTER, for 13 years director of athletics at Analy High School in Sebastopol, was the featured "Personality in Sports" in a recent *Press-Democrat* article. A graduate of Analy, he made the full circle—lettering in football and basketball at Pacific, beginning his teaching career at Yreka High School, going to Sierra High School in Fresno County, serving a tour in the Navy, returning to Analy, going back to Sierra High School, and finally coming again to Analy. In addition to being athletic director, he coaches track.

1937

DR. ISABEL ING, her doctor husband and their 20-month old daughter are at home in Stockton after 3½ years of medical missionary work in British Guiana and Trinidad.

1939

Pacific alumni meet everywhere! When LORRAINE '21 and EDITH '25 KNOLES were touring South America last year, they noticed a car with an orange and black tiger in Buenos Aires and found it belonged to LEON LOVEY, who is a patent attorney in the South American city and a member of the University Club there.

1944

BARBARA BAXLEY has won the Critics Circle Prize as the best actress of the season in Philadelphia for her comedy role in the Broadway hit "Period of Adjustment" by Tennessee Williams.

ARTHUR LE CLERT, now on duty at the U. S. Naval Ordnance Plant,

Forest Park, Illinois, was recently promoted to the rank of commander in the U. S. Navy Supply Corps. The alumnus recently completed a three-year tour of duty with the NATO Headquarters for the Southern Europe Region in Naples, Italy. Mrs. LeClert is the former Peggy Lindhorst.

JANE SCOTT, who previously taught at Stockton High School, Stockton College, and Pacific, is now an assistant professor at the University of West Virginia, where she is involved mainly in music education and music education extension work. She has started music extension courses in five different countries and anticipates adding a sixth location next year.

1946

LIONEL OLSEN '46, director of pupil personnel services in Petaluma, and WILLIAM MANNING, M. A. '49, superintendent of schools in the same city, are the authors of an article on "Developing a Districtwide Counselor's Handbook," published in the May issue of the *Journal of Secondary Education*.

1947

FRANK S. PIERSON has been appointed a municipal judge in Modesto by Governor Edmund G. Brown. Admitted to the bar in 1951, he has served as Modesto district attorney since 1955. He is a member of the local, state, and national bar associations, has served two terms as president of the Stanislaus County Peace Officers Association, is a member of the law and legislative committee of the District Attorneys Association, and has taught law courses at Modesto Junior College.

ELTON BURGSTAHLER was musical director for a recent production of "Finian's Rainbow" at Southwest Missouri State College. As the show's accompanist, he played the piano, harmonica, piccolo, and celestette, but "not all at the same time," he said. He was on the staff of Millikin University, where he directed six operas, for seven years before joining

the SMSC music faculty in 1956. He has published 21 works and has performed with the Springfield Civic Symphony and municipal band.

1950

ROBERT WILSON is in business as an industrial art designer in Newport Beach.

MALCOLM SEAGRAVE'S "First Symphony" was performed by the Eastman-Rochester Symphony Orchestra, under the direction of Dr. Howard Hanson, at the 31st annual Festival of Music at the University of Rochester's Eastman School of Music in late April. He was one of 27 American composers whose works were featured during the event. A graduate student at Eastman, the alumnus is taking work leading to the Doctor of Musical Arts degree. His symphony was previewed earlier in the year during the School's annual Symposium of Student Works for Orchestra.

1951

LEONARD BOONE, former vice-principal in the Mt. Diablo Unified School District in Concord, has been

promoted to principal of Hillcrest Elementary School.

1952

MRS. CARL SALONITES (NADINE STUHL MILLER) appeared in a May production of Verdi's "Requiem" with the Stockton Symphony Orchestra. She also was featured as the countess in a recent Oakland Symphony presentation of "Marriage of Figaro."

1953

MYRA KAUKA WATTS, in addition to being the mother of four children and seeing her husband through his mechanical engineering degree, is working for her elementary credential and master's in elementary education at Cal Poly.

STANLEY VOLBRECHT will join the Pacific faculty in the fall as an assistant professor of geology. A graduate with high honors and a member of Phi Kappa Phi, he had done additional graduate work at the University of Wyoming and is scheduled to receive his master of science degree from Stanford University in June. He has been a teacher at Stockton College since 1956.

BARBARA NEWLIN '61 of Stockton and Duane Miller of Victor in an evening ceremony on May 13 in Stockton's Lincoln Presbyterian Church. The newlyweds are establishing their first residence in Victor.

BARBARA BAXLEY '44, well-known radio, motion picture, theatre, and television actress, and Donald Taylor in a private ceremony in Port Chester, New York. The couple is living in New York City, where the groom is a writer for television.

March 27. Head of Lowell High School music department for many years, the alumna became head of the music department at the City College of San Francisco when the institution opened in 1933 and remained there until her retirement last year. She also made numerous appearances with the San Francisco

1954
KEITH WONG has been named principal of Monroe School in Stockton. He formerly was vice-principal of Stockton's Van Buren School.

1956

ROBERT BADGER is now the pro at the Woodland Country Club.

GEORGE MILEY has been appointed assistant manager of casualty and fire in the Travelers Insurance Company in its Phoenix office. He will serve the entire Arizona territory.

1957

DALE WAHLER has opened a consulting civil engineering office in Stockton. He previously was with the Division of Highways and the Napa Sanitation District.

1958

ART LEWIS will be principal violist with the Buffalo Symphony next year. After graduating from Pacific, he received his master's degree from the New England Conservatory in Boston and studied for a year under a Fulbright grant in Europe, where he was a member of a string quartet presenting concerts on the Continent.

EVA LU TARR '56 and Robert Kerner in August rites last year. They are living in Sacramento, where she is teaching sixth grade and he is in real estate.

JESSYCLER PEREIRA '59 and George White in January 7 ceremonies in her hometown of Rio de Janeiro, Brazil. The newlyweds are currently residing in Phoenix, Arizona, his hometown, but they hope to move to Stockton in the near future.

Opera Company and on the concert stage.

MRS. JOHN JACOBSEN (ALLEGRA MILES) '28 died unexpectedly in Shafter on March 28. A Stockton resident before moving to Shafter 14 years ago, the former Pacific student is survived by her husband and two children.

Marriages

DELMAR JACOBS '55 of Stockton and Margaret Betz of Atherton in quiet nuptial rites in Reno, Nevada, on April 29. The newlyweds are residing on the Peninsula. The groom is associated with the U. S. Title and Guaranty Company in Redwood City.

Deaths

FLOSSITA BADGER '18, widely known San Francisco singer, musician, and teacher, passed away on

Campus Events

SUMMER CALENDAR

academic

JUNE 20—JULY 21

First Summer Session

JULY 24—AUGUST 25

Second Summer Session

JUNE 13—JULY 21

National Science Foundation Institute
for High School Students

JUNE 19—AUGUST 25

National Science Foundation for
Teachers

JUNE 18—AUGUST 25

Mental Health Work-Study Program

AUGUST 6—11

Registrars Workshop

music and dance

JUNE 18—JULY 23

16th Annual Pacific Music Camp

JULY 23—AUGUST 5

14th Annual Folk Dance Camp

theatre

JULY 1—AUGUST 13

Columbia Summer Drama Troupe
presents its 12th repertory season

Opening play:

"The Whole Town's Talking"

Fallon House Theatre in Columbia

Curtain time nightly, 8:30 p.m.

Closed Mondays

JUNE

SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.
					1	2 3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

special events

JUNE 13—18

Annual Methodist Conference

JUNE 19—JUNE 25

Kappa Phi Council of Chapters
Convention

JUNE 21—23

Evangelical United Brethren
Annual Conference

JULY 16—21

Presbyterian Northern California
School of Churchmanship

JULY 24—28, AUGUST 14—18

Women's Society of Christian Service
School of Missions

JULY 26—AUGUST 22

Western Jurisdiction School for
Courses of Study

AUGUST 11—13

Methodist Young Adult Workshop

AUGUST 18—20

Lutheran Walther League Conference

AUGUST 25—27

Augustana Luther League Conference

AUGUST 27—SEPTEMBER 1

Augustana Luther League Leadership
Training School