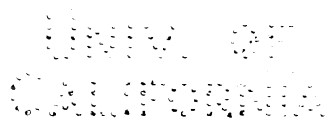


UNIVERSITY OF CALIFORNIA

Biennial Report of the President of  
the University on behalf of the  
Regents to His Excellency the  
Governor of the State

1908-1910



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## MARINE BIOLOGICAL STATION

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SAN DIEGO, July 1, 1910.

*To the President of the University,*

SIR: The chief facts in connection with the work and progress of the Marine Biological Station during the last two years are as follows.

Miss Ellen B. Scripps has added \$200,000 to the gifts previously made by her. Although the money does not come into the actual possession of the Station until the probation of the donor's will, interest on it at six per cent. is now available for the running expenses of the Station. The gift is to stand as an income-producing endowment. Miss Scripps further provides by will that under specified contingencies certain other sums, the total amount of which would be determined by the conditions specified, shall come to the Station.

This increase in the income-producing resources of the Station was made on condition that the Scientific Director should take up his residence at La Jolla and devote most of his time to the work of the Station. Professor Ritter consequently moved with his family to La Jolla in June, 1909. It was deemed best that Dr. Ritter's connection with the Department of Zoology of the University should not be fully severed, and an arrangement was concluded whereby certain duties, including a course of instruction at Berkeley each year, should be performed by him and that a portion of his salary, at present one-third, should be furnished by the University.

The first permanent building on the new site near La

Jolla is now ready for occupancy. It is equipped with twelve private laboratories and one large room available for laboratory use by several persons, and it will accommodate about twenty-five investigators. The building is two stories in height, is of reinforced concrete, and is as nearly perfect in plans and construction for the use to which it is to be put as European and American experience with such laboratories could make it. Its cost, including salt-water pumping plant, concrete tower and water tanks, septic tank for sewage, and furniture, will not exceed \$25,000.

During the last year important additions have been made to the scientific equipment of the Station. This has been partly for the work at sea and partly for the work ashore. Nearly all the purchases were made in Europe by Professor Kofoid during his Sabbatical leave from the University. The apparatus is mostly from models that have been developed by the International Commission for the Investigation of the North Sea, our undertaking having no counterpart, so far as its investigations at sea are concerned, in the United States.

Experience has made necessary several rather important changes in the Station's boat, the *Alexander Agassiz*. Her mainmast had to be made shorter and lighter; it was found best to transfer her steering gear from aft forward, and to build a wheel-house and chart-room; a naturalist's house has been built aft; and a new and larger sounding machine, necessitated by the larger sounding cable which comes as a part of the new equipment, is now being installed. This new machine will have its own engine on deck, thus freeing the hoisting engine for its own particular use.

During the past winter about 16,000 trees have been planted on the Station site, probably half of the entire 170 acres being covered. On the mesa portions of the land most of these are eucalyptus, of thirty-three species which have been found to flourish on the sea coast. Pines and ornamental shrubbery have been largely planted on the building site proper. Special effort is being made in favour

of native California shrubs and plants, particularly the unique Torrey pine now extinct except in this locality.

The permanent salaried workmen at present connected with the Station are: William E. Ritter, Scientific Director; Ellis L. Michael, Scientific Assistant; Myrtle Johnson, Scientific Assistant; Nina Waddell, Librarian (on part time); John Dahl, Master of the *Alexander Agassiz*; and Louis German, Superintendent of the Grounds. Non-resident members of the staff, that is persons carrying on research for the Station who receive compensation for their work, but spend only a small part of their time at La Jolla, are: Professors C. A. Kofoid and H. B. Torrey, Zoologists, University of California; Professor C. M. Child, Zoologist, University of Chicago; Professor C. O. Esterly, Zoologist, Occidental College, Los Angeles; George F. McEwen, Physicist and Mathematician, Stanford University; and H. C. Burbridge, Physicist and Chemist, Stanford University.

Respectfully submitted,

WM. E. RITTER,  
Scientific Director.