

cated on Market Street, the Club has always maintained the closest relationship with the Academy. Dr. H. H. Behr, First Vice President of the Academy at that time, was the first president of the Club, but from the time of its origin the Academy's Curator of Botany has been the active leader of the organization at its meetings and on its excursions. Mrs. Katharine Brandegee was the leader in the beginning, but the organization was scarcely more than a year old when Miss Alice Eastwood became the active leader, and she has remained in charge ever since.

During the years the Academy has received valued support from the Club, and the collections and library of the Department of Botany have been particularly enriched by gifts of plants and books, both from the Club and from individual members. Now, on the occasion of its fiftieth anniversary, the Academy wishes to express its gratitude and congratulations, and trusts that the California Botanical Club will continue in the future to fill as adequately its place in the cultural and scientific life of San Francisco and California.



APPLICATIONS FOR MEMBERSHIP

NOTICE is hereby given to all Corporate Members that the Council at its meeting, April 18, 1941, approved the applications of Mr. A. S. Russell and Mr. Felix T. Smith for MEMBERSHIP and Mr. Theodore Aarons, Mr. Allen Bartel, Mr. Chester Carlsen, Mr. Tris Coffin, Mr. Jack Corbett, Mr. Curt Flanagan, Mr. Ellsworth Hagen, Mr. Kenneth S. Hagen, Mr. Le Roy Hoffman, Mr. James W. Jones, Mr. Manuel Marquis, Mr. John Ricohermoso, Miss Phyllis Roos, Mr. Clifford Wakefield, and Mr. Robert N. Wing for STUDENT MEMBERSHIP in the California Academy of Sciences. If no objection to the election of these applicants be received at the office of the Academy within two weeks after May 1, 1941, they will be considered elected.

ACADEMY NEWS LETTER

Number 17

May, 1941

Scaife Lecture on May 7

THE REGULAR MAY MEETING of the California Academy of Sciences will be held in the Auditorium of the Pacific Gas and Electric Company, 245 Market Street, San Francisco, on Wednesday evening, May 7, 1941, at eight o'clock. The speaker of the evening, Major Edward H. Bowie, of the United States Weather Bureau, will take as his subject

MODERN WEATHER FORECASTING

MAJOR BOWIE, Principal Meteorologist, United States Weather Bureau, is the dean of forecasters of his organization. He has been actively engaged in the forecasting of winds and weather for more than forty years. He is in charge of the Forecast Center in San Francisco where he has been stationed since 1924. Prior to coming to San Francisco he was Supervising Forecaster of the Weather Bureau with headquarters in Washington, D. C.

He was commissioned a Major in the summer of 1917 and was ordered to France with the American Expeditionary Forces; while there he advised the Commander-in-chief of coming weather events, issuing forecasts for as long a time in advance as could be done based on the limited area for which weather maps were drawn. Meteorology, especially forecasting, was acknowledged to be an important aid in the conduct of military and naval operations during the war of 1914-18 and has become increasingly so during the war now being waged in Europe and contiguous areas.

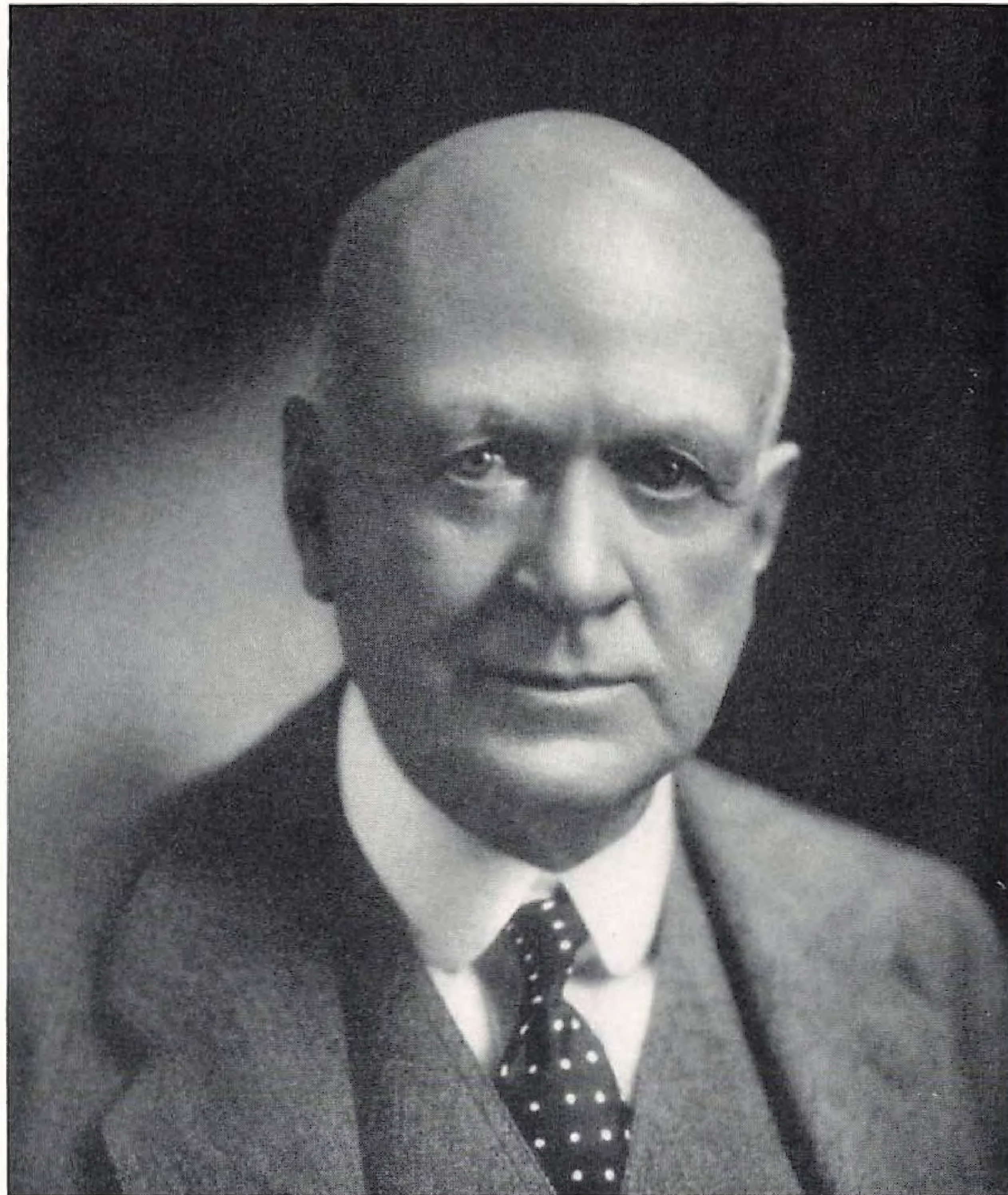
Advances in the science of forecasting during the last generation have resulted in part from the discovery of a means of communication by radio that has made possible the early securing of weather reports from ships at sea and from remote areas such as the interior of Alaska and northern Canada and the islands of the Arctic Ocean; and in part from improved equipment. The latest device for exploring the upper air is the radiosonde, a robot weather observer, that on being carried aloft by a balloon filled with helium sends back to earth a record of the changes in barometric pressure, temperature and humidity encountered.

The lecture will be illustrated with motion pictures. This is the second lecture of the twenty-first series of free illustrated lectures on the Beauties of Nature on the Walter B. Scaife Foundation. The public is cordially invited.

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CALIFORNIA ACADEMY OF SCIENCES

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JOSEPH D. GRANT
MEMBER OF THE ACADEMY FOR SIXTY YEARS

ACADEMY PERSONALITIES

JOSEPH D. GRANT, Vice-President of the Board of Trustees of the California Academy of Sciences, has the distinction of having been a member longer than anyone else in the Academy. It was on April 4, 1881, that he was enrolled as a Life Member, and in 1916 that he became a Patron. Elected a Trustee in 1906, he has served steadily in that capacity since that time, and is now the senior member of the Board.

Son of pioneer parents who came in the early Gold Days, he is still active as a man of affairs, linking old-time San Francisco with the city of today and of tomorrow. His has been a life full of interest and accomplishment. After his attendance at the University of California, as a young man he traveled extensively in Europe and Asia; but he was by nature a worker and he returned to an active career in California business and ranching.

In three important fields of Western industry—petroleum, steel, and hydroelectric power—Joseph D. Grant has been a leader, and in each of them he pioneered. He was First Vice-President of the General Petroleum Corporation; President of the Columbia Steel Corporation; and Chairman of the Board, California-Oregon Power Company. He is now President of the Grant Company, a Director of the Bank of California, and of several corporations.

But business affairs have not monopolized his time—far from it. In the cultural life of the West, Mr. Grant has taken an active part. Since 1891 he has been a life trustee of Stanford University. He was one of the early members of the Seismological Society of the Pacific. He has served as President of the San Francisco Art Association, and is among the long-time members of the Pacific-Union Club (of which he has been President), the Bohemian Club, the Olympic Club, as well as the Union Club, New York, and St. James's Club, London.

He has had as friends (besides many outstanding personalities in the West) such interesting personages as Horace Vachell, the English novelist, John Hay, Whitelaw Reid, Winston Churchill, Sir Henry Irving, John Hays Hammond, A. Conan Doyle, Hall Caine, Sir Edwin Arnold—just to name a few.

A public cause in which Mr. Grant has been very active is the Save-the-Redwoods movement, which has been called the most successful conservation movement in America. Mr. Grant has been Chairman of the Board of Directors, Save-the-Redwoods League, for 20 years, and he has been instrumental in the development of the California State Park System.

His enthusiasm for the work of the California Academy of Sciences has been manifested in many ways. The San Joaquin Valley Bird Group exhibit in the North American Hall was presented to the Academy by Mr. Grant.



THE CALIFORNIA BOTANICAL CLUB

ON MARCH 7 of this year the California Botanical Club passed the fiftieth milestone of its active and useful existence. Founded in 1891 in the rooms of the Botanical Department of the California Academy of Sciences, then lo-