

PALMER & REY TYPE FOUNDRY, San Francisco, Cal., 405 and 407 SANSOME ST., HERCULES GAS AND GASOLINE ENGINES,

Officers.—Juda Newman, President; P. E. Bowles, Vice-President; T. J. Parsons, Treasurer; T. C. Friedlander, Secretary. Secretary's office, 24 Merchants' Exchange.

SAN FRANCISCO RETAIL DRUGGISTS' ASSOCIATION.—C. A. Bayly, President; James G. Steele, Secretary, 635 Market street.

SAN FRANCISCO SHIP CALKERS' ASSOCIATION.—Organized October 23, 1878. Number of members one hundred and sixty-four. Meets third Tuesday of each month in Drews' Hall. T. F. Mangan, Secretary.

Officers.—George E. Connolly, President; John Comyns, Vice-President; Thomas F. Mangan, Secretary; Lawrence Comyns, Treasurer.

SAN FRANCISCO STOCK AND EXCHANGE BOARD.—Organized September 11, 1862. Meetings held daily at 9:30 A. M., and 2:30 P. M., at 331 Pine street.

Officers.—A. F. Coffin, President; William Edwards, Vice-President; O. V. Walker, Chairman; Geo. T. Marrye, Jr., Treasurer; Fred. W. Hadley, Secretary.

SAN FRANCISCO TYPOGRAPHICAL UNION, NO. 21.—Organized 1872. Number of members, nine hundred and fifty. Meets on the last Sunday of every month, at 32 O'Farrell street. Rooms 606 Montgomery street.

Officers.—M. L. Farland, President; W. B. Benoist, Secretary; J. P. Olwell, Treasurer.

SCAVENGERS' PROTECTIVE UNION.—Organized August 17, 1879. Meets every Saturday evening at 1628 Powell street. Number of members about two hundred.

SHIP AND STEAMBOAT JOINERS' PROTECTIVE ASSOCIATION.—Organized February, 1881. Meets third Wednesday of each month in Drews' Hall, 121 New Montgomery street.

SPORTSMAN'S CLUB OF CALIFORNIA.—Organized February, 1876. Incorporated August, 1876. Number of members, sixty. Objects, preservation of fish and game, and retention of fishing preserves, etc. Office, 132 Market street, room 15.

STEAMSHIP SAILORS' PROTECTIVE UNION OF THE PACIFIC COAST.—Organized April 21, 1886. Object, mutual protection. Number of members, seven hundred. Meets every Tuesday at 9 Mission street.

STEVEDORE ENGINEERS' PROTECTIVE ASSOCIATION.—Meets first and third Friday of every month at St. George's Hall.

TAILORS' PROTECTIVE UNION.—Organized September 21, 1873. Meets second and fourth Mondays of each month at Eintracht Hall, 316 Post street. Objects—The better protection of the trade and to promote the interests of its members.

THE STOCK AND BOND EXCHANGE.—Officers—John Perry, Jr., President; Aug. Helbing, Vice-President; R. G. Brown, Chairman; Edward Barry, Secretary; Daniel Meyer, Treasurer; 22 Merchants' Exchange.

TYPE FOUNDERS' UNION.—Meets on the second and fourth Thursdays of each month at 539 California street.

N. GRAY & CO., UNDERTAKERS, 641-643-645 Sacramento street.

Literary, Scientific, Etc.

CALIFORNIA ACADEMY OF SCIENCES.—Organized April 4, 1853. Number of members, two hundred and forty. Academy of Sciences Building, 819 Market street.

H. W. Harkness, President; H. H. Behr, First Vice-President; J. G. Cooper, Second Vice-President; T. S. Brandegee Corresponding Secretary; J. R. Scupham, Recording Secretary; L. H. Foot, Treasurer; Carlos Troyer, Librarian; J. Z. Davis, Director of Museum.

Board of Trustees.—Charles F. Crocker, Chairman; D. E. Hayes, W. C. Burnett, George C. Perkins, E. J. Molera, Adolph Sutro and John Taylor.

Curators.—Walter E. Bryant and L. Belding, Mammals and Birds; D. S. Jordan and C. H. Gilbert, Fishes; Dr. J. G. Cooper, Conchology; Dr. H. H. Behr and Charles Fuchs, Entomology; Katharine Brandegee and Alice Eastwood, Botany; Dr. E. S. Clark, Paleontology; Charles A. Keeler, Comparative Osteology; Melville Atwood, Mineralogy.

Committee on Publication.—Dr. Gustav Eisen, J. R. Scupham and Frank H. Vashit.

The regular stated meetings of the Academy are held on the first and third Monday evenings of each month.

THE ASTRONOMICAL SOCIETY OF THE PACIFIC.—(Incorporated.) Rooms at 819 Market street, San Francisco.

This society was founded February 7, 1889, as a result of the cordial co-operation of amateur and professional astronomers in successfully observing the total solar eclipse of the preceding New Year Day. It seeks to continue that association both as a scientific and as a social force. The new society is designed to be popular in the best sense of the term. Any person who takes a genuine interest in astronomy is invited to join its membership, whether he has made special studies in this direction or not. It is believed that every such person will get, and will feel that he gets, a full return from the society through its meetings or through its publications. Quite a number of ladies are members of the Society. Three meetings a year (March, November, January) are held in San Francisco at the rooms of the society (California Academy of Sciences Building, 819 Market street) and three meetings (May, July, September) are held at Mount Hamilton, where an opportunity is afforded to the members to see and use the instruments of the Lick Observatory. The society has a membership of more than four hundred.

The Publications are printed in octavo form at irregular intervals; two hundred or more pages a year may be expected. The Publications contain papers read before the society (either in full or in abstract) many plates, etc., the minutes of the meetings, and also notices from the Lick Observatory, which are brief and popular accounts of the current work of that establishment prepared by members of the observatory staff. Such notices have previously been printed in various astronomical journals, but in future they can be found in full only in the Publications.

The Publications of the society are sent (in exchange) to about one hundred observatories and academies of science. They can be obtained also by joining the society (dues, \$5 for each calendar year, no initiation fee; life membership, \$50). A diploma is issued to members. Correspondence should be addressed to either of the Secretaries as below. W. W. Campbell, Lick Observatory, Mount Hamilton; F. R. Ziel, Secretary and Treasurer, 410 California street, San Francisco.

CALIFORNIA ENTOMOLOGICAL SOCIETY.—Meets at rooms of California State Board of Horticulture, 220 Sutter street. Ed. M. Ehrhorn, President; Alexander Crow, Secretary.

CALIFORNIA HISTORICAL SOCIETY.—Incorporated as the Historical Society of the State of California, April 29, 1852. Reorganized in 1878. Reincorporated March 5, 1886. Objects: To collect, preserve and diffuse information relating to history. Meetings on the second Tuesday evening of each month. Rooms, 819 Market street.

Hon. James V. Coffey, President; A. S. Hubbard, Secretary and Librarian.

CALIFORNIA PHARMACEUTICAL SOCIETY AND COLLEGE OF PHARMACY.—The society was incorporated December 10, 1871. The college was incorporated August 7, 1872, and affiliated with the University of California June 18, 1873. The society and college were consolidated January, 1878. Lectures given at the Hall of the College of Pharmacy, 113 Fulton street, between Polk and Van Ness avenue, for a term of six months.

The main object of the institution is to unite the apothecaries of this State in organized efforts to elevate the standing of those engaged in the profession. The society meets quarterly or oftener for the discussion of topics of scientific and practical interest to the pharmacist.

Officers.—C. E. Worden, President; S. H. Melvin

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