

NEMOPHILA

Meeting and Field Guide

CALIFORNIA BOTANICAL SOCIETY

OCT. 7, 1920

NUMBER 10

The purpose of the Society is to promote the botanical study and investigation of California plants, to diffuse knowledge concerning them, and by lectures, field-trips, exhibitions and publications to deepen interest in the native flora amongst the people of California.

FIELD TRIPS AND MEETINGS

Sunday, Oct. 10. "Graystone." Take Piedmont Ave. car to Caperton Ave. Walk up to 32nd and Mountain Ave. Turn to right. Meet 10:30 a. m. Leave lunch and explore immediate region. After lunch take trip under direction of leader. Leaders, Misses Sellander.

Saturday, Oct. 16, Sunday, Oct. 17. Mt. Diablo Country Club, south base of Mt. Diablo. Leave Oakland, 40th and Shafter, Saturday, 1:30 p. m. or 4:30 p. m.; on Sunday, 8:30 a. m. Change cars at Saranap for Diablo station. Bring sleeping bag and food for entire time. Total expense about \$2.00. Field trip on Sunday under direction of leaders. Leaders, Dr. E. F. Card, Mr. Geo. B. Furniss.

Sunday, Oct. 31. Redwood Cañon. Take Oakland-Antioch train at 40th and Shafter, Oakland, 10:10 a. m. Get off at Cañon. Lunch. Afterwards those wishing to climb take trip to Moraga Ridge.

Sunday, Nov. 14. Crystal Lake. Leave San Francisco, 5th and Market, San Mateo electric, 8:40 a. m. Get off at Burlingame. Trip to Crystal Springs, about 10 miles round trip. Return to home of leader, 6 Middlefield Road, cor. Peninsula Ave., Burlingame. It is possible to charter a motor bus at a slight increase in cost which will shorten the walking distance, but in order to secure it those intending to go must notify the Secretary by Nov. 11. If bus is secured it will leave Fifth and Market Sts. at 9:00 a. m. Leader, Miss Dagmar Knudsen.

Saturday, Nov. 20. Regular meeting, 8:00 p. m. Room 212 Agriculture Hall, University of California. Lecture by Dr. W. A. Setchell, Dept. of Botany, University of California, on The Vegetation of Some of the Islands of the Pacific.

Sunday, Nov. 28. Tennessee Cove. Take 8:15 Sausalito boat and train for Manzanita station. Walk to beach. Lunch at Tennessee Cove. About 7 or 8 miles. Leader, Miss Elizabeth Smith.

Sunday, Dec. 12. Trampas Cañon. Take 8:30 a. m.

Oakland and Antioch train at 40th and Shafter. Leave train at Country Club station. Walk up Trampas Creek to top of ridge. Lunch at summit. About 10 miles. Leader, Miss Amy Rinehart.

YERBA BUENA LEAVES

Dr. G. J. Peirce, Professor of Botany in Stanford University, is spending his sabbatical year at Harvard University, in order to complete his new textbook on plant physiology.

Dr. P. B. Kennedy has been for some weeks in the field working on forage problems in the El Dorado National Forest.

Mr. Harold E. Parks, who guided the Society in the Guadalupe and Mt. Umunhum outings, worked on his collections for a few days in September at the University Herbarium, Berkeley.

Mr. Antone J. Soares spent a month during mid-summer in Yosemite and vicinity adding some fifty species to his collection of colored prints of native flowers.

Mrs. D. W. deVeer, the first Secretary of the Society, who gave so freely of her time and energy to the Society's interests, has left California to live at Douglas, Minnesota, for the time being.

Dr. A. A. Heller, Instructor in Botany in the Chico High School, passed the summer botanizing at Mt. Shasta and Mt. Eddy and at Crater Lake, Oregon. He writes that he prefers the latter station to any other botanical locality which he knows.

Dr. R. Kent Beattie, Pathologist in charge of the Office of Foreign Plant Quarantine of the Federal Horticultural Board, has recently visited California for conference with Mr. W. S. Fields who has charge of the work in San Francisco. This office has the promulgation and execution of quarantines on all plants and plant products in the raw or unmanufactured or processed state from foreign countries. The Federal Horticultural Board attempts to control and regulate the importation of plants and plant products in order to exclude the introduction of noxious or dangerous insects and plant diseases or isolate pest-infested areas of the country.

Dr. H. B. Humphrey, Pathologist in charge of the cereal investigations of the U. S. D. A., visited California during the latter part of August inspecting the experiments in progress at several places in the state. While in Berkeley he addressed the Agronomy Seminar, giving a general outline of the work of the office.

Mr. Charles Piper Smith, who has been for some years specializing on the genus *Lupinus*, has moved from the Eastern United States to California in order to be able to study Lupine plants in the field. He is now a member of the teachers' staff at the San Jose High School.

Under the direction of the Bureau of Plant Industry, Mr. Ellsworth Bethel, and a corps of assistants, have made extended explorations of the forest regions of California during the past season for the purpose of securing information relating to the biology of the rusts which injure forest trees. Their work has thus far failed to yield evidence of the presence of the much-dreaded blister pine rust which is causing much damage to the white pine forests of New England.

The officers of the Society are: President, Dr. W. L. Jepson; First Vice-President, Dr. W. S. Blasdale; Second Vice-President, Mr. A. L. Walker; Corresponding Secretary, Professor C. B. Bradley, 2639 Durant Ave., Berkeley; Secretary-Treasurer, Miss A. E. Ehlers, 2613 Durant Ave., Berkeley, telephone Berk. 3699; Second Corresponding Secretary, Professor Elizabeth Smith, College of Agriculture, Berkeley.

Field trips are not only for members but for all interested in the native flora of California. Anyone who is in sympathy with the objects of the Society may become a candidate for membership. If you are a member and do not receive the meeting notices it is because you are in arrears. Send dues to Miss A. E. Ehlers, 2613 Durant Ave., Berkeley, phone Berkeley 3699.

COMMITTEES FOR 1920-1921

Herewith follow the revised lists of committees. Anyone having knowledge of those of our number who would be useful to add to the committees are urged to recommend such members to the President of the Society. The first name on the committee is in each case the chairman.

Committee on Meetings: Prof. W. T. Horne, Dr. P. B. Kennedy, Miss Elizabeth Smith, Dr. W. C. Blasdale.

Committee on Library: Miss H. A. Walker.

Committee on Field Trips: Mr. A. L. Walker, Mr. C. W. Carruth, Miss Amy Rinehart, Mr. Paul Wilson, Mr. W. S. Fields, Prof. H. E. McMinn, Dr. E. F. Card.

Committee on Economic Plants: Mr. H. A. Walker, Prof. W. T. Horne, Dr. W. C. Blasdale, Prof. H. E. McMinn.

Committee on Conservation: Mr. Geo. B. Furniss, Mr. C. W. Carruth, Dr. E. F. Card.

Committee on Membership: Prof. W. W. Mackie, Mrs. Adeline Frederick, Mr. Paul Wilson, Miss Helen Bergfried.

Committee on Herbarium: Miss Harriett A. Walker, Miss Henrietta Burroughs, Mrs. Dudley Baird.

Committee on Auditing: Dr. J. P. Bennett, Dr. E. F. Card.

Publication Committee: Dr. W. L. Jepson, Prof. C. B. Bradley, Mr. J. B. Smith, Miss A. E. Ehlers.

PUNCTURE WEED

This plant, *Tribulus terrestris* L., which is a native of the Sahara Desert, was first observed in California near Port Los Angeles in 1903. It is now widely distributed from Red Bluff to the Mexican border and promises to be one of the most pernicious weeds thus far introduced. It belongs to the order Zygophyllaceae and produces on long runners a series of burrs, which consist of five spiny nutlets. The spines of these nutlets are long and stout enough to penetrate the tires of bicycles and even of automobiles when somewhat worn.—W. C. Blasdale.

BOTANIZING ABOUT SAW-TOOTH IN THE SOUTHERN SIERRAS

Around Mineral King the gentians were still doing quite bravely and on the first flat below Saw-tooth. Monday we roamed about Mineral King and fished. Tuesday morning we took a pack-horse and went to the Monarch Lakes for fishing, while I made a climb to a near-by ridge, just to feel the rocks of the mountain again under my feet, and from the heights look down on the surrounding glories.

Wednesday morning we started in the teeth of a nipping gale to climb Saw-tooth peak. The wind soon went down, however, and going was comfortable. Currant bushes were the heaviest in fruit that we had yet seen and we passed rocky ledges where troops of primroses were clustering close, but all in seed too.

Saw-tooth is a curious old mountain. On its north-east side it is cut sheer and perpendicularly down, yes, even under cut it seems, with the foot of this wall, over a thousand feet high, forming the inner edge of a deep green lake. We could see north as far as the Yosemite Peaks and as far south. Mt. Whitney was too close to look natural. Nestled in the scooped and polished basins about the foot of the mountain we counted eight fairly large lakes.

At noon we hastened down the mountain, because the ranger at Mineral King had promised to pack us into the Cliff Creek country that afternoon. By five in the afternoon we had returned to camp and again were on the trail over Timber Gap. In this country there was less evidence of such profuse flowering as on the other side of the gap, but the shrubs were about the same. From Atwell's Mill through Mineral King and up Farewell Gap way the dried plants bespoke a wonderfully rich spring growth in great variety. Saturday arrived all too soon and the change from pack-horse to machine.—Harriet P. Kelley, Sept. 21, 1919.