

H. C. Sprunger, Wickenburg, Arizona; H. W. Brandt, Cleveland, Ohio; all the above proposed by W. Lee Chambers. Edward J. Brown, Los Angeles; Clarence E. Smith, Woody; George Polkinghorn, Los Angeles; M. C. Badger, Santa Paula; proposed by A. E. Colburn. T. C. Stephens, Sioux City, Iowa, and Wm. H. Nevin, Pasadena, proposed by A. B. Howell. L. A. Tope, Clearfield, Iowa, by O. E. Baynard; M. R. Cheesman, Murry, Utah, by A. O. Treganza; T. T. Gillette, Pasadena, by H. A. Edwards; H. S. King, Gardena, by A. Cookman; J. A. Weber, Palisades Park, N. Y., by L. E. Wyman; W. A. Goelitz, Ravinia, Ill., by W. A. Strong; E. S. Coombs, Boston, Mass., by D. I. Shephardson; E. M. Anderson, Victoria, British Columbia, Canada, by H. S. Swarth. The resignations of Miss Edith S. Waterman, Alameda, and Robert B. Rockwell, Denver, Colorado, were read and accepted. The annual financial report of the business managers, covering the year 1914, was read and accepted. This ended the business before the meeting.

Mr. R. Magoon Barnes talked at some length, and most entertainingly, on certain phases of the work of keeping wild ducks, geese and swans in captivity, in which he is an acknowledged authority. His comments upon the Trumpeter Swan in particular brought home to those present many facts regarding this rare and little known bird which most of us either did not know or imperfectly realized. Mr. Fred Granville, recently returned from a trip to northern Alaska and Siberia, had on exhibition three skins of the Ross Rosy Gull (*Rhodostethia rosea*), adults and immatures, and two adults of the Spoon-billed Sandpiper (*Eury-norhynchus pygmeus*), together with photographs of other species of birds, nests and eggs. Dr. L. H. Miller exhibited an interesting series of bird photographs, mostly of exotic species; and Mr. Hegner showed pictures of winter scenes in some of the more remote parts of the San Gabriel Mountains. Mr. J. E. Law displayed a selection of specimens exhibiting most of the plumages of the Pacific species of Murres, Auklets, and Murrelets. Adjourned.—H. S. SWARTH, *Secretary*.

MARCH.—The regular meeting of the Southern Division was held at the Museum of History, Science and Art, Thursday evening, March 25, 1915. President Law was in the chair and the following members were present: Mrs. Gertrude Husher and Messrs. Blain, Brown, Daggett, Holland, Jewett, Little, Morcom, Nokes, Rich, Snyder,

Swarth, Willett and Wyman. Mrs. Law was a visitor. The minutes of the February meeting were read and approved, followed by the reading of the March minutes of the Northern Division and of the Inter-Mountain Chapter.

The following new members were elected: L. A. Tope, T. C. Stephens, Clarence E. Smith, H. C. Sprunger, W. S. Richmond, M. P. Skinner, Ernest M. Anderson, Edward S. Coombs, Walter A. Goelitz, J. A. Weber, Harold L. King, Thurlow T. Gillette, M. R. Cheesman, Wm. H. Nevin, M. C. Badger, George Polkinghorn, H. W. Brandt, H. H. Mitchell, George G. Cantwell, Joseph Kittredge, Jr., Herbert K. Job, and Edward J. Brown.

New names were presented as follows: Miss Ellen G. Scott, Tropicco, Calif., and Mrs. Katherine S. Wakeley, Los Angeles, both presented by A. E. Colburn; J. Frank Wilson, Monrovia, Calif., and Charles O. Trowbridge, Farmingham Center, Mass., by W. Lee Chambers.

A communication was read, received from Mr. A. B. Howell and dealing with the problem of bird banding. L. E. Wyman was appointed to take charge of the matter and see what could be done toward arousing the interest of Club members in this work. Adjourned.—H. S. SWARTH, *Secretary*.

DIRECTORY OF MEMBERS OF THE COOPER ORNITHOLOGICAL CLUB

Revised to May 1, 1915

(Residence in California unless otherwise stated. Year following address indicates date of election. Star preceding name indicates life member.)

HONORARY MEMBERS

Allen, Dr. J. A., American Museum of Natural History, New York, N. Y. 1910.
Beal, Prof. F. E. L., Biological Survey, U. S. Dept. Agriculture, Washington, D. C. 1910.
Belding, Lyman, Stockton. 1896.
Merriam, Dr. C. Hart, 1919 16th St., Washington, D. C. 1909.
Ridgway, Robert, 3306 New Hampshire Ave., N. W., Washington, D. C. 1905.
Stephens, Frank, 3746 Park Blvd., San Diego. 1912.

ACTIVE MEMBERS

Adam, Frederick, 603 Vassar St., Tropicco. 1914.
Adams, Ernest, Carlotta, Humboldt Co. 1896.

- Alexander, Annie M., 92 Seaview Ave., Piedmont. 1908.
- Alkire, W. H., 1756 Edgemont St., Hollywood. 1914.
- Allen, Amelia S., Mosswood Road, Berkeley. 1913.
- Allen, Arthur A., McGraw Hall, Ithaca, N. Y. 1911.
- Anderson, Ernest M., Provincial Museum, Victoria, B. C., Canada. 1915.
- Anderson, Malcolm P., Menlo Park. 1901.
- Andrews, Edna A., 2233 Ellsworth St., Berkeley. 1914.
- Appleton, J. S., Simi, Ventura Co. 1901.
- Armstrong, Edward E., 207 N. Michigan Ave., Chicago, Ill. 1914.
- Arnold, E., Freight Claim Agt., Grand Trunk Ry., Montreal, Quebec, Canada. 1909.
- Arnold, Ralph, 917 Union Oil Bldg., Los Angeles. 1893.
- Arnold, W. W., 504 N. Nevada Ave., Colorado Springs, Colo. 1911.
- Atkinson, W. L., 35 Hawthorne Way, San Jose. 1901.
- Atsatt, Sarah R., 345 S. Serrano Ave., Los Angeles. 1911.
- Averill, E. F., Pendleton, Oregon. 1914.
- Bade, Wm. F., 2616 College Ave., Berkeley. 1903.
- Badger, M. C., Santa Paula. 1915.
- Bagley, J., Box 46, Eureka. 1913.
- Bailey, Bernard, R. D. 1, Elk River, Minn. 1911.
- Bailey, Florence M., 1834 Kalorama Road, Washington, D. C. 1910.
- Bailey, Henry F., 94 Pacific Ave., Santa Cruz. 1914.
- Bailey, H. H., Box 154, Newport News, Va. 1903.
- Bailey, Vernon, 1834 Kalorama Road, Washington, D. C. 1904.
- Bales, Dr. B. R., 151 West Main St., Circleville, Ohio. 1906.
- Bangs, Outram, Museum of Comparative Zoology, Cambridge, Mass. 1910.
- Barbour, Rev. Robert, Y. M. C. A., Montclair, N. J. 1911.
- Barker, Fred, Parkers Prairie, Minn. 1914.
- Barnes, Claude T., 359 10th Ave., Salt Lake City, Utah. 1915.
- Barnes, R. Magoon, Lacon, Ill. 1908.
- Barrows, Albert L., 1430 Arch St., Berkeley. 1912.
- Barrows, Prof. Walter B., Box 183, East Lansing, Mich. 1909.
- Batchelder, Chas. F., 7 Kirkland St., Cambridge, Mass. 1910.
- Baynard, Oscar E., Clearwater, Fla. 1911.
- Beck, Rollo H., R. D. 21, San Jose. 1894.
- Bell, W. B., Agricultural College, N. D. 1912.
- Bennett, R. H., Room 409, 444 Market St., San Francisco. 1909.
- Bent, A. C., Taunton, Mass. 1909.
- Bicknell, Mrs. F. T., 319 S. Normandie Ave., Los Angeles. 1913.
- Bigelow, Homer L., Old Orchard Road, Chestnut Hill, Mass. 1910.
- Bishop, Dr. Louis B., 356 Orange St., New Haven, Conn. 1904.
- Blain, Merrill W., 1026 N. Coronado St., Los Angeles. 1909.
- Blayney, Nita A., 920 O St., Fresno. 1911.
- Bliss, J. G., 2148 B, Clinton Ave., Alameda. 1908.
- Boeing, W. E., 1100 Hoge Bldg., Seattle, Wash. 1914.
- Bohlman, Herman T., 202 Occident St., Portland, Oregon. 1903.
- Bolander, L. P., 2517 21st Ave., Oakland. 1907.
- Bowdish, B. S., Demarest, N. J. 1910.
- Bowditch, Charlotte, 2227 Upper Garden St., Santa Barbara. 1914.
- Bowles, J. H., The Woodstock, Tacoma, Wash. 1903.
- Boyer, Thos., Continental National Bank, Salt Lake City, Utah. 1915.
- *Bradbury, W. C., 1440 Race St., Denver, Colo. 1913.
- Braislin, Wm. C., M. D., 556 Washington Ave., Brooklyn, N. Y. 1910.
- Brandt, H. W., 2025 E. 88th St., Cleveland, Ohio. 1914.
- Brant, C. A., El Tovar, Grand Canyon, Arizona. 1914.
- Brewster, William, 145 Brattle St., Cambridge, Mass. 1904.
- Brooks, Allan, Okanagan Landing, B. C., Canada. 1906.
- Brooks, L., Box 338, New Bedford, Mass. 1913.
- Brown, D. E., Room 11, Federal Bldg., Tacoma, Wash. 1909.
- Brown, Edward J., 1733 Fourth Ave., Los Angeles. 1915.
- Brown, Mrs. Herbert, 233 N. Court St., Tucson, Arizona. 1914.
- Brown, Ronald K., 320 Broadway, New York, N. Y. 1914.
- Brown, Wm. J., 250 Oliver Ave., Westmount, Quebec, Canada. 1911.
- Brown, W. W., Jr., 543 E. Ocean Ave., Long Beach. 1909.
- Bryant, Mrs. Amy M., 2533 Hill Court, Berkeley. 1914.
- Bryant, Harold C., Museum of Vertebrate Zoology, University of California, Berkeley. 1910.
- Buckland, Hon. James, Royal Colonial Inst., Northumberland Ave., London, England. 1912.

- Burnett, W. L., Box 691, Fort Collins, Colo. 1910.
- Burnham, Dr. Clark, Bushnell Place, Berkeley. 1907.
- Burnham, Mrs. Clark, Bushnell Place, Berkeley. 1907.
- Burns, Frank L., Berwyn, Pa. 1909.
- Burtch, Verdi, Branchport, N. Y. 1910.
- Butler, Mrs. Edward Gay, Annefield, Berryville, Clarke Co., Va. 1914.
- Buturlin, Sergius A., Wesenberg, Esthonia, Russia. 1909.
- Caduc, Eugene E., 512 Massachusetts Ave., Boston, Mass. 1911.
- Cameron, E. S., Marsh, Montana. 1914.
- Camp, Charles L., 2334 Durant Ave., Berkeley. 1909.
- Cantwell, George G., Puyallup, Washington. 1915.
- Carpenter, Nelson K., Box 127, Escondido. 1901.
- Carriger, Henry W., 5185 Trask Ave., Oakland. 1895.
- Carriker, M. A., Cincinnati Coffee Co., Santa Marta, Colombia, South America. 1911.
- Case, Rev. B. F., Tolland, Conn. 1913.
- Case, C. M., 7 Holcomb St., Hartford, Conn. 1911.
- Chamberlain, C. W., 36 Lincoln St., Boston, Mass. 1912.
- Chamberlain, W. J., 429 N. 12th St., Corvallis, Oregon. 1907.
- Chambers, Fred W., 701 Walker Bank Bldg., Salt Lake City, Utah. 1915.
- Chambers, W. Lee, Eagle Rock. 1897.
- Chapman, Frank M., American Museum of Natural History, New York, N. Y. 1903.
- Cheesman, M. R., R. D. 3, Box 61, Murry, Utah. 1915.
- *Childs, John Lewis, Floral Park, N. Y. 1904.
- Clark, Josiah H., 238 Broadway, Paterson, N. J. 1910.
- Clay, C. Irvin, Box 353, Eureka. 1910.
- Clifton, H. T., 509 E. Walnut St., Pasadena. 1904.
- Coale, Henry K., Highland Park, Ill. 1907.
- Coffin, Sherwood, 35 Second St., San Francisco. 1911.
- Coggins, Herbert L., 2929 Piedmont Ave., Berkeley. 1910.
- Cohen, Donald A., Alameda. 1894.
- Colburn, A. E., 806 S. Broadway, Los Angeles. 1905.
- Commons, Mrs. Marie A., 608 Chamber of Commerce, Minneapolis, Minn. 1914.
- Conger, Dorothy, 2425 Oregon St., Berkeley, 1914.
- Cooke, Wells W., Biological Survey, U. S. Dept. of Agriculture, Washington, D. C. 1911.
- Cookman, Alfred, Moneta. 1912.
- Coombs, Edward S., 243 Franklin St., Boston, Mass. 1915.
- Cooper, James S., 827 54th St., Oakland. 1903.
- Crane, Ada Ethel, 19 Ross St., San Rafael. 1914.
- Craven, Jesse T., 811 Roosevelt Ave., Detroit, Mich. 1909.
- Crosby, Maunsell S., Grasmere Farms, Rhinebeck, N. Y. 1911.
- Culp, Charles H., Pacific Grove. 1914.
- Culver, Susan B., 2908 Channing Way, Berkeley. 1914.
- Currier, Ed. S., P. O. Drawer 21, St. Johns, Multnomah Co., Oregon. 1904.
- Daggett, Frank S., 2833 Menlo Ave., Los Angeles. 1895.
- Darlington, E. J., 2301 Monroe St., Wilmington, Delaware. 1911.
- Davenport, Mrs. Elizabeth B., Northern Ave., Brattleboro, Vermont. 1911.
- Davidson, Cassie A., 1523 Spring St., Berkeley. 1915.
- Davis, Evan, 339 E. Palmyra Ave., Orange. 1894.
- Davis, J. M., 811 O St., Eureka. 1908.
- Dawson, W. Leon, R. D. 3, Box 83, Santa Barbara. 1906.
- Day, Chester S., 15 Chilton Road, West Roxbury, Mass. 1910.
- Dean, W. F., Three Rivers. 1901.
- Deane, Ruthven, 112 W. Adams St., Chicago, Ill. 1904.
- Deane, Walter, 29 Brewster St., Cambridge, Mass. 1907.
- Dear, Lionel S., Box 456, Fort William, Ontario, Canada. 1914.
- Dearborn, Ned, Linden, Maryland. 1909.
- Decker, F. R., Box 201, Prosser, Washington. 1913.
- Dial, Dr. E. A., 1837 N. Wilton Place, Los Angeles. 1913.
- Dice, Lee R., Museum of Vertebrate Zoology, University of California, Berkeley. 1914.
- Dickey, Donald R., Box 701, Pasadena. 1910.
- Dickey, Samuel S., 31 S. West St., Waynesburg, Pa. 1911.
- Dille, F. M., 2927 W. 28th Ave., Denver, Colo. 1903.
- Dixon, Joseph, Escondido. 1904.
- Dolbear, Katherine E., Berkeley Inn, Berkeley. 1915.
- Douglas, J. S., Bin 7, Bakersfield. 1911.
- DuBois, Alexander Dawes, Dutton, Montana. 1911.
- Dunbar, W. Linfred, care of Remington Arms Co., Bridgeport, Conn. 1911.
- Duprey, H. F., Dixon. 1907.
- Durfee, Owen, Box 125, Fall River, Mass. 1911.

- Dutcher, Wm., 990 Central Ave., Plainfield, N. J. 1905.
- Dutton, P. C., 26 Litchfield Road, Stone Staffs, England. 1913.
- Dwight, Dr. Jonathan, Jr., 134 W. 71st St., New York, N. Y. 1904.
- Earle, Eleanor P., Palma Sola, Manatee Co., Florida. 1911.
- Eastgate, Alf., Tohia, N. D. 1913.
- Eastman, Lieut. F. B., Plattsburg Barracks, New York. 1904.
- Edson, J. M., Marietta Road, Bellingham, Wash. 1911.
- Edwards, H. Arden, R. D. 1, Box 254, Los Angeles. 1913.
- Eggleston, J. W., Occidental College, Los Angeles. 1913.
- Emmons, R. A., Biological Survey, U. S. Dept. of Agriculture, Washington, D. C. 1914.
- Esterly, C. O., Occidental College, Los Angeles. 1908.
- Everett, E. E., Ventura. 1913.
- Evermann, Barton W., California Academy of Sciences, San Francisco. 1911.
- Fargo, Mrs. Minerva J., 1632 N. Kingsley Drive, Los Angeles. 1914.
- Fawcett, F. H., Narrows, Harney Co., Oregon. 1912.
- Ferguson, Mrs. Mary Van E., 5 Panoramic Way, Berkeley. 1915.
- Finley, Wm. L., 651 E. Madison St., Portland, Oregon. 1900.
- Fischer, E. J., 525 W. 57th St., Los Angeles. 1910.
- Fisher, Dr. A. K., Biological Survey, U. S. Dept. of Agriculture, Washington, D. C. 1904.
- Fisher, Elizabeth W., 2222 Spruce St., Philadelphia, Pa. 1910.
- Fisher, Walter K., 1525 Waverly St., Palo Alto. 1900.
- Fitzpatrick, T. J., Bethany, Nebraska. 1913.
- Flanagan, John H., 153 Power St., Providence, R. I. 1904.
- Fleming, J. H., 267 Rusholme Road, Toronto, Ontario, Canada. 1910.
- Flint, Wm. R., 160 S. Madison Ave., Pasadena. 1912.
- Ford, W. A., Umatilla, Oregon. 1915.
- Forrest, E. R., 357 N. Main St., Washington, Pa. 1910.
- Fortiner, J. C., Brawley. 1910.
- Fowler, Frederick H., 221 Kingsley Ave., Palo Alto. 1901.
- Fox, Mrs. L. L., Los Olivos, Santa Barbara Co. 1911.
- Frazier, J. F., Independence, Mo. 1911.
- Fuertes, Louis A., Cornell Heights, Ithaca, N. Y. 1904.
- Gage, Mabel C., Worcester, Mass. 1913.
- Gane, Henry S., Santa Barbara. 1903.
- Gardner, Leon L., Claremont. 1911.
- Gault, Benj. T., Glen Ellyn, Ill. 1905.
- Gay, Harold S., 200 S. Wilson Ave., Alhambra. 1901.
- Gay, Melvin R., 1495 W. Adams St., Los Angeles. 1914.
- Germain, Clare, 3906 W. First St., Los Angeles. 1915.
- Gillette, Thurlow T., 982 Worcester St., Pasadena. 1915.
- Gilman, M. French, Sacaton, Arizona. 1901.
- Goelitz, Walter A., 1622 Judson Ave., Ravinia, Ill. 1915.
- Goethe, C. M., 2615 K St., Sacramento. 1915.
- Goldman, E. A., Biological Survey, U. S. Dept. of Agriculture, Washington, D. C. 1901.
- Goldman, Luther J., 2418 Prince St., Berkeley. 1902.
- Goodcell, Mrs. Marion L., 864 D St., San Bernardino. 1914.
- Goodwin, Rev. S. H., Box 284, Provo, Utah. 1910.
- Gould, Jos. E., 5 Clifton St., Norfolk, Va. 1909.
- Grant, U. S., 4th, 43 Westmorley Court, Cambridge, Mass. 1909.
- Granville, Fred, 424 North Rosemont Ave., Los Angeles. 1911.
- Grey, Henry, R. D. 2, Box 154 A, San Diego. 1901.
- Grinnell, George Bird, 238 E. 15th St., New York, N. Y. 1914.
- Grinnell, Mrs. Hilda Wood, 2543 Durant Ave., Berkeley. 1912.
- Grinnell, Joseph, Museum of Vertebrate Zoology, University of California, Berkeley. 1894.
- Guion, Geo. Seth, Napoleonville, La. 1911.
- Gunn, Amy E., Mill Valley. 1914.
- Halladay, Daniel S., 1609 N. Main St., Santa Ana. 1910.
- Hanford, Forrest, Y. M. C. A. Bldg., Oakland. 1912.
- Hann, H. H., Parkdale, Oregon. 1909.
- Hanna, Wilson C., 1000 Pennsylvania Ave., Colton.
- Haring, Mrs. C. M., 2301 Russell St., Berkeley. 1915.
- Harmon, Mrs. Frances M., 2115 Estrella Ave., Los Angeles. 1912.
- Harris, Harry, Cashier, Post Office, Kansas City, Mo. 1914.
- Hathaway, Harry S., Box 1466, Providence, R. I. 1912.
- Hazard, R. G., Peace Dale, R. I. 1909.
- Head, Miss Anna, 2730 Belrose Ave., Berkeley. 1912.

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- Hegner, Carl D., 810 Avaco St., Los Angeles. 1914.
- Heinemann, Oluf J., 1664 Grove St., San Francisco. 1908.
- Heller, Edmund, U. S. National Museum, Washington, D. C. 1894.
- Helme, Arthur H., Miller Place, Suffolk Co., N. Y. 1911.
- Henderson, Junius, Box 398, Boulder, Colo. 1909.
- Henshaw, Judge F. W., Wells Fargo Bldg., San Francisco. 1915.
- Henshaw, H. W., Biological Survey, U. S. Dept. of Agriculture, Washington, D. C. 1909.
- Hersey, F. Seymour, 6 Maple Ave., Taunton, Mass. 1915.
- Hersey, L. J., Wray, Colo. 1909.
- Hodge, C. F., University of Oregon, Eugene, Oregon. 1914.
- Holland, Harold M., Box 1851, Los Angeles. 1901.
- Holman, F. C., 558 Lincoln Ave., Palo Alto. 1914.
- Hoover, Theodore J., 1 London Wall, London, E. C., England. 1898.
- Horsfall, R. Bruce, 1457 E. 18th St., Portland, Oregon. 1914.
- Howard, O. W., Box 484, Los Angeles. 1895.
- *Howell, Alfred B., Covina. 1908.
- Howell, B. F., Jr., 6 North West College, Princeton, N. J. 1909.
- Howes, Paul G., Stamford, Conn. 1910.
- Howsley, L. B., Culver, Oregon. 1909.
- Hubbard, Samuel, Jr., 244 Montecito Ave., Oakland. 1912.
- Hubbs, Carl L., Stanford University. 1910.
- Huber, Wharton, Gwynedd Valley, Pa. 1915.
- Huey, Lawrence, 32nd St. & Clay Ave., San Diego. 1909.
- Hunt, E. B., 4318 14th St., N. W., Washington, D. C. 1914.
- Hunter, J. S., Union Hotel, San Mateo. 1903.
- Husher, Mrs. Gertrude H., 1495 W. Adams St., Los Angeles. 1913.
- Illingsworth, J. F., College of Hawaii, Honolulu, H. T. 1896.
- Ingersoll, A. M., 908 F St., San Diego. 1895.
- Irving, F. N., care of Southern Express Co., Columbia, S. C. 1910.
- Isham, C. Bradley, 27 W. 67th St., New York, N. Y. 1909.
- Jackson, Thos. H., 304 N. Franklin St., West Chester, Pa. 1911.
- Jacobs, J. Warren, 404 S. Washington St., Waynesburg, Pa. 1909.
- Jay, Alphonse, 1622 Pennsylvania Ave., Los Angeles. 1901.
- Jay, Antonin, 1622 Pennsylvania Ave., Los Angeles. 1901.
- Jenkins, Ida G., 30 Dearborn St., Roxbury, Mass. 1914.
- Jessee, Dr. R. L., Philo, Ill. 1909.
- Jewett, R. D., 1238 S. Serrano St., Los Angeles. 1912.
- Jewett, Stanley G., 582 Bidwell Ave., Portland, Oregon. 1909.
- Job, Herbert K., 291 Main St., West Haven, Conn. 1915.
- Johnson, Frank E., 16 Amackassin Terrace, Yonkers, N. Y. 1911.
- Johnson, John C., Room 421, Y. M. C. A., Berkeley. 1914.
- Johnson, Myrtle E., National City. 1908.
- Jonas, Coloman, 1023 Broadway, Denver, Colo. 1910.
- Jones, Prof. Lynds, Museum of Oberlin College, Oberlin, Ohio. 1911.
- Jordan, A. H. B., Everett, Washington. 1911.
- Jordan, Dr. David Starr, Stanford University. 1902.
- Judson, W. B., 826 Washington Bldg., Los Angeles. 1894.
- Julien, Lillian M., Yreka, Siskiyou Co. 1901.
- Kaeding, Geo. L., Battle Mountain, Nevada. 1903.
- Kellogg, Louise, Box 371, Suisun. 1911.
- Kellogg, Prof. Vernon L., Stanford University. 1901.
- Kendall, J. N., Botany Bldg., University of California, Berkeley. 1915.
- Kennard, Frederic H., Dudley Road, Newton Centre, Mass. 1911.
- Kennedy, C. H., 549 Cowper St., Palo Alto. 1912.
- Kermode, F., Provincial Museum, Victoria, British Columbia, Canada. 1911.
- Kessing, Lawrence R., 1430 Santa Clara Ave., Alameda. 1899.
- Keyes, Prof. Chas. R., Mt. Vernon, Iowa. 1900.
- Kimball, H. H., Seal Beach. 1909.
- King, Harold L., Gardena. 1915.
- King, Hazel, 1898 Broadway, San Francisco. 1914.
- Kittredge, Joseph, Jr., U. S. Forest Service, Missoula, Montana. 1915.
- Knickerbocker, Chas. K., 445 Sacramento Ave., Carpenter Station, Chicago. 1905.
- Knowlton, Dr. F. H., U. S. National Museum, Washington, D. C. 1910.
- Kofoid, Prof. C. A., 2616 Etna St., Berkeley. 1909.
- Kohler, Louis S., 98 Watsessing Ave., Bloomfield, N. J. 1909.
- Kretzman, Prof. P. E., 1230 St. Anthony Ave., Concordia College, St. Paul, Minn. 1914.
- Kuser, John D., Bernardsville, N. J. 1912.
- Labarthe, Jules, Thompson, Nevada. 1914.

- Lamb, Chester C., 549 W. 43rd Place, Los Angeles. 1899.
- Lancashire, Mrs. J. H., Manchester, Mass. 1911.
- Lane, Geo. W., Morgan Hill. 1914.
- Lastreto, C. B., 260 California St., San Francisco. 1913.
- Law, J. Eugene, Hollywood. 1900.
- Layne, J. Gregg, 232 S. Spring St., Los Angeles. 1912.
- LeBris, Louise, 2569 Clay St., San Francisco. 1914.
- Lelande, H. J., Court House, Los Angeles. 1897.
- Letchworth, Pierre E., Covina. 1912.
- Lewis, L. Alva, 809 Yeon Bldg., Portland, Oregon. 1912.
- Libby, Gretchen L., 1331 Santa Barbara St., Santa Barbara. 1911.
- Ligon, J. Stokley, Chloride, New Mexico. 1914.
- Lindsay, D. Moore, 808 Boston Bldg., Salt Lake City, Utah. 1915.
- Lings, G. H., 208 Piermont Ave., Nyack, N. Y. 1913.
- Linton, C. B., 125 W. Ocean Ave., Long Beach. 1906.
- Litsey, John B., 1722 Alston Ave., Fort Worth, Texas. 1911.
- Little, Etta V., 413 E. Hadley St., Whittier. 1914.
- Little, Luther, 1625 W. Adams St., Los Angeles. 1914.
- Littlejohn, Chase, Redwood City. 1901.
- Loomis, Leverett M., California Academy of Sciences, San Francisco. 1902.
- Lord, Frank H., 726 Schrader St., San Francisco. 1914.
- Loring, J. Alden, Owego, Troga Co., N. Y. 1914.
- Love, Chas. A., 3353 22nd St., San Francisco. 1901.
- Love, Guy, R. D. 5, Oberlin, Kansas. 1913.
- Lueddemann, Frieda, R. D. 29, Los Gatos. 1914.
- Luther, Clarence H., 8 McIlroy Bldg., Fayetteville, Ark. 1909.
- MacDonald, James A., Lathrop. 1914.
- MacKay, Minnette, 670 King St., Santa Rosa. 1914.
- Magee, William A., R. D., Box 433, Fruitvale, Oakland. 1912.
- Mailliard, Ernest C., 1815 Vallejo St., San Francisco. 1909.
- Mailliard, John W., 300 Front St., San Francisco. 1894.
- Mailliard, Joseph, 1815 Vallejo St., San Francisco. 1895.
- Marshall, Dr. Benj. M., 2036 D St., Eureka. 1913.
- Martin, John W., 339 N. First St., San Jose. 1907.
- Martin, Luke B., Clearwater, Florida. 1914.
- Massey, Herbert, Ivy Lea, Burnage, Didsbury, Manchester, England. 1909.
- Mattern, Edwin S., 1042 Walnut St., Allentown, Pa. 1914.
- McAtee, W. L., Biological Survey, U. S. Dept. of Agriculture, Washington, D. C. 1907.
- McGregor, R. C., Bureau of Science, Manila, P. I. 1893.
- McLain, R. B., Market and 12th St., Wheeling, W. Va. 1897.
- Mearns, Lieut. Col. Edgar A., U. S. National Museum, Washington, D. C. 1905.
- Meeker, Jesse C. A., 51 Washington Ave., Danbury, Conn. 1907.
- Meister, H. D., Wauseon, Ohio. 1909.
- Merrill, E. W., Sitka, Alaska. 1912.
- Mershon, W. B., Saginaw, Michigan. 1911.
- Meyer, Heloise, Overlee, Lenox, Mass. 1914.
- Miller, Mrs. E. C. T., 3738 Euclid Ave., Cleveland, Ohio. 1914.
- Miller, Loye Holmes, State Normal School, Los Angeles. 1905.
- Miller, Mrs. Olive Thorne, 5928 Hayes Ave., Los Angeles. 1911.
- Miller, W. DeWitt, American Museum of Natural History, New York, N. Y. 1909.
- Mills, Enos A., Longs Peak, Estes Park, Colo. 1914.
- Mills, Dr. Herbert R., State Board of Health, Tampa, Florida. 1914.
- Miner, Dr. H. N., Colfax, Placer Co. 1903.
- Mitchell, H. H., 2337 Smith St., Regina, Saskatchewan, Canada. 1915.
- Mitchell, Dr. Walton I., 603 Beacon Bldg., Wichita, Kansas. 1909.
- Moore, Chas. S., Box 222, San Diego. 1913.
- Moore, Robert T., 46 Mansion Ave., Haddonfield, N. J. 1911.
- Moran, R. B., 2221 Ward St., Berkeley. 1897.
- Morcom, G. Frean, Box 175, Huntington Beach. 1904.
- More, R. L., Vernon, Texas. 1911.
- Muller, Carl, Marysville. 1911.
- Munk, Dr. J. A., 747 Alvarado St., Los Angeles. 1909.
- Munro, J. A., Okanagan Landing, British Columbia, Canada. 1914.
- Murie, O. J., 219 7th Ave., S., Moorhead, Minn. 1913.
- Myers, Mrs. H. W., 306 Ave. 66, Los Angeles. 1912.
- Nelson, E. W., Biological Survey, U. S. Dept. of Agriculture, Washington, D. C. 1904.
- Nevin, W. H., Pasadena. 1915.
- Nichols, J. T., American Museum of Natural History, New York, N. Y. 1909.

- Nicholson, Donald J., Orlando, Florida. 1911.
 Noack, H. R., 309 Perry St., Oakland. 1901.
 Nokes, Irwin D., 820 Marsh-Strong Bldg., Los Angeles. 1914.
 Norris, Joseph P., Jr., 2122 Pine St., Philadelphia, Pa. 1911.
 Norris, Roy, 725 N. 10th St., Richmond, Indiana. 1911.
 Oberholser, Harry C., 1444 Fairmont St., Washington, D. C. 1904.
 Ohl, H. C., 76 Third St., San Francisco. 1913.
 Ohlendorf, Dr. W. C., 1922 Blue Island Ave., Chicago, Ill. 1910.
 Osgood, Wilfred H., Field Museum of Natural History, Chicago, Ill. 1893.
 Osterhaut, George E., Windsor, Colo. 1915.
 Overington, R. Bruce, Laurel, Maryland. 1915.
 Owen, Virgil W., 1241 Vine St., Hollywood. 1896.
 Palmer, Elizabeth Day, 1741 Harvard Blvd., Los Angeles. 1909.
 Palmer, R. H., Pocatello, Idaho. 1915.
 Palmer, Dr. T. S., 1939 Biltmore St., N. W., Washington, D. C. 1903.
 Parker, Edwin S., 356 Broadway, Santa Cruz. 1913.
 Parker, Herbert, South Lancaster, Mass. 1911.
 Paul, J. H., 1320 E. Second, South, Salt Lake City, Utah. 1915.
 Paul, Lucius H., 19 Aurora St., Rochester, N. Y. 1911.
 Peabody, Rev. P. B., Blue Rapids, Kansas. 1904.
 Pearson, T. Gilbert, 2257 Loving Place, New York, N. Y. 1910.
 Peck, Morton E., 244 N. 12th St., Salem, Oregon. 1909.
 Pemberton, J. R., 71 Clarendon Ave., San Francisco. 1900.
 Peyton, Lawrence, Sespe, Ventura Co. 1909.
 Peyton, Sidney B., Sespe, Ventura Co. 1913.
 Phelps, Frank M., 212 Fourth St., Elyria, Ohio. 1912.
 Philipp, Philip Bernard, 220 Broadway, New York, N. Y. 1911.
 Phillips, Charles L., 5 W. Weir St., Taunton, Mass. 1915.
 Phillips, Don C., 49 N. Main St., Napa. 1912.
 Phillips, John C., Knobfields, Wenham, Mass. 1911.
 Pierce, Wright M., Box 116, Claremont. 1902.
 Pierpont, Philip, Nordhoff. 1913.
 Pilsbury, Frank O., 90 Main St., Walpole, Mass. 1911.
 Pleasants, Mrs. J. E., R. D. 3, Orange. 1900.
 Polkinghorn, George, 2651 Kenwood Ave., Los Angeles. 1915.
 Pope, E. F., Colmesneil, Texas. 1913.
 Powell, Helen, 2703 Dwight Way, Berkeley. 1914.
 Price, A. E., Grant Park, Ill. 1905.
 Radir, Paul L., 335 W. 27th St., Los Angeles. 1913.
 Randolf, Flora A., 2962 Derby St., Berkeley. 1907.
 Rankin, Edward P., care of U. S. S. Albatross, Sausalito. 1913.
 Rathbun, S. F., 217 14th Ave., N., Seattle, Washington. 1904.
 Ray, Milton S., 220 Market St., San Francisco. 1899.
 Redington, A. P., Box 66, Santa Barbara. 1897.
 Renick, Frank H., 1424 Belmont Ave., Seattle, Washington. 1912.
 Reynolds, L. R., care of Railroad Commission, 833 Market St., San Francisco. 1913.
 Rich, Guy C., M. D., 1820 El Cerrito Place, Hollywood. 1911.
 Richards, E. B., 412 Kate Hayes St., Box 805, Grass Valley, Nevada Co. 1909.
 Richards, Harriet E., 36 Longwood Ave., Brooklyn, Mass. 1914.
 Richards, Dr. T. W., care of Bureau of Medicine and Surgery, Navy Dept., Washington, D. C. 1908.
 Richey, J. Howard, 261 W. Dakota St., Pasadena. 1914.
 Richmond, Dr. Chas. W., U. S. National Museum, Washington, D. C. 1904.
 Richmond, W. L., Batavia, N. Y. 1915.
 Riley, J. H., U. S. National Museum, Washington, D. C. 1909.
 Ritter, Prof. W. E., La Jolla, San Diego Co. 1901.
 Roberts, Dr. T. S., 1603 4th Ave., Minneapolis, Minn. 1909.
 Robertson, Howard, City Attorney's Office, Hosfield Bldg., Los Angeles. 1896.
 Robertson, John McB., care of Jorgensen Contract, Waysahu, Oahu, H. T. 1913.
 Rogers, E. H., 2607 Hearst Ave., Berkeley. 1914.
 Rossignol, Gilbert R., 2116 Bull St., Savannah, Ga. 1909.
 Rowley, John, 42 Plaza Drive, Berkeley. 1909.
 Rust, Henry J., Box 683, Coeur d'Alene, Idaho. 1911.
 Sage, John H., Portland, Conn. 1910.
 Sampson, Walter B., 814 Kohl Bldg., San Francisco. 1894.
 Sands, E. V., Tombstone, Ariz. 1914.
 Sanford, Dr. Leonard C., 347 Temple St., New Haven, Conn. 1915.
 Sanford, W. H., 17 W. Magnolia St., Stockton. 1915.
 Saunders, Aretas A., Box 65, West Haven, Conn. 1909.

- Saunders, W. E., London, Ontario, Canada. 1910.
- Schaeffle, Ernest, 734 Mills Bldg., San Francisco. 1914.
- Schlisinger, Mrs. Jane L., 1417 Filbert St., Oakland. 1915.
- Schneider, J. J., Box 363, Anaheim. 1899.
- Schumacher, Irwin C., 217 A, East Hall, University of California, Berkeley. 1915.
- Sclater, William Lutley, 10 Sloane Court, London, S. W., England. 1909.
- Scott, Ellen G., 315 S. Glendale Ave., Tropic. 1915.
- Shannon, Wm. Purdy, Room 803, 1170 Broadway, New York, N. Y. 1914.
- Sharp, Clarence S., Escondido. 1902.
- Sharples, Robert P., West Chester, Pa. 1911.
- Shaw, W. T., 600 Linden Ave., Pullman, Washington. 1911.
- Sheafer, Dr. John G., 801 Ferguson Bldg., Los Angeles. 1914.
- Shelton, Alfred, University of Oregon, Eugene, Oregon. 1909.
- Shepardson, D. I., 209 E. 37th St., Los Angeles. 1909.
- Sherman, Althea R., R. D. 2, McGregor, Iowa. 1911.
- Shiras, George, 3rd, Stoneleigh Court, Washington, D. C. 1914.
- Shufeldt, Dr. R. W., 3356 18th St., N. W., Washington, D. C. 1911.
- Silliman, O. P., Castroville. 1913.
- Simmons, D. I., R. D. 1, Box 83 B, Los Angeles. 1914.
- Simmons, George F., 622 First National Bldg., Houston, Texas. 1913.
- Skinner, E. H., 1350 S. Hope St., Los Angeles. 1900.
- Skinner, M. P., Yellowstone Park, Wyoming. 1915.
- Sleeth, Asa, 1025 Michigan Ave., Portland, Oregon. 1913.
- Sloanaker, Jos. L., Box 402, Palisades, Colo. 1910.
- Smith, Allyn G., 1711 Euclid Ave., Berkeley. 1909.
- Smith, Austin Paul, 742 Pennsylvania Ave., San Antonio, Texas. 1907.
- Smith, Clarence E., Woody, Kern Co. 1915.
- Smith, Prof. Frank, University of Illinois, Urbana, Ill. 1911.
- Smith, Franklin J., Box 98, Eureka. 1913.
- Smith, Horace G., 2918 Lafayette St., Denver, Colo. 1914.
- Smith, Wilfred, 1125 Fifth St., Santa Monica. 1911.
- Snyder, Gaylord K., 1321 Berkshire Ave., Los Angeles. 1910.
- Snyder, Prof. J. O., Box 775, Stanford University. 1900.
- Spaulding, E. S., 1408 Chapala St., Santa Barbara. 1910.
- Spielmann, Oscar P., 1440 Warner Ave., Chicago, Ill. 1909.
- Sprunger, H. C., Wickenburg, Arizona. 1915.
- Squires, Rev. W. A., 3852 23rd St., San Francisco. 1912.
- Stansell, Sidney S. S., Manly, Alberta, Canada. 1915.
- Stark, Dr. W., Auburn, Placer Co. 1915.
- Steinbeck, Wm., 1029 N. Hunter St., Stockton. 1897.
- Stephens, T. C., Morningside College, Sioux City, Iowa. 1914.
- Stevens, Dr. J. F., Box 546, Lincoln, Nebraska. 1911.
- Stivers, Dr. C. G., 502 Auditorium Bldg., Los Angeles. 1914.
- Stock, Chester, 492 Seventh St., San Francisco. 1912.
- Stoddard, H. L., Field Museum of Natural History, Chicago, Ill. 1914.
- Stone, D. D., R. D. 3, Oswego, N. Y. 1909.
- Stone, George E., 1725 Le Roy Ave., Berkeley. 1912.
- Storer, Mary S., 467 San Pablo Ave., Fresno. 1914.
- Storer, Tracy I., Museum of Vertebrate Zoology, University of California, Berkeley. 1910.
- Stover, Allan J., Corvallis, Oregon. 1914.
- Strong, Wm. A., 41 Grand Ave., San Jose. 1912.
- Stuart, George H., 3rd, N. W. corner Broad and Chestnut Streets, Philadelphia, Pa. 1913.
- Sugden, J. W., 55 South 8th West St., Salt Lake City, Utah. 1915.
- Suksdorf, P. J., Bingen, Wash. 1910.
- Sutherland, G. F., East Hall, University of California, Berkeley. 1915.
- Swales, Bradshaw H., Box 566, Santa Barbara. 1906.
- Swarth, Harry S., Museum of History, Science and Art, Exposition Park, Los Angeles. 1897.
- Sweeny, Joseph A., care of Forest Service, Laramie, Wyoming. 1912.
- Swezy, Olive, 2531 Ridge Road, Berkeley. 1914.
- Swift, J. N., Stockport, Ohio. 1915.
- Sykes, George F., 322 Agricultural Hall, Corvallis, Oregon. 1913.
- Tarbell, Olga S., 1 Cabrillo Place, Pasadena. 1906.
- Taverner, P. A., Zoological Division, Geological Survey, Ottawa, Canada. 1909.
- Taylor, E. F., Grass Valley, Nevada Co. 1910.
- Taylor, Loren E., Box 482, Reno, Nevada. 1897.

- Taylor, Walter P., Museum of Vertebrate Zoology, University of California, Berkeley. 1905.
- Telford, Harry, Klamath Falls, Oregon. 1912.
- Terrill, L. McL., 53 Stanley Ave., St. Lambert, Quebec, Canada. 1911.
- Test, Frederick C., 4620 Greenwood Ave., Chicago, Ill. 1914.
- Test, Louis A., Ames, Iowa. 1908.
- Tevis, L. K., Bakersfield. 1912.
- *Thayer, John E., Box 98, Lancaster, Mass. 1906.
- Thorner, Mrs. Harriet B., University of Arizona, Tucson, Arizona. 1914.
- Todd, W. E. Clyde, Carnegie Museum, Pittsburgh, Pa. 1909.
- Tope, L. A., Clearfield, Iowa. 1915.
- Treganza, A. O., 62 Hooper Bldg., Salt Lake City, Utah. 1907.
- Treganza, Mrs. A. O., 614 E. 6th St., Salt Lake City, Utah. 1915.
- Tremper, Lauren, 136 Dewey St., Philadelphia, Pa. 1911.
- Trenor, Thomas, 1501 Scott St., San Francisco. 1913.
- Trippe, Thomas M., Howardsville, Colo. 1911.
- Trowbridge, Chas. O., Box 42, Station A, Framingham Center, Mass. 1915.
- Trumbull, J. H., Plainville, Conn. 1911.
- Tyler, John G., 1114 Belmont Ave., Fresno. 1905.
- Tyler, Dr. Winsor M., 522 Massachusetts Ave., Lexington, Mass. 1914.
- Unglish, W. E., Box 233, Gilroy. 1910.
- Van Fleet, Clark C., Box 468, Santa Rosa. 1906.
- Van Rossem, Adriaan, R. D. 1, Box 74 A, Pasadena. 1909.
- Visher, Prof. Stephen S., Walker Museum, University of Chicago, Chicago, Ill. 1911.
- Wakely, Mrs. Katherine S., 810 S. Burlington Ave., Los Angeles. 1915.
- Walker, Alex., Hemlock, Tillamook Co., Oregon. 1911.
- Walker, Ernest P., Wrangell, Alaska. 1910.
- Walker, Dr. R. L., 355 Main Ave., Carnegie, Pa. 1914.
- Wall, Edward, Box 554, San Bernardino. 1913.
- Ward, F. H., 18 Grove Place, Rochester, N. Y. 1915.
- Warren, E. R., 20 W. Caramillo St., Colorado Springs, Colo. 1909.
- Wear, Winifred N., 253 Coast Ave., Fresno. 1909.
- Weber, H. B., Blackfoot, Idaho. 1910.
- Weber, J. A., Box 327, Palisades Park, N. J. 1915.
- Weed, Benj., Box 24, Berkeley. 1911.
- Welch, L. W., R. D. 2, Box 227 F, Long Beach. 1911.
- Wells, Gurnie, R. D. 1, Box 29, Oakley. 1911.
- Westerfeld, Dr. Otto, 240 Stockton St., San Francisco. 1915.
- Wetmore, Alex., Biological Survey, U. S. Dept. of Agriculture, Washington, D. C. 1909.
- Wheeler, Mrs. J. W., Tucson, Arizona. 1912.
- Wheeler, Roswell S., 296 Park View Terrace, Oakland. 1894.
- Wheelock, Mrs. H. B., 1040 Hinman Ave., Evanston, Ill. 1909.
- Whitcher, Chas. L., Los Olivos. 1911.
- White, Halstead G., Claremont. 1914.
- Widmann, Otto, 5105 Von Versen Ave., St. Louis, Mo. 1904.
- Wilder, H. E., Carlotta, Humboldt Co. 1909.
- Willard, B. G., 1619 Massachusetts Ave., Cambridge, Mass. 1910.
- Willard, F. C., Tombstone, Arizona. 1905.
- Willett, George, 2123 Court St., Los Angeles. 1905.
- Williams, Dr. Edward H., 609 Exchange Bldg., Los Angeles. 1914.
- Williams, Robert W., Office of Solicitor, Dept. of Agriculture, Washington, D. C. 1914.
- Wilson, Ada, 976 Atchison St., Pasadena. 1914.
- Wilson, J. Frank, 337 Highland Place, Monrovia. 1915.
- Wood, George, 7403 Hawthorne Ave., Hollywood. 1912.
- Wood, J. Claire, 179 17th St., Detroit, Michigan. 1909.
- Wood, Jesse J., 309 W. Micheltoreno St., Santa Barbara. 1912.
- Woodruff, Frank M., Academy of Sciences, Lincoln Park, Chicago, Ill. 1906.
- Worcester, Mrs. Alfred, Bacon St., Waltham, Mass. 1914.
- Wrathall, F. A., 315 S. W. Temple St., Salt Lake City, Utah. 1915.
- Wright, Frank S., 14 Cayuga St., Auburn, N. Y. 1910.
- Wright, Horace W., 107 Pinckney St., Boston, Mass. 1914.
- Wright, Howard W., Box 1, Stanford University. 1907.
- Wueste, Rudolph, Barrett Dam, Dulzura. 1901.
- Wyman, L. E., 4911 Budlong Ave., Los Angeles. 1908.
- Wythe, Margaret W., 4247 Terrace St., Oakland. 1912.
- Young, John P., 1510 Fifth Ave., Youngstown, Ohio. 1914.
- Zahn, Otto J., 2115 Estrella Ave., Los Angeles. 1896.