

OLD SERIES, } CONTINUATION OF THE { NEW SERIES,
VOL. XVII. } BULLETIN OF THE NUTTALL ORNITHOLOGICAL CLUB { VOL. IX.

The Auk

A Quarterly Journal of Ornithology

EDITOR

J. A. ALLEN

ASSOCIATE EDITOR

C. F. BATCHELDER



VOLUME IX

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The American Ornithologists' Union

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L. S. FOSTER

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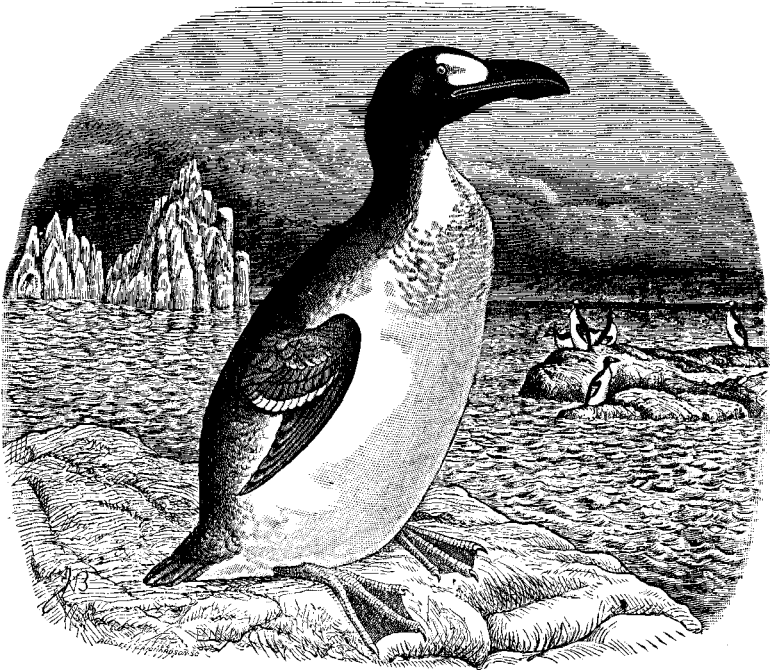
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SCHRENCK, Dr. LEOPOLD VON, St. Petersburg.	1884
SELYS-LONGSCHAMPS, Baron EDMOND DE, Liège, Belgium.	1884
SHALOW, Dr. HERMAN, 31 Paul Str., N. W., Berlin.	1884
SHELLEY, Capt. G. E., 6 Tenterden St., Hanover Sq., London.	1884
THEEL, Dr. HJALMAR, University of Upsala, Upsala, Sweden.	1884
TRISTRAM, Rev. Canon H. B., The College, Durham, England.	1884
TSCHUSI ZU SCHMIDHOFFEN, Count VICTOR RITTER VON, near Hal- lein, Salzburg, Hungary.	1884
WATERHOUSE, F. H., 3 Hanover Square, London, W.	1889

WHARTON, HENRY T., 39 St. George's Road, Kilburn, London, N. W. 1884
 ZELEDON, DON JOSÉ C., San José, Costa Rica..... 1884

ASSOCIATE MEMBERS.

ADAMS, C. F., Champaign, Ill..... 1890
 ADNEY, E. T., 42 East 20th St., New York City..... 1885
 ALLEN, DR. CHARLES S., 21 East 28th St., New York City..... 1888
 ALLEN, FRANCIS H., West Roxbury, Mass..... 1888
 AMERY, CHARLES F., 20 Astor Place, New York City..... 1886
 ANTHONY, A. W., 2042 Albatross St., San Diego, Cal..... 1885
 ARCHER, W. C., 252 7th St., Jersey City, N. J..... 1888
 ATKINS, J. W., Key West, Florida..... 1887
 ATTWATER, H. P., Rockport, Texas..... 1891
 AVERILL, C. K., JR., Bridgeport, Conn..... 1885
 AVERY, DR. WM. C., Greensboro, Ala..... 1887
 AYER, ED. E., cor. Dearborn and Adams Sts., Chicago, Ill..... 1889
 BABBITT, JAMES P., Taunton, Mass..... 1891
 BACON, CARRINGTON C., Bell, Christian Co., Ky..... 1890
 BACON, SAMUEL E., JR., 2d National Bank, Erie, Pa..... 1891
 BAGG, EGBERT, 187 Genesee St., Utica, N. Y..... 1883
 BALL, CARLETON R., Little Rock, Iowa..... 1891
 BAILEY, VERNON, Elk River, Minn..... 1887
 BAILY, CHAS. E., Winchendon, Mass..... 1890
 BAILY, WM. L., 138 South 4th St., Philadelphia, Pa..... 1885
 BANGS, E. A., 31 Pemberton Sq., Boston, Mass..... 1884
 BANGS, OUTRAM, 31 Pemberton Sq., Boston, Mass..... 1884
 BANKS, J. W., St. John, N. B..... 1887
 BARNARD, JOB, 500 5th St., N. W., Washington, D. C..... 1886
 BARNES, HON. R. M., Lacon, Ill..... 1889
 BARNEY, EVERETT H., Springfield, Mass..... 1891
 BARRE, WILL DE LA, 1301 7th St., Minneapolis, Minn..... 1891
 BEAL, F. E. L., Lunenburg, Mass..... 1887
 BEARD, DANIEL C., 110 Fifth Ave., New York City..... 1887
 BELL, JAMES P. H., Gainesville, Fla..... 1889
 BELLOWS, ED. D., 215½ 4th St., Jersey City, N. J..... 1889
 BENNER, FRANKLIN, 315 3d Ave., South Minneapolis, Minn..... 1883
 BENNERS, GEO. B., 2048 Arch St., Philadelphia, Pa..... 1889
 BENSON, LIEUT. H. C., U. S. A., West Point, N. Y..... 1886
 BENT, ARTHUR C., Taunton, Mass..... 1889
 BERGTOLD, DR. W. H., 56 Allen St., Buffalo, N. Y..... 1889
 BERIER, DELAGNEL, Bay Ridge, Kings Co., N. Y..... 1885
 BILL, CHARLES, Springfield, Mass..... 1889
 BISHOP, DR. LOUIS B., Box 235, New Haven, Conn..... 1885
 BOARDMAN, G. A., Calais, Maine..... 1883
 BOGERT, M. T., Flushing, Queens Co., N. Y..... 1889
 BOIES, A. H., Hudson, Mich..... 1890
 BOLLES, F., Harvard College, Cambridge, Mass..... 1889

BOND, FRANK, Cheyenne, Wyoming.....	1887
BOND, HARRY L., Sioux City, Iowa.....	1890
BOWDISH, B. S., Tallapoosa, Ga.....	1890
BOWLES, J. H., Ponkapog, Mass.....	1891
BRADFORD, L. M. B., Providence, R. I.....	1889
BRANDRETH, FRANKLIN, Sing Sing, N. Y.....	1889
BRIMLEY, C. S., Raleigh, N. C.....	1888
BROCKUNIER, SAML. H., Wheeling, West Virginia.....	1889
BROWN, EDWARD J., 820 20th St. N. W., Washington, D. C.....	1891
BROWN, HERBERT, Tucson, Arizona.....	1885
BROWN, HUBERT H., 22 Collier St., Toronto, Ontario.....	1889
BROWN, JOHN CLIFFORD, 85 Vaughan St., Portland, Maine.....	1888
BROWNE, FRANK C., Framingham, Mass.....	1883
BULLEY, REGINALD H., Canton, Ohio.....	1889
BURNS, FRANK L. Berwyn, Chester Co., Pa.....	1891
BUTLER, AMOS W., Brookville, Ind.....	1885
CAIRNS, JOHN S., Weaverville, N. C.....	1889
CAMPBELL, HARVEY C., Lansingburg, Rens. Co., N. Y.....	1890
CANTWELL, GEORGE G., Colorado Springs, Col.....	1889
CARR, CHAS. F., 126 State St., Madison, Wis.....	1890
CARRUTH, C. T., 119 Milk St., Boston, Mass.....	1891
CAULK, WM. B., Terre Haute, Ind.....	1891
CHAMBERLAIN, C. W., 51 Lincoln St., Boston, Mass.....	1885
CHURCHILL, GEO. B., 47 Wellington St., Worcester, Mass.....	1890
CLARK, HUBERT L., Amherst, Mass.....	1886
CLARK, J. N., Saybrook, Conn.....	1885
CLARKE, Prof. S. F., Williamstown, Mass.....	1890
CLUTE, WILLARD N., 11 Jarvis St., Binghamton, N. Y.....	1889
COALE, H. K., 131 Wabash Ave., Chicago, Ill.....	1883
COLBURN, A. E., 738 Broadway, New York City.....	1891
COLBURN, W. W., Springfield, Mass.....	1889
COLEMAN, GEO. A., Lincoln, Neb.....	1888
COLLINS, Capt. J. W., Smiths. Inst., Washington, D. C.....	1888
COMEAU, NAP. A., Godbout, P. Q.....	1885
CONKLIN, Dr. WM. A., Director of Menagerie, Central Park, New York City.....	1885
COOK, Prof. CHAS. B., Agricultural College P. O., Ingham Co., Mich.....	1890
COOMBS, FRANK E., Patterson, La.....	1890
COPE, ALBAN, Germantown, Pa.....	1885
COPELAND, A. M., Springfield, Mass.....	1889
CORNING, ERASTUS, Jr., Albany, N. Y.....	1891
COUES, ELLIOTT BAIRD, care of Dr. E. Coues, Smiths. Inst., Wash- ton, D. C.....	1886
COUES, WM. PEARCE, 14 Ash St., Cambridge, Mass.....	1888
COX, PHILIP, Newcastle, New Brunswick.....	1887
CRAMPTON, H. E., Jr., 256 W. 121st St., New York City.....	1891
CRANDALL, C. W., Woodside, Queen's Co., N. Y.....	1891

CULYER, Col. JOHN Y., Room 150, Potter Building, New York City.	1890
DAENZER, CARL, 13 North 3d St., St. Louis, Mo.	1888
DAGGETT, FRANK S., Duluth, Minn.	1889
DANA, ROY, Warren, Ohio.	1889
DAVIS, F. J., 4 Noyes St., Utica, N. Y.	1890
DAVIS, GEO. A., Mexico, N. Y.	1890
DAVISON, J. L., Lockport, Niagara Co., N. Y.	1885
DELAFIELD, JOSEPH L., 475 5th Ave., New York City.	1888
DENNE, DAVID, 104 St. Francois St., Montreal.	1890
DETWILLER, Dr. JNO. W., Bethlehem, Pa.	1891
DICKINSON, EDWIN, Springfield, Mass.	1885
DICKINSON, W. S., Tarpon Springs, Fla.	1891
DIXON, FREDK. J., Hackensack, N. J.	1891
DOUGHERTY, CAPT. W. E., U. S. A., Angel Island, Cala.	1890
DOUGLASS, BERT H., Burlington, Kansas	1890
DREW, FRANK M., Bloomington, Ind.	1885
DURFEE, OWEN, Box 125, Fall River, Mass.	1887
DUTCHER, BASIL HICKS, 525 Manhattan Ave., New York City.	1886
DYCHIE, Prof. L. L., Lawrence, Kansas.	1886
EAMES, Dr. EDWIN H., Bridgeport, Conn.	1888
EASTMAN, HARRY D., Framingham, Mass.	1891
EATON, ALVAH A., Dunlap, Cala.	1890
EDDY, N. A., 615 North Grant St., Bay City, Michigan.	1885
EDGAR, NEWBOLD, 28 E. 39th St., New York City	1891
EDSON, JOHN M., Schome, Washington.	1886
ELDON, CHARLES H., Williamsport, Pa.	1891
EMERSON, W. OTTO, Haywards, Cala.	1885
EVANS, EVAN M., Englewood, N. J.	1888
EVANS, SAMUEL C., Jr., Riverside, Cala.	1889
EVERMANN, Prof. B. W., Terre Haute, Ind.	1883
FAIRBANKS, Hon. FRANKLIN, St. Johnsbury, Vt.	1885
FANNIN, JOHN, Provincial Museum, Victoria, B. C.	1888
FAXON, WALTER, Mus. Comp. Zoöl., Cambridge, Mass.	1891
FERNALD, ROBERT H., Orono, Me.	1890
FIGGINS, J. D., 429 P St., N. W., Washington, D. C.	1889
FISHER, DAVENPORT, Milwaukee, Wis.	1890
FISHER, WM. HUBBELL, 12 Wiggins Block, Cincinnati, Ohio.	1883
FLINT, II. W., Yale National Bank, New Haven, Conn.	1888
FLINT, WM. R., Madera, Fresno Co., Cala.	1890
FORBUSH, EDW. H., 424 Main St., Worcester, Mass.	1887
FOX, Dr. WM. H., 1826 Jefferson Place, Washington, D. C.	1883
FUERTES, LOUIS AGASSIZ, Ithaca, N. Y.	1891
GALE, DENIS, Gold Hill, Boulder Co., Colorado.	1886
GAULT, B. T., Glen Ellyn, DuPage Co., Ill.	1885
GESNER, Rev. A. H., Sing Sing, N. Y.	1885
GIBSON, LANGDON, Flushing, N. Y.	1887
GILBERT, CARLETON, 1800 Wabash Ave., Chicago, Ill.	1889

GOODALE, JOSEPH L., 67 Sparks St., Cambridge, Mass.....	1885
GORDON, THEODORE, Savannah, Ga.	1891
GOSS, B. F., Pewaukee, Waukesha Co., Wis.....	1883
GOULD, JOSEPH E., 281½ North High St., Columbus, Ohio.....	1889
GRANGER, WALTER W., Am. Mus. Nat. Hist., New York City	1891
GRANT, JNO. B., 108 Duane St., New York City	1890
GRANT, U. S., 200 West 19th St., Minneapolis, Minn.....	1885
GREEN, MORRIS M., 410 Graves St., Syracuse, N. Y.....	1886
GREENE, I. C., Fitchburg, Mass.	1891
GREGG, DR. WM. H., 143 West 21st St., New York City	1883
HAGERUP A., (Greenland), Viborg, Denmark.....	1888
HALES, HENRY, Ridgewood, N. J.....	1890
HANMER, C. C., Burnside, Conn.....	1888
HARDY, MANLY, Brewer, Maine.....	1883
HARTE, CHAS. R., Columbia College, New York City.....	1890
HASBROUCK, EDWIN M., 1303 Corcoran St., Washington, D. C.	1887
HAUPT, LOUIS, 61 Liberty St., New York City.....	1888
HAWLEY, A. H., Vineland, N. J.....	1886
HAZARD, R. G., 2d, Peace Dale, R. I.....	1885
HAZZARD, DR. T. L. Allegheny, Pa.	1891
HEDGES, CHARLES F., New Haven, Conn.....	1891
HEIMSTREET, DR. T. B., 14 Division St., Troy, N. Y.....	1888
HELME, ARTHUR H., Miller's Place, Suffolk Co., N. Y.....	1888
HENDRICKSON, W. F., 860 Broadway, New York City	1885
HICKS, HENRY, Westbury Station, Queens Co., N. Y.	1888
HICKS, JOHN D., Old Westbury, Queens Co., N. Y.....	1888
HINE, MRS. JANE L., Sedan, Ind.....	1890
HITCHCOCK, FRANK H., Dept. of Agriculture, Washington, D. C....	1891
HOADLEY, DR. FREDK. H., 9 W. 30th St., New York City	1891
HOLBROOK, Judge S. T., Norwich, Conn.....	1885
HOLMAN, RALPH H., Worcester, Mass.....	1890
HOOPES, JOSIAH, West Chester, Pa.....	1889
HORNADAY, W. T., 42 Niagara St., Buffalo, N. Y.	1888
HOUGH, ROMEYN B., Lowville, N. Y.....	1883
HOWELL, ARTHUR H., 212 Madison St., Brooklyn, N. Y.....	1889
HOYLE, CHARLES E., West Millbury, Mass.....	1889
HOYT, F. R., Grand Hotel, New York City.....	1891
HOYT, WM. H., Stamford, Conn.....	1888
HOWE, C. P., Waukesha, Wis.	1891
HUBBARD, Miss SARA A., 39 33rd St., Chicago, Ill.	1891
HUGHES, DR. WM. E., 3726 Baring St., Philadelphia, Pa.....	1891
HULL, WALTER B., Box 47, Milwaukee, Wis.....	1889
HURD, THEO. D., Riverside, Cala.....	1890
HURTER, JULIUS, 2346 South 10th St., St. Louis, Mo.....	1888
HVOSLEF, DR. J. C., Lanesboro, Minn.....	1885
HYATT, Miss MARY, Stanfordsville, N. Y.....	1891
INGALLS, CHARLES E., East Templeton, Mass.....	1885

INGERSOLL, ALBERT M., 816 5th St., San Diego, Cala.....	1885
INGRAHAM, D. P., Elmira, N. Y.....	1889
ISHAM, C. B., Am. Mus. Nat. Hist., New York City.....	1891
JOHNSON, THOS. H., West Chester, Pa.....	1888
JACOBS, J. WARREN, Waynesburg, Pa.....	1889
JAMES, HOWARD K., Rockville, Conn.....	1888
JARDINE, CHAS. S., 318 East 39th St., New York City.....	1888
JEFFRIES, WM. A., 78 Devonshire St., Boston, Mass.....	1883
JENKS, Prof. J. W. P., 31 George St., Providence, R. I.....	1888
JESURUN, Dr. MORTIMER, Douglas, Wyoming.....	1890
JOHNSON, ALBERT I., Hull, Iowa.....	1885
JOHNSON, FRANK E., Parkville, Kings Co., N. Y.....	1888
JOHNSON, FRED. O., Oakland, Cala.....	1888
JOHNSON, HY. C., American Fork, Utah.....	1890
JOHNSON, Prof. O. B., Seattle, Washington.....	1885
JOHNSTON, Dr. A. D., Allegheny City, Pa.....	1891
JONES, LYNDS, Oberlin, Ohio.....	1888
JONES, MARCUS E., Salt Lake City, Utah.....	1890
JORDAN, A. H. B., Willsborough, Essex Co., N. Y.....	1888
JORDAN, Prof. D. S., Leland Stanford, Jr., Univ., Menlo Park, Cala.....	1885
JOUY, P. L., Smiths. Inst., Washington, D. C.....	1883
KEELER, CHARLES A., Berkeley, Alameda, Co., Cala.....	1889
KELLOGG, VERNON L., Lawrence, Kansas.....	1888
KENDALL, W. C., U. S. Fish Commission, Washington, D. C.....	1889
KEYSER, LEANDER S., Columbus, Ohio.....	1891
KING, GEORGE GORDON, Newport, R. I.....	1888
KIRKPATRICK, H. C., Meadville, Pa.....	1891
KNOWLTON, F. H., U. S. Nat. Mus., Washington, D. C.....	1883
KOCH, Prof. AUGUST, Williamsport, Pa.....	1891
KOCH, FRED. W., Escondido, Cala.....	1891
KOHN, GUSTAVE, 14 Carondelet St., New Orleans, La.....	1886
LADD, SAMUEL B., West Chester, Pa.....	1889
LAMB, CHARLES R., Cambridge, Mass.....	1885
LAMB, Prof. ELI M., Friends' High School, Baltimore, Md.....	1891
LANGDON, EDWIN, Central National Bank, New York City.....	1891
LANO, ALBERT, Madison, Minn.....	1890
LANTZ, Prof. D. E., Manhattan, Kansas.....	1885
LAWRENCE, ROBT. B., Mills Building, New York City.....	1883
LAWRENCE, ROBERT HOE, Seattle, Washington.....	1890
LEWIS, E. G., Hartford, Conn.....	1888
LEWIS, WM. H., Pawtucket, R. I.....	1890
LEWIS, JOHN B., Eubanks, Pulaski Co., Ky.....	1890
LILIENCRA NTZ, T., Aptos, Cala.....	1890
LINSKILL, DAVID J., Plymouth, Pa.....	1891
LLOYD, WILLIAM, Brownsville, Texas.....	1885
LOCKWOOD, Dr. SAMUEL, Freehold, N. J.....	1890
LONG, H. B., Lake View, Mass.....	1889

LOOMIS, JOHN A., Paint Rock, Concho Co., Texas.....	1887
LOOMIS, LEVERETT M., Chester, S. C.....	1883
LORING, J. ALDEN, Owego, N. Y.....	1889
LUCAS, FREDERIC A., U. S. Nat. Mus., Washington, D. C.....	1888
LUCAS, WM. ^d H., Bridgeport, Conn.....	1889
MACDOUGALL, GEO. R., 88 Wall St., New York City.....	1890
MACGILLIVRAY, ALEX. D., Cornell Univ., Ithaca, N. Y.....	1890
MACKAY, Prof. A. H., Halifax Academy, Nova Scotia.....	1885
MACKAY, GEO. H., Nantucket, Mass.....	1890
MACOUN, Prof. J., Geol. and Nat. Hist. Surv., Ottawa, Ontario.....	1883
McCORMACK, F. W., Leighton, Ala.....	1891
McGREGOR, R. C., 2847 Champa St., Denver, Col.....	1889
MAITLAND, ROBERT L., 70 Broad St., New York City.....	1889
MALI, CHARLES M., 329 Broadway, New York City.....	1889
MARSHALL, ALFRED, 59 South Canal St., Chicago, Ills.....	1886
MASON, EDWARD C., 377 Main St. Buffalo, N. Y.....	1888
MATHER, SIDNEY G., Morristown, N. J.....	1890
MELZER, JAMES P., Milford, N. H.....	1891
MERRIAM, Miss FLORENCE A., Locust Grove, Lewis Co., N. Y.....	1885
MERRILL, HARRY, Bangor, Maine.....	1883
METCALFE, WM. C., 21 Cortlandt St., New York City.....	1886
MILLER, G. S., Jr., 6 Bond St., Cambridge, Mass.....	1886
MILLER, Mrs. OLIVE THORNE, 244 Macon St., Brooklyn, N. Y.....	1887
MONTGOMERY, THOMAS H., JR., West Chester, Pa.....	1891
MOORE, J. PERCY, 1931 Judson Place, Philadelphia, Pa.....	1886
MOORE, Dr. H. D., New Lexington, Pa.....	1891
MORCOM, G. FREAM, 870 North Park Ave., Chicago, Ill.....	1886
MORRIS, GEO. SPENCER, Olney, Philadelphia, Pa.....	1887
MORRIS, ROBERT O., Springfield, Mass.....	1888
MORRISON, GEO. A., Fox Lake, Wis.....	1891
MORTIMER, BENJAMIN, 348 Lafayette Ave., Brooklyn, N. Y.....	1888
MURDOCH, JOHN, Smiths. Inst., Washington, D. C.....	1883
NICHOLAS, Dr. GEORGE LAWRENCE, 386 Manhattan Ave., New York City.....	1888
NICHOLS, J. M., Greene, Maine.....	1890
NORRIS, J. PARKER, 723 Walnut St., Philadelphia, Pa.....	1886
NORTON, ARTHUR H., Westbrook, Maine.....	1890
NORTON, RICHARD, Cambridge, Mass.....	1888
OSBERG, HARRY C., Wooster, Ohio.....	1888
OLDFIELD, W. A., Port Sanilac, Mich.....	1891
OLDRIGHT, CHAS. D., Austin, Texas.....	1890
ONG, PLUMMER L., Milan, Sullivan Co., Mo.....	1888
OSBORN, Rev. WM., Golden, Col.....	1890
PAINÉ, AUGUSTUS G., JR., Room 60, Times Bldg., New York City...	1886
PALMER, E. L., New Haven, Conn.....	1891
PALMER, T. S., Dept. of Agriculture, Washington, D. C.....	1888
PALMER, WM., U. S. Nat. Mus., Washington, D. C.....	1888

PANNEPACKER, D. E., 2513 North 12th St., Philadelphia, Pa.....	1888
PARK, AUSTIN F., 31 Boardman Building, Troy, N. Y.....	1885
PARK, J. T., Warner, Tenn.....	1890
PARKHOUSE, H. H., Tacoma, Washington.....	1890
PEABODY, REV. P. B., Owatonna, Minn.....	1891
PEABODY, W. RODMAN, Cambridge, Mass.....	1890
PEACOCK, W. F., Marysville, Cal.....	1888
PEARSON, T. GILBERT, Archer, Fla.....	1891
PECK, E. B., Brockport, N. Y.....	1890
PENNOCK, C. J., Kennett Sq., Chester Co., Pa.....	1888
PERKINS, CHAS. E., Hartford, Conn.....	1888
PERNOT, E. A., Corvallis, Oregon.....	1891
PETERSON, J. P., Luck, Wis.....	1885
PETTIT, A. E., 15 Cortlandt St., New York City.....	1889
PHILLIPS, A. H., 77 Biological Laboratory, Princeton, N. J.....	1891
PIERCE, A. K., Renovo, Pa.....	1891
PIERS, HARRY, Willow Park, Halifax, N. S.....	1891
PLEASANTS, J. H., Jr., 606 Cathedral St., Baltimore, Md.....	1888
PLUMMER, GORDON, 242 Purchase St., Boston, Mass.....	1890
POPENOE, Prof. E. A., Manhattan, Kan.....	1886
POSSON, NEIL F., Medina, N. Y.....	1890
PRATT, W. E., Lake Forest, Ill.....	1890
PRENTISS, D. W., JR., Washington, D. C.....	1890
PRILL, DR. A. G., Springville, N. Y.....	1890
PRIME, REV. WENDELL, 38 Park Row, New York City.....	1889
RADCLIFFE, CARLETON R., 127 West 64th St., New York City.....	1888
RAGSDALE, G. H., Gainesville, Texas.....	1885
RAINE, WALTER, Hayden St., Toronto, Ontario.....	1889
RALPH, DR. W. L., 26 Court St., Utica, N. Y.....	1888
RAUB, DR. M. W., Lancaster, Pa.....	1890
RATHBUN, FRANK R., 40 Franklin St., Auburn, N. Y.....	1883
RAWSON, CALVIN L., Norwich, Conn.....	1885
REDDINGTON, ALFRED P., 25 Second St., San Francisco, Cal.....	1890
REED, CHAS. K., Worcester, Mass.....	1890
REED, J. HARRIS, Beverly, N. J.....	1890
RHOADS, SAMUEL N., Haddonfield, N. J.....	1885
RICE, FRANK L., Evanston, Cook Co., Ill.....	1886
RICHARDS, JOHN BION, 8 Barnaby St., Fall River, Mass.....	1888
RICHARDSON, JENNESS, Am. Mus. Nat. Hist., New York City.....	1888
RICHARDSON, W. M., Am. Mus. Nat. Hist., New York City.....	1891
RICHMOND, CHAS. W., Patuca, Spanish Honduras.....	1888
RIDGWAY, JNO. L., U. S. Geol. Surv., Washington, D. C.....	1890
RIECKER, ERNST, 900 South 4th St., St. Louis, Mo.....	1888
RIKER, C. B., South Orange, N. J.....	1885
RILEY, Prof. C. V., U. S. Entomologist, Washington, D. C.....	1885
RIVES, DR. WM. C., 113 East 38th St., New York City.....	1885
ROBBINS, WM. A., 528 Golden Gate Ave., San Francisco, Cal.....	1888

ROBERTS, GEORGE W., West Chester, Pa.....	1891
ROBERTS, W. F., 503 E St., N. W., Washington, D. C.....	1888
RODDY, Prof. H. JUSTIN, Millersville, Pa.....	1891
ROGERS, GEORGE H., Madison, Wis.....	1891
ROOSEVELT, Hon. THEODORE, Oyster Bay, Queens Co., N. Y.....	1888
ROWLAND, THOS., 182 6th Ave., New York City.....	1890
ROWLEY, J., Jr., Am. Mus. Nat. Hist., New York City.....	1889
RUSSELL, GEO. C., 144 West 7th St., Erie, Pa.....	1888
RUSSELL, ROY, Kokomo, Indiana.....	1891
SAGE, HENRY M., Albany, N. Y.....	1885
SCHLEGEL, Miss MATILDE, 134 16th St., Buffalo, N. Y.....	1889
SCHURR, THEO. A., Pittsfield, Mass.....	1888
SCOTT, W. L., 74 Sparks St., Ottawa, Ontario.....	1883
SCROGGS, DR. G. A., Beaver, Pa.....	1891
SEE, ABRAM W., Arlington, N. J.....	1888
SEELY, HENRY M., Middlebury, Vt.....	1890
SEITER, PHIL. J., Chattanooga, Tenn.....	1888
SHARP, Miss ALDA M., Gladbrook, Iowa.....	1889
SHELTON, GEO. H., Seymour, Conn.....	1888
SHERRATT, W. J., 263 North 2d St., Philadelphia, Pa.....	1891
SHORES, DR. E. I., Soldiers' Home, Hampton, Va.....	1883
SHORT, ERNEST H., Chili, N. Y.....	1891
SLADE, JOHN A., 1134 Herkimer St., Brooklyn, N. Y.....	1888
SMALL, FRED'K L., Provincetown, Mass.....	1891
SMITH, CLARENCE A., 12 College Place, Colorado Springs, Col.....	1889
SMITH, HORACE G., Jr., 2918 Lafayette St., Denver, Col.....	1888
SMITH, DR. HUGH M., 1248 New Jersey Ave., Washington, D. C.....	1886
SMITH, JAMES E., East Killingly, Conn.....	1889
SMITH, LUTHER H., Box 132, Pittsburgh, Pa.....	1891
SMITH, PHILO W., Jr., Mona House, St. Louis, Mo.....	1890
SMITH, S. SIDNEY, 59 Wall St., New York City.....	1888
SMYTH, CLIFFORD, 435 East 116th St., New York City.....	1890
SORNBORGER, JEWELL D., Cambridge, Mass.....	1888
SOUTHWICK, E. B., Arsenal Bldg., Central Park, New York City....	1888
SOUTHWICK, WM. C., Raritan, N. J.....	1891
SPELMAN, H. M., 62 Sparks St., Cambridge, Mass.....	1883
SPRAGUE, JOHN C., 38 Wall St., New York City.....	1891
STANTON, Prof. J. Y., Bates College, Lewiston, Me.....	1883
STEBBINS, EDWARD S., Minneapolis, Minn.....	1889
STEERE, Prof. J. B., Ann Arbor, Mich.....	1890
STEPHENS, F., Santa Ysabel, San Diego Co., Cala.....	1883
STOEY, W. W., Harrisburg, Pa.....	1891
STONE, D. D., Lansing, N. Y.....	1891
STONE, WITMER, Acad. Nat. Sci., Philadelphia, Pa.....	1885
STREATOR, C. P., Garrettsville, O.....	1889
STRODE, DR. W. S., Bernadotte, Ill.....	1889
STRONG, REUBEN M., Wauwatosa, Wis.....	1889

STUDER, JACOB H., P. O. Box 2417, New York City.....	1888
SURBER, THAD., White Sulphur Springs, West Va.....	1890
SWALLOW, C. W., Willsburgh, Multuoma Co., Oregon.....	1890
SWINBURNE, JOHN, Holbrook, Apache Co., Ariz.....	1887
TALBOT, D. H., Sioux City, Iowa.....	1885
TATLOCK, JOHN, Jr., Mutual Life Ins. Co., New York City.....	1887
TAYLOR, ALEX. O'D., 124 Bellevue Ave., Newport, R. I.....	1888
TAYLOR, HARRY R., Alameda, Cala.....	1889
THOMPSON, ERNEST E., 86 Howard St., Toronto, Ontario.....	1883
THOMPSON, FRANK J., Zoölogical Garden, Philadelphia, Pa.....	1885
THORNE, Capt. PLATTE M., 22d Inf. U. S. A., Ft. Keogh, Montana.....	1885
THURBER, E. CARLETON, Alhambra, Cala.....	1886
TODD, LOUIS M., Calais, Me.....	1887
TODD, W. E. CLYDE, Dept. Agriculture, Washington, D. C.....	1890
TOPPAN, GEO. L., 138 Jackson St., Chicago, Ill.....	1886
TORREY, BRADFORD, Wellesley Hills, Mass.....	1883
TORTAT, W. R. M., Atchison, Kansas.....	1890
TOWNSEND, C. H., Smiths. Inst., Washington, D. C.....	1883
TREAT, WILLARD E., East Hartford, Conn.....	1885
TREICHLER, Dr. A. C., Elizabethtown, Pa.....	1891
TROMBLEY, JEROME, Petersburg, Mich.....	1885
TROTTER, Dr. SPENCER, Swarthmore College, Swarthmore, Pa.....	1888
TURNER, Dr. M. H., Hammondsville, Essex Co., N. Y.....	1885
TURNER, Dr. T. S., Huntington, N. Y.....	1889
TUTTLE, Dr. CARL, Berlin Heights, O.....	1890
VAN CORTLANDT, Miss ANNE P., Croton-on-Hudson, N. Y.....	1885
VAN RIPER, PAUL, Niles, Mich.....	1891
VELIE, Dr. J. W., Academy of Sciences, Chicago, Ill.....	1886
VERRILL, Prof. ALPHEUS H., 86 Whaley Ave., New Haven, Conn.....	1888
VILARO, Dr. JUAN, Havana Univ., Havana, Cuba.....	1888
VOORHEES, CLARK G., 59 East 75th St., New York City.....	1888
WADSWORTH, D. S., 401 Albany St., Hartford, Conn.....	1885
WAKEFIELD, J. R., Dedham, Mass.....	1885
WALKER, Dr. L. R., Mansfield Valley, Pa.....	1888
WARREN, Dr. B. H., West Chester, Pa.....	1885
WEBSTER, FREDERIC S., 738 Broadway, New York City.....	1886
WEBB, WALTER F., Geneva, N. Y.....	1891
WELLS, Dr. JOHN A., Englewood, N. J.....	1888
WEST, LEWIS H., Roslyn, Queens Co., N. Y.....	1887
WEST, SAMUEL H., 76 Devoe St., Brooklyn, N. Y.....	1889
WHEELER, DAVID E., cor. Park Ave. and 71st St., New York City...	1888
WHITE, FRANCIS BEACH, Cambridge, Mass.....	1891
WHITE, HARRY GORDON, Dep. of Agriculture, Washington, D. C....	1889
WHITE, STEWART E., Grand Rapids, Mich.....	1890
WHITNEY, Prof. E. R., Binghamton, N. Y.....	1891
WHOLEY, W. N., Johns Hopkins Univ., Baltimore, Md.....	1891
WICKHAM, H. H., Beaver, Pa.....	1890

WICKS, M. L., JR., Los Angeles, Cala.....	1890
WILLIAMS, J. B., 171 Johns St., Toronto, Ontario.....	1889
WILLIAMS, ROBERT S., Great Falls, Montana.....	1888
WINTLE, ERNEST D., 11 Hospital St., Montreal.....	1887
WINTON, Rev. GEORGE BEVERLY, San Luis Potosi, Mexico.....	1889
WOOD, A. H., Painted Post, N. Y.....	1887
WOODCOCK, Rev. C. E., Ansonia, Conn.....	1891
WOODMAN, EDMUND J., Phillips Acad., Andover, Mass.....	1890
WOODRUFF, LEWIS B., 14 East 68th St., New York City.....	1886
WORTHEN, CHARLES K., Warsaw, Ill.....	1891
WORTHINGTON, WILLIS W., Shelter Island, Suffolk Co., N. Y.....	1889
WRIGHT, Capt. J. W. A., Livingston, Ala.....	1888
WYE, SAMUEL A., Ocosta, Washington.....	1891
YORKE, Dr. F. HENRY, Hallock, Minn.....	1891
YOUNG, CURTIS C., 63 Greene Ave., Brooklyn, N. Y.....	1891
ZEREGA, Dr. LOUIS A., Barrett House, New York City.....	1883

DECEASED MEMBERS.

ACTIVE MEMBERS.

	<i>Date of Death.</i>
BAIRD, SPENCER F.....	Aug. 19, 1887.
GOSS, N. S.....	June 8, 1891.
HOLDER, J. B.....	Feb. 28, 1888.
WHEATON, J. M.....	Jan. 28, 1887.

HONORARY MEMBERS.

GURNEY, JOHN HENRY.....	April 20, 1890.
KRAUS, FERDINAND.....	Sept. 15, 1890.
PARKER, WILLIAM KITCHEN.....	July 3, 1890.
PELZELN, AUGUST VON.....	Sept. 2, 1891.
SCHLEGEL, HERMANN.....	Jan. 17, 1884.
TACZANOWSKI, LADISLAS.....	Jan. 17, 1890.

CORRESPONDING MEMBERS.

BLAKISTON, THOMAS W.....	Oct. 15, 1891.
BOGDANOW, MODEST N.....	March 4, 1888.
HAAST, JULIUS VON.....	Aug. 15, 1887.
HOMeyer, E. F. VON.....	May 31, 1889.
MARSchALL, A. F.....	Oct. 11, 1887.
PREJEVALSKI, N. M.....	Oct. 20, 1887.
PRYER, HARRY JAMES STOVIN.....	Feb. 17, 1888.

Deceased Members.

SEVERTZOW, N.....	Feb. 8, 1885.
STEVENSON, HENRY.....	Aug. 18, 1888.

ASSOCIATE MEMBERS.

ATKINS, H. A.....	May 19, 1885.
BECKHAM, C. W.....	June 8, 1888.
BREESE, WM. L.....	Dec. 7, 1889.
COE, W. W.....	April 26, 1885.
ELLIOTT, S. LOWELL.....	Feb. 11, 1889.
HOWLAND, JOHN SNOWDON.....	Sept. 19, 1885.
KUMLIEN, THURE.....	Aug. 5, 1888.
LINDEN, CHARLES.....	Feb. 3, 1888.
MABBETT, GIDEON.....	Aug. 15, 1890.
MINOT, H. D.....	Nov. 13, 1890.
NORTHROP, JOHN I.....	June 26, 1891.
SMALL, EDGAR A.....	April 24, 1884.
VENNOR, H. G.....	June 8, 1884.
WILLARD, S. W.....	May 24, 1887.
WOOD, WILLIAM.....	Aug. 9, 1885.

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