

OLD SERIES,
VOL. XX

CONTINUATION OF THE
BULLETIN OF THE NUTTALL ORNITHOLOGICAL CLUB.

NEW SERIES,
VOL. XII

The Auk

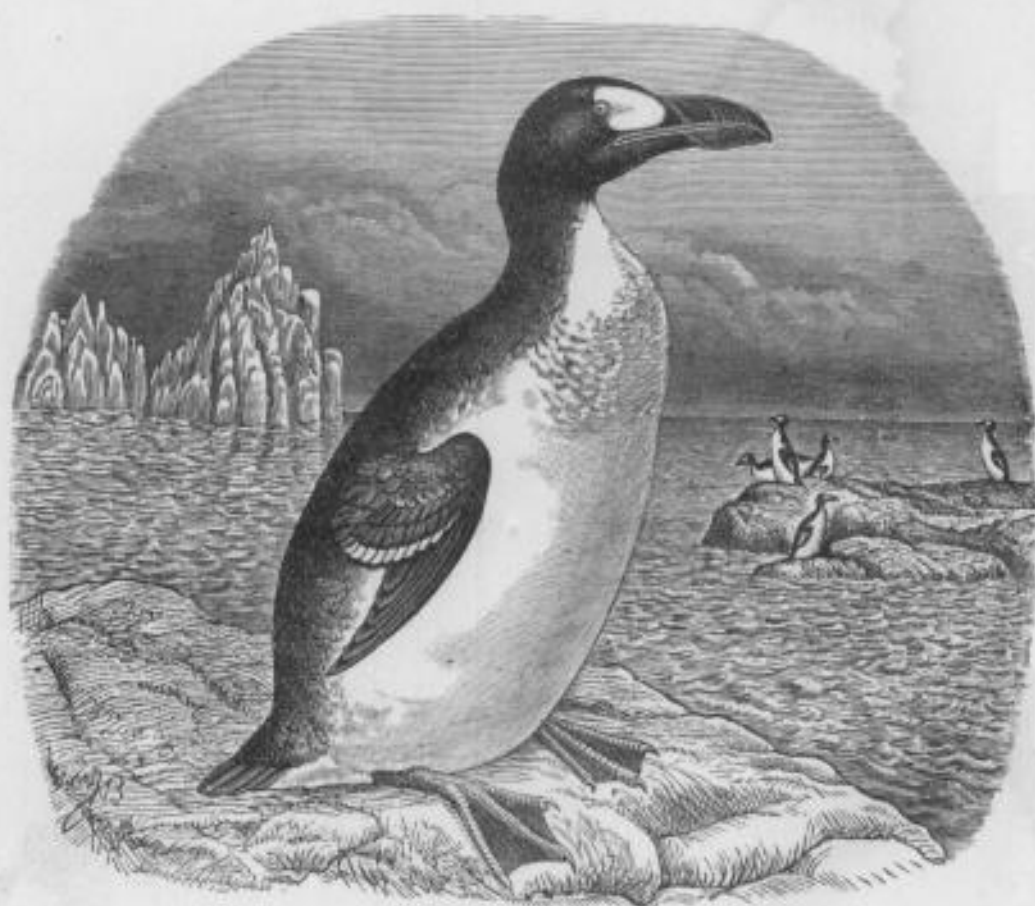
A Quarterly Journal of Ornithology

EDITOR

J. A. ALLEN

ASSOCIATE EDITOR

FRANK M. CHAPMAN



VOLUME XII

PUBLISHED FOR

The American Ornithologists' Union

NEW YORK

L. S. FOSTER

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Volume 12 No. 1

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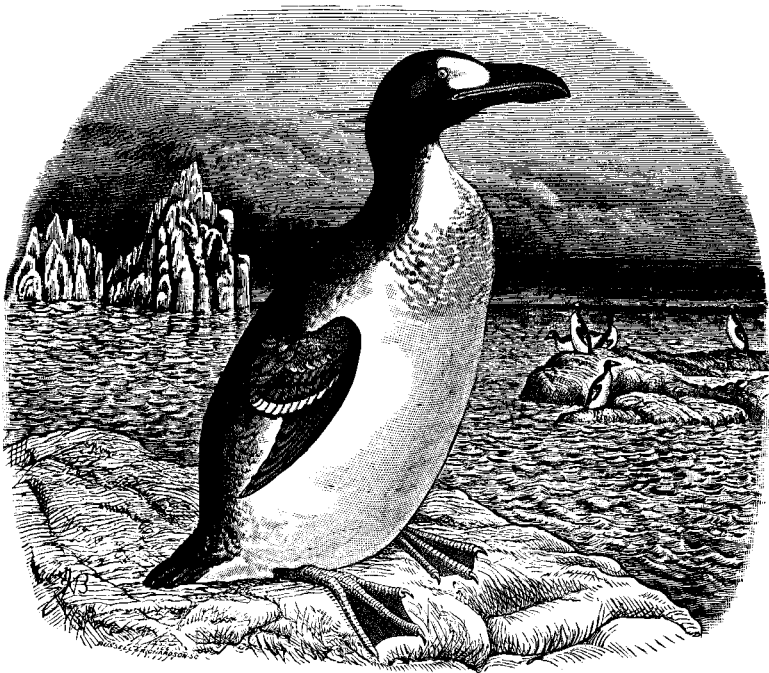
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MELZER, JAMES P., Milford, N. H.....	1891
MÉNGE, Capt. J. F., Meyers, Fla.....	1892
MERRIAM, Miss FLORENCE A., Locust Grove, Lewis Co., N. Y.....	1885
MERRILL, HARRY, Bangor, Maine.....	1883
METCALFE, WILLIAM C., 21 Cortlandt St., New York City.....	1886
MILLER, GERRIT SMITH, Jr., Peterboro', N. Y.....	1886
MILLER, HARRY E., Croton Falls, N. Y.....	1892
MILLER, JAMES HENRY, Lowville, N. Y.....	1894
MILLER, Mrs. OLIVE THORNE, 628 Hancock St., Brooklyn, N. Y.....	1887
MILLS, R. WALTER, Webster Groves, Mo.....	1893
MITCHELL, WALTON, 534 Summit Ave., St. Paul, Minn.....	1893
MONTGOMERY, THOMAS H., Jr., West Chester, Pa.....	1891
MOORE, J. PERCY, Univ. of Pa., Philadelphia, Pa.....	1886
MOORE, Dr. H. D., New Lexington, Pa.....	1891
MORCOM, G. FREAN, Opera House Building, Los Angeles, Cala.....	1886
MORRIS, GEORGE SPENCER, Olney, Philadelphia, Pa.....	1887
MORRIS, ROBERT O., Springfield, Mass.....	1888
MORRISON, GEORGE A., Fox Lake, Wis.....	1891
MORTIMER, BENJAMIN, 391 5th St., S. Brooklyn, N. Y.....	1888
MOULTON, LORENZO EDWARD, Monson, Maine.....	1893
MURDOCH, JOHN, Rock, Mass.....	1883
MURPHY, Prof. EUGENE EDMUND, Athens, Ga.....	1893
NACHTRIEB, Prof. HENRY F., Univ. of Minn., Minneapolis, Minn.....	1892
NASH, H. W., Pueblo, Colorado.....	1892
NEAL, HERBERT VINCENT, 2 Shepherd Block, Cambridge, Mass.....	1894
NICHOLAS, Rev. GEORGE L., M. D., Medford, Taylor Co., Wisc.....	1888
NICHOLS, HOWARD GARDNER, Newton, Mass.....	1892
NICHOLS, J. M., Greene, Maine.....	1890
NISWANDER, Prof. F. J., Univ. of Wyoming, Laramie, Wy.....	1893
NORRIS, GUY BRUNAUGH, Garden City, Kans.....	1894
NORRIS, Rev. JAMES AVERY, Hastings on Hudson, N. Y.....	1894
NORRIS, J. PARKER, 723 Walnut St., Philadelphia, Pa.....	1886
NORTON, ARTHUR H., Westbrook, Maine.....	1890
NORTON, ARTHUR HENRY WHITELEY, San Antonio, Texas.....	1894
NORTON, RICHARD, Cambridge, Mass.....	1888
OBERHOLSER, HARRY C., 557 Quincy St., Brooklyn, N. Y.....	1888
OLDFIELD, W. A., Port Sanilac, Mich.....	1891
O'NEIL, EDWARD, Sewickley, Allegheny Co., Pa.....	1893

ONG, PLUMMER L., Laclede, Mo.....	1888
ORTH, GEORGE S., 406 S. Hiland Ave., Pittsburgh, Pa.....	1892
OSBORN, CHASE S., Sault Ste. Marie, Mich.....	1893
OSBORNE, JOHN LANG, Manchester, N. H.....	1894
OSBURN, Rev. WILLIAM, Nashville, Tenn.....	1890
OSGOOD, WILFRED H., Willcox, Cochise Co., Ariz.....	1893
OWEN, VIRGIL WILLIAMS, P. O. Box 774, Los Angeles, Cal.....	1894
PAINÉ, AUGUSTUS G., Jr., 47 W. 45th St., New York City.....	1886
PALMER, E. L., New Haven, Conn.....	1891
PALMER, THEODORE S., Dept. of Agriculture, Washington, D. C.....	1888
PALMER, Wm., U. S. Nat. Mus., Washington, D. C.....	1888
PANNEPACKER, D. E., 2550 North 12th St., Philadelphia, Pa.....	1888
PARK, J. T., St. Elmo, Hamilton Co., Tenn.....	1890
PARKER, J. GRAFTON, Jr., 100 Washington St., Chicago, Ill.....	1894
PEABODY, Rev. P. B., Wilder, Minn.....	1891
PEABODY, WILLIAM RODMAN, Cambridge, Mass.....	1890
PEACOCK, W. F., Chico, Butte Co., Cal.....	1888
PEARSON, T. GILBERT, Archer, Fla.....	1891
PENNOCK, C. J., Kennett Square, Chester Co., Pa.....	1888
PERKINS, CHARLES E., Hartford, Conn.....	1888
PERNOT, E. A., Granger, Benton Co., Oregon.....	1891
PETERSON, J. P., West Denmark P. O., Polk Co., Wis.....	1885
PHILLIPS, A. H., Princeton, N. J.....	1891
PIERCE, A. K., Renovo, Pa.....	1891
PIERS, HARRY, "Stanyan," Willow Park, Halifax, N. S.....	1891
PLEASANTS, J. H., Jr., 606 Cathedral St., Baltimore, Md.....	1888
POMEROY, HARRY KIRKLAND, P. O. Box 575, Kalamazoo, Mich.....	1894
POPE, ARTHUR LAMSON, Sheridan, Oregon.....	1894
POPENOE, Prof. E. A., Manhattan, Kan.....	1886
PORTER, LOUIS H., 358 Whitehall St., New Haven, Conn.....	1893
PRAEGER, WILLIAM E., Keokuk, Iowa.....	1892
PREBLE, EDWARD A., Dept. of Agriculture, Washington, D. C.....	1892
PRENTISS, D. W., Jr., Washington, D. C.....	1890
PRICE, WILLIAM W., Stanford University, Cal.....	1893
PRILL, Dr. A. G., Sodaville, Oregon.....	1890
PRIME, Rev. WENDELL, 38 Park Row, New York City.....	1889
PURDY, JAMES B., Plymouth, Mich.....	1893
RAGSDALE, G. H., Gainesville, Texas.....	1885
RAINE, WALTER, 181 Bleeker St., Toronto, Ontario.....	1889
RALPH, Dr. WILLIAM L., 26 Court St., Utica, N. Y.....	1888
RANN, Mrs. MARY L., Manchester, Iowa.....	1893
RAUB, Dr. M. W., Lancaster, Pa.....	1890
RATHBUN, FRANK R., 42½ Franklin St., Auburn, N. Y.....	1883
RATHBUN, SAMUEL F., Seattle, Wash.....	1893
RAWSON, CALVIN L., Norwich, Conn.....	1885
REDINGTON, ALFRED P., 23 Second St., San Francisco, Cal.....	1890
REED, J. HARRIS, Beverly, N. J.....	1890

REED, HOWARD S., 1320 Gaylord St., Denver, Colo.....	1894
REISER, Rev. F., Anaheim, Orange Co., Cala.....	1892
RENWICK, FRANK H., Seattle, Wash.....	1893
RHOADS, SAMUEL N., Haddonfield, N. J.....	1885
RICE, FRANK L., 47 S Canal St., Chicago, Ill.....	1886
RICHARDS, JOHN BION, 10 Barnaby St., Fall River, Mass.....	1888
RICHARDSON, W. M., Am. Mus. Nat. Hist., New York City.....	1891
RICHMOND, CHARLES W., 1908 9th St., N. W., Washington, D. C.....	1888
RICKER, EVERETT WILDER, P. O. Box 5083, Boston, Mass.....	1894
RIDGWAY, JOHN L., U. S. Geol. Surv., Washington, D. C.....	1890
RIECKER, ERNST, 900 South 4th St., St. Louis, Mo.....	1888
RIKER, CLARENCE B., Maplewood, N. J.....	1885
RIVES, Dr. WILLIAM C., 113 East 38th St., New York City.....	1885
ROBBINS, WILLIAM A., 178 Garfield Place, Brooklyn, N. Y.....	1888
ROBERTS, GEORGE W., West Chester, Pa.....	1891
ROBERTS, W. F., 1421 G St., N. W., Washington, D. C.....	1888
RODDY, Prof. H. JUSTIN, Millersville, Pa.....	1891
ROOD, Mrs. E. IRENE, 202 Oakwood Boulevard, Chicago, Ill.....	1893
ROOSEVELT, Hon. THEODORE, Oyster Bay, Queens Co., N. Y.....	1888
ROTZELL, Dr. W. E., Narberth, Pa.....	1893
ROWLAND, THOMAS, 182 6th Ave., New York City.....	1890
ROWLEY, JOHN, Jr., Am. Mus. Nat. Hist., New York City.....	1889
ROZYCKI, STEPHEN, Bureau of Steam Engineering, Navy Dept., Washington, D. C.....	1894
RUSSELL, GEORGE C., Erie, Pa.....	1888
RUSSELL, ROY, Kokomo, Indiana.....	1891
RUSSELL, WILLIAM BLACK, Fiskdale, Mass.....	1893
SAGE, HENRY M., Albany, N. Y.....	1885
SARGENT, HARRY B., 366 W. 116th St., New York City.....	1892
SAVAGE, DAVID LEWIS, Salem, Iowa.....	1894
SCHALER, JOHN, Stamford, Conn.....	1893
SCHURR, THEODORE A., Pittsfield, Mass.....	1888
SCHWAB, Rev. LAWRENCE H., 101 Lawrence St., New York City.....	1892
SCOTT, W. L., 74 Sparks St., Ottawa, Ontario.....	1883
SCROGGS, Dr. G. A., Tempe, Ariz.....	1891
SCUDDER, BRADFORD A., Taunton, Mass.....	1893
SHARPLESS, ROBERT P., Elgin, Ill.....	1894
SHEARER, AMON R., Wallaceville, Chambers Co., Texas.....	1893
SHEPPARD, EDWIN, Acad. Nat. Sci., Philadelphia, Pa.....	1892
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
SHRYOCK, WILLIAM A., 823 N. Broad St., Philadelphia, Pa.....	1893
SIMMONS, EGBERT W., 239 Westminster St., Providence, R. I.....	1894
SKINNER, FRANCIS B., Rockville, Conn.....	1894
SLADE, JOHN A., 1134 Herkimer St., Brooklyn, N. Y.....	1888
SLATER, JAMES HOWE, Webster, Mass.....	1894

SMITH, CLARENCE A., 182 Fifth Avenue, New York City.....	1889
SMITH, HORACE G., 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, S. SIDNEY, 59 Wall St., New York City.....	1888
SMYTH, Prof. ELLISON A., Jr., Agr. and Mech. Coll., Blacksburg, Va.....	1892
SORNBORGER, JEWELL D., Cambridge, Mass.....	1888
SOUTHWICK, E. B., Arsenal Bldg., Central Park, New York City....	1888
SPAULDING, FRED. B., Lancaster, N. H.....	1894
SPELMAN, HENRY MUNSON, 62 Sparks St., Cambridge, Mass.....	1883
SPRAGUE, JOHN C., 257 W. 74th St., New York City.....	1891
SPRATT, CHESMAN CHADWICK, Richmond, Maine.....	1894
STANTON, Prof. J. Y., Bates College, Lewiston, Me.....	1883
STEERE, Prof. J. B., Univ. of Mich., Ann Arbor, Mich.....	1890
STEERE, JOSEPH H., Sault Ste. Marie, Mich.....	1894
STEPHENS, F., Witch Creek, San Diego Co., Cala.....	1883
STEPHENSON, MRS. LOUISE MCGOWN, Helena, Ark.....	1894
STOEY, W. W., Harrisburg, Pa.....	1891
STONE, CLARENCE FREEDOM, Branchport, N. Y.....	1894
STONE, DWIGHT, D. Lansing, N. Y.....	1891
STONE, DR. W. H., Palmer, Mass.....	1893
STONEBURN, FRED. H., Harrisburg, Pa.....	1893
STREATOR, CLARK P., Garrettsville, O.....	1889
STREEKER, JOHN KERN, Jr., Waco, Texas.....	1894
STRONG, REUBEN M., Oberlin, Ohio.....	1889
STUDER, JACOB H., 114 Fifth Ave., New York City.....	1888
SURBER, THADDEUS, White Sulphur Springs, West Va.....	1890
SWINBURNE, JOHN, Guernsey, England.....	1887
TALBOT, D. H., Sioux City, Iowa.....	1885
TATLOCK, JOHN, Jr., Mutual Life Ins. Co., New York City.....	1887
TAYLOR, ALEXANDER O'DRISCOLL, 124 Bellevue Ave., Newport, R. I.....	1888
TAYLOR, H., 63 Park Place, Bridgeport, Conn.....	1893
TAYLOR, TRUMAN R., 200 N. Union St., Rochester, N. Y.....	1892
TEST, FREDERICK CLEVELAND, U. S. Nat. Mus., Washington, D. C.....	1892
THOMPSON, ERNEST E., 86 Howard St., Toronto, Can.....	1883
THOMPSON, FRANK J., Zoological Garden, Philadelphia, Pa.....	1885
THOMSON, Prof. GEORGE S., Parker, Ariz.....	1892
THORNE, Capt. PLATTE M., 22d Inf. U. S. A., 513 Broadway, Albany, N. Y.....	1885
THURBER, E. CARLETON, Alhambra, Cala.....	1886
TODD, LOUIS M., Calais, Me.....	1887
TODD, W. E. CLYDE, Dept. Agriculture, Washington, D. C.....	1890
TOPPAN, GEORGE L., 138 Jackson St., Chicago, Ill.....	1886
TORREY, BRADFORD, Wellesley Hills, Mass.....	1883
TORTAT, W. R. M., Atchison, Kansas.....	1890
TOWNSEND, CHARLES H., Fish Comm., Washington, D. C.....	1883
TOWNSEND, WILMOT, Bay Ridge, N. Y.....	1894

TREAT, WILLARD E., East Hartford, Conn.....	1885
TROMBLEY, JEROME, Petersburg, Mich.....	1885
TROTTER, Dr. SPENCER, Swarthmore College, Swarthmore, Pa.....	1888
TROVILLION, Dr. E. B., Gold Hill, Colo.....	1893
TUTTLE, Dr. CARL, Berlin Heights, Ohio.....	1890
VAN CORTLANDT, Miss ANNE S., Croton-on-Hudson, N. Y.....	1885
VAN DENBURG, JOHN, Acad. Sci., San Francisco, Cala.....	1893
VAN WINKLE, EDMUND, Vans Harbor, Mich.....	1894
VAUGHAN, CLIFFORD WHEATON, 47 W. 83d St., New York City.....	1894
VELIE, Dr. J. W., St. Joseph, Mich.....	1886
VILARO, Dr. JUAN, Havana Univ., Havana, Cuba.....	1888
VOORHEES, CLARK G., 33 W. 42nd St., New York City.....	1888
WALCOTT, ROBERT, 11 Waterhouse St., Cambridge, Mass.....	1893
WALKER, Dr. R. L., Carnegie, Pa.....	1888
WALL, EDWARD, San Bernardino, Cala.....	1894
WALTER, HERBERT EUGENE, 402 Center St., Chicago, Ill.....	1894
WARREN, Dr. B. H., West Chester, Pa.....	1885
WARREN, OSCAR BIRD, Palmer, Mich.....	1892
WASHBURN, F. L., Corvallis, Oregon.....	1893
WATERS, EDWARD STANLEY, Holyoke, Mass.....	1894
WATKINS, L. WHITNEY, Manchester, Mich.....	1894
WEBSTER, FREDERIC S., 106 E. 23d St., New York City.....	1886
WEBB, WALTER F., Albion, N. Y.....	1891
WEEKS, DAVID FRANKLIN, Portland, Oregon.....	1894
WEIDMAN, JOE, Ames, Iowa.....	1893
WEST, LEWIS H., Roslyn, Queens Co., N. Y.....	1887
WEST, SAMUEL H., Flushing, Queens Co., N. Y.....	1889
WHITE, FRANCIS BEACH, Cambridge, Mass.....	1891
WHITE, STEWART E., Grand Rapids, Mich.....	1890
WHITNEY, Prof. E. R., Binghamton, N. Y.....	1891
WHITAKER, WILLIAM LINCOLN, Cedar Grove, Frankford P. O., Phil- adelphia, Pa.....	1894
WHOLEY, W. N., 204 Brady Ave., Baltimore, Md.....	1891
WICKHAM, H. H., Beaver, Pa.....	1890
WICKS, M. L., Jr., Los Angeles, Cala.....	1890
WILDE, MARK L. C., Camden, N. J.....	1893
WILLIAMS, Dr. HENRY SMITH, 66 W. 84th St., New York City.....	1893
WILLIAMS, J. BICKERTON, 710 Sherbrooke St., Montreal, Can.....	1889
WILLIAMS, ROBERT S., Columbia Falls, Montana.....	1888
WILLIAMS, W. J. B., Holland Patent, N. Y.....	1893
WILSON, Wm. EDWARD, 387 Olney St., Providence, R. I.....	1894
WINTLE, ERNEST D., 11 Hospital St., Montreal, Can.....	1887
WOOD, A. H., Painted Post, N. Y.....	1887
WOOD, Mrs. JOSEPH, West Brookfield, Mass.....	1893
WOODRUFF, FRANK M., Acad. Sci., Lincoln Park, Chicago, Ill.....	1894
WOODRUFF, LEWIS B., 14 East 68th St., New York City.....	1886
WOODS, WILLIAM J., State Bank Bldg., Richmond, Va.....	1892

WOODWORTH, MRS. NELLY HART, St. Albans, Vt.	1894
WORTHEN, CHARLES K., Warsaw, Ill.	1891
WORTHINGTON, R. B., Dedham, Mass.	1893
WORTHINGTON, WILLIS W., Shelter Island, Suffolk Co., N. Y.	1889
WRIGHT, FRANK S., 14 Cayuga St., Auburn, N. Y.	1894
YORKE, DR. F. HENRY, Hallock, Minn.	1891
YOUNG, CURTIS CLAY, 63 Greene Ave., Brooklyn, N. Y.	1891
YOUNG, HENRY LATHROP, Poughkeepsie, N. Y.	1894
ZWARG, EMIL, Marysville, Cala.	1893

DECEASED MEMBERS.

ACTIVE MEMBERS.

Date of Death.

BAIRD, SPENCER FULLERTON	Aug. 19, 1887
GOSS, N. S.	March 10, 1891
HOLDER, JOSEPH B.	Feb. 28, 1888
JEFFRIES, JOHN AMORY	March 26, 1892
WHEATON, JOHN M.	Jan. 28, 1887

HONORARY MEMBERS.

BURMEISTER, HERMANN.	May 1, 1892
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.

BALDAMUS, EDUARD, Halle, Germany.	Oct. 30, 1893
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
MIDDENDORFF, ALEXANDER THEODOR VON.	Jan. 28, 1894
PREJEVALSKI, N. M.	Oct. 20, 1887
PRYER, HARRY JAMES STOVIN.	Feb. 17, 1888
SCHRENCK, LEOPOLD VON.	Jan. 20, 1894
SEVERTZOW, N.	Feb. 8, 1885
STEVENSON, HENRY.	Aug. 18, 1888

ASSOCIATE MEMBERS.

ADAMS, CHARLES F.....	May 20, 1893
ALLEN, CHARLES SLOVER.....	Oct. 15, 1893
ATKINS, H. A.....	May 19, 1885
AVERY, WILLIAM CUSHMAN.....	March 11, 1894
BECKHAM, CHARLES WICKLIFFE.....	June 8, 1888
BOLLES, FRANK.....	Jan. 10, 1894
BREESE, WILLIAM L.....	Dec. 7, 1889
CORNING, ERASTUS, JR.....	April 9, 1893
COE, W. W.....	April 26, 1885
ELLIOTT, S. LOWELL.....	Feb. 11, 1889
GOSS, BENJAMIN F.....	July 6, 1893
HOWLAND, JOHN SNOWDON.....	Sept. 19, 1885
JENKS, JOHN W. P.....	Sept. 27, 1894
JOUY, PIERRE LOUIS.....	March 22, 1894
KUMLIEN, THURE.....	Aug. 5, 1888
LINDEN, CHARLES.....	Feb. 3, 1888
MABBETT, GIDEON.....	Aug. 15, 1890
MINOT, HENRY DAVIS.....	Nov. 13, 1890
NORTHROP, JOHN I.....	June 26, 1891
PARK, AUSTIN F.....	Sept 22, 1893
RICHARDSON, JENNESS.....	June 24, 1893
SMALL, EDGAR A.....	April 24, 1884
VENNOR, H. G.....	June 8, 1884
WILLARD, SAMUEL WELLS.....	May 24, 1887
WOOD, WILLIAM.....	Aug. 9, 1885