

OLD SERIES, } CONTINUATION OF THE } NEW SERIES,  
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# The Auk

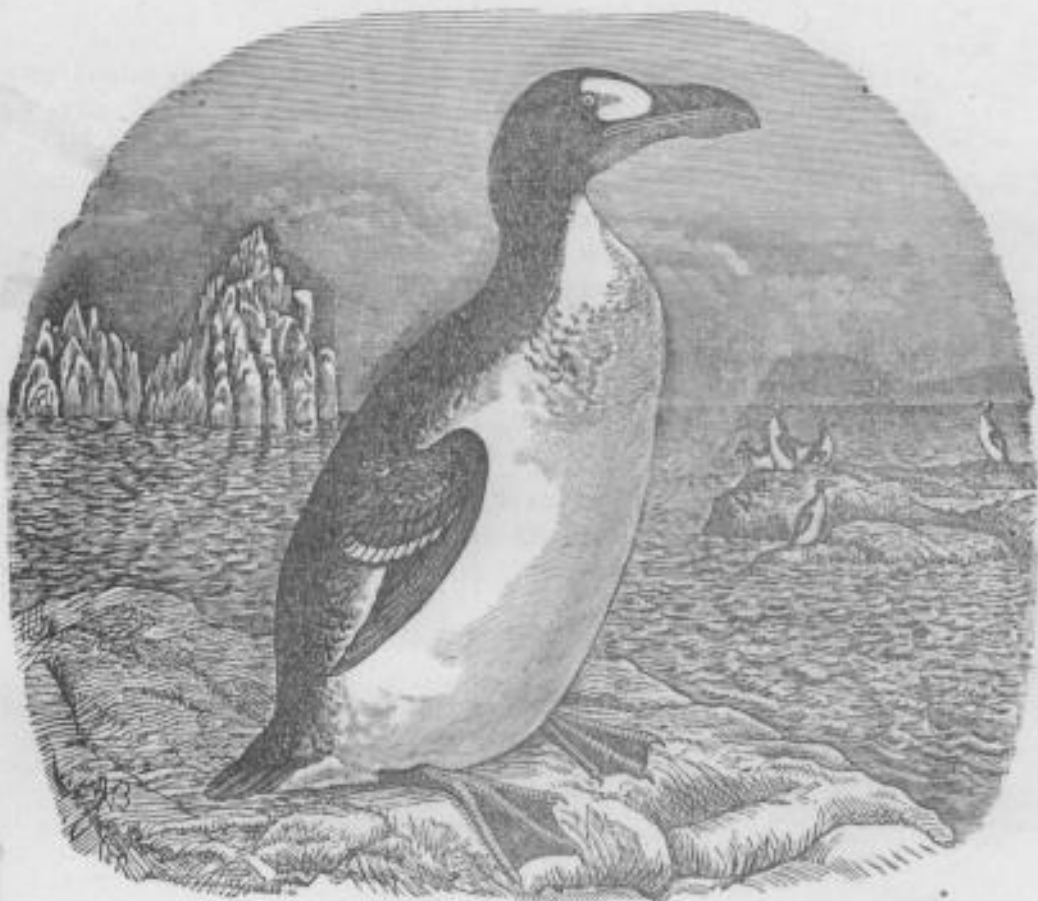
A Quarterly Journal of Ornithology

EDITOR,

J. A. ALLEN

ASSOCIATE EDITORS,

ELLIOTT COUES, ROBERT RIDGWAY, WILLIAM BREWSTER,  
AND MONTAGUE CHAMBERLAIN



VOLUME III

PUBLISHED FOR

**The American Ornithologists' Union**

NEW YORK

L. S. FOSTER

1886

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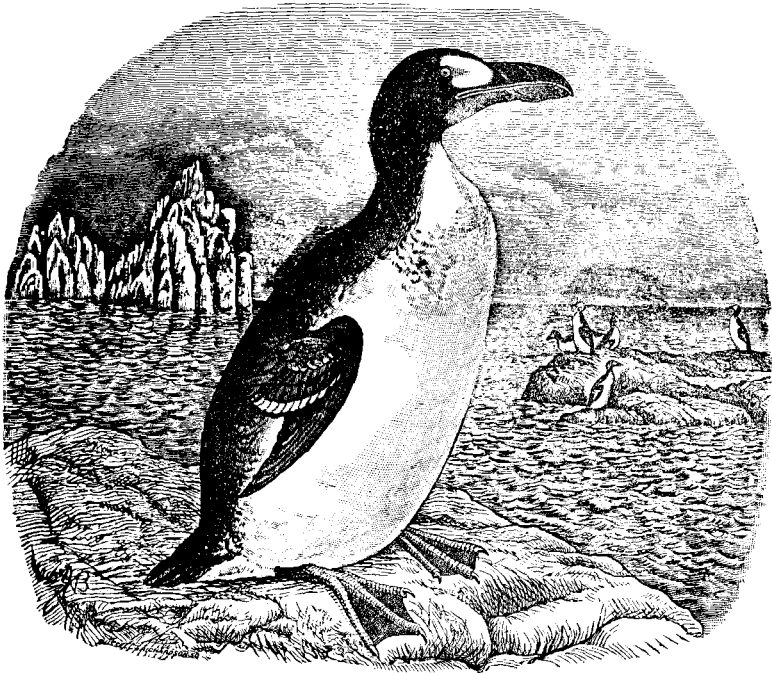
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JOHNSON, Prof. O. B., Seattle, Wash. Terr.....	1885
JONES, Mrs. N. E., Circleville, Ohio.....	1885
JORDAN, Prof. D. S., Bloomington, Ind.....	1885
KEYES, C. R., Des Moines, Iowa.....	1885
KIMBALL, S. T., Ellington, Conn.....	1885
KUMLIEN, THURE, Albion, Wis.....	1883
LAMB, CHARLES R., Cambridge, Mass.....	1885
LANTZ, Prof. D. E., Manhattan, Kan.....	1885
LAWRENCE, ROBERT B., 34 Wall St., New York City.....	1883
LINDEN, Prof. CHARLES, 75 E. Eagle St., Buffalo, N. Y.....	1885
LLOYD, WILLIAM, San Angela, Texas.....	1885
LOOMIS, L. M., Chester, S. C.....	1883
MACOUN, Prof. J., Geol. and Nat. Hist. Surv., Ottawa, Can.....	1883
McKAY, Prof. A. H., Pictou, N. S.....	1885
MERRIAM, Miss FLORENCE A., Locust Grove, N. Y.....	1885
MERRIL, HARRY, Bangor, Me.....	1883
MINOT, H. D., 39 Court St., Boston, Mass.....	1883
MURDOCH, JOHN, Smiths. Inst., Washington, D. C.....	1883
OSBORNE, THOMAS B., New Haven, Conn.....	1885
PARK, AUSTIN F., 31 Museum Building, Troy, N. Y.....	1885

PETERSON, J. P., Luck, Wis.....	1885
PRESTON, J. W., Baxter, Iowa.....	1885
RAGSDALE, G. H., Gainesville, Texas.....	1885
RAWSON, CALVIN, JR., Norwich, Conn.....	1885
RHOADES, SAMUEL N., Haddonfield, N. J.....	1885
RIKER, C. B., 301 Produce Exchange, New York City.....	1885
RILEY, Prof. C. V., U. S. Entomologist, Washington, D. C.....	1885
RIVES, Dr. WM. E., Newport, R. I.....	1885
SAGE, HENRY W., Murand's Road, Albany, N. Y.....	1885
SCOTT, W. L., 86 Sparks St., Ottawa, Can.....	1883
SPELMAN, H. W., 62 Sparks St., Cambridge, Mass.....	1883
STANTON, Prof. J. Y., Lewiston, Me.....	1883
STEPHENS, F., San Bernardino, Cal.....	1883
STODDARD, MRS. G. L. F., South Woodstock, Conn.....	1885
STONE, WITMER, Fisher's Lane, Germantown, Penn.....	1885
TALBOT, D. H., Sioux City, Iowa.....	1885
THOME, Capt. PLATTE M., 22d Inf. U. S. A., Fort Lyon, Col.....	1885
THOMPSON, ERNEST E., Toronto, Can.....	1883
THOMPSON, FRANK J., Dept. Public Works, 64th St. & 5th Ave., New York City.....	1885
TORREY, BRADFORD, 1 Somerset St., Boston, Mass.....	1883
TOWNSEND, C. H., Smiths. Inst., Washington, D. C.....	1883
TREAT, WILLARD E., East Hartford, Conn.....	1885
TROMBLEY, JEROME, Petersburg, Mich.....	1885
TRUMBULL, GURDON, Hartford, Conn.....	1884
TURNER, LUCIEN M., Smiths. Inst., Washington, D. C.....	1885
TURNER, Dr. M. H., Hammondville, Essex Co., N. Y.....	1885
VAN CORTLAND, Miss ANNE P., Croton Landing, Westchester Co., N. Y.....	1885
WADSWORTH, D. S., Hartford, Conn.....	1885
WAKEFIELD, J. R., Dedham, Mass.....	1885
WARREN, Dr. B. H., West Chester, Penn.....	1885
WILLARD, S. W., West DePere, Wis.....	1883
WILSON, CHARLES B., Benton Falls, Me.....	1885

FOREIGN MEMBERS.

	<i>Date of Election.</i>
BOCAGE, Prof. J. V. BARBOZA DU, Royal Museum, Lisbon, Portugal.....	1883
BURMEISTER, Dr. HERMANN VON, Director National Museum, Buenos Ayres.....	1884
CABANIS, Prof. Dr. JEAN, Alte Jacobstrasse, 103a, Berlin, Germany.....	1883
DRESSER, HENRY E., Topclyffe Grange, Farnborough, Beckenham, Kent, England.....	1883
FINSCH, Dr. OTTO, Bremen, Germany.....	1883
GÄTKE, HEINRICH, Heligoland.....	1884
GIGLIOLI, Dr. HENRY HILLYER, Royal Superior Institute, Florence, Italy.....	1883

GUNDLACH, DR. JUAN, Ingenio Fermina, Bemba, Cuba.....	1883
GURNEY, JOHN HENRY, Northrepps Hall, Norwich, England.....	1883
HÄRTLAUB, DR. GUSTAV, Bremen, Germany.....	1883
HUME, ALLAN OCTAVIAN, Simla, India.....	1883
HÜXLEY, THOMAS II., 4 Marlborough Place, Abbey Road, London, N. W.....	1883
KRAUSS, DR. FERDINAND, Stuttgart, Germany.....	1883
MILNE-EDWARDS, Prof. ALPHONSE, Rue Cuvier, 57, Paris.....	1883
NEWTON, Prof. ALFRED, University of Cambridge, England.....	1883
PARKER, Prof. WILLIAM KITCHEN, Crowland, Trinity Road, Upper Woting, London, S. W.....	1883
PELZELN, DR. AUGUST VON, I. Schonlatemgasse, 13, Museum, I, Vienna.....	1883
SALVADORI, Prof. Count TOMMASO, Royal Zoöl. Museum, Turin, Italy.....	1883
SALVIN, OSBERT, Hawksford, Fernhurst, Haslemere, England..	1883
SAUNDERS, HOWARD, 7 Radnor Place, Hyde Park, London, W.....	1884
SCLATER, DR. PHILIP LUTLEY, 11 Hanover Sq., London, W.....	1883
*SCHLEGEL, Prof. DR. HERMAN, Leyden, Holland.....	1883
SEEBOHM, HENRY, 6 Tenterden St., Hanover Sq., London, W.....	1884
SHARPE, RICHARD BOWDLER, British Museum, South Kensington, London, S. W.....	1883
TACZANOWSKI, DR. W., University, Warsaw, Russia.....	1884
WALLACE, Prof. ALFRED RUSSEL, Nutwood Cottage, Frith Hill, Godalming, England.....	1883

## CORRESPONDING MEMBERS.

	<i>Date of Election.</i>
ALTUM, DR. C. A., Eberswalde, Germany.....	1884
ANDERSON, DR. JOHN, India Museum, Calcutta.....	1884
BALDAMUS, DR. EDOUARD, Coburg, Germany.....	1884
BERLEPSCH, Count HANS VON, Muenden, Germany.....	1883
BLAKISTON, Capt. THOMAS W., London, Ohio.....	1883
BLANFORD, W. T., Arts Club, London.....	1884
BLASIUS, DR. RUDOLF, Brunswick, Germany.....	1884
BLASIUS, DR. WILHELM, Brunswick, Germany.....	1884
BULLER, WALTER LAWRY, Wellington, New Zealand.....	1883
BUREAU, DR. LOUIS, Nantes, France.....	1884
BUTLER, Major E. A., Royal Irish Regiment, Belfast, Ireland.....	1884
BOGDANOW, Prof. DR. MODEST, University of Moscow, Moscow,	1884
COLLETT, ROBERT, Christiania, Norway.....	1883
COOPER, DR. J. G., Haywards, California.....	1884
CORDEAUX, JOHN, Great Cotes, Ulceby, Lincolnshire, England....	1884
DALGLEISH, JOHN J., 8 Athole Crescent, Edinburgh.....	1883
DAVID, L'ABBÉ ARMAND, Rue de Sevres, 95, Paris.....	1883
DUBOIS, DR. ALPHOSE, Museum Nat. History, Brussels.....	1884

\*Deceased.

DUGÈS, Prof. ALFREDO, Colegio del Estado, Guanajuato, Mexico.....	1884
ECHT, ADOLF BACHOFEN VON, Vienna.....	1884
FATIO, Dr. VICTOR, Geneva, Switzerland.....	1884
FEILDEN, Major H. W., Royal Artillery Barracks, Woolwich, England.....	1884
FERRARI-PEREZ, Prof. FERNANDO, Naturalist Mexican Geol. Expl. Commission, Pueblo, Mexico.....	1885
FREKE, PERCY EVANS, Rosemount, Dundrum, County Dublin, Ire- land.....	1883
GADOW, Dr. HANS, Strickland Museum, Cambridge, England.....	1884
GIRTANNER, Dr. A., St. Galle, Switzerland.....	1884
GODMAN, F. DU CANE, 10 Chandos Street, Cavendish Sq., London,	1883
GODWIN-AUSTIN, Col. H. H., Junior United Service Club, London.	1884
GRANDIDIER, ALFRED, 6 Rond-Point des Champs Elysées, Paris...	1883
GURNEY, JOHN HENRY JR., Northrepps Hall, Norwich, England....	1883
HAAST, Dr. JULIUS VON, Director Canterbury Museum, Christchurch, New Zealand.....	1884
HARGITT, EDWARD, Broadwater Lodge, Broadwater, Worthing, Sussex, England.....	1884
HARTING, JAMES EDWARD, 24 Lincoln's-Inn Fields, London.....	1883
HARVIE-BROWN, JOHN A., Dunipace House, Larbert, Stirlingshire, Scotland.....	1883
HAYEK, Dr. GUSTAV VON, Vienna.....	1884
HOLUB, Dr. EMIL, Vienna.....	1884
HOMEYER, Dr. C. F. VON, Stolp, Germany.....	1884
KRUKENBURG, Dr. C. F. W., Wurzburg, Germany.....	1884
KRÜPER, Dr. THEOBALD J., University Museum, Athens, Greece...	1884
LAYARD, E. L., H. B. M. Consul, Noumea, New Caledonia.....	1884
MADARÁSZ, Dr. JULIUS VON, National Museum, Budapest, Hungary.	1884
MALMGREN, Dr. A. J., University, Helsingfors, Finland.....	1884
MARSCHALL, Graf A. F., Wallzeil 33, Vienna.....	1884
MENZBIER, Dr. M., Moscow, Russia.....	1834
MEYER, Dr. A. B., Königl. Zool. Museum, Dresden.....	1884
MIDDENDORFF, Dr. A. VON, Dorpat, Russia.....	1884
MOJSISOVICS, Dr. A. VON, Gratz, Austria.....	1884
NICHOLSON, FRANK, 62 Fountain St., Manchester, England.....	1884
OATES, E. W., 6 Tenterden St., Hanover Sq., London.....	1884
OUSTALET, Dr. ÉMILE, Jardin des Plantes, 55 Rue de Buffon, Paris...	1883
PALMÉN, Prof. J. A., Helsingfors, Finland.....	1883
PHILIPPI, Dr. R. A., Santiago, Chili.....	1884
PREJEVALSKY, Colonel N., Acad. of Science, St. Petersburg, Russia.	1884
PRYER, HARRY, Yokohama, Japan.....	1883
RADDE, Dr. GUSTAV FERDINAND, Tiflis, Russia.....	1884
RAMSAY, E. P., Sydney, New South Wales, Australia.....	1884
REICHENOW, Dr. ANTON, Grossbeerenstrasse, 52, Berlin S. W.....	1884
SCHRENCK, Dr. L'OPOLD VON, St. Petersburg, Russia.....	1884
SCOTT, W. E. D., Tarpon Springs, Fla.....	1884
SELYS-LONGSCIAMPS, Baron EDMOND DE, Liège, Belgium.....	1884



SEVERTZOW, Dr. N., Société Impériale des Naturalists de Moscow, Moscow .....	1884
SHALOW, Dr. HERMAN, Berlin, Germany.....	1884
SHELLEY, Capt. G. E., 6 Tenterden St., Hanover Sq., London.....	1884
STEVENSON, HENRY, Unthanks Road, Norwich, England.....	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, Austro-Hungary.....	1884
WHARTON, HENRY T., 39 St. George's Road, Kilburn, London, N.W.	1883
ZELEDON, Sr. DON JOSÉ C., San José, Costa Rica.....	1884