

OLD SERIES,  
VOL. XVI

CONTINUATION OF THE  
BULLETIN OF THE NUTTALL ORNITHOLOGICAL CLUB.

NEW SERIES,  
VOL. VIII

# The Auk

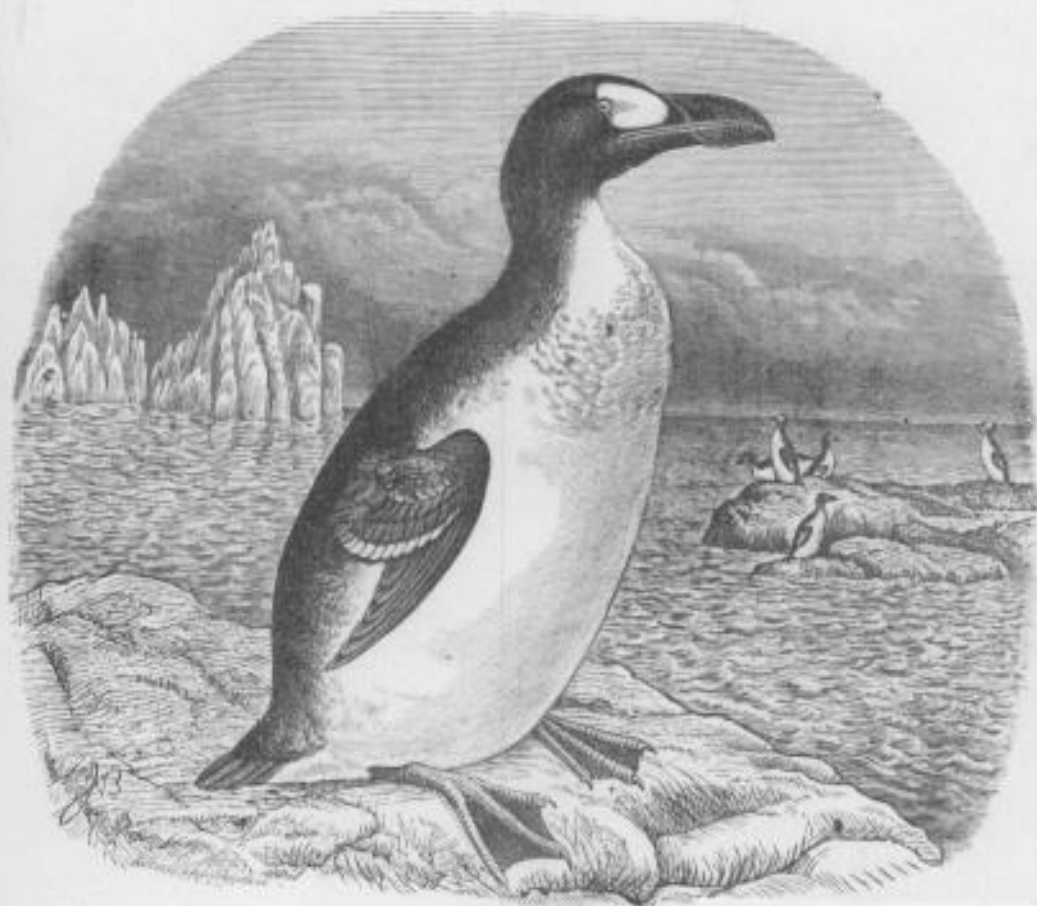
A Quarterly Journal of Ornithology

EDITOR

J. A. ALLEN

ASSOCIATE EDITOR

C. F. BATCHELDER



VOLUME VIII

PUBLISHED FOR

**The American Ornithologists' Union**

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L. S. FOSTER

1891

Volume 8 No. 1

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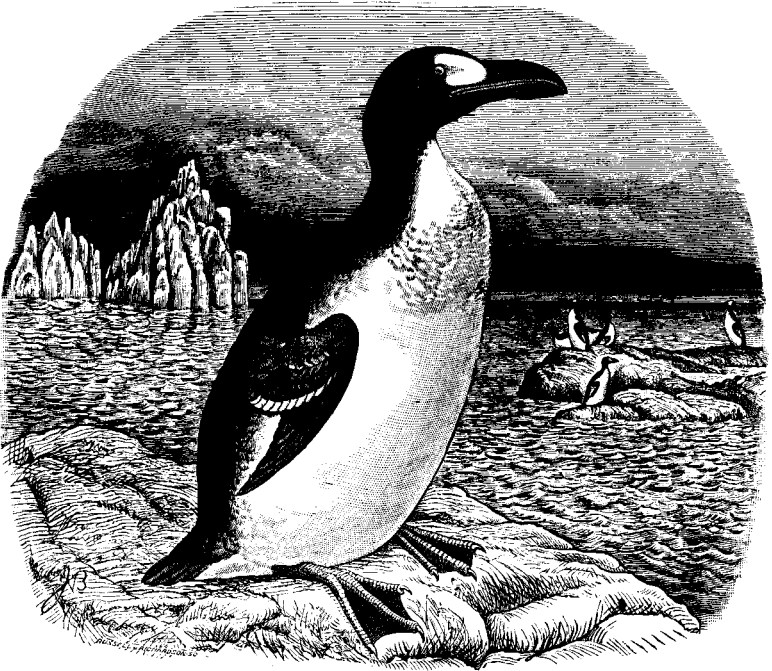
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CLARKE, WM. EAGLE, Science and Art Museum, Edinburgh.....	1889
COLLETT, Prof. ROBERT, Zoölogical Museum, Christiania, Norway.	1883
COOPER, Dr. J. G., Haywards, California.....	1884
CORDEAUX, JOHN, Great Cotes, Ulceby, Lincolnshire, England....	1884
DALGLEISH, JOHN J., 8 Atholl Crescent, Edinburgh.....	1883
DAVID, L'Abbé ARMAND, Rue de Sèvres, 95, Paris.....	1883
DOLE, SANFORD B., Honolulu, Hawaiian Ids.....	1888
DUBOIS, Dr. ALPHONSE, Museum Nat. History, Brussels.....	1884

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DUGÈS, Prof. ALFREDO, Colegio del Estado, Guanajuato, Mexico.....	1884
ECHT, ADOLPH BACHOFEN VON, Nussdorf, near Vienna.....	1884
FATIO, Dr. VICTOR, Geneva, Switzerland.....	1884
FIELDEN, Lieut.-Col. H. W., West House, Wells, Norfolk, Eng- land .....	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, Zoölogical Museum, Cambridge, England.....	1884
GIRTANNER, Dr. A., St. Galle, Switzerland.....	1884
GODMAN, F. DU CANE, 10 Chandos Street, Cavendish Sq., London..	1883
GODWIN-AUSTEN, Lieut.-Col. H. H., Shalford House, Guilford, Eng- land.....	1884
GRANDIDIER, ALFRED, 6 Rond-Point des Champs Elysées, Paris.....	1883
GURNEY, JOHN HENRY, Keswick Hall, Norwich, England.....	1883
* HAAST, Dr. JULIUS VON, Christchurch, New Zealand.....	1884
HARGITT, EDWARD, Broadwater Lodge, Broadwater, Worthing, Sussex, England.....	1884
HARTING, JAMES EDMUND, Linnæan Society, Burlington House, Pic- cadilly, London.....	1883
HARVIE-BROWN, JOHN A., Dunipace House, Larbert, Stirlingshire, Scotland.....	1883
HAYEK, Dr. GUSTAV VON, Vienna.....	1884
HENSON, HARRY V., Yokohama.....	1888
HOLUB, Dr. EMIL, Vienna.....	1884
* HOMEYER, Dr. E. F. VON, Stolp, Germany.....	1884
KNUDSON, VALDEMAR, Kauai, Hawaiian Ids.....	1888
KRUKENBERG, Dr. E. F. W., Würzburg, Germany.....	1884
KRÜPER, Dr. THEOBALD J., University Museum, Athens, Greece....	1884
LAYARD, E. L., H. B. M. Consul, Noumea, New Caledonia.....	1884
LYTTLETON, THOMAS, Lord LILFORD, Lilford Hall, Oundle, Eng- land.....	1889
McFARLANE, ROBERT, Winnipeg, Manitoba.....	1886
MADARÁSZ, Dr. JULIUS VON, National Museum, Budapest, Hungary.	1884
MALMGREN, Dr. A. J., University, Helsingfors, Finland .....	1884
*MARSCHALL, Graf. A. F., Vienna.....	1884
MENZBIER, Dr. M., Moscow. ....	1884
MEYER, Dr. A. B., Königl. Zool. Museum, Dresden.....	1884
MIDDENDORF, Dr. A. VON, Dorpat, Russia.....	1884
MOJSISOVICS, Dr. A. VON, Gratz, Austria.....	1884
NAMIYE, M., Tokio.....	1886
NICHOLSON, FRANK, 62 Fountain St., Manchester, England.....	1884
OATES, E. W., 6 Tenterden St., Hanover Sq., London.....	1884
OUSTALET, Dr. EMILE, Jardin des Plantes, 55 Rue de Buffon, Paris.	1883

PALMÉN, Prof. J. A., Helsingfors, Finland.....	1883
PHILIPPI, Dr. R. A., Santiago, Chili.....	1884
*PRJEVALSKI, General N. M., St. Petersburg.....	1884
*PRYER, HARRY, Yokohama.....	1884
RADDE, Dr. GUSTAV FERDINAND, Tiflis, Russia.....	1884
RAMSEY, E. P., Sydney, New South Wales.....	1884
REICHENOW, Dr. ANTON, Königl. Mus. für Naturkunde, Invaliden Str., 43, Berlin.....	1884
RINGER, FREDERIC, Nagasaki, Japan.....	1888
SCHRENCK, Dr. LEOPOLD VON, St. Petersburg.....	1884
SELYS-LONGSCHAMPS, Baron EDMOND DE, Liège, Belgium.....	1884
*SEVERTZOW, Dr. N., Moscow.....	1884
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*STEVENSON, HENRY, 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
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

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ALLEN, FRANCIS H., West Roxbury, Mass.....	1888
AMERY, CHARLES F., 'Forest and Stream' Pub. Co., 318 Broadway, New York City.....	1886
ANTHONY, A. W., Los Angeles, Cal.....	1885
ARCHER, W. C., 252 7th St., Jersey City, N. J.....	1888
*ATKINS, Dr. H. A., Locke, Ingham Co., Mich.....	1883
ATKINS, J. W., Key West, Florida.....	1887
AVERILL, C. K., Jr., Bridgeport, Conn.....	1885
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AYER, ED. E., 234 South Water St., Chicago, Ill.....	1889
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BAGG, EGBERT, 187 Genesee St., Utica, N. Y.....	1883
BAILEY, VERNON, Elk River, Minn.....	1887
BAILY, CHAS. E., Winchendon, Mass.....	1890
BAILY, WM. L., Wynnewood Sta., Philadelphia, Pa.....	1885
BANGS, E. A., 31 Pemberton Sq., Boston, Mass.....	1884
BANGS, OUTRAM, 31 Pemberton Sq., Boston, Mass.....	1884

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BANKS, J. W., St. John, N. B.....	1887
BARNARD, JOB, 500 5th St., N. W., Washington, D. C.....	1886
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BEAL, F. E. L., Lunenburg, Mass.....	1887
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BELL, JAMES P. H., Gainesville, Fla.....	1889
BELLOWS, ED. D., 215½ 4th St., Jersey City, N. J.....	1889
BENNER, FRANKLIN, 517 Nicollet Ave., 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
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BOND, FRANK, Cheyenne, Wyoming.....	1887
BOND, HARRY L., Sioux City, Iowa.....	1890
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BULLY, REGINALD H., Canton, Ohio.....	1889
BUTLER, AMOS W., Brookville, Ind.....	1885
CAIRNS, JOHN S., Weaverville, N. C.....	1889
CAMPBELL, HARRY C., Lansingburg, Rens. Co., N. Y.....	1890
CANTWELL, GEORGE G., Colorado Springs, Col.....	1889
CARR, CHAS. F., 126 State St., Madison, Wis.....	1890
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

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COALE, H. K., 131 Wabash Ave., Chicago, Ill.....	1883
*COE, W. W., Portland, Conn.....	1883
COLBURN, W. W., Springfield, Mass.....	1889
COLBY, EDWARD A., 4130 Drexel Boulevard, Chicago, Ill.....	1886
COLEMAN, GEO. A., South Auburn, Nemaha Co., Neb.....	1888
COLLINS, Capt. J. W., Smiths. Inst., Washington, D. C.....	1888
COLTON, WM. N., Biddeford, Me.....	1889
COMEAU, NAP. A., Godbout, P. Q., Can.....	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
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, D. G., 367 Ontario St., Toronto, Can.....	1888
COX, PHILIP, Newcastle, New Brunswick.....	1887
CULYER, Col. JOHN Y., Room 150, Potter Building, New York City.....	1890
CURTIS, FRED W., Wauwatosa, Wis.....	1889
DAENZER, CARL, 13 North 3d St., St. Louis, Mo.....	1888
DAGGETT, FRANK S., Duluth, Minn.....	1889
DANA, ROY, Warren, Ohio.....	1889
DAVIE, OLIVER, Columbus, 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
DENNÉ, DAVID, 104 St. Francois St., Montreal, Canada.....	1890
DENSLow, H. C., 6 Edmond St., Rochester, N. Y.....	1889
DICKINSON, EDWIN, Springfield, Mass.....	1885
DOUGLAS, BERT H., Burlington, Kansas.....	1890
DREW, FRANK M., Bloomington, Ind.....	1885
DURFEE, OWEN, 56 Maple St., Fall River, Mass.....	1887
DUTCHER, BASIL HICKS, 525 Manhattan Ave., New York City.....	1886
DYCHE, Prof. L. L., Lawrence, Kansas.....	1886
EAMES, EDWIN H., 228 Court St., Cincinnati, O.....	1888
EATON, ALVAH A., Dunlap, Cal.....	1890
EDDY, N. A., 615 North Grant St., Bay City, Michigan.....	1885
EDSON, JOHN M., Sehome, Washington.....	1886
*ELLIOTT, S. LOWELL, South Brooklyn, N. Y.....	1888
EMERSON, W. OTTO, Haywards, Cal.....	1885
EVANS, EVAN M., Englewood, N. J.....	1888

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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
FERNALD, ROBERT H., Orono, Me. ....	1890
FIGGINS, J. D., 429 P St., N. W., Washington, D. C. ....	1889
FISHER, WM. HUBBELL, 12 Wiggins Block, Cincinnati, Ohio. ....	1883
FLINT, H. 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
FREEMAN, WM. H., 216 Reid Ave., Brooklyn, N. Y. ....	1889
FURNESS, WALTER ROGERS, Wallingford, Delaware Co., Pa. ....	1888
GALE, DENIS, Gold Hill, Boulder Co., Colorado. ....	1886
GAULT, B. T., Prospect Park, Dupage Co., Ill. ....	1885
GESNER, Rev. A. H., Sing Sing, N. Y. ....	1885
GILBERT, CARLETON, 323 West Main St., Jackson, Mich. ....	1889
GOODALE, JOS. L., Harvard Medical School, Boston, Mass. ....	1885
GOSS, B. F., Pewaukee, Waukesha Co., Wis. ....	1883
GOULD, JOSEPH E., 281½ North High St., Columbus, Ohio. ....	1889
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
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, Miss FANNIE P., Brewer, Maine. ....	1886
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
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
HIGGINS, ALGERNON S., 1227 Fulton St., Brooklyn, N. Y. ....	1888
HINE, Mrs. JANE L., Sedan, Ind. ....	1890
HOLBROOK, Judge S. T., Norwich, Conn. ....	1885
HOLMAN, RALPH H., Worcester, Mass. ....	1890
HOLMES, E. S., 103 Ottawa St., Grand Rapids, Mich. ....	1885
HOLTERHOFF, G., Jr., Los Angeles, Cala. ....	1883
HOLZINGER, JOHN M., U. S. Dept. of Agriculture, Washington, D.C. ....	1887
HOOPES, JOSIAH, West Chester, Pa. ....	1889

HORNADAY, W. T., Buffalo, N. Y.....	1888
HOUGH, ROMEYN B., Lowville, N. Y.....	1883
HOWELL, ARTHUR H., 212 Madison St., Brooklyn, N. Y.....	1889
* HOWLAND, SNOWDON, Newport, R. I.....	1883
HOY, DR. P. R., Racine, Wis.....	1883
HOYLE, CHARLES E., Millbury, Mass.....	1889
HOYT, WM. H., Stamford, Conn.....	1888
HULL, WALTER B., 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
INGALLS, CHARLES E., East Templeton, Mass.....	1885
INGERSOLL, ALBERT M., Box 712, San Diego, Cala.....	1885
INGRAHAM, D. P., Elmira, N. Y.....	1889
JACKSON, 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
JENNINGS, ALLEN H., 2101 Oak Ave., Baltimore, Md.....	1886
JESURUN, MORTIMER, Douglas, Wyoming.....	1890
JOHNSON, ALBERT I., Hydeville, Vt.....	1885
JOHNSON, FRANK E., Parkville, Kings Co., N. Y.....	1888
JOHNSON, FRED. O., Oakland Cala.....	1888
JOHNSON, PROF. O. B., Seattle, Washington.....	1885
JONES, LYNDS, Grinnell, Iowa.....	1888
JONES, MARCUS E., Salt Lake City, Utah.....	1890
JORDAN, A. H. B., Willsborough, Essex Co., N. Y.....	1888
JORDAN, PROF. D. S., Bloomington, Ind.....	1885
JOY, P. L., Smiths. Inst., Washington, D. C.....	1883
KEELER, CHARLES A., Berkeley, Alameda, Co., Cala.....	1889
KELLOGG, VERNON L., Lawrence, Kan.....	1888
KENDALL, W. C., U. S. Fish Commission, Washington, D. C.....	1886
KING, GEORGE GORDON, Newport, R. I.....	1888
KNOWLTON, F. H., U. S. Nat. Mus., Washington, D. C.....	1883
KOHN, GUSTAVE, 14 Carondelet St., New Orleans, La.....	1886
KUMLIEN, LUDWIG, Sumner, Wis.....	1888
*KUMLIEN, THURE, Milwaukee, Wis.....	1883
LADD, SAM'L B., West Chester, Pa.....	1889
LAMB, CHARLES R., Cambridge, Mass.....	1885
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LANTZ, PROF. D. E., Manhattan, Kansas.....	1885
LAWRENCE, FRANK M., Moriches P. O., Suffolk Co., N. Y.....	1888
LAWRENCE, ROBT. B., Mills Building, New York City.....	1883

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LAWRENCE, ROBERT HOE, Humptulips, Washington.....	1890
LAWRENCE, HON. WM. M., 51 Liberty St., New York City.....	1888
LEWIS, E. G., Hartford, Conn.....	1888
LEWIS, WM. H., Pawtucket, R. I.....	1890
LEWIS, JOHN B., Eubanks, Pulaski Co., Ky.....	1890
*LINDEN, PROF. CHARLES, Buffalo, N. Y.....	1885
LLOYD, WILLIAM, Marfa, Texas.....	1885
LOCKWOOD, DR. SAM'L, 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. H., Bridgeport, Conn.....	1889
*MABBETT, GIDEON, Rodney, Jefferson Co., Miss.....	1888
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, Can.....	1883
MCGREGOR, R. C., 2841 Champa St., Denver, Col.....	1889
MCLENNAN, CHAS. A., Truro, Nova Scotia.....	1889
MAITLAND, ROBERT L., 70 Broad St., New York City.....	1889
MALI, CHARLES M., 329 Broadway, New York City.....	1889
MARSHALL, ALFRED, 115 Liberty St., New York City.....	1886
MASON, EDWARD C., Arlington, Mass.....	1888
MATHER, SIDNEY G., Morristown, N. J.....	1890
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., Peterboro, N. Y.....	1886
MILLER, MRS. OLIVE THORNE, 244 Macon St., Brooklyn, N. Y.....	1887
*MINOT, H. D., St. Paul, Minn.....	1883
MOORE, J. PERCY, 1931 Judson Place, Philadelphia, Pa.....	1886
MORCOM, G. FREAM, 870 North Park Ave., Chicago, Ill.....	1886
MORRIS, GEO. SPENCER, Olney, Philadelphia, Pa.....	1887
MORRIS, ROBT. O., Springfield, Mass.....	1888
MORTIMER, BENJAMIN, 348 Lafayette Ave., Brooklyn, N. Y.....	1888
MURDOCH, JOHN, Smiths. Inst., Washington, D. C.....	1883
NICHOLAS, DR. GEORGE LAWRENCE, 1627 Madison Ave., New York City.....	1888
NICHOLS, J. M., Middletown, Conn.....	1890
NORRIS, J. PARKER, 723 Walnut St., Philadelphia, Pa.....	1886
NORTHROP, DR. JNO. I., Columbia College, New York City.....	1890
NORTON, ARTHUR H., Saccarappa, Me.....	1890
NORTON, RICHARD, Cambridge, Mass.....	1888

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OBERHOLSER, HARRY C., Wooster, Ohio.....	1888
OLDRIGHT, CHAS. D., Austin, Texas.....	1890
ONG, PLUMMER L., Milan, Sullivan Co., Mo.....	1888
PAINÉ, AUGUSTUS G., Jr., Willsborough, N. Y.....	1886
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
PEABODY, W. RODMAN, Cambridge, Mass.....	1890
PEACOCK, W. F., Marysville, Cal.....	1888
PECK, E. B., Brockport, N. Y.....	1890
PENNOCK, C. J., Kennett Sq., Chester Co., Pa.....	1888
PERKINS, CHAS. E., Hartford, Conn.....	1888
PERRY, TROUP D., 22 Bull St., Savannah, Ga.....	1889
PETERSON, J. P., Luck, Wis.....	1885
PETTIT, A. E., 15 Cortlandt St., New York City.....	1889
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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
PRILL, Dr. A. G., Sweet Home, Linn Co., Oregon.....	1890
PRIME, Rev. WENDELL, D.D., 38 Park Row, New York City.....	1889
RADCLIFFE, CARLETON R., 132 West 58th St., New York City.....	1888
RAGSDALE, G. H., Gainesville, Texas.....	1885
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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, ALBERT P., 25 Second St., San Francisco, Cal.....	1890
REED, CHAS. K., Worcester, Mass.....	1890
REED, J. HARRIS, Chester, Pa.....	1890
RESSELL, CYRUS B., Ercildoun, Chester Co., Pa.....	1888
RHODS, 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
RICHMOND, CHAS. W., U. S. Dept. of Agriculture, Washington, D. C.....	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

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RIVES, Dr. Wm. C., Newport, R. I.....	1885
ROBBINS, Wm. A., 528 Golden Gate Ave., San Francisco, Cala.....	1888
ROBERTS, W. F., 503 E St., N. W., Washington, D. C.....	1888
ROOSEVELT, 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
SAGE, HENRY M., Yale Univ., New Haven, Conn.....	1885
SAUNDERS, DE ALTON, Alfred Centre, N. Y.....	1889
SCHICK, CHAS. S., Sea Isle City, N. J.....	1889
SCHLEGEL, Miss MATILDE, 134 16th St., Buffalo, N. Y.....	1889
SCHURR, THEO. A., 66 Grand St., Waterbury, Conn.....	1888
SCOTT, W. L., 86 Sparks St., Ottawa, Can.....	1883
SEE, ABRAM W., Arlington, N. J.....	1888
SEELY, HENRY H., Middlebury, Vt.....	1890
SEITER, PHIL. J., Chattanooga, Tenn.....	1888
SHARP, Miss ALDA M., Gladbrook, Iowa.....	1889
SHELTON, GEO. H., Seymour, Conn.....	1888
SHORES, Dr. E. I., Soldiers' Home, Hampton, Va.....	1883
SISSENERE, OSCAR, Foreign Dept. Mutual Life Ins. Co., New York City.....	1889
SLADE, JOHN A., 1134 Herkimer St., Brooklyn, N. Y.....	1888
*SMALL, EDGAR A., Hagerstown, Md.....	1883
SMITH, CLARENCE A., care F. M. Chapman, 77th St. & 8th Ave., New York City.....	1889
SMITH, HORACE G., Jr., 2918 Lafayette St., Denver, Col.....	1888
SMITH, Dr. HUGH M., 1248 New Jersey St., Washington, D. C.....	1886
SMITH, JAMES E., East Killingly, Conn.....	1889
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., Andover, Mass.....	1888
SOUTHWICK, E. B., Arsenal Bldg., Central Park, New York City.....	1888
SPELMAN, H. M., 62 Sparks St., Cambridge, Mass.....	1883
STANTON, Prof. J. Y., Bates College, Lewiston, Me.....	1883
STEBBINS, EDWARD S., Minneapolis, Minn.....	1889
STEPHENS, F., Santa Ysabel, San Diego Co., Cala.....	1883
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

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\*Deceased.

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
TENNANT, EDW., Attleboro Falls, Mass.....	1889
THOMPSON, ERNEST E., 86 Howard St., Toronto, Can.....	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, Beaver, Pa.....	1890
TOPPAN, GEO. L., Jackson St., Chicago, Ill.....	1886
TORREY, BRADFORD, Melrose Highlands, 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
TROMBLEY, JEROME, Petersburg, Mich.....	1885
TROTTER, Dr. SPENCER, Prof. Nat. Hist., Swarthmore College, Swarthmore, Pa.....	1888
TURNER, Dr. M. H., Hammondville, 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 Landing, Westchester Co., N. Y.....	1885
VELIE, Dr. J. W., Academy of Sciences, Chicago, Ill.....	1886
*VENNOR, H. G., Montreal, Can.....	1883
VERRILL, ALPHEUS H., 86 Whaley Ave., New Haven, Conn.....	1888
VILARO, Dr. JUAN, Prof. Nat. Hist., Havana Univ., Havana, Cuba.....	1888
VOORHEES, CLARK G., 59 East 75th St., New York City.....	1888
WADSWORTH, D. S., Box 1061, Hartford, Conn.....	1885
WAKEFIELD, J. R., Dedham, Mass.....	1885
WALKER, Dr. R. L., Mansfield Valley, Pa.....	1888
WARREN, Dr. B. H., West Chester, Pa.....	1885
WEBSTER, FREDERIC S., 1345 Penna. Ave., Washington, D. C.....	1886
WEEKS, W. J., Yaphank, Suffolk Co., N. Y.....	1889
WELLS, Dr. JOHN A., Englewood, N. J.....	1888
WEST, LEWIS H., Roslyn, Queens Co., N. Y.....	1887
WEST, SAM'L H., 76 Devoe St., Brooklyn, N. Y.....	1889
WHEELER, DAVID E., St. Paul's School, Concord, N. H.....	1888
WHITE, HARRY GORDON, U. S. Fish Com., Woods Holl, Mass.....	1889
WHITE, STEWART E., Grand Rapids, Mich.....	1890
WICKHAM, H. H., Beaver, Pa.....	1890
WICKS, M. L., JR., Los Angeles, Cala.....	1890
*WILLARD, S. W., West DePere, Wis.....	1883
WILLIAMS, J. B., 23 St. Vincent St., Toronto, Can.....	1889

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\*Deceased.

WILLIAMS, ROBERT S., Great Falls, Montana.....	1888
WINTLE, ERNEST D., 11 Hospital St., Montreal, Can.....	1887
WINTON, Rev. GEORGE BEVERLY, San Luis Potosi, Mexico.....	1889
WOOD, A. H., Painted Post, N. Y.....	1887
*WOOD, Dr. WILLIAM, East Windsor Hill, Conn.....	1883
WOODMAN, EDMUND J., Phillips Acad., Andover, Mass.....	1890
WOODRUFF, LEWIS B, 14 East 68th St., New York City.....	1886
WORTHINGTON, WILLIS W., Shelter Island, Suffolk Co., N. Y.....	1889
WRIGHT, Capt. J. W. A., Livingston, Ala.....	1888
Zerega, Dr. LOUIS A., Bellevue Hospital, New York City.....	1883

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