# MINERALOGICAL SOCIETY.

(Instituted February 3, 1876.)

## BYE-LAWS.

- 1. The object of the Mineralogical Society of Great Britain and Ireland, with which the Crystallological Society was amalgamated on December 11, 1883, shall be to advance the knowledge of Mineralogy, and also of Crystallography and Petrology.
- 2. The Society shall consist of Ordinary Members and Honorary Members.

#### ORDINARY MEMBERS.

- 8. Every candidate for Ordinary Membership shall be proposed by two Ordinary Members, one, at least, of whom shall have personal knowledge of the candidate.
- 4. Elections to Ordinary Membership shall be made by the Council, and shall be confirmed at the ensuing general meeting by a majority consisting of three-fourths of the Members present and voting.
- 5. Ordinary Members shall pay an entrance fee of one guinea and an annual subscription of one guinea. Ordinary Members elected on or before November 13, 1900, shall be entitled to compound for the annual subscription by a single payment of ten guineas: Ordinary Members elected after that date shall be entitled to compound for the annual subscription by a single payment of fifteen guineas.
- 6. Annual Subscriptions shall be due on the first of January of each year, but Members elected after the first of October shall not be required to pay a subscription for the then current year.
- 7. The name of any Ordinary Member whose subscription is more than two years in arrear shall be brought before the Council, and an intimation that this action has been taken shall be communicated to the Member. After the expiration of at least one year from that date, the Council shall be empowered to erase the name from the List of Members.

#### HONOBARY MEMBERS.

- 8. Twenty persons, non-resident in the United Kingdom, may be elected Honorary Members. They shall pay neither entrance fee nor annual subscription.
- 9. Every candidate for Honorary Membership shall be proposed by two Members of the Council, and the election shall be by the Council, and shall be confirmed at the ensuing general meeting by a majority consisting of three-fourths of the Members present and voting.

#### COUNCIL.

- 10. The Society shall be governed by a Council, consisting of a President, two Vice-Presidents, a General Secretary, a Foreign Secretary, a Treasurer, an Editor of the Journal, and twelve Ordinary Members.
- 11. All members of the Society who have served the office of President shall be life-members of the Council.
  - 12. The Council shall be elected annually at the Anniversary Meeting.
- 13. Four Ordinary Members of Council shall retire annually, and shall not be eligible for re-election until the next Anniversary Meeting.
- 14. The Council shall prepare a List of Members nominated for election as Officers and Ordinary Members of Council.
- 15. The election of Council shall be effected by the agency of voting papers containing the List nominated by the Council. They shall be sent by the General Secretary, at least four weeks before the Anniversary Meeting, to every Ordinary Member of the Society, and every such Member shall be entitled to substitute the names of any other Ordinary Members of the Society for those on the List.
- 16. The voting papers shall be returned by the Members to the General Secretary, and shall be examined at the Anniversary Meeting by two Scrutineers appointed by the Chairman, who shall on their report declare the result of the election. The voting papers need not be signed.
- 17. The Council shall have power to appoint Officers, and to co-opt Ordinary Members of Council to fill vacancies in the Council caused by death or resignation during the interval between two Anniversary Meetings.
- 18. Meetings of the Council shall be summoned by order of the President or the Council; at such meetings three shall be a quorum, of whom

one shall be either the President, a Vice-President, the Treasurer, or the General Secretary.

19. A Report of Council on the work and progress of the Society shall be submitted to each Anniversary Meeting.

### TRUSTEES.

- 20. Two or more Trustees shall be appointed by the Council, and the invested property of the Society shall stand in their names.
- 21. Composition-fees shall be treated as Capital: a Resolution of the Society at a general meeting, summoned with notice of a proposed disposition of property, shall be sufficient authority to the Trustees to give effect to such disposition; provided that a resolution of the Council shall be sufficient authority for any change of investment.

### MEETINGS.

22. Meetings of the Society shall be summoned from time to time, as may be deemed necessary by the Council, or at the requisition of any ten Members of the Society. One of these meetings in each year shall be termed the Anniversary Meeting.

#### JOURNAL.

23. The Numbers of the Mineralogical Magazine and Journal of the Society shall be issued at such intervals as the Council shall determine, and shall be sent, postage paid, to every Member of the Society.

#### Auditors and Balance Sheet.

- 24. Two Ordinary Members of the Society, one of whom is not a Member of the Council, shall be appointed annually by the Council to audit the accounts of the Society.
  - 25. No auditor shall serve for more than three years in succession.
- 26. The audited Balance Sheet, after submission to the Council, shall be published in the Journal of the Society as early as possible in every year.

# EXPULSION OF MEMBERS.

27. A majority consisting of three-fourths of the whole Council shall have power to expel a Member from the Society, but a Member who has been expelled shall have a right of appeal to the Society. Notice of such appeal to the Society shall be sent by such Member to the

General Secretary within four weeks of the expulsion, and the appeal shall be considered by the Society at the next Anniversary Meeting; a majority of the votes recorded at such Meeting sufficing to confirm or annul the decision of the Council.

### ALTERATION OF THE BYE-LAWS.

28. The Bye-laws may be altered only at an Anniversary Meeting, and only by a majority consisting of three-fourths of the Members present and voting. Notice of changes proposed to be made in the Bye-laws shall be communicated by the General Secretary to every Ordinary Member of the Society at least four weeks before the Anniversary Meeting at which they are to be considered.

#### OBLIGATION BOOK.

29. Ordinary Members, by payment of their entrance fee, signify their acceptance of any Bye-laws approved by the Society; and every Member of the Society shall sign an Obligation Book.

# LIST OF MEMBERS.

(March, 1911.)

### HONORARY MEMBERS.

Year of Election.

- 1905 BAUMHAUER, Heinrich. Professor of Mineralogy in the University of Freiburg. Switzerland.
- 1909 Becke, Friedrich Johann. Professor of Mineralogy and Petrography in the University of Vienna.
- 1895 Brögger, Waldemar Christofer. Professor of Mineralogy and Geology, and Rector of the University, Christiania.
- 1879 BRUSH, George Jarvis. Yale University, New Haven, Conn., U.S.A.
- 1909 CALDERÓN Y ARANA, Salvador. Professor of Mineralogy and Botany in the University of *Madrid*.
- 1909 CESARO, Giuseppe. Professor of Mineralogy in the University of Liege.
- 1897 Dana, Edward Salisbury. Yale University, New Haven, Conn., U.S.A.
- 1910 Fedorov, Evgraf Stepanovič. Professor of Mineralogy in the Institute of Mines (Gornyi Institut) of the Empress Catherine II, Vassili Ostrov, St. Petersburg.
- 1877 GROTH, Paul Heinrich von. Professor of Mineralogy in the University of Munich. Brieffach, München VI.
- 1900 LACROIX, Alfred. Professor of Mineralogy in the Muséum d'Histoire Naturelle. 61 Rue de Buffon, Paris.
- C¹ Lang, Victor von. Professor of Physics in the University of Vienna. Physikalisches Institut der Universität, Vienna.
- 1898 Lévy, Auguste Michel. Professor in the Collège de France.
  62 Boulevard St. Michel, Paris.
- 1908 Liebisch, Theodor. Professor of Mineralogy in the University of Berlin. *Mineralogisch-petrographisches Institut, Invalidenstrasse* 43, Berlin No. 4.
- 1883 Ludwig, Ernst. 9 Allgemeines Krankenhaus, Vienna.
- <sup>1</sup> C = Corresponding Member of the Crystallological Society at the time of the amalgamation of the two societies, December 11, 1888.

Year of

Election.

- 1879 ROSENBUSCH, Harry. Professor of Mineralogy and Geology in the University of *Heidelberg*.
- 1877 STEENSTRUP, Knud Johannes Vogelius. Forchhammersvej 15<sup>t</sup>, Copenhagen.
- 1903 STRÜVER, Giovanni. Professor of Mineralogy in the Royal University of Rome.
- 1879 TSCHERMAK, Gustav. The University, Vienna.
- 1879 ZIRKEL, Ferdinand. Formerly Professor of Mineralogy and Geognosy in the University of Leipzig. Königstrasse 2a, Bonn-am-Rhein.

### ORDINARY MEMBERS.1

- A. Annual Subscribers.
- L. Life-Members.
- C. Belonged to the Crystallological Society at the time of the amalgamation of the two Societies, December 11, 1883.

Year of Election.

- L 1888 Arnold-Bembose, Henry Howe, J.P., M.A., Sc.D., F.G.S.

  Ash Tree House, Osmaston Road, Derby.
- A 1881 Baker, Harry, F.I.C., F.C.S. Epworth House, Maughland Lane, Runcorn, Cheshire.
- A 1904 BARKER, Thomas Vipond, M.A., B.Sc. (Oxon.), F.C.S. Department of Mineralogy, University Museum, Oxford.
- L 1894 BARLOW, William, F.R.S. The Red House, Stanmore, Middlesex.
- L 1876 BARNETT, Andrew Ketchan, F.G.S. 11 Penrose Terrace, Penzance, Cornwall.
- L 1893 Barrow, George, F.G.S. Geological Survey of England, The Museum, 28 Jermyn Street, London, S.W.
- L 1897 Beale, William Phipson, K.C., M.P., F.G.S., F.C.S. 10 New Court, Carey Street, London, W.C.
- A 1894 Beringer, John Jacob, A.R.S.M., F.I.C., F.C.S. School of Metalliferous Mining, Camborne, Cornwall.
- A 1906 Blake, George Stanfield, B.Sc., A.R.S.M., F.C.S. Shoal Point, Port-au-Port, Newfoundland.

<sup>1</sup> Corrections for this List should be sent to the General Secretary.

- Year of Election.
- L 1876 Bonney, Rev. Thomas George, Sc.D., LL.D., F.R.S. Emeritus Professor of Geology in University College, London. 9 Scroope Terrace, Cambridge.
- A 1909 Bowen, David, F.G.S. The University, Leeds.
- I. 1897 Bowman, Herbert Lister, M.A., D.Sc., F.G.S., F.C.S. Professor of Mineralogy in the University of Oxford. Department of Mineralogy, University Museum, Oxford.
- L 1876 Brown, Alexander Crum, M.A., M.D., D.Sc., F.R.S. Formerly
  Professor of Chemistry in the University of Edinburgh.

  8 Belgrave Terrace, Edinburgh.
- A 1901 Burls, Herbert Thomas, F.G.S. 16 Victoria Street, London, S.W.
- L 1885 Butler, Francis Henry, M.A., A.R.S.M., L.S.A. (Lond.), 158 Brompton Road, London, S.W.
- A 1903 CAMPBELL, Donald Fraser, B.A., A.R.S.M., F.G.S. Old Hunstanton, Norfolk.
- A 1876 CHURCH, Sir Arthur Herbert, K.C.V.O., M.A., D.Sc., F.R.S. Professor of Chemistry in the Royal Academy of Arts. Shelsley, Ennerdale Road, Kew, Surrey.
- A 1888 Cole, Grenville A. J., M.R.I.A., F.G.S. Director of the Geological Survey of Ireland, Professor of Geology in the Royal College of Science for Ireland, Dublin.
- L 1892 COLLINS, Henry F., A.R.S.M. Huelva Copper and Sulphur Mines, Ltd., Val de la Musa, Prov. de Huelva, Spain.
- L 1876 Collins, Joseph Henry, F.G.S. Crinnis, Par Station, Cornwall.
- L 1900 COOMARASWAMY, Ananda K., D.Sc., F.L.S., F.G.S., M.R.A.S.

  Norman Chapel, Broad Campden, Gloucestershire.
- A 1907 CROOK, Thomas, A.R.C. Sc.I., F.G.S. Scientific and Technical Department, Imperial Institute, London, S.W.
- L 1888 CROOKES, Sir William, O.M., D.Sc., LL.D., F.R.S. 7 Kensington Park Gardens, London, W.
- A 1899 Cullis, Charles Gilbert, D.Sc., F.G.S. Assistant-Professor of Geology in the Imperial College of Science and Technology, South Kensington, London, S.W.
- L 1899 Currie, James, M.A., F.R.S.E. Larkfield, Golden Acre, Edinburgh.
- L 1876 Danby, Thomas William, M.A., F.G.S. The Crouch, Seaford, Sussex.

L

- Year of Election.
- 1885 DAW, John W. Walreddon Manor, Tavistock, Devon.
- L 1898 DE CASTRO, John Paul, M.A., F.C.S., F.I.C. 1 Essex Court, Temple, London, E.C.
- A 1909 DEWEY, Henry, F.G.S. Geological Survey of England. The Museum, 28 Jermyn Street, London, S.W.
- L 1910 DRUGMAN, Julien L. E., Ph.D. (Bonn), M.Sc., F.C.S. 23 Iffley Road, Oxford.
- L 1891 EVANS, John William, LL.B., D.Sc., F.G.S. Imperial Institute, London, S.W. 75 Craven Park Road, Willesden Junction, London, N.W.
- L 1900 FLEISCHMANN, Friedrich Noel Ashcroft, M.A., F.C.S., F.G.S. 37 Palace Court, Bayswater, London, W.
- L C FLETCHER, Lazarus, M.A., Hon. Ph.D. (Berlin), F.R.S. Director of the British Museum (Natural History), Cromwell Road, London, S.W. 35 Woodville Gardens, Ealing, London, W.
- L 1895 FLETCHER, Rev. Mark, M.A., F.G.S. Demonstrator in Mineralogy in the Armstrong College, Newcastle-on-Tyne.

  The Vicarage, North Sunderland, Chathill S.O., Northumberland.
- L 1902 FLETT, John Smith, M.A., D.Sc., F.R.S.E., F.G.S. Assistant Director, Geological Survey of Scotland. 33 George Square, Edinburgh.
- A 1876 Geirie, Sir Archibald, K.C.B., D.Sc., D.C.L., LL.D., President R.S. Formerly Director-General of the Geological Survey of the United Kingdom. Shepherd's Down, Haslemere, Surrey.
- A 1876 Geirie, James, LL.D., D.C.L., F.R.S. Professor of Geology and Mineralogy in the University of Edinburgh. Kilmorie, Colinton Road, Edinburgh.
- L 1881 Gibb, T. J. 8 Bush Lane, Cannon Street, London, E.C.
- L 1902 GILES, William B., F.I.C. The Grange, Leyton, Essex.
- L 1886 Goldschmidt, Dr. Victor, Professor of Mineralogy in the University of Heidelberg. 9 Gaisbergstrasse, Heidelberg, Germany.
- A 1905 GOODCHILD, Wilbert, M.B., Ch.B. (Edin.). Blencathra Sanatorium, Threlkeld, Penrith, Cumberland.
- A 1895 GORDON, Rev. John More, M.A., F.G.S. St. John's Vicarage, Redhill, Surrey.
- A 1903 GRABHAM, George Walter, M.A., F.G.S. Geologist to the Sudan Government. Box 178, Khartoum, Sudan.

- Year of Election.
- L 1892 GREGORY, John Walter, D.Sc., F.R.S. Professor of Geology in the *University of Glasgow*.
- A 1900 Hall, Arthur Lewis, B.A., F.G.S. Geological Survey Office, Box 435, Pretoria, Transvaal.
- A 1911 Hall, Thomas Clifford Fitzwilliam, F.G.S. School of Metalliferous Mining, Camborne, Cornwall.
- A 1908 HARGER, Harold Scott, F.G.S. P. O. Box 1945, Johannesburg, Transvaal.
- A 1885 HARKER, Alfred, M.A., F.R.S. Fellow of St. John's College, Cambridge. St. John's College, Cambridge.
- A 1898 HARTLEY, Ernald George Justinian, B.A., F.C.S. The Bungalow, Boar's Hill, near Oxford.
- L 1900 HARTLEY, Harold Brewer, M.A., F.C.S. Balliol College, Oxford.
- A 1910 HATCH, Frederick Henry, Ph.D., M.Inst.C.E., F.G.S. Southacre, Trumpington Road, Cambridge.
- A 1910 HENSON, Mrs. F. 97 Regent Street, London, W.
- A 1879 HENSON, Samuel, 97 Regent Street, London, W.
- A 1910 HESLOP, Miss Mary Kingdon, M.Sc. 25 Eastbourns Terrace, London, W.
- L 1907 HILTON, Harold, M.A. 73 Platts Lane, Hampstead, London, N.
- A 1888 HOFFMANN, G. Christian, LL.D. Care of A. F. May, Esq., Carleton Chambers, 74 Sparks Street, Ottawa, Canada.
- L 1896 HOLLAND, Sir Thomas Henry, K.C.I.E., A.R.C.S., D.Sc., F.R.S.

  Formerly Director of the Geological Survey of India.

  Professor of Geology and Mineralogy in the Victoria

  University of Manchester. The University, Manchester.
- A 1908 HOPKINS, Edward. 58 B Hatton Garden, London, E.C.
- A 1902 Howe, John Allen, B.Sc., F.G.S. Curator of the Museum of Practical Geology. The Museum, 28 Jermyn Street, London, S.W.
- A 1878 Hughes, Thomas McKenny, M.A., F.R.S. Professor of Geology in the University of Cambridge. Ravensworth, Brooklands Avenue, Cambridge.
- A 1893 HUSSAK, Dr. Eugen. 49 Rua Quitanda, Rio de Janeiro, Brazil, South America.
- L 1890 Hutchinson, Arthur, M.A., F.C.S., F.G.S. Demonstrator of Mineralogy in the University of Cambridge. *Pembroke* College, Cambridge.

- Year of Election.
- A 1899 JACKSON, Henry, M.A., B.Sc., F.C.S. Downing College, Cambridge.
- A 1905 Jones, Bernard Mouat, B.A., F.C.S. Professor of Chemistry, Government College, Lahore, India.
- A 1908 Jones, Owen Thomas, M.A., B.Sc., F.G.S. Professor of Geology in the University College of Wales. *University* College, Aberystwith.
- L 1884 Judd, John Wesley, C.B., LL.D., F.R.S. Formerly Professor of Geology in, and Dean of, the Royal College of Science, South Kensington, S.W. Orford Lodge, 30 Cumberland Road, Kew, Surrey.
- L 1876 Kinch, Edward, F.C.S., F.I.C. Professor of Chemistry in the Royal Agricultural College, Circucester.
- L 1876 Kitto, Benedict, F.I.C., F.G.S. 26 Lancaster Road, Finsbury Park, London, N.
- A 1909 Knowles, Thomas, B.A., B.Sc. School of Metalliferous Mining, Camborne, Cornwall.
- A 1907 Keantz, Friedrich Ludwig Robert, Ph.D. 36 Herwarth-Strasse, Bonn, Rhenish Prussia.
- A 1885 Kunz, George Frederick, M.A., Ph.D., F.G.S. 401 Fifth Avenue, New York City, U.S.A.
- A C Lewis, William James, M.A., F.R.S., Professor of Mineralogy in the University of Cambridge. The New Museums, Cambridge.
- A 1886 LINDSEY, C. R., B.Sc. 3 Demesne Road, Whalley Range, Manchester.
- L C LIVEING, George Downing, M.A., Hon. Sc.D., F.R.S. Formerly
  Professor of Chemistry in the University of Cambridge.

  Newnham, Cambridge.
- L 1876 LIVERSIDGE, Archibald, M.A., Hon. LL.D., F.R.S. Formerly Professor of Chemistry in the University of Sydney, New South Wales. *Hornton Cottage, Hornton Street, Kensington, London, W.*
- A 1879 Louis, Henry, M.A., A.R.S.M., F.G.S. Professor of Mining in the Armstrong College, Newcastle-on-Tyne.
- A 1910 MacAlister, Donald Alexander, A.R.S.M., F.G.S. Geological Survey of England. The Museum, 28 Jermyn Street, London, S.W.
- A 1902 McGRIGOR, George Duncan, F.R.G.S. 25 Charles Street, St. James's, London, S.W.

- Year of Election.
- A 1908 McLintock, William Francis Porter, B.Sc. The Museum, 28 Jermyn Street, London, S.W.
- A 1902 MAITLAND, Andrew Gibb, C.E., F.G.S. Government Geologist. Geological Survey, Perth, Western Australia.
- L 1881 MALLET, Frederick Richard, F.G.S., F.C.S., F.I.C. 20 King's Avenue, Ealing, London, W.
- A 1907 MEARS, James Bartholomew, L.R.C.P., L.R.C.S. (Edin.).

  Leuchars, Fifeshire, N.B.
- A 1902 Mennell, Frederic Philip, F.G.S. P. O. Box 140, Bulawayo, Rhodesia.
- L 1876 MERRY, J. S. Swansea, South Wales.
- L C MIERS, Henry Alexander, M.A., D.Sc., F.R.S. Principal of the University of London. 23 Wetherby Gardens, London, S.W.
- L 1876 Morris, James. 6 Windsor Street, Swansea, South Wales.
- A C MULLER, Hugo, Ph.D., LL.D., F.R.S. 13 Park Square East, Regent's Park, London, N.W.
- L 1880 Pearce, Richard, Ph.D., F.G.S. 43 St. George's Court, Gloucester Road, London, S.W.
- L 1899 POLLARD, William, M.A., D.Sc., F.G.S., F.C.S. Geological Survey of England. The Museum, 28 Jermyn Street, London, S.W.
- A 1891 Pope, William Jackson, M.A., M.Sc., F.R.S. Professor of Chemistry in the University of Cambridge. *Holmesdale,* Brooklands Avenue, Cambridge.
- A 1910 PORTER, Miss Mary Winearls. 76 Banbury Road, Oxford.
- L 1887 PRIOR, George Thurland, M.A., D.Sc., F.G.S. Keeper of Minerals in the British Museum (Natural History), Cromwell Road, London, S.W.
- L 1908 RAISIN, Miss Catherine Alice, D.Sc., F.L.S. Bedford College, York Place, Baker Street, London, W.
- A 1903 RASTALL, Robert Heron, M.A., F.G.S. Christ's College, Cambridge.
- A 1876 RUDLER, Frederick William, I.S.O., F.G.S. Ethel Villa, Tatsfield, Westerham, Kent.
- A 1902 Russell, Arthur Edward Ian Montagu. Swallowfield Park, Reading.
- A 1908 Schröder, Robert. 17 Leopoldstrasse, Heidelberg, Germany.
- L 1876 Scott, Robert Henry, M.A., D.Sc., F.R.S. 6 Elm Park Gardens, London, S.W.

Year of Election.

- A 1903 SCRIVENOR, John Brooke, M.A., F.G.S. Geologist to the Federated Malay States. Kuala Lumpur, Federated Malay States.
- A 1884 SELIGMANN, Gustav. 6 Neustadt, Coblenz, Rhenish Prussia.
- A 1908 Shand, S. James, B.Sc., Ph.D. The Royal Scottish Museum, Edinburgh.
- L 1897 SMITH, George Frederick Herbert, M.A., D.Sc., F.G.S., F.R.A.S. British Museum (Natural History), Cromwell Road, London, S.W.
- A 1910 SMITH, Walter Campbell, B.A., F.G.S. British Museum (Natural History), Cromwell Road, London, S.W.
- A 1897 Sollas, William Johnson, M.A., D.Sc., LL.D., F.R.S. Professor of Geology in the University of Oxford. *The Museum, Oxford.*
- A C SOLLY, Richard Harrison, M.A. Hôtel Britannia, Cadenabbia, Lago di Como, Italy.
- A 1894 SPENCER, Leonard James, M.A., F.G.S. British Museum (Natural History), Cromwell Road, London, S.W.
- A 1878 Spezia, Giorgio. Professor of Mineralogy in the University, Turin, Italy.
- A C STORY-MASKELYNE, Mervin Herbert Nevil, M.A., Hon. D.Sc., F.R.S. Late Professor of Mineralogy in the University of Oxford. Basset Down House, Swindon, Wiltshire.
- A 1883 Teall, J. J. Harris, M.A., D.Sc., F.G.S. Director of the Geological Survey of Great Britain and of the Museum of Practical Geology. The Museum, 28 Jermyn Street, London, S.W.
- A 1903 Thomas, Herbert Henry, M.A., B.Sc., F.G.S. Geological Survey of England. The Museum, 28 Jermyn Street, London, S.W.
- L 1877 TRECHMANN, Charles Otto, J.P., Ph.D., F.G.S. Hudworth Tower, Castle Eden, Co. Durham.
- A 1891 TUTTON, Alfred Edwin Howard, M.A., D.Sc., F.R.S. 41 Ladbroke Square, London, W.
- L 1894 Watts, William Whitehead, M.A., M.Sc., F.R.S. Professor of Geology in the Imperial College of Science and Technology, South Kensington, S.W.
- L 1895 WEBB, R. C.
- L 1901 Weston, Digby St. A. P., Lieutenant R.N. 131 Cromwell Road, London, S.W.

Year of Election.

- L 1876 WILLS, Joseph Lainson, F.C.S. 133 Midwood Street, Brooklyn, N.Y., U.S.A.
- L 1896 WILLS, Louis.
- A 1904 WOODGATE, John, M.I.M.M. Gattertop, Leominster, Here-fordshire.
- L C WOODWARD, Charles J., B.Sc., F.G.S. The Lindens, St. Mary's Road, Harborne, Birmingham.
- A 1902 Young, Alfred Prentice, Ph.D., F.G.S. Care of Messrs. Grindlay & Co., 55 Parliament Street, London, S.W.

# SOCIETIES, INSTITUTIONS, ETC.

To which the Publications of the Mineralogical Society are sent.

(Those sending Publications in Exchange are marked with an asterisk.)

LONDON: Royal Society, Burlington House, W.

Geological Society

Chemical Society

British Museum (Natural History), South Kensington, S.W.

Museum of Practical Geology, 28 Jermyn Street, S.W.

Imperial Institute, South Kensington, S.W.

OXFORD: Department of Mineralogy, University Museum.

NEWCASTLE-ON-TYNE: North of England Institute of Mining Engineers.

Truro: \*Royal Institution of Cornwall.

Hull: Yorkshire Naturalists' Union. (T. Sheppard, The Municipal Museums, Hul!.)

EDINBURGH: Royal Society.

\*Geological Society, 5 St. Andrew's Square.

GLASGOW: University of Glasgow.

\*Geological Society, 207 Bath Street.

Dublin: Royal Irish Academy, 19 Dawson Street.

Paris: \*Société française de Minéralogie, Sorbonne.

Brussels: Société belge de Géologie, de Paléontologie et d'Hydrologie.

Liége: \*Société géologique de Belgique.

Leipzig: \*Zeitschrift für Krystallographie und Mineralogie. (Dr. Stefan Kreutz, Basztowa 3, Krakau, Galicia, Austria.)

Stuttgart: Neues Jahrbuch für Mineralogie, &c. (Schweizerbart'sche Verlagshandlung).

Berlin: Zeitschrift für praktische Geologie. (Prof. Max Krahmann, Berlin NW. 23, Händelstrasse 6.)

MUNICH: Technische Hochschule.

HALLE: K. Leopoldinisch-Carolinische Deutsche Akademie der Naturforscher.

VIENNA: \*K.-K. Naturhistorisches Hofmuseum, Burgring.

K.-K. Geologische Reichsanstalt.

\*Tschermak's Mineralogische und Petrographische Mitteilungen. (Prof. F. Becke, Mineralogisches Institut der Universität.)

UPSALA: \*Kongl. Universitets-Biblioteket.
HELSINGFORS: Administration des Mines.
St. Petersburg: Mineralogical Society.
Rome: \*Ufficio Geologico, Via Sta. Susanna.

NAPLES: \*Società Reale, Accademia delle Scienze Fisiche e Matematiche.

PISA: \*Società Toscana di Scienze Naturali. \*Il Nuovo Cimento. (A. Battelli.)

Padova: \*Rivista di Mineralogia e Cristallografia. (Prof. R. Panebianco, The University.)

BUCAREST: Institut Géologique de Roumanie. SYDNEY: Royal Society of New South Wales. \*Australian Museum.

WELLINGTON: New Zealand Institute.

BULAWAYO: Rhodesia Scientific Association, P. O. Box 240.

NEW BRUNSWICK: Department of Mines, Nova Scotia.

WASHINGTON (D. C.): \*United States Geological Survey.

Smithsonian Institution.

NEW YORK: \*American Institute of Mining Engineers, 99 John Street, New York City.

NEW HAVEN (Conn.): \*American Journal of Science.

PHILADELPHIA (Penn.): Academy of Sciences.

Baltimore (Maryland): Johns Hopkins University. CHICAGO: University of Chicago (Journal of Geology).

LANCASTER (Penn.): Economic Geology, 41 North Queen Street.

BERKELEY (California): University of California.

MANILA (Philippine Islands): \*Bureau of Government Laboratories.

BUENOS AYRES: \*Sociedad Científica Argentina.