

JOURNAL OF THE RUSSELL SOCIETY

CONTENTS LIST: VOLUMES 1–22 (1982–2019)

VOLUME 1, PART 1 (1982)

Editorial: R.J. King.

Articles and Notes

- Baryte and other minerals from the Isle of Sheppey, Kent. P.K. Monk. (1982), **1-1**, 5–7.
- Metal mines of the British Isles No. 1 – Dylife. N.J.M. Moreton. (1982), **1-1**, 8.
- A new occurrence of scarbroite in Britain. R.J. King. (1982), **1-1**, 9–18.
- A new find of nickeloan hydrozincite in Parc Mine, North Wales. R.E. Bevins, P. O'Brien, S. Turgoose and P.A. Williams. (1982), **1-1**, 19–21.
- The content of rare earth elements in English fluorites: A preliminary study. R.A. Howie, E. Pegram and J.N. Walsh. (1982), **1-1**, 22–25.
- The mineralogy of Fall Hill Quarry, Ashover, Derbyshire. M.E. Smith. (1982), **1-1**, 26–32.
- An occurrence of nickel minerals in the Hilton Mine, Scordale, Cumbria. T.F. Bridges. (1982), **1-1**, 33–39.
- First British occurrence of cumengeite. A.C. Dean. (1982), **1-1**, 40–41.
- The care of minerals Section 1: The cleaning of minerals. R.J. King. (1982), **1-1**, 42–53.

VOLUME 1, PART 2 (1983)

Editorial: R.J. King.

Obituaries

- Richard Agabeg (A. Fisher). (1983), **1-2**, 4.
- Richard (Dick) W. Barstow (J.A. Jones). (1983), **1-2**, 4.
- Roger S. Harker (J.A. Jones). (1983), **1-2**, 5.

Articles and Notes

- Phosgenite and matlockite in Derbyshire (Part 1). T. Bridges and M.E. Smith. (1983), **1-2**, 7–15.
- On the occurrence of millerite at Ecton Hill, Staffordshire. R.E. Starkey. (1983), **1-2**, 16–18.
- An occurrence of annabergite in Smallcleugh Mine, Nenthead, Cumbria. T.F. Bridges. (1983), **1-2**, 18.
- A new locality for phosgenite. A.C. Dean. (1983), **1-2**, 19–20.
- Secondary silica in flint. P.K. Monk. (1983), **1-2**, 21–22.
- A new occurrence of aurichalcite and hemimorphite from Cornwall. D. Lloyd and R.W. Barstow. (1983), **1-2**, 23–24.
- A new locality for wulfenite on the Mendips. N.J. Eastwood. (1983), **1-2**, 25–26.
- The occurrence of galena in Leicestershire. R.J. King. (1983), **1-2**, 27–47.
- An occurrence of wulfenite, anglesite and native sulphur in the opencast above Ball Eye Quarry, Cromford, Derbyshire. T.F. Bridges. (1983), **1-2**, 48–51.
- Keeping radioactive minerals – some practical advice. R.P. Hicks. (1983), **1-2**, 52–53.
- The care of minerals, Section 2: The development of minerals. R.J. King. (1983), **1-2**, 54–77.

VOLUME 1, PART 3 (1985)

Editorial: R.J. King.

Articles and Notes

- A first occurrence of lauraontite in Wales. R.E. Bevins and J.M. Horak. (1985), **1-3**, 78–79.
- Langite and posnjakite from the Lake District. B. Young and E.W. Johnson. (1985), **1-3**, 80.
- Pyromorphite in the Northern Pennines. B. Young and E.W. Johnson. (1985), **1-3**, 81–82.
- Siegenite in clay-ironstone nodules from the South Wales Coalfield. R.E. Bevins and J.M. Horak. (1985), **1-3**, 83–85.
- A microcomputer based mineral identification package. L.R. Barton and A.V. Bromley. (1985), **1-3**, 86–91.
- Thenardite (Na₂SO₄), a mineral new to Britain, from Sussex and Cumbria. B.R. Young, B. Young and

A.T. Raine. (1985), **1-3**, 92–93.

- The care of minerals. Section 3A: The curation of minerals. R.J. King. (1985), **1-3**, 94–113.

VOLUME 1, PART 4 (1986)

Editorial: R.J. King.

Obituary: John P. Fuller (R.E. Starkey). (1986), **1-4**, 113.

Articles and Notes

- The mines and minerals of Newent, Gloucestershire. D.E. Bick. (1986), **1-4**, 114–118.
- Cyanotrichite from Cornwall. R.E. Starkey. (1986), **1-4**, 119–120.
- An occurrence of carbonate-cyanotrichite from Devon. R.E. Starkey. (1986), **1-4**, 121–122.
- Devilline and other minerals from Wheal Friendship, Mary Tavy, Devon, U.K. M.F. Brooke. (1986), **1-4**, 123–124.
- A new British locality for beudantite: Clevedon, Avon. R.E. Starkey. (1986), **1-4**, 125–126.
- The first British occurrence of cyrilovite and a second British locality for chalcocyanite. F. Ince. (1986), **1-4**, 127–128.
- The care of minerals: Section 3B: The curation of minerals. R.J. King. (1986), **1-4**, 129–148.

Contents List for Volume 1 (1982-1986). (1986), **1-4**, 149–168.

VOLUME 2, PART 1 (1988)

Editorial: R.E. Bevins.

Articles and Notes

- Strontianite from near Yate (Avon). J. Faithfull. (1988), **2-1**, 1–3.
- Millerite from the Cumbrian Coalfield. B. Young and P.M.A. Nancarrow. (1988), **2-1**, 5–7.
- Alumohydrocalcite from Scarborough, North Yorkshire, and Weston Favell, Northamptonshire. G. Ryback. (1988), **2-1**, 9–12.
- Copper(II) phosphate minerals from the Miguel Vacas Mine, Alentejo, Portugal. M.C.F. Magalhaes, J.D. Pedrosa de Jesus and P.A. Williams. (1988), **2-1**, 13–18.
- Rosasite from Bute Quarry, Mid Glamorgan. The first reported occurrence in Wales. C.J.N. Fletcher and B.R. Young. (1988), **2-1**, 19–23.
- Coffinite from Gipsy Lane Brickpit, Leicester. J.W. Faithfull and N. Hubbard. (1988), **2-1**, 25–28.
- Retgersite, NiSO₄·6H₂O: a new British occurrence from Warwickshire. D.R.G. Walker. (1988), **2-1**, 29–30.

Conference Report

- *Mineralogy and Museums*. 5-6 July 1988, BM(NH), London (R.E. Starkey). (1988), **2-1**, 31–34.

Book Review

- *Minerals of Cornwall and Devon*. P.G. Embry and R.F. Symes, 1987 (R.A. Howie). (1988), **2-1**, 35.

VOLUME 2, PART 2 (1989)

Editorial: R.E. Bevins.

Articles and Notes

- Barium feldspar rocks from Broken Hill, New South Wales. I. Plimer. (1989), **2-2**, 1–4.
- Alumohydrocalcite from the Bristol District. C. Alabaster. (1989), **2-2**, 5–10.
- The secondary mineralogy of the Clyde Plateau Lavas, Scotland. Part 1: Boyleston Quarry. T.K. Meikle. (1989), **2-2**, 11–14.
- The secondary mineralogy of the Clyde Plateau Lavas, Scotland. Part 2: Loanhead Quarry. T.K. Meikle. (1989), **2-2**, 15–21.
- Carbonatian connellite, a new variety, from the Britannia Mine, North Wales, and from the Botallack Mine, Cornwall. A.M. Pollard, R.G. Thomas, P.A. Williams, R.E. Bevins and S. Turgoose. (1989), **2-2**, 23–27.

- The Wesley Mine; a further occurrence of manganese oxide-hosted lead oxychloride minerals in the Bristol District. C. Alabaster. (1989), **2-2**, 29–47.
- Birnessite from Penberthy Croft Mine, Cornwall - a second English occurrence. J. Betterton. (1989), **2-2**, 48.
- Native silver from Red Gill Mine, Caldbeck Fells, Cumbria. M. Wirth. (1989), **2-2**, 49.
- Rosasite from West Pasture Mine, Weardale, Co. Durham. B. Young and J.G. Francis. (1989), **2-2**, 50.

Mineral Show Report

- *British Mineral and Gem Show*. London, 1989 (R.E. Starkey). (1989), **2-2**, 51.

Book Review

- *Topographica Mineralogica Slovenska*. M. Kodera and A. Kolektiva, 1986 (P.A. Williams). (1989), **2-2**, 52.

VOLUME 3, PART 1 (1990)

Editorial: R.E. Bevins.

Articles and Notes

- Alstonite and barytocalcite from Llantrisant, South Wales, and barytocalcite from Holwell, Mendip Hills, England. C. Alabaster. (1990), **3-1**, 1–6.
- Identification of minerals using X-Ray Diffraction (Review). A. Livingstone, R.G. Thomas and P.A. Williams. (1990), **3-1**, 7–14.
- Chromium minerals in microdiorite from the English Lake District. N.J. Fortey and P.H.A. Nancarrow. (1990), **3-1**, 15–22.
- Schulenbergite and namuwite from Smallcleugh Mine, Nenthead, Cumbria. A. Livingstone, T.F. Bridges and R.E. Bevins. (1990), **3-1**, 23–24.
- Supergene minerals from Low Pike, Caldbeck Fells, Cumbria. B. Young, M.P. Cooper, P.H.A. Nancarrow and D.I. Green. (1990), **3-1**, 25–28.
- Hausmannite from West Cumbria. B. Young and P.H.A. Nancarrow. (1990), **3-1**, 29–30.
- Bertrandite from the Pass of Ballater, Grampian Region, Scotland. R.E. Starkey. (1990), **3-1**, 31.

Book Reviews

- *Mines of the Lake District Fells*. J. Adams, 1988 (B. Young). (1990), **3-1**, 33.
- *Mineral Wealth of Saudi Arabia*. O. Farra and C. Spencer, 1986 (R.A. Howie). (1990), **3-1**, 33.
- *Il giacimento mineralogico di Pietro in Montecchio Maggiore (Vincenza)*. M. Boscardine and S. Sovilla, 1988 (R.A. Howie). (1990), **3-1**, 33.
- *Kloch: ein Sudosterreichsches basaltvorkommen und Seine Minerale*. J. Taucher, W. Postl, B. Moser, D. Jakely and P. Golob, 1989 (R.A. Howie). (1990), **3-1**, 33–35.
- *Introduction to practical ore microscopy*. P.R. Ineson, 1989 (D.H.M. Alderton). (1990), **3-1**, 35.
- *Nonmetalliferous Stratabound Ore Fields*. M. de Brodtkorb (Ed.), 1989 (R.A. Howie). (1990), **3-1**, 35–37.
- *Agates*. H.G. Macpherson, 1989 (R.E. Bevins). (1990), **3-1**, 37.

VOLUME 3, PART 2 (1990)

Editorial (Guest): B. Young.

Articles and Notes

- The secondary mineralogy of the Clyde Plateau Lavas, Scotland. Part 3. Hartfield Moss. T.K. Meikle. (1990), **3-2**, 43–47.
- New occurrences of secondary aluminium minerals from the Bristol District. C. Alabaster. (1990), **3-2**, 49–59.
- Matthew Forster Heddle (1828-1897), famous Scottish mineralogist. A. Livingstone. (1990), **3-2**, 61–65.
- Aleksite, a lead bismuth sulfotelluride: a second world occurrence from the Dolgellau Gold Belt, Wales. R.E. Bevins and C.J. Stanley. (1990), **3-2**, 67–69.
- Infrared spectroscopy as a technique for the investigation of minerals (Review). R.S.W. Braithwaite. (1990), **3-2**, 71–79.
- An occurrence of djurleite at West Caradon Mine, Cornwall. J.A. Lawrence. (1990), **3-2**, 81–84.

- Cinnabar from Machen Quarry, Machen, South Wales. T.F. Bridges. (1990), **3-2**, 85.

Book Reviews

- *Gemstones and Their Origins*. P.C.B. Keller, 1990 (R.R. Harding). (1990), **3-2**, 87.
- *Zeolites of Victoria*. W.D Birch (Ed.), 1989 (R.A. Howie). (1990), **3-2**, 87.
- *Monteregian Treasures: the Minerals of Mont St. Hilaire*. J.A. Mandarino and V. Anderson, 1989. (R.A. Howie) (1990), **3-2**, 87–88.
- *The Encyclopedia of Igneous and Metamorphic Rocks*. D.R. Bowes (Ed.), 1989 (R.E. Bevins). (1990), **3-2**, 88.
- *Encyclopedia of Minerals*. W.L. Rapp, T.J. Campbell and G.R. Rapp, 1990 (R.E. Bevins). (1990), **3-2**, 88–89.
- *The Pocket Guide to Rocks and Minerals*. M. O'Donoghue, 1990 (B. Young). (1990), **3-2**, 89–90.
- *Minerals of the English Lake District – Caldbeck Fells*. M.P. Cooper and C.J. Stanley, 1990 (B. Young). (1990), **3-2**, 90–91.
- *Crystals*. I.F. Mercer, 1990 (N. Fortey). (1990), **3-2**, 91.

VOLUME 4, PART 1 (1991)

Articles and Notes

- Arthur Edward Ian Montagu Russell. A.D. Hart and R.F. Symes. (1991), **4-1**, 1.
- Russellite from Buckbarrow Beck, Cumbria, England. B. Young, N.J. Fortey and P.H.A. Nancarrow. (1991), **4-1**, 3–7.
- Lead-molybdenum mineralization in an ancient cave in North Leicestershire. R.J. King. (1991), **4-1**, 9–12.
- The zinc analogue of ktenasite from Smallcleugh and Brownley Hill mines, Nenthead, Cumbria. A. Livingstone. (1991), **4-1**, 13–15.
- Stannite revisited. D.H.M. Alderton. (1991), **4-1**, 17–23.
- The mineralogy of Wapping Mine, Matlock Bath, Derbyshire. F. Ince. (1991), **4-1**, 25–34.
- Phosgenite, the first Welsh occurrence. N. Hubbard. (1991), **4-1**, 35.
- Strontianite from Brownley Hill Mine, Nenthead, Cumbria. M. Wood. (1991), **4-1**, 35–36.
- Secondary copper minerals from the Knockmahon area, County Waterford, Republic of Ireland. S. Moreton. (1991), **4-1**, 36–37.

Book Reviews

- *Minerals of New Zealand*. C.T. Railton and W.A. Watters, 1990 (R.A. Howie). (1991), **4-1**, 39.
- *Gemmology*. C.S. Hurlbut, Jr. and R.C. Kammerling, 1991 (R.R. Harding). (1991), **4-1**, 39.
- *Geology of the Northern Pennine Orefield: Vol. 1. Tyne to Stainmore*. K.C. Dunham, 1990 (R.A. Howie). (1991), **4-1**, 39–40.
- *Geology of the Mineral Deposits of Australia and Papua New Guinea*. F.E. Hughes, 1990 (K.C. Dunham). (1991), **4-1**, 40.
- *Volcanoes*. S. Van Rose and I.F. Mercer, 1991 (R.E. Bevins). (1991), **4-1**, 40.
- *Handbook of Mineralogy, Volume 1: Elements, Sulfides and Sulfosalts*. 1990 (R.E. Bevins). (1991), **4-1**, 40–41.

VOLUME 4, PART 2 (1992)

Editorial: G. Ryback.

Articles and Notes

- Supergene copper mineral assemblages at Botallack, St Just, Cornwall. R.J. Bowell. (1992), **4-2**, 45–53.
- The composition of stolzite from Wanlockhead and wulfenite from various Scottish localities. A. Livingstone. (1992), **4-2**, 55–57.
- An unusual occurrence of mottramite from Peldar Tor, Leicestershire. J.W. Faithfull and F. Ince. (1992), **4-2**, 59–62.
- Connellite from Colvend, Kirkcudbrightshire, and brochantite from Auchencat Burn, Dumfriesshire. S. Moreton and P. Aspen. (1992), **4-2**, 63–64.
- Barium-pharmacosiderite and symplectite from Caldbeck Fells, Cumbria. B. Young, E. Hyslop and D. Millward. (1992), **4-2**, 64–66.

- Cuprosklodowskite from Geevor Mine, Cornwall. N.J. Elton, J.J. Hooper and L. Coggon. (1992), **4-2**, 66–67.
- Growth of acanthite on native silver from the Clyde Plateau Lavas, Scotland. T.K. Meikle. (1992), **4-2**, 67–69.

Conference Reports

- *Conserving Britain's Mineralogical Heritage*. 31 March – 1 April 1992, Manchester University (R.E. Starkey). (1992), **4-2**, 71–74.
- *Collecting Minerals*. 4 April 1992, Loughborough University (R.J. King). (1992), **4-2**, 74–75.

Book Reviews

- *Geology and the Local Museum*. S.J. Knell and M.A. Taylor, 1989 (P.R. Crowther). (1992), **4-2**, 77–78.
- *Minerals and Rocks. Exercises in Crystallography, Mineralogy and Hand Specimen Petrology*. C. Klein, 1989 (R.A. Ixer). (1992), **4-2**, 78.
- *The Colours of Opaque Minerals*. A. Peckett, 1992 (R.A. Ixer). (1992), **4-2**, 78–79.
- *Men, Mines and Minerals of the Northern Pennines*. B. Chambers (Ed.), 1992 (B. Young). (1992), **4-2**, 79.
- *Meteorites: The Key to Our Existence*. R. Hutchinson and A. Graham, 1992 (B. Atkins). (1992), **4-2**, 79–80.

Contents List for Volumes 1-4 (1982-92). (1992), **4-2**, 81–92.

VOLUME 5, PART 1 (1993)

The Russell Medal: Trevor Bridges.

Editorial: G. Ryback.

Articles and Notes

- The story of a mineral collection (Part 1). The late R.D.S. Shrimpton. (1993), **5-1**, 5–9.
- Origin of the leadhillite polymorphs. A. Livingstone. (1993), **5-1**, 11–14.
- The occurrence of sphalerite in Leicestershire, England. R.J. King. (1993), **5-1**, 15–21.
- Lead-zinc-copper-arsenic-baryte mineralization from Clevedon, near Bristol, England. R.A. Ixer, R.A.D. Patrick and R.E. Starkey. (1993), **5-1**, 23–30.
- Botallackite from Dooneen Mine, Allihies, County Cork, Republic of Ireland. S. Moreton and P. Aspen. (1993), **5-1**, 31–32.
- Cinnabar from Stancombe Quarry, near Bristol, England. N. Zachariades. (1993), **5-1**, 33.

Conference Proceedings

Conserving Britain's Mineralogical Heritage. 31 March – 1 April, 1992, Manchester University.

- Introduction. R.E. Bevins. (1993), **5-1**, 34.
- The mineral collector as a conservationist – the right to collect? B. Young. (1993), **5-1**, 35–36.
- Mineral collectors – friend or foe? R.E. Starkey. (1993), **5-1**, 37–39.
- Abandoned metal mines: a unique mineralogical and microbiological resource. D.A. Jenkins and D.B. Johnson. (1993), **5-1**, 40–44.
- The botanical interest of mine spoil heaps – the lichen story. O.W. Purvis. (1993), **5-1**, 45–48.
- Cwmystwyth, Wales: 3500 years of mining history – some problems of conservation and recording. S. Timberlake. (1993), **5-1**, 49–53.
- Resolving conflicts: reclamation and management options. J.P. Palmer. (1993), **5-1**, 54–56.
- Greening the environment and access to mineralogical sites: conflicts and opportunities. B.R. Marker. (1993), **5-1**, 57–60.
- Mineralogical conservation in Great Britain – the governmental conservation agency approach. D.A. O'Halloran, T. Moat, R.E. Mathews and A.P. McKirdy. (1993), **5-1**, 61–63.

Book Reviews

- *Hey's Mineral Index. Mineral Species, Varieties and Synonyms*. A.M. Clark, 1993 (G. Ryback). (1993), **5-1**, 64–65.
- *Mineral Reference Manual*. E.H. Nickel and M.C. Nichols, 1991 (R.A. Howie). (1993), **5-1**, 65.
- *The Care and Conservation of Geological Materials*. F.M. Howie (Ed.), 1992 (R.E. Bevins). (1993), **5-1**,

65-66.

- *Mineralisation in the British Isles*. R.A.D. Pattick and D.A. Polya, 1993 (R.A. Howie). (1993), **5-1**, 66.
- *Igneous Rocks of South-West England*. P.A. Floyd, C.S. Exley and M.T. Styles, 1993 (R.A. Howie). (1993), **5-1**, 66–67.
- *Geology of the Outer Hebrides. Memoir for 1:100000 (solid) geological sheets, Lewis and Harris, Uist and Barra, Scotland*. D.J. Fettes, J.R. Mendum, D.I. Smith and J.V. Watson, 1992 (R.A. Howie). (1993), **5-1**, 67.
- *The Quantitative Data for Ore Minerals*. A.J. Criddle and C.J. Stanley (R.A. Ixer). (1993), **5-1**, 68.

VOLUME 5, PART 2, (1994)

Articles and Notes

- The story of a mineral collection (Part 2). The late R.D.S. Shrimpton. (1994), **5-2**, 71–75.
- John Henry Vivian (1785–1855): the probable eponym of vivianite. P.G. Embrey. (1994), **5-2**, 77–81.
- Native silver from Hilderston Mine, West Lothian, Scotland. T.K. Meikle. (1994), **5-2**, 83–90.
- Mineralogy of the Alderley Edge – Mottram St Andrew area, Cheshire, England. R.S.W. Braithwaite. (1994), **5-2**, 91–102.
- Fluorite at Hampstead Farm Quarry, Chipping Sodbury, Avon: a new British occurrence. M.F. Brooke. (1994), **5-2**, 103–107.
- An unusual occurrence of arsenate minerals at Gwaith-yr-Afon mine, Dyfed, Wales. S.A. Rust and J.S. Mason. (1994), **5-2**, 109–113.
- Tyuyamunite from St Just, Cornwall, England. N.J. Elton and J.J. Hooper. (1994), **5-2**, 114–115.
- Barytocalcite and witherite from Rorrington Mine, Chirbury, Salop, England. R.E. Starkey, N. Hubbard and B. Young. (1994), **5-2**, 115–118.
- Witherite from Scaleburn Vein, Nenthead, Cumbria, England. R. Bunting. (1994), **5-2**, 118–119.
- Vivianite from South Humberside and Yorkshire, England. M.E. Smith. (1994), **5-2**, 119–120.
- Leadhillite from the Northern Pennine Orefield. B. Young, T.F. Bridges and E.K. Hyslop. (1993), **5-2**, 121–123.
- Cinnabar from the Caldbeck Fells, Cumbria, England. T. Neall and C.M. Leppington. (1994), **5-2**, 123–124.
- Analyses of calcian phosphatian vanadinite, and apatite high in lead, from Wanlockhead, Scotland. A. Livingstone. (1994), **5-2**, 124–126.

Book Reviews

- *Manual of Mineralogy (after James D. Dana)*. C. Klein and C.S. Hurlbut, 1993 (R.S.W. Braithwaite). (1994), **5-2**, 127.
- *Principles of Mineralogy*. W.H. Blackburn and W.H. Dennon, 1994 (R.A. Ixer). (1994), **5-2**, 127–128.
- *Minerals and Gemstones of the World*. G. Brocardo, 1994 (R.A. Howie). (1994), **5-2**, 128.
- *A Mineralogy of Wales*. R.E. Bevins, 1994 (T.F. Bridges). (1994), **5-2**, 128–129.
- *The Red Hills*. D. Kellt, 1994 (B. Young). (1994), **5-2**, 129–130.
- *Phosphate Minerals of Victoria*. W.D. Birch and D.A. Henry, 1993 (R.A. Howie). (1994), **5-2**, 130.
- *Regional Geochemistry of the Lake District and Adjacent Areas*. British Geological Survey, 1992 (R.E. Starkey). (1994), **5-2**, 130–131.
- *Infrared Transmission Spectra of Carbonate Minerals*. G.C. Jones and B. Jackson, 1993 (G. Ryback). (1994), **5-2**, 131–132.
- *Clay Mineralogy: Spectroscopic and Chemical Determinative Methods*. M.J. Wilson (Ed.), 1994 (N.J. Elton). (1994), **5-2**, 132.

VOLUME 6, PART 1 (1995)

The Russell Medal: Dr. Robert (Bob) F. Symes.

Editorial (Guest): R.A. Howie.

Errata: Volumes 4–5.

Articles and Notes

- Electron microprobe techniques in mineral analysis (Review). C.T. Williams and J. Spratt. (1995), **6-1**, 5–12.

- Early development of mineralogy in Edinburgh, Scotland. A. Livingstone. (1995), **6-1**, 13–16.
- Supergene U–Pb–Cu mineralisation at Loe Warren, St Just, Cornwall, England. N.J. Elton and J.J. Hooper. (1995), **6-1**, 17–26.
- Silica-rich edingtonite and associated minerals from Loanhead Quarry, Beith, Strathclyde - a new Scottish locality. T.K. Meikle and J.G. Todd. (1995), **6-1**, 27–30.
- Minerals of Machen Quarry, Mid Glamorgan, Wales. S.P. Plant and I.E. Jones. (1995), **6-1**, 31–36.
- Stalactitic galena from Lamb Bottom, Mendip Hills, Somerset, England. S. Cowdry. (1995), **6-1**, 37–40.
- Sulphide, sulphate, phosphate and carbonate mineral assemblages in the Oxford Clay, Cassington-Yarnton area, Oxfordshire, England. F.B. Atkins. (1995), **6-1**, 41–45.
- Wulfenite from Cornwall, England. M.G.H. Merry and R.S.W. Braithwaite. (1995), **6-1**, 47–48.
- Wulfenite: a new find in Derbyshire, England. J.I. Wilson, M.J. Colledge and R.S.W. Braithwaite. (1995), **6-1**, 48–49.
- Well-crystallised fraipontite from Machen Quarry, Mid Glamorgan: a first Welsh locality. J. Goulding and M.T. Price. (1995), **6-1**, 50.
- Bavenite from Shap granite Quarry, Cumbria, England. M.M. Wirth. (1995), **6-1**, 51.
- Beyerite, (Ca,Pb)(BiO)₂(CO₃)₂, a mineral new to the British Isles, from Cumbria, England. R.S.W. Braithwaite and G. Ryback. (1995), **6-1**, 51–52.
- Troilite from Glenelg, Highland Region, Scotland: the first British Isles occurrence. P. Davidson. (1995), **6-1**, 52–53.
- Rutheniridosmine from the Ochill Hills, Scotland: the first British Isles occurrence. P. Davidson. (1995), **6-1**, 54–55.
- Definition of a mineral. E.H. Nickel. (1995), **6-1**, 56–57.

Book Reviews

- *The History of Mineral Collecting*. W.E. Wilson, 1994 (R.A. Howie). (1995), **6-1**, 58.
- *Handbook of Mineralogy, Volume II, Silica, Silicates*. J.W. Anthony, R.A. Bideaux and M.C. Nichols, 1995 (R.E. Bevins). (1995), **6-1**, 58.
- *Crystal Identification and the Polarizing Microscope*. R.E. Stroiber and S.A. Morse, 1994 (D.M.H. Alderton). (1995), **6-1**, 58–59.
- *Gemmology: An Annotated Bibliography*. J. Sinkankas, 1993 (G. Ryback). (1995), **6-1**, 59.
- *Seathwaite Wad and the Mines of the Borrowdale Valley*. I. Tyler, 1995 (B. Young). (1995), **6-1**, 59–60.

VOLUME 6, PART 2 (1996)

Articles and Notes

- Fluid inclusions: analysis and applications (Review). J. Naden. (1996), **6-2**, 63–74.
- Mineralogy of Snelston Mine, near Ashbourne, Derbyshire, England. P.S. Jackman. (1996), **6-2**, 75–80.
- Calcian goyazite and florencite-(Ce) from Gunheath China Clay Pit, St Austell, Cornwall. N.J. Elton and M.J.E. Grigg. (1996), **6-2**, 81–83.
- Epistilbite from the Isle of Skye, Scotland. D.I. Green and M. Wood. (1996), **6-2**, 85–87.
- Zeolite occurrences in basaltic dykes on the Western Isles of Scotland. A. Dyer, O.M. Wilson, C.D. Williams and J. Smethurst. (1996), **6-2**, 89–92.
- Romanesque and Gothic wall paintings in Winchester Cathedral: an unusual use and alteration of vivianite. H. Howard. (1996), **6-2**, 93–96.
- Coronadite from the Northern Pennine Orefield, England. B. Young, E.K. Hyslop and R.A. Fairbairn. (1996), **6-2**, 97.
- A further occurrence of widenmannite in Cornwall, England. N.J. Elton and J.J. Hooper. (1996), **6-2**, 98.
- Diaboleite from Gunver Head, Cornwall, England. R.S.W. Braithwaite and M.G.H. Merry. (1996), **6-2**, 99.
- Talmessite, with rauenthalite or phaunouxite, from Ivy Tor Mine, Devon, England. R.S.W. Braithwaite, M.G.H. Merry and B. Jackson. (1996), **6-2**, 100–101.
- Stalactitic galena in the Mendip Hills, Somerset, England: another 17th century reference. S. Cowdry. (1996), **6-2**, 101.

Book Reviews

- *Minerals: an Illustrated Explanation of the Dynamic World of Minerals and Their Properties*. G.W. Robinson, 1994 (R.A. Howie). (1996), **6-2**, 102.
- *Franklin and Sterling Hills, New Jersey: the World's Most Magnificent Mineral Deposits*. P.J. Dunn,

- 1995 (R.A. Howie). (1996), **6-2**, 102–103.
- *Minerals of South Africa*. B. Cairncross and R. Dixon, 1995 (R.A. Howie). (1996), **6-2**, 103.
- *Ore Microscopy and Ore Petrography*. J.R. Craig and D.J. Vaughan, 1994 (C.J. Stanley). (1996), **6-2**, 104.
- *Derbyshire Black Marble*. J.M. Tomlinson (and T.D. Ford), 1996 (R.A. Howie). (1996), **6-2**, 104.

VOLUME 7, PART 1 (1998)

Editorial: G. Ryback.

Articles and Notes

- Supergene minerals of the Northern Pennine Orefield – A review. T.F. Bridges and B. Young. (1998), **7-1**, 3–14.
- Barboselite, frondelite and other phosphates from Gunheath China Clay Pit, St Austell, Cornwall, England. N.J. Elton. (1998), **7-1**, 15–18.
- Sector phosphorescent gypsum (selenite) crystals from Mepal Bridge, Cambridgeshire, England. B.A. Grguric. (1998), **7-1**, 19–22.
- The silver and cobalt mineralisation near Alva, Central Region, Scotland. S. Moreton, P. Aspen, D.I. Green and S.M. Ingram. (1998), **7-1**, 23–30.
- Harmotome from Brownley Hill Mine, Nenthead, Cumbria, England. D.I. Green and J.R. Nudds. (1998), **7-1**, 31–33.
- Valentinite from the Isle of Man. R.E. Starkey. (1998), **7-1**, 35–36.
- Antimonian claudetite from Wet Swine Gill, Caldbeck Fells, Cumbria, England. C.M. Leppington and D.I. Green. (1998), **7-1**, 36–37.
- Atacamite, botallackite and cumengeite from Abersoch, Gwynedd, Wales. I. Dossett and D.I. Green. (1998), **7-1**, 37–38.
- Anilite, with botallackite and clinooatacamite, from Castletown Mine, Lochgilphead, Scotland. R.E. Starkey and N. Hubbard. (1998), **7-1**, 38–39.
- Thaumassite from High Sedling Mine, Weardale, County Durham, and from Shap, Cumbria, England. B. Young, E.K. Hyslop, T.F. Bridges and N. Hubbard. (1998), **7-1**, 40.
- Enargite group minerals from Scaleber Bridge, North Yorkshire, England. R.A. Ixer and C.J. Stanley. (1998), **7-1**, 41–42.

CD-ROM Review

- *Discovering Geology: The Lake District*. British Geological Survey, 1997 (R.E. Starkey). (1998), **7-1**, 43–44.

Contents List for Volumes 1-6 (1982-1998). (1998), **7-1**, 45–48.

VOLUME 7, PART 2 (2001)

The Russell Medal: Roy E. Starkey.

Articles and Notes

- A.W.G. Kingsbury's specimens of British minerals. Part 1: Some examples of falsified localities. G. Ryback, A.D. Hart and C.J. Stanley. (2001), **7-2**, 51–69.
- Mica Quarrying and processing in Scotland during the Second World War. R.P. McIntosh. (2001), **7-2**, 71–74.
- Copper mineralisation in the Permian Magnesian Limestone at Raisby, Coxhoe, County Durham, England. B. Young. (2001), **7-2**, 75–78.
- Wavellite and variscite on Gower, Swansea, South Wales. S.P. Plant and I.E. Jones. (2001), **7-2**, 79–81.
- Gismondine-Ba, a zeolite from the weathering of slag. R.S.W. Braithwaite, A. Dyer, R.P.H. Lamb and J.I. Wilson. (2001), **7-2**, 83–85.
- Ramsbeckite with schulenbergite from Cornwall and Cumbria, England. D.I. Green, J. Betterton, R. Bell and T. Neall. (2001), **7-2**, 86–87.
- Millerite and associated minerals from Brixham, Devon, England. R.S.W. Braithwaite and J.I. Wilson. (1998), **7-2**, 87–88.
- Rosiaite from Bwlch Mine, Deganwy, Conwy, Wales. G. Ryback and J.G. Francis. (2001), **7-2**, 88.

- Natrolite from Calton Hill, Derbyshire, England. A. Dyer, O.M. Wilson and B. Young. (2001), **7-2**, 89.
- Milarite from Shap Granite Quarry, Cumbria, England, with a discussion of milarite occurrences in Cornwall and Devon. M.M. Wirth, D.I. Green and G. Ryback. (2001), **7-2**, 90–91.
- Raspite from Carrock Mine, Caldbeck Fells, Cumbria, England: a first British occurrence. T. Neall and D.I. Green. (2001), **7-2**, 91.
- Parasymphesite, a mineral new to Britain, from Wet Swine Gill, Caldbeck Fells, Cumbria, England. T. Neall and D.I. Green. (2001), **7-2**, 92–93.
- Vesignieite from Castletown Mine, Lochgilphead, Argyll and Bute, a first Scottish occurrence. N. Hubbard and D.I. Green. (2001), **7-2**, 93.
- Otavite from Bishopton, Renfrewshire, Scotland. J. Faithfull and N. Hubbard. (2001), **7-2**, 94–95.
- Botallackite, including good crystals, from Ireland. R.S.W. Braithwaite and J.I. Wilson. (2001), **7-2**, 96.

Book reviews

- *Introduction to Mineralogy*. W.D. Nesse, 2000; Dana's Minerals and How to Study Them. C.J. Hurlbut and W.E. Sharp, 1998 (R.A. Howie). (2001), **7-2**, 82.
- *Whiskey on the Rocks – Origins of the 'Water of Life'*. S. Cribb and J. Cribb, 1998 (R.A. Howie). (2001), **7-2**, 82.

VOLUME 8, PART 1 (2003)

Articles and Notes

- The manganese iron mineralisation of Burdell Gill, Caldbeck Fells, Cumbria, England. C.M. Leppington and T. Neall. (2003), **8-1**, 1–9.
- Secondary mineralisation from the Cwmavon Valley copper smelting slags, Glamorgan, South Wales. S.P. Plant. (2003), **8-1**, 9–15.
- Symplectite and parasymplectite from Cumbria and Cornwall, England. D.I. Green, T. Neall, T.F. Cotterell and C.M. Leppington. (2003), **8-1**, 16–17.
- Tennantite and tyrolite from the Coed Y Brenin Forest, North Wales. R. Armstrong, R.J. Herrington and M.A. Savage. (2003), **8-1**, 18.
- The secondary mineralisation of the Clyde Plateau lavas, Scotland, Part 4, Reilly Quarry. The late T.K. Meikle. (2003), **8-1**, 19–22.
- Zeolites and related minerals from Orrock Quarry, Fife, Scotland. M.M. Wirth. (1996), **8-1**, 23–25.
- Calcium analcime from The Totherick, Ayrshire, Scotland: An unusual crystal form with trapezoidal faces. A. Dyer, R. Waughman and C.D. Williams. (2003), **8-1**, 26–29.
- Cacozenite and crandallite from Pwll Du beach, Bishopton, Gower, Swansea, South Wales: The first Welsh occurrence. A.C. Dean and T.F. Cotterell. (2003), **8-1**, 30–32.
- Brianyoungite from Elgar mine and Frongoch Mine, Ceredigion, Wales. T.F. Cotterell, J.S. Mason and D.I. Green. (2003), **8-1**, 33–34.
- Well-formed crystals of erythrite with mercurian silver, lavendulan and other minerals from Gortdrum Mine, Tipperary, Ireland. R.S.W. Braithwaite and J.I. Wilson. (2003), **8-1**, 35–36.
- Cotunnite from the beach at Clevedon, Avon, England. T.F. Bridges. (2003), **8-1**, 36–37.
- Epimorphs of quartz after fluorite from the Rampgill and Coalcleugh mine system, Nenthead, Cumbria, England. T.F. Bridges and H. Wilkinson. (2003), **8-1**, 38–39.
- Gearksutite from the Old Gang mines, Swaledale, North Yorkshire, England. D.I. Green (2003), **8-1**, 41–43.
- Gartrellite, a mineral new to Britain, from Low Pike, Caldbeck Fells, Cumbria, England. D.I. Green, C.M. Leppington and T. Neall. (2003), **8-1**, 43–44.

Book Review

- *Minerals of Scotland: Past and Present*. A. Livingstone, 2002 (R.A. Howie). (2003), **8-1**, 40.

VOLUME 8, PART 2 (2005)

Editorial: N. Moles.

Articles and Notes

- The mineralogy of Newhurst Quarry, Shepshed, Leicestershire. F. Ince. (2005), **8-2**, 47–65.
- The occurrence and formation of galena in supergene environments. D.I. Green, T.F. Bridges and T. Neall. (2005), **8-2**, 66–70.

- Mud-filled fluorite vugs in Greenlaws Mine, Weardale, Co. Durham. S. Moreton. (2005), **8-2**, 71–75.
- Gearksutite, a second British occurrence, from the Ball Eye Opencast, Cromford, Derbyshire. T.F. Bridges and D.I. Green. (2005), **8-2**, 75–77.
- Phosphate minerals including koninckite and planerite from Grouse Lodge Quarry, Shanagolden, Co. Limerick. S. Moreton and D.I. Green. (2005), **8-2**, 78–80.
- A review of the occurrence of antlerite in the British Isles. T.F. Bridges, D.I. Green and M.S. Rumsey. (2005), **8-2**, 81–84.
- A review of the supergene mineralisation at Silver Gill, Caldbeck Fells, Cumbria. D.I. Green, T.F. Bridges, M.P. Cooper and N. Thomson. (2005), **8-2**, 85–97.
- Carbonate-fluorapatite from the Westphalian coal measures of South Wales, U.K. S. Plant and D. Evans. (2005), **8-2**, 98–101.
- The composition of fuloppite from Wet Swine Gill, Caldbeck Fells, Cumbria. D.I. Green, T. Neall and A.G. Tindle. (2005), **8-2**, 101–102.
- Columbite from Chywoon Quarry in the Carnmenellis Granite, Cornwall. D. Moulding and A.G. Tindle. (2005), **8-2**, 102–106.
- Cotunnite from Penrhyn Du Mine, Gwynedd, Wales. N. Hubbard and D. I. Green. (2005), **8-2**, 106–107.
- An update of the supergene mineralogy of Hilton Mine, Scordale, Cumbria. T.F. Bridges and D.I. Green. (2005), **8-2**, 108–110.
- Kegelite, a first British occurrence, from Wanlockhead, Dumfries and Galloway, Scotland. T. Neall and D.I. Green. (2005), **8-2**, 110–111.
- Epimorphs of quartz after fluorite from Rampgill, Coalcleugh and Barneyraig mine system, Nenthead, Cumbria, England – an update. T.F. Bridges and H. Wilkinson. (2005), **8-2**, 112.
- A tin-lead alloy found in a zeolitic amygdale at Carsaig Bay on the Hebridean Isle of Mull. A. Dyer, D.I. Green, B. Taylor and C.D. Williams. (2005), **8-2**, 113–114.

Book Reviews

- *Minerals: Their Constitution and Origin*. H.-R. Wenk and A. Bulakh, 2004 (A. Dyer). (2005), **8-2**, 115–116.
- *Minerals and their Localities*. J. Bernard and J. Hyrsl, 2004 (R. Turner). (2005), **8-2**, 116.

VOLUME 9 (2006)

Editorial: N. Moles.

Articles and Notes

- The first British occurrence of kottigite, from Hilton Mine, Scordale, Cumbria. T.F. Bridges and D.I. Green. (2006), **9**, 3.
- A review of the mineralisation at Driggith and Sandbed mines, Caldbeck Fells, Cumbria. D.I. Green, M.S. Rumsey, T.F. Bridges, A.G. Tindle and R.A. Ixer. (2006), **9**, 4–38.
- A review of the mineralogy of Brae Fell Mine, Caldbeck Fells, Cumbria. T.F. Bridges, D.I. Green and M.S. Rumsey. (2006), **9**, 39–44.
- Supergene mineralisation at Arm O'Grain, Caldbeck Fells, Cumbria. D.I. Green, A.G. Tindle, T.F. Bridges and T. Neall. (2006), **9**, 44–53.
- Heavy metals and their weathering products in residues from Castleside Smelting Mill, County Durham, including a new slag mineral, copper antimonite. R.S.W. Braithwaite, R.P.H. Lamb and A.L. Natrass. (2006), **9**, 54–61.
- Secondary species associated with weathering of industrial residues at Tindale Fell Spelter Works, Cumbria. R.S.W. Braithwaite, R.P.H. Lamb and A.L. Natrass. (2006), **9**, 61–64.
- Hydronium jarosite from Brynycastell Mine, Dolgellau, Gwynedd, Wales. T.F. Cotterell. (2006), **9**, 65–67.
- Clinoptilolite and heulandite from Wheal Hazard, St Just, Cornwall. A. Dyer, D.I. Green, A.G. Tindle and C.D. Williams. (2006), **9**, 68–72.
- Baryte replacement by barium carbonate minerals. T.F. Bridges and D.I. Green. (2006), **9**, 73–82.
- Scotland in the British Isles: Its occurrence, morphology and paragenesis. T. Neall, D.I. Green and T.F. Bridges. (2006), **9**, 83–89.
- A zeolite-bearing skarn at Barnahallia, Connemara, Co. Galway, Ireland. S. Moreton and D.I. Green. (2006), **9**, 90–92.

VOLUME 10 (2007)

Editorial (Guest): F. Ince.

Articles and Notes

- Zoned oxidation deposits in Tynebottom Mine, Garrigill, Cumbria. T.F. Bridges and D.I. Green. (2007), **10**, 3–9.
- Copper-bearing silica gel from the walls of the Tankardstown Mine, Co. Waterford, Ireland. S. Moreton. (2007), **10**, 10–17.
- Geology and mineralogy of Pike Law Mines, Newbiggin, Teesdale, Co. Durham. T.F. Bridges and B. Young. (2007), **10**, 18–26.
- The mineralogy of Bardon Hill Quarry, Coalville, Leicestershire. F. Ince. (2007), **10**, 27–39.
- Edingtonite, harmotome and other vein minerals at the Conlig-Whitespots Lead Mines, County Down, Northern Ireland. N.R. Moles. (2007), **10**, 40–46.
- Buttgenbachite from Cornwall: a single-crystal X-ray study. P. Leverett, P.A. Williams and D.E. Hibbs. (2007), **10**, 47–50.
- Childrenite from the English Lake District. R.S.W. Braithwaite and R.P.H. Lamb. (2007), **10**, 50–51.
- An unusual fluorescent fluorite from Derbyshire. R.S.W. Braithwaite and J.I. Wilson. (2007), **10**, 52–54.
- Powellite from Benallt Mine, Llyn Peninsula, Gwynedd: a first Welsh occurrence. I. Dossett, D.I. Green and T.F. Cotterell. (2007), **10**, 54–55.
- Cesàrolite from Frongoch Mine, Devil's Bridge, Ceredigion, Wales. T.F. Cotterell. (2007), **10**, 55–56.
- Corkite and hinsdalite from Frongoch Mine, Devil's Bridge, Ceredigion, Wales, including evidence to suggest that orpheite is a variety of hinsdalite. T.F. Cotterell and P.K. Todhunter. (2007), **10**, 57–64.

VOLUME 11 (2008)

Editorial: N. Moles.

Articles and Notes

- A review of the mineralogy of the Roughton Gill Mines, Caldbeck Fells, Cumbria: Part 2, The Roughton Gill South Vein on Balliway Rigg. D.I. Green, T.F. Bridges, M.S. Rumsey, C.M. Leppington and A.G. Tindle. (2008), **11**, 3–28.
- A review of the mineralisation at Red Gill Mine, Caldbeck Fells, Cumbria, England. T.F. Bridges, D.I. Green, M.S. Rumsey and C.M. Leppington. (2008), **11**, 29–47.
- Baryte formation in supergene environments in the Caldbeck Fells, Cumbria. T.F. Bridges and D.I. Green. (2008), **11**, 48–50.
- The first British occurrence of kombatite, $Pb_{14}[(VO_4)_2O_9Cl_4]$, from the "Wesley Mine" near Westbury on Trym, Bristol. M.S. Rumsey. (2008), **11**, 51–53.
- A review of the occurrences of the copper vanadate materials volborthite and tangeite in the British Isles. D.I. Green, N. Hubbard and F. Ince. (2008), **11**, 54–58.
- Ranciéite from Mynydd Parys, Amlwch, Anglesey, Wales. T.F. Cotterell and D.A. Jenkins. (2008), **11**, 59–63
- Extracts from 'Minerals of the Glamorgan coast: Barry Island and adjacent areas'. L. Garfield and D. Wellings. (2008), **11**, 64–70.
- The minerals of Moneen Quarry, Castlebar, Co. Mayo, Ireland. S. Moreton. (2008), **11**, 71–72.
- Barium zeolites and calcioancylite-(Ce) from Guisachan Quarry, Tomich, Highland, Scotland. N. Hubbard, D.I. Green and A.G. Tindle. (2008), **11**, 73–79.
- Heulandite-Sr and Heulandite-Ba, two zeolite group minerals new to Britain from Whitesmith Mine, Strontian, Highland Region, Scotland. D.I. Green, A.G. Tindle, N. Hubbard, D. McCallum and B. Jackson. (2008), **11**, 80–86.
- Scolecite from Cornwall, the first occurrences in England. O.M. Wilson, A. Dyer, V.A.D. Holyer and C.D. Williams. (2008), **11**, 87.
- Stolzite from Penberthy Croft Mine, St Hilary, Cornwall. D. Moulding, J. Hooper and D.I. Green. (2008), **11**, 88–89.

Book Reviews

- *Minerals of Northern England*. R.F. Symes and B. Young, 2008 (N. Hubbard). (2008), **11**, 90.
- *Minerals of Britain and Ireland*. A.G. Tindle, 2008 (R.A. Howie). (2008), **11**, 91.

VOLUME 12 (2009)

Editorial: N. Moles.

Articles and Notes

- The distribution and composition of adamite and zincolivenite in Britain and Ireland. Richard S.W. Braithwaite, D.I. Green and A.G. Tindle. (2009), **12**, 3–9.
- Zincolivenite from the Penberthy Croft Mine, Cornwall. J.C.Ø. Andersen and D. Moulding. (2009), **12**, 10–14.
- Supergene manganese mineralisation associated with the Camdwr Fault in the Central Wales Orefield. T. Cotterell. (2009), **12**, 15–25.
- The composition of volborthite from Newhurst Quarry, Leicestershire. A.G. Tindle and D.I. Green. (2009), **12**, 26–27.
- Mineralogical fraud - an appraisal of an unpublished manuscript by A.W.G. Kingsbury. T.F. Bridges. (2009), **12**, 27–32.
- A review of the mineralisation at Ingray Gill, Caldbeck Fells, Cumbria. D.I. Green, M.S. Rumsey, T. F. Bridges and N. Thomson. (2009), **12**, 33–45.
- The mineralogy of Short Grain Low Level, Caldbeck Fells, Cumbria. T. Neall and D.I. Green. (2009), **12**, 45–61.
- 'Lady's slippers' and a specimen of pyrite collected by Sir Kingsley Dunham from 'Nentsbury Mine', Nenthead, Cumbria. T.F. Bridges. (2009), **12**, 61–64.
- Acicular baryte in the Cavanacaw Gold Mine, County Tyrone, Northern Ireland. J.A.S. McFarlane, N.R. Moles and D.I. Green. (2009), **12**, 65–67.

Book Review

- *Geological Excursion Guide to Rum*. C.H. Emeleus and V.R. Troll, 2009 (N.R. Moles). (2009), **12**, 68.

VOLUME 13 (2010)

Editorial (Guest): R. Turner.

Articles and Notes

- The minerals of the Mendip Hills and their relationships. R. Turner and M.S. Rumsey. (2010), **13**, 3–46.
- Hübnerite in Alpine-type fissure veinlets in the Cambrian manganese ore bed, Harlech, Wales. T.F. Cotterell, J.S. Mason and A.C. Dean. (2010), **13**, 47–52.
- An unusual manganese-bearing assemblage from Restormel, Lostwithiel, Cornwall. T.F. Cotterell. (2010), **13**, 53–56.
- The first confirmed British occurrence of sieleckiite, $\text{Cu}_3\text{Al}_4(\text{PO}_4)_2(\text{OH})_{12}\cdot 2\text{H}_2\text{O}$, from spoil at Wheal Gorland, St. Day, Cornwall. M.S. Rumsey and G.M. Cressey. (2010), **13**, 57–61.
- The mineralogy of a small flat deposit at Killhope, Weardale, with the first record of dundasite from the Northern Pennine Orefield. T.F. Bridges. (2010), **13**, 61–65.
- A report on Westernhope Old Mine, Weardale, Co. Durham. T.F. Bridges. (2010), **13**, 66–70.

Volume 14 (2011)

Editorial (Guest): Roy Starkey: Taking stock after 40 years

Articles and Notes

- A review of the mineralisation of the Roughton Gill mines, Caldbeck Fells, Cumbria: Part 3 Roughton Gill Mine. T.F. Bridges, D.I. Green, M.S. Rumsey and C.M. Leppington. (2011), **14**, 3–23.
- Alluvial occurrences of fergusonite and gadolinite in the Mourne Mountains, Northern Ireland. N.R. Moles and A.G. Tindle. (2011), **14**, 23–25.
- Danburite from Meldon Quarry, Okehampton and other UK localities. M.S. Rumsey, G. Ryback and R. Tayler, (2011), **14**, 26–32.
- A review of the mineralogy of the area around Markfield, Leicestershire. F. Ince. (2011), **14**, 32–44.
- A review of the mineralogy of the area around Groby, Leicestershire. F. Ince. (2011), **14**, 44–62.
- A report on Hay Gill Mine, Caldbeck Fells, Cumbria. T.F. Bridges, M.S. Rumsey and C.M. Leppington. (2011), **14**, 62–68.

- Goethite pseudomorphs after marcasite from the Northern Pennine Orefield. B. Young and T.F. Bridges. (2011), **14**, 69–76.

Volume 15 (2012)

Editorial: N. Moles.

Articles and Notes

- Geology and mineralisation at Florence Mine, Egremont, Cumbria. B. Young. (2012), **15**, 3–18.
- A geochemical study of the lead oxychloride mineral assemblage of the Mendip Hills, Somerset, UK using a stability field model. T.F. Bridges, R. Turner and M.S. Rumsey. (2012), **15**, 18–28.
- The rediscovery of type mineral species at the Benallt Manganese Mine, Rhiw, Pen Llŷn, Gwynedd, Wales. T.F. Cotterell. (2012), **15**, 29–40.
- Tungsten and bismuth minerals, including russellite, within greisen veins in the western Mourne Mountains, Northern Ireland. N.R. Moles and A.G. Tindle. (2012), **15**, 40–48.
- Copper mineralisation at Rassal, Kishorn, Highland Region. J. Faithfull, B. Young and R. Starkey. (2012), **15**, 49–58.
- Hydrozincite from Swaledale, Northern Pennines. B. Young and T.F. Bridges. (2012), **15**, 58–62.
- Copper and barium mineralisation at Forcett Quarry, East Layton, North Yorkshire. B. Young, T.F. Bridges and P. Tandy. (2012), **15**, 62–72.
- Chalcoalumite from southwest England. R.S.W. Braithwaite and M.G.H. Merry. (2012), **15**, 73–75.
- Native mercury from Derbyshire. T.B. Greenland and R.S.W. Braithwaite. (2012), **15**, 75–76.

Volume 16 (2013)

Editorial: N. Moles.

Obituary: Dr R.J. (Bob) King (Roy E. Starkey). (2013), **16**, 3-5

Articles and Notes

- Phosgenite and matlockite in Derbyshire (Part 2). T.F. Bridges. (2013), **16**, 6–12.
- Unusual fluorite from Old Towns Quarry, Newton Aycliffe, Co. Durham. T.F. Bridges and T.H. Pettigrew. (2013), **16**, 12–14.
- Coronadite and romanchèite from the Northern Pennine Orefield S. Moreton and R. Lawson. (2013), **16**, 15–17.
- Hemimorphite replacements of rugose corals from Swaledale, North Yorkshire B. Young. (2013), **16**, 17–19.
- 'Cellular' quartz from Teesdale, Northern Pennines B. Young and R.E. Starkey. (2013), **16**, 19–24.
- A review of the occurrences of hydrocarbon-containing materials in Leicestershire. F. Ince. (2013), **16**, 25–38.
- A new assemblage of manganese silicates in the Lower Cambrian manganese ore bed, Harlech, Merionethshire, Wales. T.F. Cotterell. (2013), **16**, 39–51.
- Franklinphilite in veinlets in the Lower Cambrian manganese ore bed, Harlech, Merionethshire, Wales. T.F. Cotterell and N. Hubbard. (2013), **16**, 51–59.
- Chernovite-(Y) in reduction spots in Welsh slate. H.C. Kerbey. (2013), **16**, 60–63.
- Zircon pyroxenite from Upper Badcall, Sutherland, North-west Scotland. A. Moffat and R.E. Starkey. (2013), **16**, 64–67.

Volume 17 (2014)

Editorial: M. Southwood. (2014), **17**, 2.

Errata. (2014), **17**, 2.

Articles and Notes

- Matthew Forster Heddle (1828–1897), Scottish mineralogist: His life story. H.H. Johnston. (2014), **17**, 3–15.
- Gonnardite from an alkaline syenite pegmatite at Allt a' Mhullin Quarry, Assynt, Sutherland, Scotland. S. Moreton. (2014), **17**, 15–17.

- Supergene manganese mineralisation at Gyrn Ddu and Bwlch Mawr, Clynnog-Fawr, Caernarfon, Gwynedd, Wales. T.F. Cotterell and M.S. Rumsey. (2014), **17**, 17–23.
- Ganophyllite-group minerals from the manganese mines at Rhiw, Pen Llŷn, Gwynedd, Wales, including the first British occurrences of eggletonite and tamaite, and evidence for a barium analogue. T.F. Cotterell, A.G. Tindle and R. Tayler. (2014), **17**, 24–30.
- Kinoshitalite from Bennalt Manganese Mine, Rhiw, Pen Llŷn, Gwynedd, Wales: a first British occurrence. A. Dyer, D.I. Green and C.D. Williams. (2014), **17**, 30–32.
- Elyite from a Roman lead smelter near Llancynfelyn, Central Wales. J.S. Mason. (2014), **17**, 32–35.
- The mineralogy of Pim Hill Mine, Shropshire, with a study of mottramites. R.S.W. Braithwaite, D.I. Green and J.I. Wilson. (2014), **17**, 35–39.
- The mineralogy of the Admiralty Concession Flat, Nentsberry Haggs Mine, Nenthead, Cumbria. T.F. Bridges, F. Bouweraerts and H. Wilkinson. (2014), **17**, 40–50.
- Ankerite: its composition and formulae, and its status in the Northern Pennine Orefield. T.F. Bridges, D.I. Green and F. Ince. (2014), **17**, 51–56.
- Stibioclaudete, a first British occurrence from Wet Swine Gill, Caldbeck Fells, Cumbria. D.I. Green, A.G. Tindle, T. Neall and C.M. Leppington. (2014), **17**, 57–61.

Book Review

- *Crystal Mountains Minerals of the Cairngorms*. Roy Starkey, 2014 (D. Green). (2014), **17**, 61–64.

Volume 18 (2015)

Editorial: M. Southwood. (2015), **18**, 2.

Erratum. (2015), **18**, 2.

Obituary

- Trevor F. Bridges (R. Starkey). (2015), **18**, 3–5.

Articles and Notes

- An introduction to supergene mineral formation in an oxidising lead-, copper- and zinc-bearing ore deposit. T.F. Bridges. (2015), **18**, 5–16.
- Mineral deposition in a cavity in Smallcleugh Mine, Nenthead, Cumbria. T.F. Bridges and R. Starkey. (2015), **18**, 17–24.
- The history and occurrence of 'Buxton Diamonds' R. Starkey and J. Faithfull. (2015), **18**, 24–45.
- Amethyst from Scree Hill, Castle Douglas, Dumfries and Galloway, Scotland. S. Moreton, J. Lawson and R. Lawson. (2015), **18**, 45–47.
- Crookesite, Cu_7TlSe_4 , from Littleham Cove, Devon: the first mineral containing essential thallium from the British Isles. M.S. Rumsey, I. Dossett, D.I. Green, J. Najorka and J. Spratt. (2015), **18**, 48–52.

Book Review

- *Matthew Forster Hedde: mineralogist and mountaineer*. Hamish H. Johnston, 2015 (Roy Starkey). (2015), **18**, 53–55.

Volume 19 (2016)

Editorial: M. Southwood. (2016), **19**, 2.

Errata. (2016), **19**, 2.

Obituary

- Robert Fredrick Symes (R. Starkey). (2016), **19**, 3–6.

Articles and Notes

- The Gordon Collection - the Vicar, the Brewer and the Mineral Dealer. Roy Starkey. (2016), **19**, 7–23.
- Herderite-hydroxyherderite series minerals from Chywoon Quarry, Cornwall. Tom F. Cotterell, Neil Hubbard and David Moulding. (2016), **19**, 24–27.
- A review of United Kingdom herderite localities attributed to Arthur Kingsbury. Mike S. Rumsey. (2016), **19**, 27–34.

- An occurrence of euhedral schulenbergitte at the Penberthy Croft Mine, Cornwall. John Betterton and Ian E. Grey. (2016), **19**, 34–35.
- The first occurrence of mandarinoite, $\text{Fe}_2(\text{SeO}_3)_3 \cdot 6\text{H}_2\text{O}$, in the British Isles, from cliffs near Ballybunion, Co. Kerry, Ireland. Mike S. Rumsey. (2016), **19**, 35–38.
- Segnitite from Weardale, County Durham. Brian Young and Adam Pacey. (2016), **19**, 39–42.
- Exhalative banded iron oxide mineralisation associated with Middle Ordovician pillow basalts from Cadair Idris, North Wales. John S. Mason. (2016), **19**, 42–50.

Volume 20 (2017)

Editorial: M. Southwood. (2017), **20**, 2.

Errata. (2017), **20**, 2.

Articles and Notes

- A review of the minerals associated with the igneous rocks of southwest Leicestershire. Francis Ince. (2017), **20**, 3–29.
- Spodumene from the Peatfold Pegmatite, Glen Buchat, Aberdeenshire – the first Scottish occurrence. Roy E. Starkey and Michael McMullen. (2017), **20**, 30–33.
- Jim Knight and his Mineral Collection. Alan Barnes, Peter J. Briscoe, John Chapman and David I. Green. (2017), **20**, 34–56.
- Magnetite mineralisation associated with The Great Whin Sill of Upper Teesdale, Northern Pennines. Brian Young. (2017), **20**, 57–64.

Volume 21 (2018)

Editorial: David Green and Malcolm Southwood. (2018), **21**, 2.

Erratum. (2018), **21**, 2.

Articles and Notes

- Brian Young and Andy Hopkirk. Late-stage hydrothermal mineralisation of the Whin Sill: a review. (2018), **21**, 4–16.
- Roy E. Starkey and Tom F. Cotterell. Millerite from Linton Quarry, Gorsley Common, Herefordshire. (2018), **21**, 17–20.
- Norman R. Moles. Andradite and magnetite in contact-metamorphosed chalk near Portmuck, Islandmagee, County Antrim. (2018), **21**, 21–26.
- Richard Bateman, Peter J. Briscoe, John Chapman, David I. Green and David McCallum. Mineralisation in the Coal Measures of Yorkshire and adjoining areas. (2018), **21**, 27–92.
- John S. Mason. The post-Acadian, Lower Palaeozoic hosted base-metal vein mineralisation of Snowdonia and the Llŷn Peninsula, North Wales. (2018), **21**, 93–105.
- John S. Mason, Martin Liezers and Tom F. Cotterell. Andradite-bearing skarn-like mineralisation and a suspected palaeogene dyke from Coed y Brenin, North Wales. (2018), **21**, 106–123.

Book Reviews

- *Minerals of the English Midlands*. Roy E. Starkey, 2018 (David Green). (2018), **21**, 124–126.
- *Mountain Movers: mining, sustainability and the agents of change*, 2015, Daniel M. Franks (Norman Moles). (2018), **21**, 127.

Volume 22 (2019)

Editorial: David Green. (2019), **22**, 2-5.

Papers

- Steve A. Rust. Enargite from Ladwash Mine, Eyam, Derbyshire. (2019), **22**, 6–10.
- Michael McMullen. Manganite from Laverockbraes, Grandhome, Aberdeen. (2019), **22**, 11–9.
- Michael McMullen. Wulfenite from Roar Hill, Ballater, Aberdeenshire: a new Scottish locality. (2019), **22**, 30–37.
- Stephen Moreton and Robert Lawson. Fluorite and associated minerals from Lettermuckoo Quarry, Connemara, Co. Galway. (2019), **22**, 38–42.

- Tom F. Cotterell, David I. Green, Andrew G. Tindle, Helen Kerbey and Ian Dossett. Barium-rich muscovite and hyalophane from Benallt Mine, Rhiw, Pen Llŷn, Gwynedd. (2019), **22**, 43–47.
- David I. Green, Tom F. Cotterell and Andrew G. Tindle. Barium substitution in muscovite with a comment on ganterite. (2019), **22**, 48–58.
- Roy E. Starkey and Chris Finch. Amazonite from Ben Loyal, Sutherland, Scotland. (2019), **22**, 59–76.
- David I. Green, C. Mike Leppington and Tim Neall. The Smale Gill trials, Caldbeck Fells, Cumbria. (2019), **22**, 77–92.
- Brian Young and Andy Hopkirk. Smithsonite replacements of rugose corals from the Middle Fell area Alston, Cumbria. (2019), **22**, 93-95.
- Brian Young and Andy Hopkirk. Epimorphs and pseudomorphs after fluorite from the Northern Pennine Orefield. (2019), **22**, 96–104.

Book Reviews

- *Trésors de France – French Treasures – Fluorite*. Christophe Lucas, 2019 (Roy Starkey). (2019), **22**, 105.
- *Derbyshire Blue John*. The late Trevor Ford, 2019 (Richard Bateman). (2019), **22**, 106.