

# JOURNAL OF THE RUSSELL SOCIETY

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- *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.
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- 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 17<sup>th</sup> 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 clinotacamite, from Castletown Mine, Lochgilphead, Scotland. R.E. Starkey and N. Hubbard. (1998), **7-1**, 38–39.
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- 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.

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## VOLUME 7, PART 2 (2001)

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- 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.
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- 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.
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#### 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.

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- The manganese iron mineralisation of Burdell Gill, Caldbeck Fells, Cumbria, England. C.M. Leppington and T. Neall. (2003), **8-1**, 1–9.
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- 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.
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- *Minerals of Scotland: Past and Present*. A. Livingstone, 2002 (R.A. Howie). (2003), **8-1**, 40.

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- 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.

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- 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.
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- 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.
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- 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.
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- Mineralogical fraud - an appraisal of an unpublished manuscript by A.W.G. Kingsbury. T.F. Bridges. (2009), **12**, 27–32.
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- 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.
- Stibioclaudetite, 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*. 2014, Roy Starkey. (D. Green). (2014), **17**, 61–64.

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

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- 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,  $\text{Cu}_7\text{TlSe}_4$ , 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*. 2015, Hamish H. Johnston (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 schulenbergite 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)

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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.

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