
References

- Adams, C.J.D. (1976) Geochronology of the Channel Islands and adjacent French mainland. *Journal of the Geological Society of London*, 132, 233–50.
- Agrell, S.O. (1939) Adinoles of Dinas Head, Cornwall. *Mineralogical Magazine*, 25, 305–37.
- Agrell, S.O. (1941) Dravite-bearing rocks from Dinas Head, Cornwall. *Mineralogical Magazine*, 26, 81–93.
- Alderton, D.H.M. (1978) Fluid inclusion data for lead–zinc ores from S.W. England. *Transactions of the Institution of Mining and Metallurgy, Section B*, 87, B132–5.
- Alderton, D.H.M. (1979) Luxullianite in *situ* within the St Austell granite, Cornwall – a discussion. *Mineralogical Magazine*, 43, 441–2.
- Alderton, D.H.M. and Jackson, N.J. (1978) Discordant calc-silicate bodies from the St Just aureole, Cornwall. *Mineralogical Magazine*, 42, 427–34.
- Alderton, D.H.M., Pearce, J.A. and Potts, P.J. (1980) Rare earth element mobility during granite alteration: evidence from south-west England. *Earth and Planetary Science Letters*, 49, 149–65.
- Allman-Ward, P., Halls, C., Rankin, A.H. *et al.* (1982) An intrusive hydrothermal breccia body at Wheal Remfry in the western part of the St Austell granite pluton, Cornwall, England. In *Metallization Associated with Acid Magmatism*, (ed. A.M. Evans), Wiley, Chichester, pp. 1–28.
- Al-Turki, K.I. and Stone, M. (1978) Petrographic and chemical distinction between the megacrystic members of the Carnmenellis granite, Cornwall. *Proceedings of the Ussher Society*, 4, pp. 182–9.
- Amstutz, G.C. (ed.) (1974) *Spilites and Spilitic Rocks*, Springer-Verlag, Berlin, 482 pp.
- Andrews, D.S. and Power, G.M. (1984) Garnetiferous phosphatic nodules within the Upper Devonian–Carboniferous Transition Group, near Boscastle, north Cornwall. *Proceedings of the Ussher Society*, 6, 121–8.
- Backinski, S.W. and Scott, R.B. (1979) Rare-earth and other trace element contents and the origin of minettes (mica-lamprophyres). *Geochimica et Cosmochimica Acta*, 43, 93–100.
- Badham, J.P.N. (1980) Late magmatic phenomena in the Cornish batholith – useful field guides for tin mineralization. *Proceedings of the Ussher Society*, 5, 44–53.
- Badham, J.P.N. (1982) Strike-slip orogens – an explanation for the Hercynides. *Journal of the Geological Society of London*, 139, 495–506.
- Badham, J.P.N. and Kirby, G.A. (1976) Ophiolites and the generation of ocean crust: data from the Lizard Complex, Cornwall. *Bulletin de la Societe Geologique de France*, 7, 885–8.
- Ball, T.K. and Basham, I.R. (1979) Radioactive accessory minerals in granites from southwest England. *Proceedings of the Ussher Society*, 4, 437–48.
- Barnes, R.P. (1983) The stratigraphy of a sedimentary mélange and associated deposits in south Cornwall. *Proceedings of the Geologists' Association*, 94, 217–29.
- Barnes, R.P. (1984) Possible Lizard-derived material in the underlying Meneage Formation. *Journal of the Geological Society of London*, 141, 79–85.

- Barnes, R.P. and Andrews, J.R. (1981) Pumpellyite■actinolite grade regional metamorphism in S. Cornwall. *Proceedings of the Ussher Society*, 5, 139–46.
- Barnes, R.P. and Andrews, J.R. (1984) Hot or cold emplacement of the Lizard Complex? *Journal of the Geological Society of London*, 141, 37–9.
- Barnes, R.P. and Andrews, J.R. (1986) Upper Palaeozoic ophiolite generation and obduction in south Cornwall. *Journal of the Geological Society of London*, 143, 117–24.
- Barton, D.B. (1965) *A Guide to the Mines of West Cornwall*, 2nd edn, Bradford Barton Ltd, Truro.
- Behr, H.-J., Engel, W., Franke, W. *et al.* (1984) The Variscan belt in central Europe: main structures, geodynamic implications, open questions. *Tectonophysics*, 109, 15–40.
- Bonney, T.G. (1877a) On the microscopic structure of luxullianite. *Mineralogical Magazine*, 1, 215–21.
- Bonney, T.G. (1877b) On the serpentine and associated rocks of the Lizard district with notes on the chemical composition of some rocks in the Lizard district by W.H. Hudleston. *Quarterly Journal of the Geological Society of London*, 33, 884–928.
- Bonney, T.G. (1883) The hornblendic and other schists of the Lizard district, with some additions on the serpentine. *Quarterly Journal of the Geological Society of London*, 34, 1–24.
- Bonney, T.G. (1914) *The Crystalline Rocks of the Lizard. Some Notes on their History and Origin*. Cambridge.
- Bonney, T.G. and McMahon, C.A. (1891) Results of an examination of the crystalline rocks of the Lizard district. *Quarterly Journal of the Geological Society of London*, 47, 464–99.
- Booth, B. (1966) Petrogenesis of the Land's End granites. Unpublished Ph.D. thesis, University of Keele.
- Booth, B. (1967) Land's End granites and their relations to the granite system. *Nature, London*, 213, 896–7.
- Booth, B. (1968) Petrogenetic significance of alkali feldspar megacrysts and their inclusions in Cornubian granites. *Nature, London*, 217, 1036–8.
- Booth, B. and Exley, C.S. (1987) Petrological features of the Land's End granites. *Proceedings of the Ussher Society*, 6, 439–46.
- Bott, M.H.P. and Scott, P. (1964) Recent geophysical studies in south-west England. In *Present Views of some Aspects of the Geology of Cornwall and Devon*, (eds Hosking and G.J. Shrimpton), 150th Anniversary Volume, Royal Geological Society of Cornwall, pp. 25–44.
- Bott, M.H.P., Day, A.A. and Masson-Smith, D. (1958) The geological interpretation of gravity and magnetic surveys in Devon and Cornwall. *Philosophical Transactions of the Royal Society of London*, A251, 161–91.
- Bott, M.H.P., Holder, A.P., Long, R.E. *et al.* (1970) Crustal structure beneath the granites of south-west England. In *Mechanism of Igneous Intrusion*, (eds G. Newall and N. Rast), Geological Journal Special Issue No. 2, pp. 93–102.
- Bowen, N.L. (1928) *The Evolution of the Igneous Rocks*. Princeton University Press, Princeton N.J., 332 pp.
- Brammall, A. (1926) The Dartmoor granite. *Proceedings of the Geologists' Association*, 37, 251–77.
- Brammall, A. and Harwood, H.F. (1923) The Dartmoor granite: its mineralogy, structure and petrology. *Mineralogical Magazine*, 20, 39–53.

- Brammall, A. and Harwood, H.F. (1925) Tourmalinization in the Dartmoor granite. *Mineralogical Magazine*, 20, 319–30.
- Brammall, A. and Harwood, H.F. (1927) The temperature-range of formation for tourmaline, rutile, brookite and anatase in the Dartmoor granite. *Mineralogical Magazine*, 21, 205–20.
- Brammall, A. and Harwood, H.F. (1932) The Dartmoor granites: their genetic relationships. *Quarterly Journal of the Geological Society of London*, 88, 171–237.
- Bray, C.J. (1980) Mineralisation, greisenisation and kaolinisation at Goonbarrow china clay pit, Cornwall, UK. Unpublished D.Phil. thesis, University of Oxford.
- Brazier, S., Robinson, D. and Matthews, S.C. (1979) Studies of illite crystallinity in southwest England; some preliminary results and their geological setting. *Neues Jahrbuch für Geologie and Paläontologie Monatshefte*, 11, 641–62.
- British Institutions Reflection Profiling Syndicate (BIRPS) and Etude de la Croute Continentale et Oceanique par reflection et refraction sismique (ECORS). (1986) Deep seismic reflection profiling between England, France and Ireland. *Journal of the Geological Society of London*, 143, 45–52.
- Bristow, C.M. (1977) A review of the evidence for the origin of the kaolin deposits in S.W. England. *Proceedings of the 8th International Kaolin Symposium and Meeting on Alunite*, Madrid–Rome, pp. 7–19.
- Bristow, C.M. (1987) World kaolin: genesis, exploitation and application. *Industrial Minerals*, July, 1987.
- Bristow, C.M. (1988) Ball clays, weathering and climate. *Proceedings of the 24th Forum on the Geology of Industrial Minerals*. South Carolina Geological Survey, Columbia, South Carolina, pp. 25–38.
- Bristow, C.M. In press. The genesis of the china clays of south-west England – a multi-stage story. *Special Publication, Clay Minerals Society of America*.
- Bristow, C.M. and Scrivener, R.C. (1984) The stratigraphy and structure of the Lower New Red Sandstone of the Exeter district. *Proceedings of the Ussher Society*, 6, 68–74.
- Bristow, C.M., Exley, C.S., Highley, D.E. *et al.* In press. Kaolin and kaolinitic clays of Britain. *Research Report, British Geological Survey*.
- Bromley, A.V. (1973) The sequence of emplacement of basic dykes in the Lizard Complex, south Cornwall. *Proceedings of the Ussher Society*, 2, p. 508.
- Bromley, A.V. (1976) A new interpretation of the Lizard Complex, south Cornwall in the light of the ocean crust model. *Proceedings of the Geological Society of London*, 132, p. 114.
- Bromley, A.V. (1979) Ophiolitic origin of the Lizard Complex. *Journal of the Camborne School of Mines*, 79, 25–38.
- Bromley, A.V. (1989) Field guide – the Cornubian orefield. *6th International Symposium on Water–Rock Interaction, Malvern (UK)*. International Association of Geochemistry and Cosmochemistry, Camborne School of Mines, 111 pp.
- Bromley, A.V. and Holl, J. (1986) Tin mineralization in south-west England. In *Mineral Processing at a Crossroads*, (eds B.A. Wills and R.W. Barley), NATO ASI Series, Series E: Applied Sciences No. 117. Martinus Nijhoff Publishers, pp. 195–262.
- Brooks, M., Doody, J.J. and Al-Rawi, F.R.J. (1984) Major crustal reflectors beneath SW England. *Journal of the Geological Society of London*, 141, 97–103.
- Brooks, M., Mechie, J. and Llewellyn, D.J. (1983) Geophysical investigations in the Variscides of south-west Britain. In *The Variscan fold belt in the British Isles*, (ed. P.L. Hancock), Adam Hilger, Bristol, pp. 186–97.

- Burton, C.J. and Tanner, P.W.G. (1986) The stratigraphy and structure of the Devonian rocks around Liskeard, east Cornwall, with regional implications. *Journal of the Geological Society of London*, 143, 95–105.
- Butcher, N.E. (1958) The Culm igneous suite near Tavistock, west Devonshire. *Abstracts of the Proceedings of the Conference of Geologists and Geomorphologists in the Southwest of England*, Exeter (1958), pp. 21–3.
- Butcher, N.E. (1982) Megacrysts in volcanic rocks from Pius Cleave Quarry, near Tavistock. *Proceedings of the Ussher Society*, 5, p. 392.
- Butler, F.H. (1908) Kaolinization and other changes in west of England rocks. *Mineralogical Magazine*, 15, 128–46.
- Champernowne, A. (1889) On the Ashprington Volcanic Series. *Quarterly Journal of the Geological Society of London*, 45, 369–79.
- Chandler, P. and Isaac, K.P. (1982) The geological setting, geochemistry and significance of Lower Carboniferous basic volcanic rocks in central south-west England. *Proceedings of the Ussher Society*, 5, 279–88.
- Chandler, P., Davey, R.F., Durrance, E.M. *et al.* (1984) A gravity survey of the Polyphant ultrabasic complex. *Proceedings of the Ussher Society*, 6, 116–20.
- Chappell, B.W. and White, A.J.R. (1974) Two contrasting granite types. *Pacific Geology*, 8, 173–4.
- Charoy, B. (1979) Definition et importance des phenomenes deuteriques et des fluides associes dans les granites: consequences metallogeniques. *Sciences de la Terre, Memoire*, 37, 364 pp.
- Charoy, B. (1981) Post-magmatic processes in south-west England and Brittany. *Proceedings of the Ussher Society*, 5, 101–15.
- Charoy, B. (1982) Tourmalinization in Cornwall, England. In *Metallization Associated with Acid Magmatism*, (ed. A.M. Evans), Wiley, Chichester, pp. 63–70.
- Charoy, B. (1986) The genesis of the Cornubian batholith (south-west England): the example of the Carnmenellis granite. *Journal of Petrology*, 27, 571–604.
- Chaudhry, M.N. and Howie, R.A. (1973) Lithium–aluminium micas from the Meldon aplite. *Mineralogical Magazine*, 39, 289–96.
- Chaudhry, M.N. and Howie, R.A. (1976) Lithium tourmaline from . the Meldon aplite, Devonshire, England. *Mineralogical Magazine*, 40, 747–51.
- Chauris, L, Souet, J. and Zimmermann, J.L. (1969) Etudes geochronologiques et geotectoniques dans le Nord-Finistere. *Science de la Terre*, 14(4), 329–58.
- Chayes, F. (1955) Modal composition of two facies of the Carnmenellis granite. *Geological Magazine*, 92, 364–6.
- Chesher, J.A. (1968) The geology of the middle Teign valley. *Proceedings of the Ussher Society*, 2, 15–17.
- Chesher, J.A. (1969) The geology of the middle Teign valley. Unpublished Ph.D. Thesis, University of Exeter.
- Chinner, G.A. and Fox, J.S. (1974) The origin of cordierite–anthophyllite rocks in the Land's End aureole. *Geological Magazine*, 111, 397–408.
- Collins, J.H. (1878) *The Hensbarrow Granite District: a Geological Description and Trade History*. Lake and Lake, Truro.
- Collins, J.H. (1887) On the nature and origin of clays: the composition of kaolinite. *Mineralogical Magazine*, 7, 205–14.

- Collins, J.H. (1909) Geological features visible at the Carpalla china clay pit. *Quarterly Journal of the Geological Society of London*, 65, 155–61.
- Collins, J.H. and Coon, J.M. (1914) On the topaz rock of St Mewan Beacon, Cornwall. *Transactions of the Royal Geological Society of Cornwall*, 15, 43–54.
- Conybeare, J.J. (1817) Memoranda relative to the porphyritic veins etc. of St Agnes in Cornwall. *Transactions of the Geological Society of London*, 4, p. 401.
- Coon, J.M. (1911) China clay. *Transactions of the British Ceramic Society*, 10, 81–92.
- Coon, J.M. (1913a) China stone. *Transactions of the British Ceramic Society*, 12, 227–38.
- Coon, J.M. (1913b) On china stone, Cornish stone or petuntzite. *Transactions of the Royal Geological Society of Cornwall*, 13, 561–72.
- Cosgrove, M.E. (1972) The geochemistry of potassium-rich Permian volcanic rocks of Devonshire, England. *Contribution to Mineralogy and Petrology*, 36, 155–70.
- Cosgrove, M.E. and Elliott, M.H. (1976) Supra-batholithic volcanism of the southwest England granites. *Proceedings of the Ussher Society*, 3, 391–401.
- Cosgrove, M.E. and Hamilton, N. (1973) Geochemical and preliminary palaeomagnetic results of the Lemail lamprophyre, Wadebridge, Cornwall. *Proceedings of the Ussher Society*, 2, p. 482.
- Coward, M.P. and McClay, K.R. (1983) Thrust tectonics of S. Devon. *Journal of the Geological Society of London*, 140, 215–28.
- Dangerfield, J. and Hawkes, J.R. (1969) Unroofing of the Dartmoor granite and possible consequences with regard to mineralization. *Proceedings of the Ussher Society*, 2, 122–31.
- Dangerfield, J. and Hawkes, J.R. (1981) The Variscan granites of S.W. England: additional information. *Proceedings of the Ussher Society*, 5, 116–20.
- Dangerfield, J., Hawkes, J.R. and Hunt, E.C. (1980) The distribution of lithium in the St Austell granite. *Proceedings of the Ussher Society*, 5, 76–80.
- Darbyshire, D.P.F. and Shepherd, T.J. (1985) Chronology of granite magmatism and associated mineralization, S.W. England. *Journal of the Geological Society of London*, 142, 1159–77.
- Darbyshire, D.P.F. and Shepherd, T.J. (1987) Chronology of magmatism in south-west England: the minor intrusions. *Proceedings of the Ussher Society*; 6, 431–8.
- Davies, G.R. (1984) Isotopic evolution of the Lizard Complex. *Journal of the Geological Society of London*, 141, 3–14.
- Day, G.A. and Williams, C.A. (1970) Gravity compilation in the N.E. Atlantic and interpretation of gravity in the Celtic Sea. *Earth and Planetary Science Letters*, 8, 205–13.
- de Albuquerque, C.A.R. (1971) Petrochemistry of a series of granitic rocks from northern Portugal. *Bulletin of the Geological Society of America*, 82, 2783–98.
- Dearman, W.R. (1959) The structure of the Culm Measures at Meldon, near Okehampton, North Devon. *Quarterly Journal of the Geological Society of London*, 115, 65–106.
- Dearman, W.R. (1962) *Dartmoor – the North-West Margin and Other Selected Areas*. Geologists' Association Guide, 33, Benham and Co. Ltd, Colchester.

- Dearman, W.R. (1963) Wrench-faulting in Cornwall and south Devon. *Proceedings of the Geologists' Association*, 74, 265–87.
- Dearman, W.R. (1969) An outline of the structural geology of Cornwall. *Proceedings of the Geological Society of London*, 1654, 33–9. Dearman, W.R. (1971) A general view of the structure of Cornubia. *Proceedings of the Ussher Society*, 2, 220–36.
- Dearman, W.R. and Butcher, N.E. (1959) Geology of the Devonian and Carboniferous rocks of the N.W. border of the Dartmoor granite. *Proceedings of the Geologists' Association*, 70, 51–92.
- Dearman, W.R., Leveridge, B.E. and Turner, R.G. (1969) Structural sequences and the ages of slates and phyllites from south-west England. *Proceedings of the Geological Society of London*, 1654, 41–5.
- Dearman, W.R., Freshney, E.C., King, A.F. *et al.* (1970) *The North Coast of Cornwall*. Geologists' Association Guide, 10, Benham and Co. Ltd, Colchester.
- De la Beche, H.T. (1839) *Report on the Geology of Cornwall, Devon and West Somerset*. Memoir of the Geological Survey of Great Britain. Longman, Orme, Brown, Green and Longmans, London, 648 pp.
- Dewey, H. (1914) The geology of north Cornwall. *Proceedings of the Geologists' Association*, 25, 154–79.
- Dewey, H. (1915) On the spilosites and adinoles from north Cornwall. *Transactions of the Royal Geological Society of Cornwall*, 15, 71–84.
- Dewey, H. and Flett, J.S. (1911) On some British pillow lavas and the rocks associated with them. *Geological Magazine*, 48, 202–9 and 241–8.
- Dineley, D. (1966) The Dartmouth Beds of Bigbury Bay, south Devon. *Quarterly Journal of the Geological Society of London*, 122, 187–217.
- Dineley, D. (1986) Cornubian quarter-century: advances in the geology of south-west England, 1960–1985. *Proceedings of the Ussher Society*, 6, 275–90.
- Dodson, M.H. and Rex, D.C. (1971) Potassium–argon ages of slates and phyllites from southwest England. *Quarterly Journal of the Geological Society of London*, 126 (for 1970), 465–99.
- Duddridge, G.A. (1988) Metasomatic tourmaline at Cape Cornwall, Land's End. *Proceedings of the Ussher Society*, 7, 93–4.
- Durrance, E.M. (1985a) Lower Devonian igneous rocks of south Devon: implications for Variscan plate tectonics. *Proceedings of the Ussher Society*, 6, 205–10.
- Durrance, E.M. (1985b) A possible major Variscan thrust along the southern margin of the Bude Formation, south-west England. *Proceedings of the Ussher Society*, 6, 173–9.
- Durrance, E.M. and Bristow, C.M. (1986) Kaolinization and isostatic readjustment in southwest England. *Proceedings of the Ussher Society*, 6, 318–22.
- Durrance, E.M. and Laming, D.J.C. (eds) (1982) *The Geology of Devon*. University Press, Exeter, 346 pp.
- Durrance, E.M., Bromley, A.V., Bristow, C.M. *et al.* (1982) Hydrothermal circulation and post-magmatic changes in granites of south-west England. *Proceedings of the Ussher Society*, 5, 304–20.
- Edmonds, E.A., McKeown, M.C. and Williams, M. (1969) *British Regional Geology: South-West England*, 3rd edn. Institute of Geological Sciences, HMSO, London.

- Edmonds, E.A., Wright J.E., Beer, K.E. *et al.* (1968) *Geology of the Country around Okehampton* (Sheet 324). Memoir of the Geological Survey of Great Britain, HMSO, London.
- Edmondson, K.M. (1970) A study of the alkali feldspars from some S.W. England granites. Unpublished M.Sc. thesis, University of Keele.
- Edmunds, W.M., Andrews, J.N., Burgess, W.G. *et al.* (1984) The evolution of saline and thermal groundwaters in the Carnmenellis granite. *Mineralogical Magazine*, 48, 407–24.
- Edwards, J.W.F. (1984) Interpretation of seismic and gravity surveys over the eastern part of the Cornubian platform. In *Variscan Tectonics of the North Atlantic Region*, (eds D.H.W. Hutton and D.J. Sanderson), Special Publication of the Geological Society of London, No. 14, pp. 119–24.
- Embrey, P.G. and Symes, R.F. (1987) *Minerals of Cornwall and Devon*. British Museum (Natural History), London.
- Emmerman, R. (1977) A petrogenetic model for the origin and evolution of the Hercynian Granite Series of the Schwarzwald. *Neues Jahrbuch für Geologie und Paläontologie Abhandlungen*, 128, 219–53.
- Eskola, P. (1914) On the petrology of the Orijarvi region in south-western Finland. *Bullétin de la Commission Géologique de Finlande*, 40, 1–274.
- Exley, C.S. (1959) Magmatic differentiation and alteration in the St Austell granite. *Quarterly Journal of the Geological Society of London*, 114, 197–230.
- Exley, C.S. (1964) Some factors bearing on the natural synthesis of clays in the granites of south-west England. *Clay Minerals Bulletin*, 5, 411–26.
- Exley, C.S. (1965) Some structural features of the Bodmin Moor granite mass. *Proceedings of the Ussher Society*, 1, 157–9.
- Exley, C.S. (1966) The granitic rocks of Haig Fras. *Nature, London*, 210, 365–7.
- Exley, C.S. (1976) Observations on the formation of kaolinite in the St Austell granite. *Clay Minerals*, 11, 51–63.
- Exley, C.S. and Stone, M. (1964) The granitic rocks of south-west England. In *Present Views of some Aspects of the Geology of Cornwall and Devon*, (eds K.F.G. Hosking and G.J. Shrimpton), 150th Anniversary Volume, Royal Geological Society of Cornwall, pp. 131–84.
- Exley, C.S. and Stone, M. (1982) Hercynian intrusive rocks: petrogenesis. In *Igneous Rocks of the British Isles*, (ed. D.S. Sutherland), Wiley, Chichester, pp. 311–20.
- Exley, C.S., Stone, M. and Floyd, P.A. (1983) Composition and petrogenesis of the Cornubian granite batholith and post-orogenic volcanic rocks in south-west England. In *The Variscan Fold Belt in the British Isles* (ed. P.L. Hancock), Adam Hilger, Bristol, pp. 153–77.
- Exley, C.S., Stone, M. and Lees, G.J. (1982) Petrology of the granites and minor intrusions. In *Igneous Rocks of the British Isles*, (ed. D.S. Sutherland), Wiley, Chichester, pp. 293–302.
- Fehn, U., Cathles, L.M. and Holland, H.D. (1978) Hydrothermal convection and uranium deposits in abnormally radioactive plutons. *Economic Geology*, 73, 1556–66.
- Flett, J.S. (1903) Petrography of W. Cornwall. In *Geological Survey of Great Britain, Summary of Progress*, pp. 150–62.
- Flett, J.S. (1946) *Geology of the Lizard and Meneage* (Sheet 359). Memoir of the Geological Survey of Great Britain, 2nd edn, HMSO, London.

- Flett, J.S. and Hill, J.B. (1912) *Geology of the Lizard and Meneage* (Sheet 359). Memoir of the Geological Survey of Great Britain, 1st edn, HMSO, London.
- Floyd, P.A. (1965) Metasomatic hornfels of the Land's End aureole at Tater-du, Cornwall. *Journal of Petrology*, 6, 223–45.
- Floyd, P.A. (1966a) Greenstone sills and metamorphic zoning in the Land's End aureole at Newlyn, Cornwall. *Proceedings of the Ussher Society*, 1, 252–6.
- Floyd, P.A. (1966b) Distribution and mobility of fluorine in contact metamorphosed and metasomatized hornfels. *Nature, London*, 212, 676–8.
- Floyd, P.A. (1967) The role of hydration in the spatial distribution of metasomatic cations in the Land's End aureole, Cornwall. *Chemical Geology*, 2, 147–56.
- Floyd, P.A. (1975) Exotic hornfels from the Land's End aureole. *Geological Magazine*, 112, 315–9.
- Floyd, P.A. (1976) Geochemical variation in the greenstones of S.W. England. *Journal of Petrology*, 17, 522–45.
- Floyd, P.A. (1982a) Chemical variation in Hercynian basalts relative to plate tectonics. *Journal of the Geological Society of London*, 139, 505–20.
- Floyd, P.A. (1982b) The Hercynian trough: Devonian and Carboniferous volcanism in south-western Britain. In *Igneous Rocks of the British Isles*, (ed. D.S. Sutherland), Wiley, Chichester, pp. 227–42.
- Floyd, P.A. (1982c) Introduction: geological setting of Upper Palaeozoic magmatism. In *Igneous Rocks of the British Isles*, (ed. D.S. Sutherland), Wiley, Chichester, pp. 217–25.
- Floyd, P.A. (1983) Composition and petrogenesis of the Lizard Complex and pre-orogenic basaltic rocks in southwest England. In *The Variscan Fold Belt in the British Isles*, (ed. P.L. Hancock), Adam Hilger, Bristol, pp. 130–52.
- Floyd, P.A. (1984) Geochemical characteristics and comparison of the basic rocks of the Lizard Complex and the basaltic lavas within the Hercynian troughs of SW England. *Journal of the Geological Society of London*, 141, 61–70.
- Floyd, P.A. and Al-Samman, A.H. (1980) Primary and secondary chemical variation exhibited by some west Cornish volcanic rocks. *Proceedings of the Ussher Society*, 5, 68–75.
- Floyd, P.A. and Fuge, R. (1973) Distribution of F and Cl in some contact and regionally metamorphosed Cornish greenstones. *Proceedings of the Ussher Society*, 2, 483–8.
- Floyd, P.A. and Lees, G.J. (1972) Preliminary petrological and geochemical data on the Cudden Point greenstone. *Proceedings of the Ussher Society*, 2, 421–3.
- Floyd, P.A. and Leveridge, B.E. (1987) Tectonic environment of the Devonian Gramscatho basin, south Cornwall: framework mode and geochemical evidence from turbiditic sandstones. *Journal of the Geological Society of London*, 144, 531–42.
- Floyd, P.A. and Rowbotham, G. (1979) Chemical composition of relict clinopyroxenes from the Mullion Island lavas, Cornwall. *Proceedings of the Ussher Society*, 4, 419–29.
- Floyd, P.A. and Rowbotham, G. (1982) Chemistry of primary and secondary minerals in titaniferous brown amphibole-bearing greenstones from north Cornwall. *Proceedings of the Ussher Society*, 5, 296–303.
- Floyd, P.A., Exley, C.S. and Stone, M. (1983) Variscan magmatism in south-west England – discussion and synthesis. In *The Variscan Fold Belt in the British Isles*, (ed. P.L. Hancock), Adam Hilger, Bristol, pp. 178–85.

- Floyd, P.A., Lees, G.J. and Parker, A. (1976) A preliminary geochemical twist to the Lizard's new tale. *Proceedings of the Ussher Society*, 3, 414–25.
- Foster, C. Le Neve (1877) Remarks on some tin lodes in the St Agnes district. *Transactions of the Royal Geological Society of Cornwall*, 9, 205–19.
- Fox, H. (1888) On the gneissic rocks of the Lizard; with notes on the specimens, by J.J.H. Teall. *Quarterly Journal of the Geological Society of London*, 44, 309–17.
- Fox, H. (1893) Mullion Island. *Journal of the Royal Institute of Cornwall*, 12, 34–41.
- Fox, H. (1895) On a soda feldspar rock at Dinas Head, north coast of Cornwall. *Geological Magazine*, 2, 13–20.
- Fox, H. and Teall, J.J.H. (1893) On the radiolarian chert from Mullion Island. *Quarterly Journal of the Geological Society of London*, 49, 211–20.
- Fox, H. and Somervail, A. (1888) On the occurrence of porphyritic structure in some rocks of the Lizard district. *Geological Magazine*, 5, 74–7.
- Francis, H. (1970) Review of Carboniferous volcanism in England and Wales. *Journal of Earth Science, Leeds*, 8, 41–56.
- Franke, W. (1989) Tectonostratigraphic units in the Variscan belt of central Europe. In *Terranes in the Circum-Atlantic Palaeozoic Orogens*, (ed. R.D. Dallmeyer), Geological Society of America, Special Paper, No. 230, pp. 67–90.
- Franke, W. and Engel, W. (1982) Variscan sedimentary basins on the continent and relations with SW England. *Proceedings of the Ussher Society*, 5, 259–69.
- Freshney, E.C. and Taylor, R.T. (1972) The Upper Carboniferous stratigraphy of north Cornwall and west Devon. *Proceedings of the Ussher Society*, 2, 464–71.
- Freshney, E.C., McKeown, M.C. and Williams, M. (1972) *Geology of the Coast between Tintagel and Bude* (Sheet 233). Memoir of the Geological Survey of Great Britain, HMSO, London.
- Freshney, E.C., Edmonds, E.A., Taylor, R.T. *et al.* (1979) *Geology of the Country around Bude and Bradworthy* (Sheet 322). Memoir of the Geological Survey of Great Britain, HMSO, London.
- Frey, F.A. (1969) Rare earth abundances in a high-temperature peridotite intrusion. *Geochimica et Cosmochimica Acta*, 33, 1429–77.
- Frey, F.A. (1984) Rare earth element abundances in upper mantle rocks. In *Rare Earth Element Geochemistry*, (ed. P. Henderson), Elsevier, Amsterdam, 153–203.
- Gauss, G.A. and House, M.R. (1972) The Devonian successions in the Padstow area, north Cornwall. *Journal of the Geological Society of London*, 128, 151–72.
- George, M.C., Stone, M., Fejer, E.E. *et al.* (1981) Triplite from the Megiliggarr Rocks, Cornwall. *Mineralogical Magazine*, 44, 236–8.
- Georget, Y., Matineau, F. and Capdevila, R. (1986) Age tardi-Hercynian et origine crustale du granite de Brignogau (Finistère, France). Conséquences sur l'interprétation des granites Nord-armoricains. *Comptes Rendus des Séances de l'Académie des Sciences Paris*, 302, Serie II, no. 5, 237–42.
- Gerrard, A.J.W. (1974) The geomorphological importance of jointing in the Dartmoor granite. In *Progress on Geomorphology*, (eds E.H. Brown and R.S. Waters), Institution of British Geographers Special Publication, No. 7, pp.
- Ghosh, P.K. (1927) Petrology of the Bodmin Moor granite (eastern part), Cornwall. *Mineralogical Magazine*, 21, 285–309.

- Ghosh, P.K. (1934) The Carnmenellis granite: its petrology, metamorphism and tectonics. *Quarterly Journal of the Geological Society of London*, 90, 240–76.
- Goldring, R. (1962) The bathyal lull: Upper Devonian and Lower Carboniferous sedimentation in the Variscan geosyncline. In *Some Aspects of the Variscan Fold Belt*, (ed. K. Coe), Manchester University Press, Manchester, pp. 75–91.
- Goode, A.J.J. (1973) The mode of intrusion of Cornish elvans. *Report of the Institute of Geological Sciences*, 73/7, 8 pp.
- Goode, A.J.J. and Merriman, R.J. (1987) Evidence of crystalline basement west of the Land's End granite, Cornwall. *Proceedings of the Geologists' Association*, 98, 39–43.
- Goode, A.J.J. and Taylor, R.T. (1980) Intrusive and pneumatolytic breccias in south-west England. *Report of the Institute of Geological Sciences*, 80/2, 23 pp.
- Goode, A.J.J., Hawkes, J.R., Dangerfield, J. *et al.* (1987) The geology, petrology and geophysics of the Land's End, Tregonning–Godolphin and St Michael's Mount Variscan granites. *British Geological Survey Open File Report*, HMSO, London.
- Goode, A.J.J. and Taylor, R.T. (1988) *Geology of the Country around Penzance* (Sheet 358). Memoir of the British Geological Survey.
- Grainger, P. and Witte, G. (1981) Clay mineral assemblages of Namurian shales in Devon and Cornwall. *Proceedings of the Ussher Society*, 5, 168–78.
- Green, D.H. (1964a) Petrogenesis of the high-temperature peridotite intrusion in the Lizard area, Cornwall. *Journal of Petrology*, 5, 13488.
- Green, D.H. (1964b) Metamorphic aureole of the peridotite at the Lizard, Cornwall. *Journal of Geology*, 72, 543–63.
- Green, D.H. (1964c) A re-study and re-interpretation of the geology of the Lizard peninsula, Cornwall. In *Present Views on Some Aspects of the Geology of Cornwall and Devon*, (eds K.F.G. Hosking and G.J. Shrimpton), Transactions of the Royal Geological Society of Cornwall, 150th Anniversary Volume, pp. 87–144.
- Grimmer, S. and Floyd, P.A. (1986) Geochemical features of Permian rift volcanism – a comparison of Cornubian and Oslo basic volcanics. *Proceedings of the Ussher Society*, 6, 352–9.
- Grosser, J. and Dorr, W (1986) MOR-typ-basalte im ostlichen Rheinischen Schiefergebirge. *Neues Jahrbuch fur Geologie and Paläontologie Monatshefte*, 12, 705–22.
- Groves, A.W. (1931) The unroofing of the Dartmoor granite and the distribution of its detritus in the sediments of southern England. *Quarterly Journal of the Geological Society of London*, 87, 62–9.
- Hall, A. (1971) Greisenization in the granite of Cligga Head, Cornwall. *Proceedings of the Geologists' Association*, 82, 209–30.
- Hall, A. (1974) Granite porphyries in Cornwall. *Proceedings of the Ussher Society*, 3, 115–48.
- Hall, A. (1982) The Pendennis peralkaline minette. *Mineralogical Magazine*, 45, 257–66.
- Hall, A. (1988) The distribution of ammonium in granites from south-west England. *Journal of the Geological Society of London*, 145, 3741.
- Hall, A. and Jackson, N.J. (1975) Report of the Summer Field Meeting in west Cornwall. *Proceedings of the Geologists' Association*, 86, 95–102.

- Hall, S. (1930) The geology of the Godolphin granite. A study of the coastal geology between Perranuthnoe and Looe Pool. *Proceedings of the Geologists' Association*, 41, 117–47.
- Halls, C. (1987) A mechanistic approach to the paragenetic interpretation of mineral lodes in Cornwall. *Proceedings of the Ussher Society*, 6, 548–54.
- Hampton, C.M. and Taylor, P.N. (1983) The age and nature of the basement of southern Britain: evidence from Sr and Pb isotopes in granites. *Journal of the Geological Society of London*, 140, 499–509.
- Hancock, P.L. (ed.) (1983) *The Variscan fold belt in the British Isles*. Adam Hilger, Bristol, 217 pp.
- Hawkes, J.R. (1968) Igneous rocks and metamorphic aureole of the Dartmoor granite. In *Geology of the Country around Okehampton*, (eds E.A. Edmonds *et al.*), Memoir of the Geological Survey of the Great Britain, HMSO, London, pp. 134–43.
- Hawkes, J.R. (1974) Volcanism and metallogenesis: the tin province of south-west England. *Bullétin Volcanologique*, 38, 1125–46.
- Hawkes, J.R. (1981) A tectonic 'watershed' of fundamental consequence in the post-Westphalian evolution of Cornubia. *Proceedings of the Ussher Society*, 5, 128–31.
- Hawkes, J.R. (1982) The Dartmoor granite and later volcanic rocks. In *The Geology of Devon* (eds E.M. Durrance and D.J.C. Laming), University Press, Exeter, pp. 85–116.
- Hawkes, J.R. and Dangerfield, J. (1978) The Variscan granites of south-west England: a progress report. *Proceedings of the Ussher Society*, 4, 158–71.
- Hawkes, J.R., Harding, R.R. and Darbyshire, D.P.F. (1975) Petrology and Rb:Sr age of the Brannel, South Crofty and Wherry elvan dykes, Cornwall. *Bulletin of the Geological Survey of Great Britain*, 52, 27–42.
- Hawkes, J.R., Harris, P.M., Dangerfield, J. *et al.* (1987) The lithium potential of the St Austell Granite. *Report of the British Geological Survey*, 19(4), 54 pp.
- Hendricks, E.M.L. (1939) The Start–Dodman–Lizard boundary zone in relation to the Alpine structure of Cornwall. *Geological Magazine*, 76, 385–401.
- Hendricks, E.M.L., House, M.R. and Rhodes, F.H.T. (1971) Evidence bearing on the stratigraphical successions in south Cornwall. *Proceedings of the Ussher Society*, 2, 270–5.
- Henley, S. (1972) Petrogenesis of quartz-porphyry dykes in south-west England. *Nature, Physical Science*, 235, 95–7.
- Henley, S. (1974) Geochemistry and petrogenesis of elvan dykes in the Perranporth area, Cornwall. *Proceedings of the Ussher Society*, 3, 136–45.
- Henwood, W.J. (1838) *Granite of Cligga Head and the Elvan Course of the Same Neighbourhood*. 20th Annual Report of the Royal Institute of Cornwall, p. 29.
- Henwood, W.J. (1843) On the metalliferous deposits of Cornwall and Devon. *Transactions of the Royal Geological Society of Cornwall*, 5, 1–512.
- Hickling, G.H. (1908) China clay: its nature and origin. *Transactions of the Institution of Mining Engineers*, 36, 10–33.
- Higgs, R. (1984) Possible wave-influenced sedimentary structures in the Bude Formation (Westphalian), south-west England and their environmental implications. *Proceedings of the Ussher Society*, 6, 88–94.

- Hill, P.I. and Manning, D.A.C. (1987) Multiple intrusions and pervasive hydrothermal alteration in the St Austell granite, Cornwall. *Proceedings of the Ussher Society*, 6, 447–53.
- Hobson, D.M. (1977) Polyphase folds from the Start Complex. *Proceedings of the Ussher Society*, 4, 102–10.
- Holder, A.P. and Bott, M.H.P. (1971) Crustal structure in the vicinity of S.W. England. *Geophysical Journal of the Royal Astronomical Society*, 23, 465–89.
- Holder, M.T. and Leveridge, B.E. (1986) A model for the tectonic evolution of south Cornwall. *Journal of the Geological Society of London*, 143, 125–34.
- Holdsworth, R.E. (1989) The Start–Perranporth line: a Devonian terrane boundary in the Variscan Orogen of SW England. *Journal of the Geological Society of London*, 146, 419–21.
- Holmes, A. (1916) The origin of igneous rocks. *Science Progress*, 67–73.
- Holmes, A. (1932) The origin of igneous rocks. *Geological Magazine*, 69, 543–58.
- Holwill, F.J.W. (1966) Conglomerates, tuffs and concretionary beds in the Upper Devonian of Waterside Cove, near Goodrington Sands, Torbay. *Proceedings of the Ussher Society*, 1, 238–41.
- Hosking, K.F.G. (1964) Permo-Carboniferous and later primary mineralization of Cornwall and south-west Devon. In *Present Views of Some Aspects of the Geology of Cornwall and Devon*, (eds K.F.G. Hosking and G.J. Shrimpton), 150th Anniversary Volume, Royal Geological Society of Cornwall, pp. 201–45.
- Hosking, K.F.G. and Camm, G.S. (1985) The occurrence of cassiterite and other species of economic interest in the greisenized granite porphyry of Cameron Quarry, St Agnes, Cornwall. In *High Heat Production (HHP) Granites, Hydrothermal Circulation and Ore Genesis*, Institution of Mining and Metallurgy, 517–33.
- Hosking, K.F.G. and Shrimpton, G.J. (eds) (1964) *Present Views of Some Aspects of the Geology of Cornwall and Devon*. 150th Anniversary Volume, Royal Geological Society of Cornwall.
- House, M.R. (1963) Devonian ammonoid successions and facies in Devon and Cornwall. *Quarterly Journal of the Geological Society of London*, 119, 1–27.
- House, M.R. (1975) Facies and time in Devonian tropical areas. *Proceedings of the Yorkshire Geological Society*, 40, 233–88.
- Howe, J.A. (1914) *A Handbook to the Collection of Kaolin, China Clay and China Stone in the Museum of Practical Geology*. HMSO, London, 271 pp.
- Hutchins, P.F. (1963) The lower New Red Sandstone of the Crediton valley. *Geological Magazine*, 100, 107–28.
- Hutton, D.H.W. and Sanderson, D.J. (eds) (1984) *Variscan Tectonics of the North Atlantic Region*. Geological Society Special Publication, No. 14, Blackwell Scientific Publications, 270 pp.
- Institute of Geological Sciences (1982) I.G.S. boreholes 1980. *Report of the Institute of Geological Sciences*, 81/11, 12 pp.
- Isaac, K.P. (1981) The Hercynian geology of Lydford Gorge, NW Dartmoor and its regional significance. *Proceedings of the Ussher Society*, 5, 147–52.
- Isaac, K.P. (1982) Hercynian metamorphism in the Launceston–Tavistock area of SW England. *Journal of the Geological Society of London*, 139, 366–7.

- Isaac, K.P. (1985) Discussion of papers on the Hercynian back-arc marginal basin of SW England. *Journal of the Geological Society of London*, 142, 927–9.
- Isaac, K.P., Turner, P.J. and Stewart, I.J. (1982) The evolution of the Hercynides of central SW England. *Journal of the Geological Society of London*, 139, 521–31.
- Jackson, N.J. (1974) Grylls Bunny, a 'tin floor' at Botallack. *Proceedings of the Ussher Society*, 3, 186–8.
- Jackson, N.J. and Alderton, D.H.M. (1974) Discordant calc-silicate bodies in the Botallack area. *Proceedings of the Ussher Society*, 3, 123–8.
- Jackson, N.J., Moore, J.McM. and Rankin, A.H. (1977) Fluid inclusions and mineralisation at Cligga Head, Cornwall, England. *Journal of the Geological Society of London*, 134, 34350.
- Jackson, N.J., Halliday, A.N., Sheppard, S.M.F. *et al.* (1982) Hydrothermal activity in the St Just mining district, Cornwall, England. In *Metallization Associated with Acid Magmatism*, (ed. A.M. Evans), Wiley, Chichester, pp. 13979.
- Jackson, N.J., Willis-Richards, J., Manning, D.A.C. *et al.* (1989) Evolution of the Cornubian ore field, south-west England; Part II: Mineral deposits and ore-forming processes. *Economic Geology*, 84, 1101–33.
- Jahns, R.H. and Burnham, C.W. (1969) Experimental studies of pegmatite genesis. I: A model for the derivation and crystallization of granitic pegmatites. *Economic Geology*, 64, 843–64.
- Jahns, R.H. and Tuttle, O.F. (1963) Layered pegmatite–aplite intrusions. *Special Paper of the Mineralogical Society of America*, 1, 78–92.
- Jefferies, N.L. (1984) The radioactive accessory mineral assemblage of the Carnmenellis granite, Cornwall. *Proceedings of the Ussher Society*, 6, 35–41.
- Jefferies, N.L. (1985a) The origin of sillimanite-bearing pelitic xenoliths within the Carnmenellis pluton, Cornwall. *Proceedings of the Ussher Society*, 6, 229–36.
- Jefferies, N.L. (1985b) The distribution of the rare-earth elements in the Carnmenellis pluton, Cornwall. *Mineralogical Magazine*, 49, 495–504.
- Jefferies, N.L. (1988) The distribution of uranium in the Carnmenellis pluton, Cornwall. Unpublished Ph.D. Thesis, University of Exeter.
- Juteau, T. and Rocci, G. (1974) Vers une meilleure connaissance du problème des spilites à partir de données nouvelles sur le cortège spilito-keratophyrique Hercynotype. In *Spilites and Spilitic Rocks*, (ed. G.C. Amstutz), Springer-Verlag, Berlin, pp. 253329.
- Keeling, P.S. (1961) Cornish Stone. *Transactions of the British Ceramics Society*, 60, 390–426.
- Kingsbury, A.W.G. (1961) Beryllium minerals in Cornwall and Devon: helvine, genthelvite and danalite. *Mineralogical Magazine*, 32, 92140.
- Kingsbury, A.W.G. (1964) Some minerals of special interest in south-west England. In *Present Views of Some Aspects of the Geology of Cornwall and Devon*, (eds K.F.G. Hosking and G.J. Shrimpton), 150th Anniversary Volume, Royal Geological Society of Cornwall, pp. 247–66.
- Kingsbury, A.W.G. (1970) Meldon Aplite Quarry and Meldon (Railways) Quarry. In *Geological Highlights of the West Country*, (ed. W.A. Macfadyen), Butterworths, London, pp. 61–3.

- Kirby, G.A. (1978) Layered gabbros in the eastern Lizard, Cornwall and their significance. *Geological Magazine*, 115, 199–204.
- Kirby, G.A. (1979a) The petrochemistry of rocks of the Lizard Complex, Cornwall. Unpublished Ph.D. Thesis, University of Southampton.
- Kirby, G.A. (1979b) The Lizard Complex as an ophiolite. *Nature, London*, 282, 58–61.
- Kirby, G.A. (1984) The petrology and geochemistry of dykes of the Lizard Ophiolite Complex, Cornwall. *Journal of the Geological Society of London*, 141, 53–9.
- Knill, D.C. (1969) The Permian igneous rocks of Devon. *Bulletin of the Geological Survey of Great Britain*, 29, 115–38.
- Knill, D.C. (1982) Permian volcanism in southwestern England. In *Igneous rocks of the British Isles*, (ed. D.S. Sutherland), Wiley, Chichester, pp. 329–32.
- Knox, D.A. and Jackson, N.J. (1990) Composite granite intrusions of SW Dartmoor, Devon. *Proceedings of the Ussher Society*, 7, 246–50.
- Kossmat, F. (1927) Gliederung des varistischen Gebirgsbaues. *Abhandlungen des Sächsischen Geologischen Landesamts*, 1, 39 pp.
- Krebs, W. (1977) The tectonic evolution of Variscan Meso-Europe. In *Europe from Crust to Core*, (eds D.V. Ager and M. Brooks), Wiley, New York, pp. 119–42.
- Lacy, E.D. (1958) Some features of the contact aureole of the Land's End granite. *Abstracts of the Proceedings of the Conference of Geologists and Geomorphologists in the southwest of England, Exeter (1958)*, 14–19.
- Laming, D.J.C. (1966) Imbrication, palaeocurrents and other sedimentary features in the Lower New Red Sandstone, Devonshire, England. *Journal of Sedimentary Petrology*, 36, 94059.
- Laming, D.J.C. (1968) New Red Sandstone stratigraphy in Devon and west Somerset. *Proceedings of the Ussher Society*, 2, 23–5.
- Leake, R.C. and Styles, M.T. (1984) Borehole sections through the Traboe hornblende schists, a cumulate complex overlying the Lizard peridotite. *Journal of the Geological Society of London*, 141, 41–52.
- Leake, R.C., Styles, M.T. and Rollin, K.E. (1990) Exploration for vanadiferous magnetite and other minerals in the Lizard Complex. *Mineral Reconnaissance Programme Report, British Geological Survey*, 113.
- Leat, P.T., Thompson, R.N., Morrison, M.A. *et al.* (1987) Geodynamic significance of post-Variscan intrusive and extrusive potassic magmatism in SW England. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, 77, 349–60.
- Leech, J.G.C. (1929) St Austell detritals. *Proceedings of the Geologists' Association*, 40, 13946.
- Leeder, M.R. (1982) Upper Palaeozoic basins of the British Isles – Caledonide inheritance versus Hercynian plate margin processes. *Journal of the Geological Society of London*, 139, 479–91.
- Lees, G.J., Alderton, D.H.M., Pearce, J.A. and Exley, C.S. (1978) Rare earth elements in acid rocks of SW England. *Proceedings of the Ussher Society*, 4, p. 217 (abstract).
- Le Gall, B., Le Herisse, A. and Deunii, J. (1985) New palynological data from the Gramscatho Group at the Lizard front (Cornwall): palaeo-geographical and geodynamical implications. *Proceedings of the Geologists' Association*, 96, 237–53.

- Leveridge, B.E., Holder, M.T. and Day, G.A. (1984) Thrust nappe tectonics in the Devonian of south Cornwall and the western English Channel. In *Variscan Tectonics of the North Atlantic Region*, (eds D.H.W. Hutton and D.J. Sanderson), Geological Society Special Publication No. 14, Blackwell Scientific Publications, pp. 103–12.
- Leveridge, B.E. and Holder, M.T. (1985) Olistostromic breccias at the Mylor/Gramscatho boundary, south Cornwall. *Proceedings of the Ussher Society*, 6, 147–54.
- Linton, D.L. (1955) The problem of tors. *Geographical Journal*, 121, 470–87.
- Lister, C.J. (1978) Luxullianite in *situ* within the St Austell granite, Cornwall. *Mineralogical Magazine*, 42, 295–7.
- Lister, C.J. (1979a) Luxullianite in *situ* within the St Austell granite, Cornwall: a reply [to discussion by D.H.M. Alderton]. *Mineralogical Magazine*, 43, 442–3.
- Lister, C.J. (1979b) Quartz-cored tourmalines from Cape Cornwall and other areas. *Proceedings of the Ussher Society*, 4, 401–18.
- Lister, C.J. (1984) Xenolith assimilation in the granites of south-west England. *Proceedings of the Ussher Society*, 6, 46–53.
- Lorenz, V. and Nicholls, I.A. (1984) Plate and intraplate processes of Hercynian Europe during the Late Palaeozoic. *Tectonophysics*, 107, 25–56.
- Lowe, H.J. (1901) The sequence of the Lizard rocks. *Transactions of the Royal Geological Society of Cornwall*, 7, 438–66.
- Lowe, H.J. (1902) The sequence of the Lizard rocks. *Transactions of the Royal Geological Society of Cornwall*, 7, 507–34.
- MacDonald, R, Thorpe, R.S., Gaskarth, J.W. *et al.* (1985) Multi-component origin of Caledonian lamprophyres of northern England. *Mineralogical Magazine*, 49, 485–94.
- Mackenzie, D.M. (1972) The mineralogy and chemistry of axinite reaction veins cutting the Meldon Aplite. *Proceedings of the Ussher Society*, 2, 410–6.
- Malpas, J. and Langdon, G.S. (1987) The Kennack Gneisses of the Lizard Complex, Cornwall: partial melts produced during ophiolite emplacement. *Canadian Journal of Earth Sciences*, 24, 1966–73.
- Manning, D.A.C. (1979) An experimental study of the effect of fluorine, in addition to water, on crystallization in the system Qz–Ab–Or and its application to Cornish granitic rocks rich in fluorine. *Proceedings of the Ussher Society*, 4, 380–9.
- Manning, D.A.C. (1981) The application of experimental studies in determining the origin of topaz–quartz–tourmaline rock and tourmaline–quartz rock. *Proceedings of the Ussher Society*, 5, 121–7.
- Manning, D.A.C. (1982) An experimental study of the effects of fluorine on the crystallization of granitic melts. In *Metallization Associated with Acid Magmatism*, (ed. A.M. Evans), Wiley, Chichester, pp. 191–203.
- Manning, D.A.C. and Exley, C.S. (1984) The origins of late-stage rocks in the St Austell granite – a re-interpretation. *Journal of the Geological Society of London*, 141, 581–91.
- Marshall, B. (1962) The small structures of Start Point, south Devon. *Proceedings of the Ussher Society*, 1, 19–21.
- Matte, P. (1986) Tectonics and plate tectonics model for the Variscan belt of Europe. *Tectonophysics*, 126, 329–74.

- Matthews, S.C. (1977) The Variscan fold belt in south-west England. *Neues Jahrbuch für Geologie and Paläontologie Abhandlungen*, 154, 94–127.
- Matthews, S.C. (1978) Caledonian connections of Variscan tectonism. *Zeitschrift der Deutschen Geologischen Gesellschaft*, 129, 419–28.
- Matthews, S.C. (1981) A cross-section through south-west England. In *The Variscan Orogeny in Europe*, (eds H.J. Zwart and U.F. Dorsiepen), *Geologie en Mijnbouw*, 60, 145–8.
- McMahon, C.A. and Hutchings, W.M. (1895) Note on pseudo-spherulites. *Geological Magazine*, 2, 257–9.
- Middleton, G.V. (1960) Spilitic rocks in southeast Devonshire. *Geological Magazine*, 97, 192–207.
- Miller, J.A. and Mohr, P.A. (1964) Potassium–argon measurements on the granites and some associated rocks from south-west England. *Geological Journal*, 4, 105–26.
- Mitropoulos, P. (1982) REE patterns of the metasedimentary rocks of the Land's End granite aureole (SW England). *Chemical Geology*, 35, 265–80.
- Mitropoulos, P. (1984) REE distribution in the metabasic rocks of the Land's End granite aureole (SW England). *Mineralogical Magazine*, 48, 495–505.
- Moore, J.McM. and Jackson, N. (1977) Structure and mineralization in the Cligga granite stock, Cornwall. *Journal of the Geological Society of London*, 133, 467–80.
- Morton, R.D. and Smith, D.G.W. (1971) Differentiation and metasomatism within a Carboniferous spilite–keratophyre suite in SW England. *Mineralogical Society of Japan, Special Paper*, 1, 127–32.
- Osman, C.W. (1928) The granites of the Scilly Isles and their relation to the Dartmoor granites. *Quarterly Journal of the Geological Society of London*, 84, 258–92.
- Palmer, J. and Neilson, R.A. (1962) The origin of granite tors on Dartmoor, Devonshire. *Proceedings of the Yorkshire Geological Society*, 33, 315–40.
- Parker, A. (1970) Chemical and mineralogical analyses of some basic and ultrabasic rocks and their initial weathering products. *Reading University Geological Report*, 4, 1–44.
- Pearce, J.A., Harris, N.B.W. and Tindle, A.G. (1984) Trace element discrimination diagrams for the tectonic interpretation of granitic rocks. *Journal of Petrology*, 25, 956–83.
- Peucat, J.-J., Auvray, B., Hirbec, Y. *et al.* (1984) Granites et cisaillements Hercyniens dans le Nord du Massif Armorican: géochronologie Rb–Sr. *Bulléin de la Société Géologique de France*, 26(6), 1365–73.
- Phillips, F.C. (1928) Metamorphism in the Upper Devonian of north Cornwall. *Geological Magazine*, 65, 541–56.
- Phillips, F.C. (1964) Metamorphic rocks of the sea floor between Start Point and Dodman Point, SW England. *Journal of the Marine Biological Association of the United Kingdom*, 44, 655–63.
- Phillips, J.A. (1876) On the so-called 'Greenstones' of western Cornwall. *Quarterly Journal of the Geological Society of London*, 32, 155–79.
- Pichavant, M. (1979) Étude expérimentale a haute temperature et 1 kbar du role du bore dans quelques systèmes silicates. Interet pétrologique et métallogénique. *Thèse Docteur de Spécialité, 3è cycle*. L'Institut National Polytechnique de Lorraine.

- Pichavant, M. and Manning, D.A.C. (1984) Petrogenesis of tourmaline granites and topaz granites: the contribution of experimental data. *Physics of the Earth and Planetary Interiors*, 35, 31–50.
- Pinto, M.S. (1983) Geochronology of Portuguese granitoids: a contribution. *Studia Geologica Salamanticensia*, 18, 277–306.
- Pound, C.J. (1983) The sedimentology of the Lower–Middle Devonian Staddon Grits and Jennycliffe Slates on the east side of Plymouth Sound, Devon. *Proceedings of the Ussher Society*, 5, 465–72.
- Power, G.M. (1968) Chemical variation in tourmaline from south-west England. *Mineralogical Magazine*, 36, 1078–89.
- Primmer, T.J. (1982) Low-grade metamorphism of the Tintagel Volcanic Formation, SW England. *Journal of the Geological Society of London*, 139, p. 366 (abstract).
- Primmer, T.J. (1983a) Low-grade metamorphism of aluminous slates from Tintagel, S.W. England. *Journal of the Geological Society of London*, 140, p. 959 (abstract).
- Primmer, T.J. (1983b) Low-grade regional metamorphism across the Perranporth–Pentewan Line, Cornwall. *Proceedings of the Ussher Society*, 5, 421–7.
- Rathey, P.R. and Sanderson, D.J. (1984) The structure of S.W. Cornwall and its bearing on the emplacement of the Lizard Complex. *Journal of the Geological Society of London*, 141, 87–95
- Read, H.H. (1949) A contemplation of time in plutonism (Presidential Address). *Quarterly Journal of the Geological Society of London*, 105, 101–56.
- Reavy, R.J. (1989) Structural controls on metamorphism and syntectonic magmatism: the Portuguese Hercynian collision belt. *Journal of the Geological Society of London*, 146, 649–57.
- Reid, C. and Flett, J.S. (1907) *Geology of the Land's End District* (Sheets 351 and 358). Memoir of the Geological Survey of Great Britain, HMSO, London.
- Reid, C. and Dewey, H. (1908) The origin of the pillow lavas near Port Isaac in Cornwall. *Quarterly Journal of the Geological Society of London*, 64, 264–72.
- Reid, C. and Scrivenor, J.B. (1906) *The Geology of the Country near Newquay* (Sheet 346). Memoir of the Geological Survey of Great Britain, HMSO, London.
- Reid, C., Barrow, G. and Dewey, H. (1910) *Geology of the Country around Padstow and Camelford* (Sheets 335 and 336). Memoir of the Geological Survey of Great Britain, HMSO, London.
- Reid, C., Barrow, G., Sherlock, R.L. et al. (1911) *Geology of the Country around Tavistock and Launceston* (Sheet 337). Memoir of the Geological Survey of Great Britain, HMSO, London.
- Reid, C., Barrow, G., Sherlock, R.L. et al. (1912) *The Geology of Dartmoor* (Sheet 338). Memoir of the Geological Survey of Great Britain, HMSO, London.
- Reynolds, D.L. (1946) The sequence of geochemical changes leading to granitization. *Quarterly Journal of the Geological Society of London*, 102, 389–446.
- Reynolds, D.L. (1947) Hercynian Fe–Mg metasomatism in Cornwall. *Geological Magazine*, 84, 33–50.
- Reynolds, D.L. (1954) Fluidization as a geological process and its bearing on the problem of intrusive granites. *American Journal of Science*, 252, 577–613.

- Rice-Birchall, B. and Floyd, P.A. (1988) Geochemistry and source characteristics of the Tintagel Volcanic Formation. *Proceedings of the Ussher Society*, 7, 52–5.
- Richardson, W.A. (1923) A micrometric study of the St Austell granite (Cornwall). *Quarterly Journal of the Geological Society of London*, 79, 546–76.
- Richter, D. (1965) Observations on volcanicity and tectonics of the Torquay area. *Proceedings of the Ussher Society*, 1, 189–90.
- Richter, D. (1967) Sedimentology and facies of the Meadfoot Beds (Lower Devonian) in south-east Devon (England). *Geologische Rundschau*, 56, 543–61.
- Rivalenti, G., Garuti, G., Rossi, A. *et al.* (1981) Existence of different peridotite types and of a layered igneous complex in the Ivrea Zone of the western Alps. *Journal of Petrology*, 22, 127–53.
- Robinson, D. (1981) Metamorphic rocks from an intermediate facies series juxtaposed at the Start boundary, southwest England. *Geological Magazine*, 118, 297–301.
- Robinson, D. and Read, D. (1981) Metamorphism and mineral chemistry of greenschists from Trebarwith Strand, Cornwall. *Proceedings of the Ussher Society*, 5, 132–8.
- Robinson, D. and Sexton, D. (1987) Geochemistry of the Tintagel Volcanic Formation. *Proceedings of the Ussher Society*, 6, 523–8.
- Rock, N.M.S. (1984) Nature and origin of calc-alkaline lamprophyres: minettes, vogesites, kersantites and spessartites. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, 74, 193–227.
- Rollin, K.E. (1986) Geophysical surveys on the Lizard Complex, Cornwall. *Journal of the Geological Society of London*, 143, 437–46.
- Rothstein, A.T.V. (1977) The distribution and origin of primary textures in the Lizard peridotite, Cornwall. *Proceedings of the Geologists' Association*, 88, 93–105.
- Rutley, F. (1878) *The Eruptive Rocks of Brent Tor and its Neighbourhood*. Memoir of the Geological Survey of Great Britain, HMSO, London, 56 pp.
- Sadler, P.M. (1973) An interpretation of new stratigraphic evidence from south Cornwall. *Proceedings of the Ussher Society*, 2, 535–50.
- Sadler, P.M. (1974) An appraisal of the 'Lizard–Dodman–Start Thrust' concept. *Proceedings of the Ussher Society*, 3, 71–81.
- Sandeman, H.A.I. (1988) A field, petrographical and geochemical investigation of the Kennack Gneiss, Lizard peninsula, south-west England. Unpublished MSc. Thesis, Memorial University, Newfoundland.
- Sanders, L.D. (1955) Structural observations on south-east Lizard. *Geological Magazine*, 92, 231–40.
- Sanderson, D.J. (1973) The development of folds oblique to the regional trend. *Tectonophysics*, 16, 55–70.
- Sanderson, D.J. and Dearman, W.R. (1973) Structural zones of the Variscan fold belt in SW England, their location and development. *Journal of the Geological Society of London*, 129, 527–36.
- Scrivenor, J.B. (1903) The granite and greisen of Cligga Head (western Cornwall). *Quarterly Journal of the Geological Society of London*, 59, 142–59.

- Sedgwick, A. (1820) On the physical structure of those formations which are immediately associated with the primitive ridge of Devonshire and Cornwall. *Transactions of the Cambridge Philosophical Society*, 1, 89–146.
- Selwood, E.B. (1961) The Upper Devonian and Lower Carboniferous stratigraphy of Boscastle and Tintagel, Cornwall. *Geological Magazine*, 98, 161–7.
- Selwood, E.B. (1971) Successions at the Devonian–Carboniferous boundary between Boscastle and Dartmoor. *Proceedings of the Ussher Society*, 2, 275–85.
- Selwood, E.B. (1974) The age of the Upper Palaeozoic volcanics between Bodmin Moor and Dartmoor. *Proceedings of the Ussher Society*, 3, 63–70.
- Selwood, E.B. and Durrance, E.M. (1982) The Devonian rocks. In *The Geology of Devon*, (eds E.M. Durrance and D.J.C. Laming), University Press, Exeter, pp. 15–41.
- Selwood, E.B. and Thomas, J.M. (1984) A reinterpretation of the Meldon anticline in the Belstone area. *Proceedings of the Ussher Society*, 6, 75–81.
- Selwood, E.B. and Thomas, J.M. (1986a) Upper Palaeozoic successions and nappe structures in north Cornwall. *Journal of the Geological Society of London*, 143, 75–82.
- Selwood, E.B. and Thomas, J.M. (1986b) Variscan fades and structure in central SW England. *Journal of the Geological Society of London*, 143, 199–207.
- Selwood, E.B., Stewart, I.J. and Thomas, J.M. (1985) Upper Palaeozoic sediments and structure in north Cornwall – a re-interpretation. *Proceedings of the Geologists' Association*, 96, 129–41.
- Shackleton, R.M., Ries, A.C. and Coward, M.P. (1982) An interpretation of the Variscan structures in SW England. *Journal of the Geological Society of London*, 139, 533–41.
- Shail, R. and Floyd, P.A. (1988) An evaluation of flysch provenance – example from the Gramscatho Group of S. Cornwall. *Proceedings of the Ussher Society*, 7, 62–6.
- Shannon, W.G. and Annis, L.G. (1933) The igneous intrusions of the Stoke Fleming area, south Devon. *Proceedings of the Geologists' Association*, 42, 53–61.
- Shepherd, T.J., Miller, M.F., Scrivener, R.C. *et al.* (1985) Hydrothermal fluid evolution in relation to mineralization in southwest England with special reference to the Dartmoor–Bodmin area. In *High Heat Production (HHP) Granites, Hydrothermal Circulation and Ore Genesis*, Institution of Mining and Metallurgy, pp. 345–64.
- Sheppard, S.M.F. (1977) The Cornubian batholith, SW England: D/H and $^{18}\text{O}/^{16}\text{O}$ studies of kaolinite and other alteration minerals. *Journal of the Geological Society of London*, 133, 573–91.
- Simpson, P.R., Plant, J.A. and Cope, M.J. (1976) Uranium abundance and distribution in some granites from northern Scotland and southwest England as indicators of uranium provinces. In *Geology, Mining and Extractive Processing of Uranium*, (ed. M.J. Jones), Institution of Mining and Metallurgy, pp. 126–39.
- Simpson, P.R., Brown, G.C., Plant, J.A. *et al.* (1979) Uranium mineralization and granite magmatism in the British Isles. *Philosophical Transactions of the Royal Society*, A291, 385–412.
- Smith, H.G. (1929) Some features of Cornish lamprophyres. *Proceedings of the Geologists' Association*, 40, 260–8.
- Somervail, A. (1888) On a remarkable dyke in the serpentine of the Lizard. *Geological Magazine*, 5, 553–5.

- Štemprok, M. (1986) Petrology and geochemistry of the Czechoslovak part of the Krugne hory Mountains granite pluton. *Sbornik Geologických Věd: Ložisková Geologie, Mineralogie*, 27, 111–56.
- Stewart, I.J. (1981) The Trekelland thrust. *Proceedings of the Ussher Society*, 5, 163–7.
- Stone, M. (1966) Fold structures in the Mylor Beds, near Porthleven, Cornwall. *Geological Magazine*, 103, 440–60.
- Stone, M. (1968) A study of the Praa Sands elvan and its bearing on the origin of elvans. *Proceedings of the Ussher Society*, 2, 37–42.
- Stone, M. (1969) Nature and origin of banding in the granitic sheets, Tremearne, Porthleven, Cornwall. *Geological Magazine*, 106, 142–58.
- Stone, M. (1975) Structure and petrology of the Tregonning–Godolphin granite, Cornwall. *Proceedings of the Geologists' Association*, 86, 155–70.
- Stone, M. (1979) Textures of some Cornish granites. *Proceedings of the Ussher Society*, 4, 370–9.
- Stone, M. (1984) Textural evolution of lithium mica granites in the Cornubian batholith. *Proceedings of the Geologists' Association*, 95, 29–41.
- Stone, M. (1987) Geochemistry and origin of the Carnmenellis pluton, Cornwall: further considerations. *Proceedings of the Ussher Society*, 6, 454–60.
- Stone, M. (1988) The significance of almandine garnets in the Lundy and Dartmoor granites. *Mineralogical Magazine*, 52, 651–8.
- Stone, M. and Austin, W.G.C. (1961) The metasomatic origin of the potash feldspar megacrysts in the granites of south-west England. *Journal of Geology*, 69, 464–72.
- Stone, M. and Exley, C.S. (1968) South-western granites and alkali feldspar megacrysts. *Nature, London*, 222, 555–6.
- Stone, M. and Exley, C.S. (1978) A cluster analysis of chemical data from the granites of SW England. *Proceedings of the Ussher Society*, 4, 172–81.
- Stone, M. and Exley, C.S. (1984) Emplacement of the Porthmeor granite pluton, west Cornwall. *Proceedings of the Ussher Society*, 6, 42–5.
- Stone, M. and Exley, C.S. (1986) High heat production granites of south-west England and their associated mineralization: a review. *Transactions of the Institution of Mining and Metallurgy, Section B*, 95, B25–B36.
- Stone, M. and George, M.C. (1979) Amblygonite in leucogranites of the Tregonning–Godolphin granite, Cornwall. *Mineralogical Magazine*, 42, 151–2.
- Stone, M. and Lambert, J.L.M. (1956) Shear folding in the Mylor Beds, near Porthleven, Cornwall. *Geological Magazine*, 93, 331–5.
- Stone, M., Exley, C.S. and George, M.C. (1988) Composition of trioctahedral micas in the Cornubian batholith. *Mineralogical Magazine*, 52, 175–92.
- Streckeisen, A. (1976) To each plutonic rock its proper name. *Earth Science Reviews*, 12, 1–33.
- Strong, D.F., Stevens, R.K., Malpas, J. *et al.* (1975) A new tale for the Lizard. *Proceedings of the Ussher Society*, 3, p. 252 (abstract).

- Styles, M.T. and Kirby, G.A. (1980) New investigations of the Lizard Complex, Cornwall, England and a discussion of an ophiolite model. In *Proceedings of the International Ophiolite Symposium, Cyprus 1979*, (ed. A. Panayiotou), 517–26.
- Styles, M.T. and Rundle, C.C. (1984) The Rb–Sr isochron age of the Kennack Gneiss and its bearing on the age of the Lizard Complex, Cornwall. *Journal of the Geological Society of London*, 141, 15–19.
- Sutherland, D.S. (ed.) (1982) *Igneous Rocks of the British Isles*. Wiley, Chichester, 645 pp.
- Tammemagi, H.Y. and Smith, N.L. (1975) A radiogeological study of the granites of SW England. *Journal of the Geological Society of London*, 131, 415–27.
- Taylor, R.T. and Wilson, A.C. (1975) Notes on some igneous rocks of west Cornwall. *Proceedings of the Ussher Society*, 3, 255–62.
- Teall, J.J.H. (1886) The metamorphosis of the Lizard gabbros. *Geological Magazine*, 3, 4819.
- Teall, J.J.H. (1887) On the origin of certain banded gneisses. *Geological Magazine*, 4, 484–93.
- Teall, J.J.H. (1888) *British Petrography*. Dulau, London, 469 pp.
- Thorpe, R.S. (1987) Permian K-rich volcanic rocks of Devon: petrogenesis, tectonic setting and geological significance. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, 77, 361–6.
- Thorpe, R.S., Cosgrove, M.E. and Van Calsteren, P.W.C. (1986) Rare-earth element, Sr- and Nd-isotope evidence for petrogenesis of Permian basaltic and K-rich volcanic rocks from southwest England. *Mineralogical Magazine*, 50, 481–90.
- Tidmarsh, W.G. (1932) The Permian lavas of Devon. *Quarterly Journal of the Geological Society of London*, 88, 712–75.
- Tilley, C.E. (1923) The petrology of the metamorphosed rocks of the Start area (south Devon). *Quarterly Journal of the Geological Society of London*, 79, 172–204.
- Tilley, C.E. (1925) Petrographical notes on some chloritoid rocks. II: Chloritoid phyllites of the Tintagel area, north Cornwall. *Geological Magazine*, 62, 314–8.
- Tilley, C.E. (1935) Metasomatism associated with the greenstone–hornfelses of Kenidjack and Botallack, Cornwall. *Mineralogical Magazine*, 24, 181–202.
- Tilley, C.E. (1937) Anthophyllite–cordierite granulites of the Lizard. *Geological Magazine*, 74, 300–9.
- Tilley, C.E. and Flett, J.S. (1930) Hornfelses from Kenidjack, Cornwall. *Geological Survey of Great Britain, Summary of Progress* (for 1929), 2, 24–41.
- Toombs, J.M.C. (1977) A study of the space form of the Cornubian granite batholith and its application to detailed gravity surveys in Cornwall. *Mineral Reconnaissance Programme Report, Institute of Geological Sciences*, 11, 16 pp.
- Tunbridge, I.P. (1983) The Middle Devonian shoreline in North Devon, England. *Journal of the Geological Society of London*, 140, 14758.
- Tunbridge, I.P. (1986) Mid-Devonian tectonics and sedimentation in the Bristol Channel area. *Journal of the Geological Society of London*, 143, 107–15.
- Turner, P.J. (1982) The anatomy of a thrust: a study of the Greystone Thrust Complex, east Cornwall. *Proceedings of the Ussher Society*, 5, 270–8.

- Turner, R.E., Taylor, R.T., Goode, A.J.J. *et al.* (1979) Palynological evidence for the age of the Mylor Slates, Mount Wellington, Cornwall. *Proceedings of the Ussher Society*, 4, 274–83.
- Turpin, L., Velde, D. and Pinte, G. (1988) Geochemical comparison between minettes and kersantites from the western European Hercynian orogen: trace element and Pb–Sr–Nd isotope constraints on their origin. *Earth and Planetary Science Letters*, 87, 73–86.
- Tuttle, O.F. and Bowen, N.L. (1958) Origin of granite in the light of experimental studies in the system $\text{NaAlSi}_3\text{O}_8\text{-KAlSi}_3\text{O}_8\text{-SiO}_2\text{-H}_2\text{O}$. *Geological Society of America Memoir*, 74, 1–153.
- Ussher, W.A.E. (1892) The British Culm Measures. Part II: Mechanical effects produced by the presence of the Dartmoor granite upon the surrounding strata. *Proceedings of the Somerset Archaeological and Natural History Society*, 38, 181–219.
- Ussher, W.A.E. (1902) *Geology of the Country around Exeter* (Sheet 325). Memoir of the Geological Survey of Great Britain, HMSO, London.
- Ussher, W.A.E. (1904) *Geology of the Country around Kingsbridge and Salcombe* (Sheets 355 and 356). Memoir of the Geological Survey of Great Britain, HMSO, London.
- Ussher, W.A.E. (1907) *Geology of the Country around Plymouth and Liskeard* (Sheet 348). Memoir of the Geological Survey of Great Britain, HMSO, London.
- Ussher, W.A.E. (1912) *Geology of the Country around Ivybridge and Modbury* (Sheet 349). Memoir of the Geological Survey of Great Britain, HMSO, London.
- Ussher, W.A.E. (1913) *Geology of the Country around Newton Abbot* (Sheet 339). Memoir of the Geological Survey of Great Britain, HMSO, London.
- Ussher, W.A.E., Barrow, G. and MacAlister, D.A. (1909) *Geology of the Country around Bodmin and St Austell* (Sheet 347). Memoir of the Geological Survey of Great Britain, HMSO, London.
- Valiance, T.G. (1960) Concerning spilites. *Proceedings of the Linnean Society of New South Wales*, 85, 8–52.
- Valiance, T.G. (1965) On the chemistry of pillow lavas and the origin of spilites. *Mineralogical Magazine*, 34, 471–81.
- Valiance, T.G. (1967) Mafic rock alteration and isochemical development of some cordierite–anthophyllite rocks. *Journal of Petrology*, 8, 84–96.
- Van Marcke de Lummen, G. (1985) Mineralogy and geochemistry of skarn deposits in the Land's End aureole, Cornwall. *Proceedings of the Ussher Society*, 6, 211–7.
- Van Marcke de Lummen, G. (1986) Geochemical evolution of the Land's End granite (southwest England) in relation to tin potential in the light of data from western marginal areas. *Proceedings of the Ussher Society*, 6, 398–404.
- Vearncombe, J.R. (1980) The Lizard ophiolite and two phases of suboceanic deformation. In *Proceedings of the International Ophiolite Symposium, Cyprus 1979*, (ed. A. Panayiotou), pp. 527–37.
- Vernon, R.H. (1986) K-feldspar megacrysts in granites – phenocrysts not porphyroblasts. *Earth-Science Reviews*, 23, 1–63.
- Von Knorring, O. and Condliffe, E. (1984) On the occurrence of niobium–tantalum and other rare-element minerals in the Meldon aplite, Devonshire. *Mineralogical Magazine*, 48, 443–8.
- Waters, R.A. (1970) The Variscan structure of eastern Dartmoor. *Proceedings of the Ussher Society*, 2, 191–7.

- Watson, J.V., Fowler, M.B., Plant, J.A. *et al.* (1984) Variscan–Caledonian comparisons: late orogenic granites. *Proceedings of the Ussher Society*, 6, 2–12.
- Webb, P.C., Tindle, A.G., Barritt, S.D. *et al.* (1985) Radiothermal granites of the United Kingdom: comparison of fractionation patterns and variations of heat production for selected granites. In *High Heat Production (HHP) Granites, Hydrothermal Circulation and Ore Genesis*, Institution of Mining and Metallurgy, p. 40924.
- Webby, B.D. (1966) Middle–Upper Devonian palaeogeography of north Devon and west Somerset. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 2, 27–46.
- Wedepohl, K.H., Meyer, K and Muecke, G.K. (1983) Chemical composition and genetic relations of metavolcanic rocks from the Rhenohercynian belt of north-west Germany. In *Intracontinental Fold Belts*, (eds H. Martin and F.W. Eder), Springer-Verlag, Berlin, pp. 231–56.
- Wells, M.K. (1946) A contribution to the study of luxullianite. *Mineralogical Magazine*, 27, 186–94.
- Wells, P.R.A. (1977) Pyroxene thermometry in simple and complex systems. *Contributions to Mineralogy and Petrology*, 62, 129–39.
- Whiteley, M.J. (1984) Shallow-water Dinantian sediments in south-east Cornwall. *Proceedings of the Ussher Society*, 6, 137–41.
- Whitley, N. (1849) On the remains of ancient volcanoes on the north coast of Cornwall in the parish of St Minver. *30th Annual Report of the Royal Institution of Cornwall*, HMSO, London, p. 47.
- Whittaker, A. (1975) A postulated post-Hercynian rift valley system in southern Britain. *Geological Magazine*, 112, 137–49.
- Wilkinson, J.J. and Knight, R.R.W. (1989) Palynological evidence from the Porthleven area, south Cornwall: implications for Devonian stratigraphy and Hercynian structural evolution. *Journal of the Geological Society of London*, 146, 739–42.
- Williams, C.T. and Floyd, P.A. (1981) The localized distribution of U and other incompatible elements in spilitic pillow lavas. *Contributions to Mineralogy and Petrology*, 78, 111–17.
- Willis-Richards, J. and Jackson, N.J. (1989) Evolution of the Cornubian ore field, south-west England; Part I: Batholith modelling and ore distribution. *Economic Geology*, 84, 1078–1100.
- Wilson, I.R. and Floyd, P.A. (1974) Distribution of uranium in the Land's End granite and aureole, and various greenstones from Cornwall. *Proceedings of the Ussher Society*, 3, 166–76.
- Wood, D.A. (1980) The application of Th–Hf–Ta diagram to problems of tectonomagmatic classification and to establish the nature of crustal contamination of basaltic lavas of the British Tertiary Volcanic Province. *Earth and Planetary Science Letters*, 50, 11–30.
- Worth, R.H. (1920) The geology of the Meldon valleys near Okehampton, on the northern verge of Dartmoor. *Quarterly Journal of the Geological Society of London*, 75 (for 1919), 77–118.
- Ziegler, P.A. (1986) Geodynamic model for the Palaeozoic crustal consolidation of western and central Europe. *Tectonophysics*, 126, 303–28.
- Zwart, H.J. and Dornsiepen, U.F. (1978) The tectonic framework of central Europe. *Geologie en Mijnbouw*, 57, 627–54.

[References](#)