## 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 petuntzyte. *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. 15377.

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 hornfelses 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 hornfelses. *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 hornfelses 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. 13052.

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 Megiliggar 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 Iull: 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, 41921.

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 donnees nouvelles sur le cortege 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 ciscuillements Hercyniens dans le Nord du Massif Armorican: géochronologie Rb–Sr. Bullétin 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 métallogenique. *Thése 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.

Rattey, 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*, *5*35–50.

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 <sup>18</sup>O/<sup>16</sup>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 Geologickych V■d: Ložiskova 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 NaAlSi<sub>3</sub>O<sub>8</sub>-KAlSi<sub>3</sub>O<sub>8</sub>-SiO<sub>2</sub>-H<sub>2</sub>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 lvybridge 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