

J.N.C.C.

# *Fossil Fishes of Great Britain*

**D.L. Dineley**

Department of Geology  
University of Bristol  
Bristol, UK

and

**S.J. Metcalf**

Humber Estuary Discovery Centre,  
North East Lincolnshire Council  
Cleethorpes, UK

GCR Editor: **D. Palmer**

**JOINT  
NATURE  
CONSERVATION  
COMMITTEE**

# References

- Agassiz, J.L.R. (1832) Untersuchungen über die fossilien Fische der Lias Formationen. *Neues Jahrbuch für Mineralogie, Geologie und Paläontologie*, 1832, 139–49.
- Agassiz, J.L.R. (1833–1845) *Recherches sur les Poissons Fossiles*, 5 volumes, and atlas 5 volumes, Imprimerie Petitpierre, Neuchatel, France, 1420 pp.
- Agassiz, J.L.R. (1835) On the fossil fishes of Scotland. *Report of the British Association for the Advancement of Science*, British Association for the Advancement of Science, Edinburgh.
- Agassiz, J.L.R. (1839) Fishes of the Upper Ludlow Rock. In *The Silurian System*, R.I. Murchison (ed.), Vol.2, 605–7, John Murray, London.
- Agassiz, J.L.R. (1840) New genera of fishes from the Old Red Sandstone in Scotland. In R.I. Murchison, 1841 *Report of the British Association for the Advancement of Science*, 1840, Glasgow, 99 pp.
- Agassiz, J.L.R. (1844–1845) *Monographie des poissons fossiles du Vieux Grès Rouge ou système Devonien (Old Red Sandstone) des îles Britanniques et de Russie*. Jent et Grassmann Neuchâtel, xxxvi and 171 pp.
- Agassiz, J.L.R. and Hibbert, S. (1836) On the freshwater limestone of Burdiehouse, in the neighbourhood of Edinburgh, belonging to the Carboniferous group of rocks. With supplementary notes on other freshwater limestones. *Transactions of the Royal Society of Edinburgh*, XIII, 169–282.
- Ahlberg, P.E. (1991) Tetrapod or near-tetrapod fossils from the Upper Devonian of Scotland. *Nature*, 354, 298–301.
- Ahlberg, P.E. (1992) The palaeoecology and evolutionary history of the porolepiform sarcopterygians. In *Fossil Fishes as Living Organisms* (ed. E. Mark-Kurik), Academy of Science, Estonia, Tallinn pp. 71–90.
- Ahlberg, P.E. (1995) *Elginerpeton pancheni* and the earliest tetrapod clade. *Nature*, 373, 420–5.
- Ahlberg, P.E. and Milner, A.R. (1994) The origin and early diversification of tetrapods. *Nature*, 368, 507–14.
- Ahlberg, P.E. and Trewin, N.H. (1995) The postcranial skeleton of the Middle Devonian lungfish *Dipterus valenciennesi*. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, 85, 159–75.
- Ahlberg, P.E., Luksevics, E. and Lebedev, O. (1994) The first tetrapod from the Devonian (Upper Famennian) of Latvia. *Philosophical Transactions of the Royal Society of London*, B343, 303–28.
- Aigner, T. (1980) Biofacies and stratigraphy of the Lower Kimmeridge Clay (Upper Jurassic, Dorset, England). *Neues Jahrbuch für Geologie und Paläontologie Abhandlungen*, 159, 324–8.
- Aldinger, H. (1937) Permische Ganiodfische aus Ostgrönland. *Meddelelser om Grönland*, 102, 1–392.
- Aldiss, J. (1992) Geological notes and local details for 1 : 10,000 sheet SP92SE (Totternhoe) and part of sheet SP19NE (Eldesborough). *British Geological Survey Technical Report WA/90/90* HMSO, London.
- Aldridge, J.R. and Purnell, M.A. (1996) The conodont controversies. *Trends in Ecology and Evolution*, 11, 463–8.

## References

---

- Aldridge, R.J. and Smith, M.P. (1985) Lower Palaeozoic succession of the Welsh Borderland. *Fourth European Conodont Symposium (ECOS IV) Field Excursion B, Guidebook*, 39 pp.
- Aldridge, R.J. and Turner, S. (1975) Britain's oldest agnathans. *Geological Magazine*, **112**, 419–20.
- Aldridge, R.J., Briggs, D.E.G., Smith, M.P., Clarkson, E.N.K. and Clark, N.D.L. (1995) The anatomy of conodonts. *Philosophical Transactions of the Royal Society, London*, **B338**, 405–21.
- Alekseev, A.A., Lebedev, O.A., Barskov, I.S. et al. (1994) On the stratigraphic position of the Famennian and Tournasian fossil vertebrate beds in Andreyevka Tula Region, Central Russia. *Proceedings of the Geologists' Association*, **105**, 41–52.
- Alexander, F.E.S. (1936) The Aymestry Limestone of the Main Outcrop. *Quarterly Journal of the Geological Society of London*, **92**, 103–15.
- Allen, J.R.L. (1964) Studies in fluvialite sedimentation: six cyclothem from the Lower Old Red Sandstone, Anglo-Welsh Basin. *Sedimentology*, **3**, 163–98.
- Allen, J.R.L. (1965) Upper Old Red Sandstone (Farlovian) palaeogeography in South Wales and the Welsh Borderland. *Journal of Sedimentary Petrology*, **35**, 167–95.
- Allen, J.R.L. (1971) Sedimentation of the Old Red Sandstone in the Forest of Dean. In *Geological Excursions in South Wales and the Forest of Dean* (eds D.A. Bassett and M.G. Bassett), The Geologists' Association, South Wales Group, Cardiff, pp. 9–19.
- Allen, J.R.L. (1973) A new find of bivalve molluscs in the uppermost Downtonian (Lower Old Red Sandstone) of Lydney, Gloucestershire. *Proceedings of the Geologists' Association*, **84**, 27–30.
- Allen, J.R.L. (1974) Sedimentology of the Old Red Sandstone (Siluro-Devonian) in the Clee Hills area, Shropshire, England. *Sedimentary Geology*, **12**, 73–167.
- Allen, J.R.L. (1977) Wales and the Welsh Borders. In *A Correlation of Devonian Rocks in the British Isles* (ed. M.R. House), *Geological Society of London Special Report Series*, **8**, pp. 40–53.
- Allen, J.R.L. (1978) Locality B1 Lydney, Gloucestershire. In *A field guide to selected outcrop areas of the Devonian of Scotland*, *the Welsh Borderland and South Wales* (eds P.F. Friend and B.P.J. Williams) The Palaeontological Association, 61–3.
- Allen, J.R.L. (1979) Old Red Sandstone facies in external basins, with particular reference to southern Britain. In *The Devonian System* (eds M.R. House, C.T. Scrutton and M.G. Bassett), *Special Papers in Palaeontology*, **23**, pp. 65–80.
- Allen, J.R.L. (1985) Marine to fresh water: the sedimentology of the interrupted environmental transition (Ludlow–Siegenian) in the Anglo-Welsh region. *Philosophical Transactions of the Royal Society, London*, **B309**, 85–104.
- Allen, J.R.L. (1986) Pedogenic calcretes in the Old Red Sandstone facies (Late Silurian–Early Carboniferous) of the Anglo-Welsh area, southern Britain. In *Paleosols: Their Recognition and Interpretation* (ed. V.P. Wright), Blackwell, Oxford, pp. 58–86.
- Allen, J.R.L. and Crowley, S.F. (1983) Lower Old Red Sandstone fluvial dispersal systems in the British Isles. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **74**, 61–8.
- Allen, J.R.L. and Tarlo, L.B.H. (1963) The Downtonian and Dittonian facies of the Welsh Borderland. *Geological Magazine*, **100**, 129–55.
- Allen, J.R.L. and Williams, B.P.J. (1978) The sequence of the earliest Lower Old Red Sandstone (Siluro-Devonian), north of Milford Haven, southwest Dyfed (Wales). *Geological Journal*, **13**, 113–36.
- Allen, J.R.L. and Williams, B.P.J. (1981) Sedimentology and stratigraphy of the Townsend Tuff Bed (Lower Old Red Sandstone) in South Wales and the Welsh Borders. *Journal of the Geological Society, London*, **138**, 15–29.
- Allen, J.R.L., Dineley, D.L. and Friend, P.F. (1968) Old Red Sandstone Basins of North America and Northwest Europe. In *International Symposium on the Devonian System* (ed. D.H. Oswald), Calgary, 69–98.
- Allen, J.R.L., Halstead (Tarlo), L.B. and Turner, S. (1968) Dittonian ostracoderm fauna from the Brownstones of Wilderness Quarry, Mitcheldean, Gloucestershire. *Proceedings of the Geological Society of London*, **1649**, 141–53.
- Allen, P. (1947) Notes on Wealden fossil soil beds. *Proceedings of the Geologists'*

## References

- Association, **52**, 362–74.
- Allen, P. (1949) Notes on Wealden bone-beds. *Proceedings of the Geologists' Association*, **60**, 275–83.
- Allen, P. (1959) The Wealdon Environment: Anglo-Paris Basin. *Philosophical Transactions of the Royal Society*, **B242**, 283–346.
- Allen, P. (1962) The Hastings Beds deltas: recent progress and Easter Field Meeting report. *Proceedings of the Geologists' Association*, **73**, 219–43.
- Allen, P. (1967) Strandline pebbles in the Mid-Hastings Beds and the geology of the London uplands: New Red Sandstone and other pebbles. Conclusion. *Proceedings of the Geologists' Association*, **78**, 241–71.
- Allen, P. (1976) Wealden of the Weald: a new model. *Proceedings of the Geologists' Association*, **86**, 390–436.
- Allen, P. (1981) Pursuit of Wealden models. *Journal of the Geological Society, London*, **138**, 375–405.
- Allen, P. and Marshall, J.E.A. (1981) Depositional environments and palynology of the Devonian Lower Eday Sandstone. *Scottish Journal of Geology*, **17**, 257–73.
- Allen, P. and Wimbledon, W.A. (1991) Correlation of NW European Purbeck–Wealden (nonmarine Lower Cretaceous) as seen from the English type areas. *Cretaceous Research*, **12**, 511–64.
- Allen, P.A. (1981) Devonian lake margin environments and processes, SE Shetland, Scotland. *Journal of the Geological Society, London*, **138**, 1–14.
- Allison, P.A. (1988) Taphonomy of the Eocene London Clay Biota. *Palaeontology*, **31**, 1079–100.
- Anderson, F.W. and Bazley, R.A.B. (1971) The Purbeck beds of the Weald (England). *Bulletin of the Geological Survey of Great Britain*, **34**, HMSO, London, 173 pp.
- Anderson, J. (1840) On the geology of Fifeshire. *Transactions of the Highland Agricultural Society of Scotland*, **13**, 376–431.
- Anderson, J. (1859) *Dura Den. A monograph of the yellow sandstone and its remarkable fossil remains*. Constable, Edinburgh.
- Anderton, R. (1985) Sedimentology of the Viséan at Foulden, Berwickshire, Scotland. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **76**, 7–12.
- Andrews, J.E. (1985) Sedimentary facies of a late Bathonian regressive episode: the Kilmaluag and Skudibburgh formations of the Great Estuarine Group, Inner Hebrides, Scotland. *Journal of the Geological Society, London*, **142**, 1119–37.
- Andrews, S.M. (1978) A possible occurrence of *Remigolepis* in the topmost Old Red Sandstone of Berwickshire. *Scottish Journal of Geology*, **14**, 311–15.
- Andrews, S.M. (1982) The discovery of fossil fishes in Scotland up to 1845 with checklists of Agassiz's figured specimens. *Royal Scottish Museum Studies*, 87 pp.
- Andrews, S.M. (1984) Altyre and Lethen Bar, two middle Old Red Sandstone fish localities. *Scottish Journal of Geology*, **19**, 243–64.
- Andrews, S.M. (1985) Rhizodont crossopterygian fishes from the Dinantian of Foulden, Berwickshire, Scotland, with a re-evaluation of this group. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **76**, 67–95.
- Andrews, S.M. and Carroll, R.L. (1991) The order Adelospondyli: Carboniferous lepospondyl amphibians. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **82**, 239–75.
- Andrews, S.M. and Westoll, T.S. (1970a) The Postcranial skeleton of *Eusthenopteron foordi* Whiteaves. *Transactions of the Royal Society of Edinburgh*, **68**, 207–329.
- Andrews, S.M. and Westoll, T.S. (1970b) The postcranial skeleton of Rhipidistian fishes excluding *Eusthenopteron*. *Transactions of the Royal Society of Edinburgh*, **68**, 391–490.
- Anon. (1954) Directory of British Fossiliferous Localities, Palaeontographical Society, London, 268 pp.
- Antia, D.D.J. (1979a) Comments on the environment and faunas across the Ludlovian–Downtonian boundary (Upper Silurian) at Siefon, Salop. *Geological Journal*, **14**, 127–34.
- Antia, D.D.J. (1979b) Bone-beds: a review of their classification, occurrence, genesis, diagenesis, geochemistry, palaeoecology, weathering and microbiotas. *Mercian Geologist*, **7**, 93–174.
- Antia, D.D.J. (1980) The sedimentology of the type section of the Upper Silurian Ludlow–Downton series boundary at Ludlow, Salop, England. *Mercian Geologist*, **7**, 291–321.
- Antia, D.D.J. (1981) The Temeside Bone-Bed and associated sediments from Wales and the

## References

- Welsh Borderland. *Mercian Geologist*, **8**, 163–215.
- Antia, D.D.J. (1983) Reply to letter: The Temeside Bone-Bed and associated sediments from Wales and the Welsh Borderland. *Mercian Geologist*, **9**, 59–64.
- Antia, D.D.J. and Whitaker, J.H. McD. (1979) A scanning electron microscope study of the fishes of the Upper Silurian Ludlow bone bed. In *Scanning Electron Microscopy in the Study of Sediments* (ed. W.B. Whalley), Geo-Abstracts, Elsevier Science Publishers, Norwich, 119–36.
- Arkell, W.J. (1931) The Upper Great Oolite, Bradford Beds and Forest Marble of south Oxfordshire and the succession of gastropod faunas in the Great Oolite. *Quarterly Journal of the Geological Society of London*, **87**, 563–629.
- Arkell, W.J. (1933) *The Jurassic System in Great Britain*, Clarendon Press, Oxford, 681 pp.
- Arkell, W.J. (1947a) *The Geology of Oxford*, Clarendon Press, Oxford, 267 pp.
- Arkell, W.J. (1947b) *Oxford Stone*, Faber and Faber, London, 185 pp.
- Arkell, W.J. (1947c) The Geology of the Country around Weymouth, Swanage, Corfe and Lulworth (Sheet 341). *Memoirs of the Geological Survey of Great Britain*. HMSO, London, 386pp.
- Arkell, W.J. (1951) The geology of the Corallian ridge between Wootton Bassett and Lyneham, Wiltshire. *Wiltshire Archaeological and Natural History Magazine*, **54**, 1–18.
- Arkell, W.J. (1959) *A monograph of English Bathonian ammonites*. Palaeontological Society (Monograph), 264 pp.
- Arkell, W.J. and Donovan, D.T. (1952) The Fuller's Earth of the Cotswolds and its relation to the Great Oolite. *Quarterly Journal of the Geological Society of London*, **107**, 227–53.
- Armstrong, M. (1964) The geology of the region between the Alness River and the Dornoch Firth. Unpublished PhD thesis, University of Newcastle-upon-Tyne.
- Armstrong, M., Donovan, R.N. and Paterson, I.B. (1978) Day 2 Angus and Kincardine. In *A field guide to selected outcrop areas of the Devonian in Scotland, the Welsh Borderland and South Wales*, (eds P.F. Friend and B.P.J. Williams). The Palaeontological Association, 13–22.
- Armstrong, M. and Paterson, I.B. (1970) The Lower Old Red Sandstone region. *Institute of Geological Sciences Report 70/12*, HMSO, London.
- Arratia, G. and Viohl, G. (eds) (1995) *Mesozoic Fishes: Systematics and Palaeoecology*, Dr Pfeil, München.
- Arsenault, M. and Janvier, P. (1991) The anapsid-like craniates of the Escuminac Formation (U. Devonian) from Miguasha (Quebec, Canada), with remarks on anapsid–Petromyzontida relationships. In *Early Vertebrates and Related Problems of Evolutionary Biology* (eds M. Chang, Y. Liu and G. Zhang), Science Press, Beijing, pp. 19–37.
- Astin, T.R. (1985) The palaeogeography of the Middle Devonian Lower Eday Sandstones, Orkney. *Scottish Journal of Geology*, **21**, 353–75.
- Astin, T.R. (1990) The Devonian lacustrine sediments of Orkney, Scotland: implications for climate cyclicity, basin structure and maturation history. *Journal of the Geological Society, London*, **147**, 141–91.
- Aston, M.A. (1974) *Stonesfield Slate*. Department of Museum Services, Oxfordshire County Council, Publication No. 5, 85 pp.
- Attridge, J. (1956) A giant *Holoptychius* from Dura Den. *Nature*, **177**, 232–3.
- Aubrey, M.P. (1983) Biostratigraphie du Paléogène epicontinentale de l'Europe du nord ouest. Etude fondée sur les nannofossiles calcaires. *Documents de la laboratoire géologique Lyonnaise*, No. **89**, 317 pp.
- Aubrey, M.P., Hailwood, E.A., Townsend, H.A. (1986) Magnetic and calcareous-nannofossil stratigraphy of the lower Palaeogene formations of the Hampshire and London basins. *Journal of the Geological Society, London*, **143**, 729–35.
- Audley-Charles, M.A. (1970) Triassic palaeogeography of the British Isles. *Quarterly Journal of the Geological Society, London*, **126**, 19–47.
- Audley-Charles, M.G. (1992) Triassic. In *Geology of England and Wales* (eds P. McL.D. Duff and A.J. Smith), The Geological Society, London, 307–24.
- Austen, J.H. (1852) *A Guide to the Geology of the Isle of Purbeck and the South Coast of Hampshire*. Blandford, London, 20 pp.
- A.B. (1751) Enormous relicts of an unknown animal. *Gentleman's Magazine*, **27**, 20–1.
- A.B. (1751) Further accounts of fossils.

## References

---

- Gentleman's Magazine*, 27, 122–3.
- Bailey, W.H. (1865) On the occurrence of fish remains in the Old Red Sandstone at Portishead, near Bristol. *Report for the British Association for the Advancement of Science, Bath*, 33, 49–50 (for 1864).
- Balabaj, P.P. (1956) Morfoloiya i filogeneticheskoe razvitea groopi byeschelyustnikh (Morphology and phylogenetic development of the group Agnatha). *Kiev Journal of the Academy of Science of the Ukrainian Socialist Soviet Republic*, 1–4. [In Russian.]
- Ball, H.W. (1951) The Silurian and Devonian rocks of Turner's Hill and Gornal, south Staffordshire. *Proceedings of the Geologists' Association*, 62, 225–36.
- Ball, H.W. and Dineley, D.L. (1961) The Old Red Sandstone of Brown Clee Hill and the adjacent area. I: Stratigraphy. *Bulletin of the British Museum (Natural History), Geology*, 5, 178–242.
- Banks, H. (1980) Floral assemblages in the Siluro-Devonian. In *Biostratigraphy of Fossil Plants* (eds D.L. Dilcher and T.N. Taylor), Dowden, Hutchinson and Ross, Stroudsburg, pp. 1–24.
- Banks, R.W. (1856) On the tilestones, or Downton Sandstones, in the neighbourhood of Kingston, and their contents. *Quarterly Journal of the Geological Society of London*, 12, 93–101.
- Banks, R.W. (1893) Reminiscences of the Downton Sandstone. *Transactions of the Woolhope Naturalists' Field Club, Hereford*, 1892, 390–404.
- Barclay, W.L., Rathbone, P.A., White, D.E. and Richardson, J.B. (1994) Brackish water faunas from the St. Maughans Formation: the Old Red Sandstone section at Ammons Hill, Hereford and Worcester, UK, re-examined. *Geological Journal*, 29, 369–79.
- Bardack, D. (1965) Anatomy and evolution of chirocentrid fishes. *Paleontological Contributions of the University of Kansas. Vertebrata*, 10, 1–88.
- Barkes, J. and Holroyde, W.F. (1896) Sea beach at Castleton, Derbyshire, of Carboniferous Limestone age. *Transactions of Manchester Geological Association*, 25, 119–28, 181–91.
- Barrois, C. (1876) *Recherches sur le Terrain Crétace Supérieur d'Angleterre et de l'Irlande*. Lille, 232 pp.
- Barrow, G. (1908) In *The Geology of the Small Isles of Inverness-shire (Rum, Canna, Eigg, Muck etc.)*, (Sheet 60) (ed. A. Hughes), Memoirs of the Geological Survey of the United Kingdom, HMSO, London, 210 pp.
- Bartram, A.W.H. (1977) The macrosemiidae, a Mesozoic family of holostean fish. *Bulletin of the British Museum (Natural History): Geology*, 29, 137–234.
- Bassett, M.G. (1992) Silurian. In *Atlas of Palaeogeography and Lithofacies*. (eds J.F.C. Cope, J.K. Ingham and P.F. Rawson), The Geological Society, London, pp. 37–56.
- Bassett, M.G., Lawson, J.D. and White, D.E. (1982) The Downtonian Series as the fourth series of the Silurian System. *Lethaia*, 15, 1–24.
- Bate, R.H. (1978) The Jurassic. Part II Aalenian to Bathonian. In *A Stratigraphic Index of British Ostracoda* (eds R.H. Bate and J.E. Robinson), *Geological Journal Special Issue*, 8, Seel House Press, Liverpool, pp. 213–58.
- Beckles, S.H. (1856) On the lowest strata of the cliffs at Hastings. *Quarterly Journal of the Geological Society of London*, 12, 288–92.
- Beerbower, J.R. (1960) *Search for the Past. An Introduction to Paleontology*, Prentice Hall, New Jersey, 533 pp.
- Bell, J., Holden, J., Fettigrew, T.H. and Stedman, K.W. (1979) The Marl Slate and Basal Permian Breccia at Middridge, County Durham. *Proceedings of the Yorkshire Geological Society*, 42, 439–60.
- Belles-Isles, M. (1987) La nage et l'hydrodynamique de deux Agnathans du Paléozoïque: *Alaspis macrotuberculata* et *Pteraspis rostrata*. *Neues Jahrbuch für Geologie und Paläontologie Abhandlungen*, 175, 347–76.
- Bensted, W.H. (1860) On the Kentish Ragstone as exhibited in the Iguanodon quarry at Maidenhead. *Proceedings of the Geologists' Association*, 5, 57–60.
- Benton, M.J. (1988) British fossil reptile sites. In *The Use and Conservation of Palaeontological Sites* (eds P.R. Crowder and W.A. Wimbledon), *Special Papers in Palaeontology*, 40, pp. 73–84.
- Benton, M.J. (1990) *Vertebrate Palaeontology; Biology and Evolution*, Chapman and Hall, London, 377 pp.
- Benton, M.J. (1991) What really happened in the later Triassic? *Historical Biology*, 5, 263–78.
- Benton, M.J. (ed.) (1993) *The Fossil Record 2*, Chapman and Hall, London, 841 pp.
- Benton, M.J. (1994a) Late Triassic terrestrial ver-

## References

---

- tebrate extinctions: stratigraphical aspects and the record of German basins. *Palaeontologia Lombardia, Nuova Serie*, **2**, 19–38.
- Benton, M. J. (1994b) Late Triassic to Jurassic extinctions among tetrapods: testing the pattern. In *In the Shadow of the Dinosaurs; early Mesozoic tetrapods* (eds N. Fraser and H.-D. Sues), Cambridge University Press, New York, pp. 366–97.
- Benton, M.J. and Spencer, P.S. (1995) *Fossil Reptiles of Great Britain*. Geological Conservation Review Series, No. 10, Chapman and Hall, London, 345 pp.
- Benton, M.J. and Taylor, M.A. (1984) Marine reptiles from the Upper Lias (Lower Toarcian, Lower Jurassic) of the Yorkshire coast. *Proceedings of the Yorkshire Geological Society*, **44**, 399–429.
- Benton, M.J., Warrington, G., Newell, A.J. and Spencer, P.S. (1994) A review of the British Mid-Triassic tetrapod faunas. In *In the Shadow of the Dinosaurs; early Mesozoic tetrapods* (eds N.C. Fraser and H.-D. Sues), Cambridge University Press, New York, pp. 131–60.
- Berg, L.S. (1940) Classification of fishes, both Recent and fossil. *Transactions of the Zoological Institute, Leningrad, USSR*, **5**, 87–517.
- Bernacsek, G. and Dineley, D.L. (1977) New acanthodians from the Delorme Formation (Lower Devonian) of N.W.T. Canada. *Palaeontographica, Abteilung A*, **158**, 1–25.
- Berrill, N.J. (1955) *The Origins of Vertebrates*, Oxford University Press, Oxford, 257 pp.
- Blainville, H.M.D. (1818) Sur les ichthyolités ou les poissons fossiles. *Nouvelle Dictionnaire d'Histoire naturelle, Paris*, **37**, 310–95.
- Bigsby, J.J. (1868) *Thesaurus Siluricus. The Flora and Fauna of the Silurian Period*. Van Voorst, London, 214 pp.
- Birkelund, T., Thusu, B. and Vigran, J. (1978) Jurassic-Cretaceous biostratigraphy of Norway, with comments on the British *Rosenia cymodoce* Zone. *Palaeontology*, **21**, 31–63.
- Blieck, A. (1980) Le genre *Rhinopterasis* Jaekel (Vertébrés, Hétérostracés) du Dévonien inférieur: systématique, morphologie, répartition. *Bulletin du Muséum national d'Histoire naturelle, Paris*, 4 Ser., ZC, **1**, 25–47.
- Blieck, A. (1981) Le genre *Proptopteraspis* Leriche (Vertébrés, Hétérostracés) du Dévonien inférieur nord Atlantique. *Palaeontographica, Abteilung A*, **173**, 141–59.
- Blieck, A. (1982a) Les grandes lignes de biographie des Hétérostracés du Silurien supérieur-Dévonien inférieur dans le domaine nord-Atlantique. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **38**, 283–316.
- Blieck, A. (1982b) Les Hétérostracés (Vertébrés Agnathes) du Dévonien inférieur du Nord de la France et du sud de la Belgique (Artois-Ardennes). *Annales de la Société géologique Belgique*, **105**, 31 pp.
- Blieck, A. (1982c) Données nouvelles sur les Hétérostracés (Vertébrés Agnathes) du gisement d' Ombret, Dévonien inférieur de l'Ardennes Belges. *Annales de la Société géologique Belgique*, **105**, 235–9.
- Blieck, A. (1982d) Les Hétérostracés (Vertébrés Agnathes) de l'horizon *Vogti* (Groupe de Red Bay, Dévonien inférieur du Spitzberg). *Cabiers de Paléontologie*, CNRS, Paris, 51 pp.
- Blieck, A. (1984) Les Hétérostracés Pteraspidiformes, Agnathans du Silurien Dévonien du Continent nord-atlantique et des blocs avoisinants: revision systématique, phylogénie, biostratigraphie, biogéographie. *Cabiers de Paléontologie*, CNRS, Paris, 200 pp.
- Blieck, A. (1985) Paléoenvironments des Hétérostracés Vertébrés agnathes Ordoviens à Dévoiens. *Bulletin du Muséum national d'Histoire naturelle, Paris: Science de la Terre*, **7**, 143–155.
- Blieck, A. (1992) At the origin of the Chordates, *Géobios* **1**, 101–33.
- Blieck, A. and Jahnke, H. (1980) Pteraspiden (Vertebrata, Hererostraci) aus dem Unteren Siegener Schichten und ihre stratigraphischen Konsequenzen. *Neues Jahrbuch für Geologie und Paläontologie Abhandlungen*, **159**, 360–78.
- Blieck, A. and Janvier, P. (1989) Vertebrés agnathes du Dévonien inférieur de l'Artois (Pas de Calais, France): implications biostratigraphiques. *Annals de Paléontologie*, **75**, 125–67.
- Blieck, A. and Janvier, P. (1991) Silurian vertebrates. In *The Murchison Symposium* (International Symposium on the Silurian System, Keele, 1989) (eds M.G. Bassett, et al.), *Palaeontological Association Special Paper*, **44**, 345–89.

## References

- Blieck, A., Goujet, D. and Janvier, P. (1987) The vertebrate stratigraphy of the Lower Devonian (Red Bay Group and Wood Bay Formation) of Spitsbergen. *Modern Geology*, **11**, 197–217.
- Blieck, A., Goujet, D., Janvier, P. and Meilliez, F. (1995) Revised Upper Silurian–Lower Devonian ichthyostriatigraphy of northern France and southern Belgium (Artois, Ardennes). *Bulletin du Muséum national d'Histoire naturelle, Paris* **17**, (4) 447–59.
- Blieck, A., Mark-Kurik, E. and Märss, T. (1988) Biostratigraphic correlations between Siluro-Devonian invertebrate-dominated and vertebrate-dominated sequences: the East Baltic example. In *Devonian of the World* (eds N.J. McMillan, A.F. Embry and D.L. Glass), *Canadian Society of Petroleum Geologists Memoir* **14**, II, 179–587.
- Blondeau, A. and Pomerol, Ch. (1968) A contribution to the study of the Palaeogene of England. *Proceedings of Geologists' Association*, **79**, 441–55.
- Blondel, C. (1992) Initiation à la micropalaeo-ichthyologie des micro-restes des vertébrés du Ludlow Bone Bed (Silurian supérieur, Angleterre). *Mémoire de Maîtrise de Géologie Fondamentale et Appliquée*. Université des Sciences et Technologies de Lille, Flandres, Artois.
- Bluck, B.J. (ed.) (1973) *Excursion Guide to the Geology of the Glasgow District*. Geological Society of Glasgow, Geology Department, University of Glasgow, 181 pp.
- Bluck, B.J. (1978) Sedimentation in a late orogenic basin: the Old Red Sandstone of the Midland Valley of Scotland. In *Crustal evolution in northwestern Britain and adjacent regions* (eds D.R. Bowes and B.E. Leake), *Geological Journal Special Issue*, **10**, 249–78.
- Bluck, B.J. (1983) The role of the Midland Valley of Scotland in the Caledonian Orogeny. *Transactions of the Royal Society of Edinburgh; Earth Sciences*, **74**, 61–8.
- Bluck, B.J., Cope, J.F.C. and Scrutton, C.T. (1992) Devonian. In *Atlas of palaeogeography and lithofacies* (eds J.F.C. Cope, K.C. Ingham and P.F. Rawson), *The Geological Society, London. Memoir*, No. **13**, pp. 57–66.
- Bone, A.D. (1985) *Fossils from Bracklesham to Selsey*. Privately published, Chichester, 32 pp.
- Bone, D.A. (1986) The stratigraphy of the Reading Beds (Palaeocene) at Felpham, West Sussex. *Tertiary Research*, **8**, 17–32.
- Boneham, B.F.W. and Wyatt, R.J. (1993) The stratigraphical position of the Middle Jurassic (Bathonian) Stonesfield Slate of Stonesfield, Oxfordshire, U.K. *Proceedings of the Geologists' Association*, **104**, 123–36.
- Bosma, A.A. (1974) Rodent biostratigraphy of the Eocene, Oligocene transitional strata of the Isle of Wight. *Utrecht Micropalaeontological Bulletin, Special Publications*, **1**, 133 pp.
- Boucot, A.J. and Janis, C. (1983) Environment of the Early Palaeozoic vertebrates. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **41**, 251–87.
- Bowie, S.H.U. and Aitken, D. (1956) An unusually radioactive fish from Thurso, Scotland. *Nature*, **177**, 487–8.
- Boyd, M.T. (1984) The Upper Carboniferous assemblage from Newsham, Northumberland. *Palaeontology*, **27**, 367–92.
- Boyd-Dawkins, W.B. (1864) Outline of the Rhaetic formation in west and central Somerset. *Geological Magazine*, **1**, 257–60.
- Bradshaw, M.J., Cope, J.C.W., Cripps, D.W. et al. (1992) Jurassic. In *Atlas of Palaeogeography and Lithofacies* (eds J.C.W. Cope, J.K. Ingham and P.F. Rawson), *The Geological Society, London. Memoir*, No. **13**, pp. 107–30.
- Briggs, D.E.G. and Clarkson, E.N.K. (1983) The Lower Carboniferous Granton 'shrimp bed', Edinburgh. In *Trilobites and other early arthropods: papers in honour of Professor H.B. Whittington, F.R.S.* (eds. D.E.G. Briggs and P.D. Lane), *Special Papers in Palaeontology*, **30**, 616–77.
- Briggs, D.E.G. and Crowther, P.R. (eds) (1990) *Palaeobiology: a Synthesis*, Blackwell, Oxford, 555 pp.
- Briggs, D.E.G., Smith, M.P., Clarkson, E.N.K. and Clark, N.D.L. (1995) The anatomy of conodonts. *Philosophical Transactions of the Royal Society, London*, **B332**, 405–21.
- Brown, G., Catt, J.A. and Weir, A.M. (1969) Zeolites of the clinoptilolite-heulandite type in sediments of south-east England. *Mineralogical Magazine*, **37**, 480–8.
- Bristow, C.R. (1985) The Geology of the country around Chelmsford. *Memoirs of the Geological Survey of Great Britain* (Sheet 241), HMSO, London, 100 pp.
- Bristow, C.R., Barton, C.M., Freshney, E.C., Wood, C.J., Evans, D.J., Cox, B.M. et al. (1995) Geology of the country around Shaftesbury. *Memoirs of the British Geological Survey* (Sheet 241), HMSO, London, 100 pp.

## References

---

- Geological Survey*, (Sheet 313), 166pp.
- Bristow, H.W. and Fisher, O. (1857) Comparative vertical sections of the Purbeck strata of Dorsetshire. *Geological Survey of the United Kingdom, Vertical Sections*, 22.
- Bristow, H.W., Reid, C. and Strahan, A. (1889) The Geology of the Isle of Wight. *Memoirs of the Geological Survey of Great Britain*. HMSO, London, 337pp.
- Britton, E.B. (1960) Beetles from the London Clay (Eocene) of Bognor Regis, Sussex. *Bulletin of the British Museum of Natural History (Geology)*, 4, 27–50.
- Broderip, W.J. (1828) Observations on the jaw of a fossil mammiferous animal found in the Stonesfield Slate. *Zoological Journal*, III, 408–22.
- Brodie, P.B. (1857a) Remarks on the Lias of Barrow in Leicestershire, compared with the lower part of that formation in Gloucestershire, Worcestershire and Warwickshire. *Annals and Magazine of Natural History*, 19, (2), 190–2.
- Brodie, P.B. (1857b) On the correlation of the Lower Lias at Barrow-on-Soar, in Leicestershire, with the same strata in Warwickshire, Worcestershire, and Gloucestershire; and on the occurrence of insects at Barrow and in Yorkshire. *Annals and Magazine of Natural History*, 19, (2), 31–4.
- Brongersma-Sanders, M. (1965) Metals of Kupferschiefer supplied by normal sea water. *Geologische Rundschau*, 55, 3647–75.
- Brongersma-Sanders, M. (1971) Origin of major cyclicity of evaporites and bituminous rocks: an actualistic model. *Marine Geology*, 11, 123–44.
- Brookfield, M.A. (1978) The lithostratigraphy of the Upper Oxfordian and Lower Kimmeridgian beds of south Dorset. *Proceedings of the Geologists' Association*, 89, 1–32.
- Brotzen, F. (1933) Die Silurischen und Devonischen Fischvorkommen in Westpolen, II. *Palaeobiology*, 6, 111–30.
- Brough, J. (1936) On the evolution of the bony fishes during the Triassic period. *Biological Reviews*, 11, 385–405.
- Brown, H.J.W. (1924) Notes on the geology of the district around Wrotham and Borough Green, Kent. *Proceedings of the Geologists' Association*, 35, 79–83.
- Brown, D.S. (1990) Lincolnshire plesiosaur hunter discovers rich vertebrate fauna. *Geology Today*, 6, 182.
- Brown, D.S. and Keen, J.A. (1991) An extensive marine restrictive fauna from the Kelloways Sand (Callovian, Middle Jurassic) of Lincolnshire. *Mercian Geologist*, 12, 87–96.
- Brown, E.E.S. (1936) Field meeting at Herne Bay and Reculver. *Proceedings of the Geologists' Association*, 47, 349–51.
- Brown, T. (1861) Notes on the Mountain Limestone and Lower Carboniferous rocks of the Fifeshire coast from Burntisland to St. Andrews. *Proceedings of the Royal Society of Edinburgh*, 4, 298–300.
- Browns and Priests, (1924) The Watling Street Sections through Swanscombe Hill. *Proceedings of the Geologists' Association*, 35, 142–9
- Browne, E.C. (1889a) On a fossil fish (*Chondrosteus*) from Barrow-on-Soar, hitherto recorded only from Lyme Regis. *Transactions of Leicester Literary and Philosophical Society*, 11, 17–35.
- Browne, M. (1889b) *The Vertebrate Animals of Leicestershire and Rutland*. Midland Education Co., Birmingham and Leicester, 223 pp.
- Browne, M. (1894a) On some vertebrate remains not hitherto recorded from the Rhaetic beds of Britain. *Report of the British Association for the Advancement of Science*, 1893 (1894), 748–9.
- Browne, M. (1894b) On some vertebrate remains from the Rhaetic strata of Britain. *Report of the British Association for the Advancement of Science*, 64, 657–8.
- Bruggen, W. van der, Schram, F.R. and Marthill, D.M. (1997) The Fossil *Ainiktozoon* is an arthropod. *Nature*, 385, 589–91.
- Buckland, W. (1824) Notice on the Megalosaurus, or great fossil lizard of Stonesfield. *Transactions of the Geological Society, London, Series 4*, 1, 390–6.
- Buckland, W. (1836) Notice on the fossil beaks from extinct species of fishes, referable to the genus *Climsaera* that occur in the Oolitic and Cretaceous formations of England. *Philosophical Magazine*, 8, (3), 4–7.
- Buckland, W. (1837) On the occurrence of Keuper-Sandstone in the upper region of the New Red Sandstone formation or Poikilitic system in England and Wales. *Proceedings of the Geologists' Association*, 2, 453–4.
- Buckland, W. (1844) President's Address, 1839. *Proceedings of the Ashmolean Society*, 16, 5–7.

## References

---

- Buckland, W. and Conybeare, W.D. (1824) Observations on the south-western coal district of England. *Transactions of the Geological Society of London*, **66**, 52–89.
- Buffetaut, E. and Ford, R.L.E. (1979) The crocodilian *Bernissartia* in the Wealden of the Isle of Wight. *Palaeontology*, **22**, 905–12.
- Buffetaut, E. and Hutt, S. (1980) *Vectisuchus leptognathus* n. gen. n. sp. a slender-snouted goniopholid crocodilian from the Wealden of the Isle of Wight. *Neues Jahrbuch für Geologie und Paläontologie, Monatshefte*, 223–39.
- Buffetaut, E. and LeLoeuff, J. (1991) Late Cretaceous dinosaur faunas of Europe. Some correlation problems. *Cretaceous Research*, **12**, 159–76.
- Bulman, O.M.B. (1930) On the general morphology of the Anapsid, *Lasanius*, Traquair. *Annals and Magazine of Natural History*, **6**, 354–62.
- Bulman, O.M.B. (1931) Note on *Palaeospondylus gunni*, Traquair. *Annals and Magazine of Natural History*, **8**, 179–90.
- Burgess, I.C. (1961) Fossil soils of the Upper Old Red Sandstone of south Ayrshire. *Transactions of the Geological Society of Glasgow*, **24**, 138–53.
- Burrows, H.W. and Holland, R. (1896) The foraminifera of the Thanet Beds of Pegwell Bay. *Proceedings of the Geologists' Association*, **15**, 19–52.
- Burton, E.StJ. (1929) The horizons of Bryozoa (Polyzoa) in the Upper Eocene Beds of Hampshire. *Quarterly Journal of the Geological Society of London*, **85**, 223–39.
- Burton, E.StJ. (1933) Faunal horizons in the Barton Beds of Hampshire. *Proceedings of the Geologists' Association*, **44**, 131–66.
- Burton, F.M. (1867) On the Rhaetic beds, near Gainsborough and the surrounding strata. *Quarterly Journal of the Geological Society, London*, **23**, 315–22.
- Bystrov, A.P. (1949) *Pbleolepis elegans* Pander. *Doklady Akademii Nauk, USSR*, **64**, 245–6.
- Callomon, J.H. (1963) Sexual dimorphism in Jurassic Ammonites. *Transactions of the Leicester Literary Philosophical Society*, **57**, 21–56.
- Callomon, J.H. (1968) The Kellaways Beds and Oxford Clay. In *The Geology of the East Midlands* (eds P.C. Sylvester-Bradley and T.D. Ford), University of Leicester Press.
- Callomon, J.H., Oates, M.J., Coe, A.L. and Metcalf, S.J. (1993) Day excursion B: Jurassic of Oxfordshire and Cotswolds. *Arkell International Symposium on International Jurassic Geology. Geological Society Guide*, 47 pp.
- Cameron, J.B. and Stephenson, D. (eds) (1984) *The Midland Valley of Scotland*, 3rd edn, *British Regional Geology*, HMSO, Edinburgh, 172 pp.
- Campbell, K.S.W. and Bell, M.W. (1977) A primitive amphibian from the Late Devonian of New South Wales. *Alcheringa*, **1**, 369–81.
- Campbell, R. (1911) Preliminary note on the geology of south-eastern Kincardineshire. *Geological Magazine*, **8**, 63–9.
- Campbell, R. (1912a) On the geology of south eastern Kincardineshire. *Proceedings of the Geologists' Association*, **23**, 295–8.
- Campbell, R. (1912b) Cambrian, Downtonian and Lower Old Red Sandstone rocks near Stonehaven. *Proceedings of the Geologists' Association*, **23**, 291–4, 297–8.
- Campbell, R. (1913) The geology of northeastern Kincardineshire. *Transactions of the Royal Society, Edinburgh*, **48**, 1–37.
- Cappetta, H. (1973) Selachians from the Carlile Shale (Turonian) of South Dakota. *Journal of Palaeontology*, **73**, 504–14.
- Cappetta, H. (1975) *Les sélaciens eocènes du Monte Bolca*. Verona City Museum, 55 pp.
- Cappetta, H. (1976a) Sélaciens nouveaux du London Clay de l'Essex (Yprésien du Bassin de London). *Geobios*, **9**, 551–75.
- Cappetta, H. (1976b) Observations sur quelques Sélaciens du Crétacé supérieur d'Angleterre avec la description d'un genre nouveau. *Geobios*, **10**, 479–85.
- Cappetta, H. (1980) Modification du Statut générique de quelques espèces de sélaciens Crétacés et Tertiaires. *Palaeovertebrata*, **10**, 29–42.
- Cappetta, H. (1987) Chondrichthyes II. In *Handbook of Paleoichthyology*, Vol. 3B (ed. H.-P. Schultze). Gustav Fischer Verlag, Stuttgart, New York, 193 pp.
- Cappetta, H. and Case, G.R. (1975) Contribution à l'étude des sélaciens du groupe Monmouth (Campanian–Maastrichtian) du New Jersey. *Palaeontographica, Abteilung A*, **151**, 1–46.
- Cappetta, H. and Ward, D.J. (1977) A new Eocene shark from the London Clay of Essex. *Palaeontology*, **20**, 195–202.
- Cappetta, H., Duffin, C. and Zidek, J. (1993) Chondrichthyes. In *The Fossil Record 2* (ed.

## References

---

- M.J. Benton), Chapman and Hall, London, 593–609.
- Carroll, R.L. (1977) Patterns of amphibian evolution: an extended example of the incompleteness of the fossil record. In *Patterns of Evolution* (ed. A. Hallam), Elsevier Scientific Publications, Amsterdam, pp. 405–37.
- Carroll, R.L. (1988) *Vertebrate Paleontology and Evolution*. W.H. Freeman and Co., New York, 648 pp.
- Carroll, R.L. (1996) Elongate early tetrapods: why 'Lizzie' had little limbs. *Special Papers in Palaeontology*, **52**, 139–48.
- Carroll, R.L., Belt, E.S., Dineley, D.L., Baird, D. and McGregor, D.C. (1972) Excursion A59, *Vertebrate Palaeontology of Eastern Canada*. 24th International Geological Congress, Montreal, Quebec, 113 pp.
- Carter, H.J. (1888) On some vertebrate remains in the Triassic strata of the south coast of Devonshire between Budleigh Salterton and Sidmouth. *Quarterly Journal of the Geological Society, London*, **44**, 160–70.
- Casey, R. (1965) see Edmonds, E.A. and Dinham, C.H.
- Casier, E. (1947) Constitution et évolution de la racine dentition des Euselachi, pts I, II and III. *Bulletin Muséum d'Histoire naturel Belge*, **23**, **13**, 1–15; **14**, 1–32; **15**, 1–45.
- Casier, E. (1966) *Faune ichthyologique du London Clay*. British Museum (Natural History), London, 2 vols, 496 pp.
- Casier, E. (1967) Le Landânier de Dormaal (Brabant) et sa faune ichthyologique. *Institut royale des Sciences naturelles de Belgique, Memoire* **156**, 1–66.
- Cater, J.M.L. (1987) Sedimentology of part of the Lower Oil-Shale Group (Dinantian) sequence at Granton, Edinburgh, including the Granton 'Shrimp Bed'. *Transactions of the Royal Society, Edinburgh: Earth Sciences*, **78**, 29–40.
- Cave, R. (1977) *Geology of the Malmesbury District*. Memoir of the Geological Survey of Great Britain, HMSO, London, 291pp.
- Cave, R. and White, D.E. (1971) The exposures of Ludlow rocks and associated beds at Tites Point and near Newnham, Gloucestershire. *Geological Journal*, **7**, 239–254.
- Chandler, M.E.J. (1961) Flora of the Lower Headon Beds of Hampshire and the Isle of Wight. *Bulletin of the British Museum (Natural History)*, **5**, 91–158.
- Chandler, M.E.J. (1964) *The lower Tertiary Floras of England III. Flora of the Bournemouth Beds; the Boscombe and Highcliffe Sands*. British Museum (Natural History), 169 pp.
- Chapman, F. (1894) The Bargate Beds of Surrey and their microscopic contents. *Quarterly Journal of the Geological Society, London*, **50**, 677–780.
- Chaloner, W. and Lawson, J.D. (eds) (1985) *Evolution and Environment in the Later Silurian and Early Devonian*. The Royal Society, London, 342 pp.
- Channon, P.J. (1950) New and enlarged Jurassic sections in the Cotswolds. *Proceedings of the Geologists' Association*, **61**, 242–60.
- Charlesworth, E. (1855) Notice on new vertebrate fossils. *Report for the British Association for the Advancement of Science, Liverpool*, **25**, 80.
- Chatwin, C.P. (1954) *British Regional Geology: East Anglia and Adjacent Areas*, 3rd edn., HMSO, London, 99 pp.
- Chen, J.-Y., Dzik, J., Edgecombe, G.D., Ramskjøld, L. and Zhou, G.-Q. (1995) A possible Early Cambrian chordate. *Nature*, **377**, 720–2.
- Chorn, J. and Reavis, E.A. (1978) Affinities of the chondrichthyan organ-genera *Listracanthus* and *Petroodus*. *University of Kansas Paleontological Contributions*, No. **89**, 4–9.
- Clack, J.A. (1994) *Silvanerpeton miripes*, a new anthracosauroid from the Viséan of East Kirkton, West Lothian, Scotland. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **84**, 369–78.
- Clack, J.A. and Coates, M.I. (1995) *Acanthostega gunnari*, a primitive aquatic tetrapod? In *Études sur les Vertébrés inférieurs* (eds M. Arsenault, H. Lelievre and P. Janvier), *Bulletin du Muséum national d'Histoire naturelle, Paris*, C, 1–4, 235–68.
- Clark, N.D.L. (1989) A study of Namurian crustacean-bearing shale from the western Midland Valley of Scotland. Unpublished PhD thesis, University of Glasgow.
- Clark, N.D.L. (1990) *Minicaris brandi* Schram 1979, a syncarid crustacean from the Namurian Carboniferous. *Scottish Journal of Geology*, **26**, 125–30.
- Clark, N.D.L. (1991) *Palaemysis dunlopi* Peach 1908 (Eocaridida, Crustacea) from the Namurian (Carboniferous) of the western

## References

---

- Midland Valley. *Scottish Journal of Geology*, **27**, 1–10.
- Clarke, B.B. (1950) The geology of Garnon's Hill and some observations on the formation of the Downtonian rocks of Herefordshire. *Transactions of the Woolhope Naturalists' Field Club*, **33**, 97–111.
- Clarke, B.B. (1951) The geology of Dinmore Hill, Herefordshire, with a description of a new myriapod from the Dittonian rocks there. *Transactions of the Woolhope Naturalists' Field Club*, **33**, 222–37.
- Clarke, B.B. (1954) The Old Red Sandstone of the Merback Ridge, Herefordshire, with an account of the Middlewood Sandstone, a new fossiliferous horizon 500 ft. below the Psammosteus Limestone. *Transactions of the Woolhope Naturalists' Field Club*, **34**, 1–24.
- Clarkson, E.N.K. (1986) Granton and Wardie shore, 76–80 In *Lothian Geology an excursion guide*, (eds A.D. McAdam and E.N.K. Clarkson) Scottish Academic Press, 221pp.
- Clarkson, E.N.K. (1985) Palaeoecology of the Dinantian of Foulden, Berwickshire, Scotland. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **76**, 97–100.
- Clarkson, E.N.K., Milner, A.R. and Coates, M.I. (1994) Palaeoecology of the Viséan of East Kirkton, West Lothian, Scotland. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **84**, 417–425.
- Cleal, C.J. and Thomas, B.A. (1995) *Palaeozoic Palaeobotany of Great Britain. Geological Conservation Review Series*, No. 9, Chapman and Hall, London, 282 pp.
- Cleal, C.J. and Thomas, B.A. (in prep.) *Mesozoic to Tertiary Palaeobotany of Great Britain. Geological Conservation Review Series*, Joint Nature Conservation Committee, Peterborough.
- Clemens, W.A. (1963) Wealden mammalian fossils, *Palaeontology*, **6**, 55–69.
- Clemens, W.A. and Lees, P.M. (1971) A review of English Early Cretaceous mammals. In *Early Mammals* (eds D.M. Kermack and K.A. Kermack). *Zoological Journal of the Linnean Society*, **50**, (Supplement 1), Academic Press, London, pp.117–30.
- Clements, R.G. (1969) see Torrens, H.S. 1969.
- Clements, R.G. (1989a) Annotated cumulative section of the Purbeck Beds between Peveril Point and the Zig-Zag Path, Durlston Bay. In *International Field Symposium on the British Jurassic. Excursion No 1, Guide for Dorset and S. Somerset*. University of Keele, Keele, A35.
- Clements, R.G. (1989b) The Inferior Oolite, Fullers Earth and Cornbrash. In *International Field Symposium on the British Jurassic. Excursion No 1, Guide for Dorset and S. Somerset*. University of Keele, Keele, A1–A7.
- Clements, R.G. (1993) Type-section of the Purbeck Limestone Group, Durlestone Bay, Swanage, Dorset. *Proceedings of the Dorset Natural History and Archaeological Society*, **144**, 181–206.
- Clough, C.T., Barrow, G., Crampton, C.B. et al. (1910) *The Geology of East Lothian, Including Parts of the Counties of Edinburgh and Berwick*. Geological Survey of Scotland District Memoir, 2nd edn. HMSO, Edinburgh.
- Clouston, J. (1845) The Parish of Sandwick. *The New Statistical Account of Scotland*, **15**, 1–44.
- Coates, M.I. (1988) A new fauna of Namurian (Carboniferous) fishes from Bearsden, Glasgow. Unpublished PhD thesis, University of Newcastle-upon-Tyne.
- Coates, M.I. (1993) New actinopterygian fish from the Namurian Manse Burn Formation of Bearsden, Scotland. *Palaeontology*, **36**, 123–46.
- Coates, M.I. (1994) Actinopterygian and acanthodian fishes from the Viséan of East Kirkton, West Lothian, Scotland. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **84**, 317–27.
- Coates, M.I. (1996) The Devonian tetrapod *Acanthostega gunnari* Jarvik: postcranial anatomy, basal tetrapod interrelationships and patterns of skeletal evolution. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **87**, 363–421.
- Coates, M.I. and Clack, J.A. (1995) Romer's gap: tetrapod origins and terrestriality. *Bulletin du Muséum national d'Histoire naturelle, Paris*, **17**, 373–88.
- Cocks, L.R.M., Holland, C.H. and Rickards, R.B. (1992) *A Revised Correlation of Silurian rocks in the British Isles*. Geological Society of London Special Report, **21**.
- Colenutt, G.W. (1888) On a portion of the Osborne Beds of the Isle of Wight, and on some remarkable remains recently discovered therein. *Geological Magazine*, **5**, 358–62.
- Colenutt, G.W. (1903) Note on the geology of

## References

---

- the Osborne Beds. *Geological Magazine*, **10**, 99–102.
- Collins, J.G. (1981) The Osteostraci (Agnatha) – A case history in contrasting methodologies of classification. *International Symposium on Concepts and Methods in Palaeontology*, Barcelona, pp. 111–23.
- Collinson, J.D. (1978) Alluvial Sediments. In *Sedimentary Environments and Facies* (ed. H.G. Reading), Blackwell Scientific Publications, Oxford, pp. 15–60.
- Collinson, M.E. (1983) *Fossil plants of the London Clay*. Palaeontological Association Field Guide to Fossils, **1**.
- Collinson, M.E. and Hooker, J.J. (1987) Vegetational and mammalian faunal changes in the Early Tertiary of southern England. In *The Origins of Angiosperms and their Biological Consequences* (eds E.M. Friis, W.G. Chaloner and P.R. Crane), Cambridge University Press, Cambridge, pp. 259–304.
- Compagno, L.J.V. (1977) Phyletic relationships of living sharks and rays. *American Zoologist*, **17**, 303–22.
- Conway Morris, S. and Zhang, X. (1996) A *Pikaia*-like chordate from the Lower Cambrian of China. *Nature*, **384**, 157–8.
- Conybeare, W.D. and Phillips, W.J. (1822) *Outlines of the Geology of England and Wales*. W. Phillips, London.
- Cook, E. (1995) Sediment log and taphonomy of Wealden (Lower Cretaceous) bone accumulations. Unpublished PhD thesis, University of Bristol, 272 pp.
- Cookson, I.C. and Hughes, N.F. (1964) Microplankton from the Cambridge Greensand (mid Cretaceous). *Palaeontology*, **7**, 37–59.
- Cooper, J. (1976a) Report of field meeting at Harefield, Middlesex, 14.3.76. *Tertiary Research*, **1**, 147–9.
- Cooper, J. (1976b) British Tertiary stratigraphical and rock terms formal and informal, additional to Curry 1958, Lexique Stratigraphique International. *Tertiary Research Special Paper*, **1**, 37 pp.
- Cooper, J. (1977) The palaeontology of the London Clay (Lower Eocene) of the Herne Bay coastal section, Kent, England. *Proceedings of the Geologists' Association*, **88**, 163–78.
- Cope, E.D. (1872) On the families of fishes of the Cretaceous formation in Kansas. *Proceedings of the American Philosophical Society*, **12**, 327–57.
- Cope, J.C.W. (1967) The palaeontology and stratigraphy of the lower part of the Upper Kimmeridge Clay of Dorset. *Bulletin of the British Museum (Natural History) Geology*, **15**, 79 pp.
- Cope, J.C.W. (1978) The ammonite faunas and stratigraphy of the upper part of the Upper Kimmeridge Clay of Dorset. *Palaeontology*, **21**, 469–533.
- Cope, J.C.W. (1993) The Bolonian Stage: an old answer to an old problem. *Newsletters in Stratigraphy*, **28**, 156–63.
- Cope, J.C.W., Duff, K.L., Parsons, C.F. et al. (1980a) A Correlation of Jurassic rocks in the British Isles. Part Two: Middle and Upper Jurassic. *Geological Society of London, Special Report*, **15**, 109 pp.
- Cope, J.C.W., Getty, T.A., Howarth, M.K., Morton, N. and Torrens, H.S. (1980b) A Correlation of the Jurassic Rocks of the British Isles. Part One: Introduction and Lower Jurassic. *Geological Society of London, Special Report*, **14**, 73 pp.
- Cope, J.C.W., Ingham, J.K. and Rawson, P.E. (eds) (1992) *Atlas of Palaeogeography and Lithofacies. The Geological Society London, Memoir*, No. **13**, 153 pp.
- Corroy, G. (1929) Les vertébrés du trias de Lorraine et le Trias lorrain. *Annales de Paléontologie*, **17**, 83–136.
- Costa, L., Downie, C. and Eaton, G.L. (1976) Palynostratigraphy of some Middle Eocene sections from the Hampshire Basin (England). *Proceedings of the Geologists' Association*, **87**, 273–84.
- Cowie, J.W. and Bassett, M.G. (1989) *Global Stratigraphic Chart*. International Union of Geological Sciences, *Episodes* **12**, 2, supplement.
- Cox, B.M. (1990) A review of Jurassic chronostratigraphy and age indicators for the U.K. In *Tectonic Events Responsible for Britain's Oil and Gas Reserves* (eds R.F.P. Hardman and J. Brooks), Geological Society of London, Special Publication, **55**, pp. 169–90.
- Cox, B.M. and Gallois, R.W. (1981) The stratigraphy of the Kimmeridge Clay of the Dorset type area and its correlation with some other Kimmeridgian sequences. *Report of the Institute of Geological Sciences*, **80**, 43 pp.
- Cox, B., Gardiner, B.G., Savage, R.J.G. and Dixon, D. (1988) *The MacMillan Encyclopedia of Dinosaurs and Prehistoric Animals*. MacMillan, London and Basingstoke, 256 pp.

## References

---

- Cox, L.R. (1950) Field meeting in the Cotswolds. *Proceedings of the Geologists' Association*, **61**, 261–7.
- Craig, G.Y.(ed.) (1983) *The Geology of Scotland*, 2nd edn, Scottish Academic Press, 472pp.
- Craig, G.Y. and Duff, P.M.L.D. (1975) *The Geology of the Lothians and South east Scotland*. Scottish Academic Press, 157pp.
- Crampton, C.B. and Carruthers, R.G. (1914) *The Geology of Caithness*. Memoirs of the Geological Survey of Scotland.
- Cray, P.E. (1973) Marsupalia, Insectivora, Primates, Creodonta and Carnivora from the Headon Beds (Upper Eocene) of southern England. *Bulletin of the British Museum (Natural History), Geology*, **23**, 102 pp.
- Crowell, J.C. (1978) Gondwana glaciations, cyclothsems, continental positioning and climate change. *American Journal of Science*, **278**, 1345–72.
- Crowell, J.C. (1982) 6. Continental glaciation through geologic time. In *Climate in Earth History (Studies in Geophysics)*, National Academy Press, Washington, DC, 77–82.
- Curry, D. (1958) The Barton area. In *Geology of the Southampton Area* (eds D. Curry and D.E. Wisden), The Geologists' Association, London, pp. 8–12.
- Curry, D. (1965) The Palaeogene beds of south-east England. *Proceeding of the Geologists' Association*, **76**, 151–73.
- Curry, D. (1992) Tertiary. In *Geology of England and Wales* (eds P. McL.D. Duff and A.J. Smith), The Geological Society, London, pp. 389–412.
- Curry, D. and Wisden, D.E. (1958) *Geology of the Southampton Area*. Geologists' Association Guide, 16 pp.
- Curry, D., Adams, G.C., Boulter, M.C. et al. (1978) A correlation of Tertiary rocks in the British Isles. *The Geological Society of London, Special Report*, **12**, 72 pp.
- Curry, D., King, A.D., King, C. and Stinton, F.C. (1977) The Bracklesham Beds (Eocene) of Bracklesham Bay and Selsey, Sussex. *Proceedings of the Geologists' Association*, **88**, 243–54.
- Curtis, M.L.K. (1972) The Silurian rocks of the Tortworth Inlier, Gloucestershire. *Proceedings of the Geologists' Association*, **83**, 1–35.
- Cuvier, G. and Brongniart, A. (1810) Essai sur la géographie minéralogique des environs de Paris. *Classes de Science, Mathematique, Physique, Institut imperial, France*, 278 pp.
- Daeschler, E.B. and Schubin, N. (1995) Tetrapod Origins. *Paleobiology*, **21**, 404–9.
- Daley, B. (1973) The palaeoenvironment of the Bembridge Marls (Oligocene) of the Isle of Wight, Hampshire. *Proceedings of the Geologists' Association*, **84**, 83–93.
- Daley, B. and Balson, P. (1999) *British Tertiary Stratigraphy; Geological Conservation Review Series*, No. 15, Joint Nature Conservation Committee, Peterborough.
- Daley, B. and Insole, A. (1984) *The Isle of Wight*. Geologists' Association Guide, **25**, 36 pp.
- Daley, B. and Stewart, D.J. (1979) Weekend field meeting: the Wealden Group in the Isle of Wight, 17–19th June 1977. *Proceedings of the Geologists' Association*, **90**, 51–4.
- Dalinkevicius, J. A. (1935) On the fossil fishes of the Lithonian chalk. I. Selachii. *Memoirs of the Faculty of Science, University Vytautas le Grand*, **9**, 243–305.
- Dames, W. (1888) Die Ganoiden aus dem deutschen Muschelkalkes. *Geologische und Paläontologische Abteilungen*, **IV**, 133–79.
- Damon, R. (1884) *Geology of Weymouth, Portland and coast of Dorsetshire from Swanage to Bridport-on-the-Sea: with natural history and archaeological notes*, 2nd edn, Weymouth, 250 pp.
- Davis, A.G. (1936) The London Clay of Sheppey and the location of its fossils. *Proceedings of the Geologists' Association*, **47**, 328–45.
- Davis, A.G. (1937) Additional notes on the geology of Sheppey. *Proceedings of the Geologists' Association*, **48**, 77–81.
- Davis, A.G. and Elliott, G.F. (1957) The Palaeogeography of the London Clay Sea. *Proceedings of the Geologists' Association*, **68**, 255–77.
- Davies, J.W. (1886) Notes on a collection of fossil-fish remains from the Mountain Limestone of Derbyshire. *Geological Magazine*, **3**, 148–57.
- Davies, L.M. (1936) The Geology of Inchkieth. *Transactions of the Royal Society of Edinburgh*, **58**, 753–86.
- Davies, W. (1887) On new species of *Pholidophorus* from the Purbeck Beds of Dorsetshire. *Geological Magazine*, **4**, (3), 337–9.
- Dawkins, W.B. (1864) On the Rhaetic beds and White Lias of western and coastal Somerset and the discovery of a new fossil mammal in the grey marlstones beneath the bone-bed.

## References

---

- Quarterly Journal of the Geological Society of London*, **20**, 396–412.
- Dean, W.T. (1954) Notes on part of the Upper Lias Succession at Blea Wyke, Yorkshire. *Proceedings of the Yorkshire Geological Society*, **29**, 161–79.
- de Beer, G.R. and Moy-Thomas, J.A. (1935) On the skull of Holocephali. *Philosophical Transactions of the Royal Society, London*, **B224**, 287–312.
- de Beaumont, G. (1960) Observations préliminaires sur trois Sélaciens nouveaux du Calcaire lithographique d'Eichstätt (Bavière). *Eclogae Geologae Helvetiae*, **53**, 315–28.
- Delair, J.B. (1969) A history of the early discoveries of Liassic ichthyosaurs in Dorset and Somerset. *Proceedings of the Dorset Natural History and Archaeological Society*, **90**, 115–27.
- Delair, J.B. and Sarjeant, W.A.S. (1975) The earliest discoveries of dinosaurs. *Isis*, **66**, 5–25.
- Denison, R.H. (1941) The soft anatomy of *Bothriolepis*. *Journal of Paleontology*, **15**, 553–61.
- Denison, R.H. (1951a) Evolution and classification of the Osteostraci. *Fieldiana: Geology*, **11**, 156–96.
- Denison, R.H. (1951b) The exoskeleton of early Osteostraci. *Fieldiana: Geology*, **11**, 198–218.
- Denison, R.H. (1955) Early Devonian vertebrates from the Knoydart Formation of Nova Scotia. *Fieldiana: Zoology*, **37**, 449–64.
- Denison, R.H. (1956) A review of the habitat of the earliest vertebrates. *Fieldiana: Geology*, **11**, 359–457.
- Denison, R.H. (1961) Feeding mechanisms of Agnatha and early Gnathostomes. *American Zoologist*, **1**, 177–81.
- Denison, R.H. (1963) New Silurian Heterostraci from southeastern Yukon. *Fieldiana: Geology*, **14**, 105–141.
- Denison, R.H. (1964) The Cyathaspididae: A family of Silurian and Devonian jawless vertebrates. *Fieldiana: Geology*, **13**, 309–473.
- Denison, R.H. (1967a) Ordovician vertebrates from western United States. *Fieldiana: Geology*, **16**, 131–92.
- Denison, R.H. (1967b) A new *Protaspis* from the Devonian of Utah, with notes on the classification of Pteraspidae. In *Fossil Vertebrates: papers presented to Dr. Errol I. White* (eds C. Patterson and P.H. Greenwood), Academic Press, pp. 353–413.
- Denison, R.H. (1970) Revised classification of Pteraspidae with description of new forms from Wyoming. *Fieldiana: Geology*, **20**, 1–41.
- Denison, R.H. (1974) The structure and evolution of teeth in lungfishes. *Fieldiana: Geology*, **33**, 31–58.
- Denison, R.H. (1978) Placodermi. In *Handbook of Paleoichthyology*, Vol. 2 (ed. H.-P. Schultz), Gustav Fischer Verlag, Stuttgart, New York, 128 pp.
- Denison, R.H. (1979) Acanthodii. In *Handbook of Paleoichthyology*, Vol. 5 (ed. H.-P. Schultz), Gustav Fischer Verlag, Stuttgart, New York, 62 pp.
- Denison, R.H. (1984) Further consideration of the phylogeny and classification of the order Arthrodira (Pisces: Placodermi). *Journal of Vertebrate Paleontology*, **4**, 369–412.
- De Rance, C.E. (1868) On the Albian or Gault of Folkstone, *Geological Magazine*, **5**, 163–71.
- Desmond, A.J. (1974) On the coccosteid arthrodire *Millerosteus minor*. *Zoological Journal of the Linnean Society*, **54**, 277–98.
- Dewey, H., Bromehead, L.E.N., Chatwin, C.P. and Dines, H.G. (1924) *The Geology of the Country around Dartford*. (Sheet 271), Memoirs of the Geological Survey of Great Britain, HMSO, London, 121 pp.
- Dibley, G.E. (1900) Zonal features of the Chalk pits in the Rochester, Gravesend and Croydon areas. *Proceedings of the Geologists' Association*, **16**, 484–96.
- Dibley, G.E. (1904) Excursion to Holborough and Burnham. *Proceedings of the Geologists' Association*, **18**, 474–5.
- Dibley, G.E. (1907) Excursion to Rochester, Wouldham and Blue Bell Hill. *Proceedings of the Geologists' Association*, **20**, 178–81.
- Dibley, G.E. (1918) Additional notes on the chalk of the Medway Valley, Gravesend, west Kent, north-east Surrey and Grays (Essex). *Proceedings of the Geologists' Association*, **29**, 68–93.
- Dibley, G.E. (1922) Excursion to Blue Bell Hill, Rochester. *Proceedings of the Geologists' Association*, **33**, 75–6.
- Dibley, G.E. and Spath, L.F. (1926) Report on an excursion to Burnham and Aylesford, Kent. *Proceedings of the Geologists' Association*, **37**, 432–3.
- Dick, J.R.F. (1978) On the Carboniferous shark *Tritychius arcuatus* Agassiz from Scotland.

## References

---

- Transactions of the Royal Society of Edinburgh: Earth Sciences*, **70**, 1–108.
- Dick, J.R.F. (1981) *Diplodeselache woodi* gen. et sp. nov., an early Carboniferous shark from the Midland Valley of Scotland. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **72**, 99–113.
- Dick, J.R.F. and Maisey, J. (1980) The Scottish Carboniferous *Onychoselache traquairi*. *Palaeontology*, **23**, 363–74.
- Dick, J.R.F., Coates, M.I. and Rolfe, W.D.I. (1986) Fossil sharks. *Geology Today*, **2**, 82–5.
- Dineley, D.L. (1951) The northern part of the Lower Old Red Sandstone outcrop of the Welsh Borders. *Transactions of the Woolhope Naturalists' Field Club*, **33**, 127–47.
- Dineley, D.L. (1964) New specimens of *Traquairaspis* from Canada. *Palaeontology*, **7**, 210–19.
- Dineley, D.L. (1966) The Dartmouth Beds of Bigbury Bay. *Quarterly Journal of the Geological Society of London*, **122**, 187–217.
- Dineley, D.L. (1967) The Lower Devonian Knoydart faunas. *Zoological Journal of the Linnean Society*, **47**, 15–29.
- Dineley, D.L. (1968) Osteostraci from Somerset Island. Contributions to Canadian Palaeontology Pt. II. *Geological Survey of Canada Bulletin*, **165**, 47–83.
- Dineley, D.L. (1973) The fortunes of the early vertebrates. *Geology: Journal of the Association of Teachers of Geology*, **5**, 2–20.
- Dineley, D.L. (1982) Difficulties in the vertebrate biostratigraphy of the Old Red Sandstone of the British Isles. In *Biostratigraphy of Lower and Middle Devonian Deposits* (eds B.S. Sokolov and M.A. Rzhonsnitskaya), Akademia NAUK CCCP, pp. 54–7. [In Russian with English abstract.]
- Dineley, D.L. (1986) Cornubian Quarter-century: Advances in the geology of south-west England. *Proceedings of the Ussher Society*, **6**, 275–90.
- Dineley, D.L. (1990) Palaeozoic fishing – The Franklinian Grounds. In *Canada's Missing Dimension: Science and History in the Canadian Arctic Islands* (ed. C.R. Harington), Canadian Museum of Nature, Ottawa, **1**, pp. 55–80.
- Dineley, D.L. (1992) Devonian. In *Geology of England and Wales* (eds P.McL.D. Duff and A.J. Smith), The Geological Society, London, pp. 179–205.
- Dineley, D.L. and Gossage, D.W. (1959) The Old Red Sandstone of the Cleobury Mortimer area, Shropshire. *Proceedings of the Geologists' Association*, **70**, 221–38.
- Dineley, D.L. and Liu, Y. (1984) A new actinolepid arthrodire from the Lower Devonian of Arctic Canada. *Palaeontology*, **27**, 875–88.
- Dineley, D.L. and Loeffler, E.J. (1976) Ostracoderm faunas of the Delorme and associated Siluro-Devonian formations, Northwest Territories, Canada. *Special Papers in Palaeontology*, **18**, 1–214.
- Dineley, D.L. and Loeffler, E.J. (1993) Biostratigraphy of the Silurian and Devonian gnathostomes of the Euramerica Province. In *Palaeozoic Vertebrate Biostratigraphy and Biogeography* (ed. J.A. Long), Belhaven Press, London, 104–38.
- Dineley, D.L. and Loeffler, E.J. (in press) Vertebrate communities in the Lower Old Red Sandstone of the Anglo-Welsh Basin. In *Palaeocommunities: a case study from the Silurian and Lower Devonian* (eds A.J. Boucot and J.D. Lawson), Cambridge University Press.
- Dineley, D.L. and Williams, B.P.J. (1978) Excursion B2 The Old Red Sandstone of the Welsh Borderland and South Wales: Introduction. In *A field guide to selected outcrop areas of the Devonian of Scotland, the Welsh Borderland and South Wales*, (eds P.F. Friend and B.P.J. Williams). The Palaeontological Association, 58–61.
- Dines, H.G., Holmes, S.C.A. and Robbie, J.A. (1954) *Geology of the Country around Chatham* (Sheet 272). Memoirs of the Geological Survey of Great Britain, HMSO, London, 157 pp.
- Dixon, E.E.L. (1904) In *Summary of Progress of the Geological Survey, London*, 1903, HMSO, 228–9.
- Dixon, F. (1850) *The Geology and Fossils of the Tertiary and Cretaceous Formations of Sussex*. Longmans, Brown, Green and Longmans, London, 422 pp.
- Dixon, F. (1878) *The Geology of Sussex: or the geology and fossils of the Tertiary and Cretaceous formations of Sussex*, 2nd edn. Longmans, Brown, Green and Longmans, London, pp. 469.
- Dixon, J.E., Fitton, J.G. and Frost, R.T.C. (1981) The tectonic significance of post-Carboniferous igneous activity in the North Sea Basin. In *Petroleum Geology of the Continental Shelf of North-West Europe*. (eds

## References

---

- L.V. Illing and D.G. Hobson), Hayden, London, pp. 121–37.
- Dodson, P., Behrensmayer, A.K. and Bakker, R.T. (1980) Taphonomy and Palaeoecology of the dinosaur beds of the Jurassic Morrison Formation. *Paleobiology*, **6**, 208–32.
- Dolby, G. and Neves, R. (1967) Palynological evidence concerning the Devonian-Carboniferous boundary in the Mendips, England. *Comptes Rendus 6e Congrès International de la Stratigraphie et Géologie du Carbonifère, Sheffield 1967*, **2**, 631–46.
- Dolby, G. and Neves, R. (1970) Palynological evidence concerning the Devonian-Carboniferous boundary in the Mendips, England. *Comptes Rendus 6e Congrès international de la Stratigraphie et Géologie du Carbonifère, Sheffield 1967*, **2**, 631–42.
- Donovan, R.N. (1971) The geology of the coastal tract near Wick, Caithness. Unpublished PhD thesis, University of Newcastle-upon-Tyne.
- Donovan, R.N. (1975) Devonian lacustrine limestones at the margin of the Orcadian Basin, Scotland. *Journal of the Geological Society, London*, **131**, 489–510.
- Donovan, R.N. (1978) Days 6 and 7, Caithness. In *A field guide to selected outcrop areas of the Devonian of Scotland, the Welsh Borderland and South Wales* (eds P.F. Friend and B.P.J. Williams). The Palaeontological Association, pp. 37–53.
- Donovan, R.N. (1980) Lacustrine cycles, fish ecology and stratigraphic zonation in the Middle Devonian of Caithness. *Scottish Journal of Geology*, **16**, 35–50.
- Donovan, R.N. and Collins, A. (1977) The age of two Old Red Sandstone sequences of Southern Caithness, Scotland. *Scottish Journal of Geology*, **13**, 53–7.
- Donovan, R.N. and Foster, R.J. (1972) Subaqueous shrinkage cracks from the Caithness Flagstone Series (Middle Devonian) of Northeast Scotland. *Journal of Sedimentary Petrology*, **42**, 309–17.
- Donovan, R.N., Foster, R.J. and Westoll, T.S. (1974) A stratigraphical revision of the Old Red Sandstone of North-eastern Caithness. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **69**, 167–201.
- Douglas, J.A. and Arkell, W.J. (1932) The stratigraphical position of the Cornbrash. II. The north-eastern area. *Quarterly Journal of the Geological Society of London*, **88**, 112–32.
- Duff, K.L. (1975) Palaeontology of a bituminous shale: the Lower Oxford Clay of Central England. *Palaeontology*, **18**, 443–82.
- Duff, P. (1842) *Sketch of the geology of Moray*. Elgin, Edinburgh, London, 72 pp.
- Duff, P.McL.D. and Smith, A.J. (eds) (1992) *Geology of England and Wales*. The Geological Society, London, 637pp.
- Duffin, C.J. (1978) The Bath Geological Collections. The importance of certain vertebrate fossils collected by Charlie Moore: an attempt at scientific perspective. *Geological Curator's Group Newsletter*, **2**, 59–67.
- Duffin, C.J. (1979a) The Moore Collection of Upper Liassic crocodiles: a history. *Geological Curator's Group Newsletter*, **2**, 235–52.
- Duffin, C.J. (1979b) *Palagosaurus* (Mezouschia, Crocodylia) from the English Toarcian. *Neues Jahrbuch für Geologie und Paläontologie, Monatsheft*, 475–85.
- Duffin, C.J. (1979c) Coprolites; a brief review with reference to specimens from the Rhaetic bone-beds of Nottinghamshire and Somerset, England. *Mercian Geologist*, **7**, 191–204.
- Duffin, C.J. (1980a) A new euselachian shark from the Upper Triassic of Germany. *Neues Jahrbuch für Geologie und Paläontologie, Monatsheft*, **1**, 1–16.
- Duffin, C.J. (1980b) The Upper Triassic section at Chilcompton, Somerset, with notes on the Rhaetic of the Mendips in general. *Mercian Geologist*, **7**, 251–68.
- Duffin, C.J. (1981) The fin spine of a new holoccephalan from the Lower Jurassic of Lyme Regis, Dorset, England. *Geobios*, **14**, 469–75.
- Duffin, C.J. (1982a) A palaeospinacid shark from the Upper Triassic of south-west England. *Zoological Journal of the Linnean Society*, **74**, 1–7.
- Duffin, C.J. (1982b) Teeth of a new selachian from the Upper Triassic of England. *Neues Jahrbuch für Geologie und Paläontologie, Monatshefte*, **1982**, **3**, 156–66.
- Duffin, C.J. (1985) Revision of the hybodont selachian genus *Lissodus* Brough (1935). *Palaeontographica, Abteilung A*, **188**, 105–52.
- Duffin, C.J. (1989) Comments on the Mesozoic record of *Lissodus* (Selachii, Hybodontidae). *Mesozoic Research*, **2**, 83–90.
- Duffin, C.J. (1993a) New record of the phoebodontid chondrichthyan *Tbrinacodus ferox* (Turner, 1982) from the Carboniferous of England. *Belgian Geological Survey*,

## References

- Professional Paper*, 264; Elasmobranchs and Stratigraphy, 1–6.
- Duffin, C.J. (1993b) Teeth of *Hybodus* (Selachii) from the early Jurassic of Lyme Regis, Dorset (Southern England): a preliminary note. *Belgian Geological Survey, Professional Paper*, 264, 45–52.
- Duffin, C.J. (1994) Myriacanthid holocephalians (Chondrichthyes) from the British Late Triassic. *Neues Jahrbuch für Geologie und Paläontologie, Monatshefte*, 192, 311–16.
- Duffin, C.J. and Delsate, D. (1993) The age of the Upper Triassic vertebrate fauna from Attert (Province of Luxembourg, Belgium). *Belgian Geological Survey, Professional Paper*, 264, 33–44.
- Duffin, C.J. and Furrer, H. (1981) Myriacanthid holocephalian remains from the Rhaetian (Upper Triassic) and Hettangian (Lower Jurassic) of Graubünden (Switzerland). *Eclogae Geologae Helvetiae*, 74, 803–29.
- Duffin, C.J. and Gazdzicki, A. (1977) Rhaetian fish remains from the Tatra Mountains. *Acta Geologia Polonica*, 27, 333–47.
- Duffin, C.J. and Ward, D.J. (1983a) Neoselachian sharks' teeth from the Lower Carboniferous of Britain and the Lower Permian of the USA. *Palaeontology*, 26, 93–110.
- Duffin, C.J. and Ward, D.J. (1983b) Teeth of a new neoselachian shark from the British Lower Jurassic. *Palaeontology*, 26, 839–44.
- Duffin, C.J. and Ward, D.J. (1993) The early Jurassic Palaeospinacid sharks of Lyme Regis, southern England. *Belgian Geological Survey, Professional Paper*, 264, Elasmobranches et Stratigraphie, 53–102.
- Duffin, C.J., Coupagez, P., Lepage, J.-C. and Wouters, G. (1983) Rhaetian (Upper Triassic) marine faunas from 'Le Golfe du Luxembourg' in Belgium (preliminary note). *Bulletin de la Société Belge géologique*, 42, 311–15.
- Duffin, C.J., Richter, M., and Neis, P.A. (in prep.) Shark remains from the Later Carboniferous of the Amazon Basin, Brazil.
- Duncan, W.I. and Buxton, N.W.K. (1995) New evidence for evaporitic Middle Devonian lacustrine sediments with hydrocarbon source potential on the East Shetland Platform, North Sea. *Journal of the Geological Society, London*, 152, 251–8.
- Duncan, A.D. and Hamilton, R.F.M. (1988) Palaeolimnology and organic geochemistry of the Middle Devonian in the Orcadian Basin. In *Lacustrine Petroleum Source Rocks* (eds A.J. Fleet, K. Kelts and W.R. Talbot), *The Geological Society, London, Special Publication*, 40, pp.173–201.
- Dunham, K.C. (1972) Report of the Director. *Institute of Geological Sciences, Annual Report for 1971*, HMSO, London, p. 18.
- Durant, G.P. (1994) Volcanogenic sediments of the East Kirkton Limestone (Viséan) of West Lothian, Scotland. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, 84, 203–7.
- Edmonds, E.A. and Dinham, C.H. (1965) *Geology of the country around Huntingdon and Biggleswade*, (Sheets 187, 204). Memoirs of the Geological Survey of Great Britain HMSO, London, 81 pp.
- Edmonds, E.A., Williams, B.J. and Taylor, R.T. (1979) *Geology of Bideford and Lundy Island*, (Sheet 292), Memoirs of the Geological Survey of Great Britain, HMSO, London, 129 pp.
- Edmonds, E.A., Whittaker, A. and Williams, B.J. (1985) *Geology of the Country around Ilfracombe and Barnstaple* (Sheets 277 and 293). Memoirs of the British Geological Survey, HMSO, London, 89 pp.
- Edward, G. (1889) The Old Red Sandstone of Caithness and its fossils. *Transactions of the Manchester Geological Association*, 19, 374–81.
- Edwards, D. (1968) A new plant from the Lower Old Red Sandstone of South Wales. *Palaeontology*, 1, 683–90.
- Edwards, D. (1969) *Zosterophyllum* from the Lower Old Red Sandstone of South Wales. *New Phytologist*, 68, 923–31.
- Edwards, D. (1970) Fertile Rhyniophitina from the Lower Devonian of Britain. *Palaeontology*, 13, 451–61.
- Edwards, D. (1980) Early Land floras. In *The terrestrial environment and the origin of land vertebrates* (ed. A.L. Panchen), Systematics Association, Special Volume, 15, 55–85.
- Edwards, D. and Fanning, U. (1985) Evolution and environment in the late Silurian–early Devonian: the rise of the pteridophytes. In *Evolution and Environment in the Late Silurian and Early Devonian* (eds W.G. Chaloner and J.D. Lawson), Philosophical Transactions of the Royal Society, London, B309, 147–65.
- Edwards, D., Richardson, J.B. and Thomas, R.G. (1978) Fieldguide to selected outcrop areas

## References

---

- of the Devonian of Scotland, the Welsh Borderland and South Wales. In *International Symposium on the Devonian System* (PADS78), September 1978 (eds P.F. Friend and B.P.J. Williams), Palaeontological Association, 108 pp.
- Edwards, R.A. and Freshney, E.C. (1987) Lithostratigraphic classification of the Hampshire Basin Palaeogene deposits (Reading Formation to Headon Beds). *Tertiary Research*, **8**, 43–73.
- Egerton, P. de M.G. (1839) List of fossil fish. In *Report on the Geology of Cornwall, Devon and West Somerset* (ed. H.T. de la Beche). Longmans, Orme, Brown, Green, and Longman, London, pp. 225–6.
- Egerton, P. de M.G. (1843a) On some new ganoid fishes. *Proceedings of the Geological Society, London*, **4**, 183–4.
- Egerton, P. de M.G. (1843b) On some new species of Chimaeroid fishes, with remarks on their general affinities. *Proceedings of the Geological Society, London*, **4**, 153–7.
- Egerton, P. de M.G. (1845) Description of the mouth of a *Hybodus* found by Mr. Boscowen Ibbetson in the Isle of Wight. *Quarterly Journal of the Geological Society of London*, **1**, 197–9.
- Egerton, P. de M.G. (1847) On the nomenclature of the fossil chimaeroid fishes, *Quarterly Journal of the Geological Society of London*, **3**, 350–3.
- Egerton, P. de M.G. (1852) British fossils. (Descriptions of *Elasmodus*, *Palaeoniscus*, *Lepidotus*, *Pholidophorus*, *Ophiopsis*, *Leptolepis*, *Lophiostomus*.) *Memoirs of the Geological Survey of the United Kingdom (British Organic Remains)*, Dec., VI.
- Egerton, P. de M.G. (1854) 1. Postscript to palaeoichthyological notes No. 4. 2. Palaeoichthyological notes No. 6 on a fossil fish from the Upper Beds of the New Red Sandstone of Bromsgrove. *Quarterly Journal of the Geological Society of London*, **10**, 367–73.
- Egerton, P. de M.G. (1855) British Fossils. (Descriptions of *Asteracanthus*, *Pholidophorus*, *Histionotus*, *Aspidorhynchus*, *Ptycholopis*, *Oxygnathus*, *Pycnodus*. *Memoirs of the Geological Survey of the United Kingdom*. Dec. VIII.
- Egerton, P. de M.G. (1857) Palaeoichthyological notes: on some fish remains from the neighbourhood of Ludlow. *Quarterly Journal of the Geological Society of London*, **13**, 282–91.
- Egerton, P. de M.G. (1858a) British Fossils: Descriptions of *Cosmolepis*, *Pachycormus*, *Endactis*, *Centrolepis*, *Nothosomus*, *Pleuropholis*, *Megalurus*, *Macropoma*. *Memoirs of the Geological Survey of the United Kingdom (British Organic Remains)* **9**, 10.
- Egerton, P. de M.G. (1858b) On *Chondrosteus*, an extinct genus of Sturionidae, found in the Lias formation at Lyme Regis. *Philosophical Transactions of the Royal Society*, **148**, 871–85.
- Egerton, P. de M.G. (1860) *Brachyacanthus*, *Mesacanthus* etc. Palaeoichthyological notes No. 12. Remarks on the nomenclature of the Devonian fishes. *Quarterly Journal of the Geological Society of London*, **16**, 119–36.
- Egerton, P. de M.G. (1861) British fossils. (Descriptions of *Tristichopterus*, *Acanthodes*, *Climatius*, *Diplacanthus*, *Cheiracanthus*.) *Memoirs of the Geological Survey of the United Kingdom (British Organic Remains)*, Dec. X, 51–75.
- Egerton, P. de M.G. (1862) On a new species of *Pterichthys* (*P. macrocephalus* Egerton), from the yellow sandstone of Farlow, Co. Salop. *Quarterly Journal of the Geological Society of London*, **18**, 103–6.
- Egerton, P. de M.G. (1871) On a new chimaeroid fish from the Lias of Lyme Regis. *Quarterly Journal of the Geological Society of London*, **27**, 233–7.
- Egerton, P. de M.G. (1872a) On *Prognathodus guntheri* Egerton, a new genus of fossil fish from the Lias of Lyme Regis. *Quarterly Journal of the Geological Society of London*, **28**, 233–7.
- Egerton, P. de M.G. (1872b) Figures and descriptions of British organic remains: Kimmeridge Clay, Dorsetshire. *Memoirs of the Geological Survey of the United Kingdom*, Dec. 13, 2–9.
- Egerton, P. de M.G. (1873) On *Platysiagum sclerocephalus* Egerton and *Palaeospinax priscus* Egerton. *Quarterly Journal of the Geological Society, London*, **29**, 419–21.
- Elles, G.L. and Slater, I.L. (1906) The highest Silurian rocks of the Ludlow District. *Quarterly Journal of the Geological Society of London*, **62**, 195–221.
- Elliot, D.K. (1983) A new subfamily of the Pteraspididae (Agnatha, Heterostaci) from the Upper Silurian and Lower Devonian of Arctic Canada. *Palaeontology*, **27**, 169–97.

## References

- Elliot, D.K. (1984) Siluro-Devonian fish biostratigraphy of the Canadian Arctic Islands. *Proceedings of the Linnean Society of New South Wales*, **107**, 197–209.
- Elliot, D.K. and Dineley, D.L. (1983) New species of *Protopteraspis* (Agnatha, Heterostraci) from the (?) Upper Silurian and Lower Devonian of Northwest Territories, Canada. *Journal of Paleontology*, **57**, 474–94.
- Elliot, D.K., Blieck, A.R.M. and Gagnier, P.Y. (1991) Ordovician vertebrates. In *Advances in Ordovician Geology* (eds C.R. Barnes and S. Williams), *Geological Survey of Canada, Paper 90-9*, pp.93–106.
- Ellis, N.V., Bowen, D.Q., Campbell, S., Knill, J.L. et al. (1996) *An Introduction to the Geological Conservation Review*, No. 1, Joint Nature Conservation Committee, Peterborough.
- Ellison, R.A. (1983) Facies distribution in the Woolwich and Reading Beds of the London Basin, England. *Proceedings of the Geologists' Association*, **94**, 311–19.
- Ellison, R.A., Knox, R.W.O'B., Jolley, D.W. and King, C. (1994) A revision of the lithostratigraphical classification of the early Palaeogene strata of the London Basin and East Anglia. *Proceedings of the Geologists' Association*, **105**, 187–97.
- Englefield, H.C. (1861) *A description of the principal picturesque beauties, antiquities and geological phenomena of the Isle of Wight, with additional observations on the strata of the island, and their continuation in the adjacent parts of Dorsetshire by T. Webster*. Payne and Foss, London, 238 pp.
- Ensom, P.C. (1977) A therapsid tooth from the Forest Marble (Middle Jurassic) of Dorset. *Proceedings of the Geologists' Association*, **88**, 201–5.
- Ensom, P.C. (1985) An annotated section of the Purbeck Limestone Formation at Worbarrow Tout, Dorset. *Proceedings of the Dorset Natural History and Archaeological Society*, **106**, 876–91.
- Ensom, P.C. (1987) A remarkable new vertebrate site in the Purbeck Limestone Formation of the Isle of Purbeck. *Proceedings of the Dorset Natural History and Archaeological Society*, **108**, 205–6.
- Ensom, P.C. (1988) Excavation at Sunnydown Farm, Langton Matravers, Dorset: amphibians discovered in the Purbeck Limestone Formation. *Proceedings of the Dorset Natural History and Archaeological Society*, **109**, 148–50.
- Ensom, P.C. (1990) Correction to 'A remarkable vertebrate site in the Purbeck Limestone Formation of the Isle of Purbeck'. *Proceedings of the Dorset Natural History and Archaeological Society*, **111**, 133.
- Ensom, P.C., Evans, S.E. and Milner, A.R. (1991) Amphibians and reptiles from the Purbeck Limestone Formation (Upper Jurassic) of Dorset. In *Fifth Symposium on Mesozoic Terrestrial Ecosystems and Biota* (eds Z. Kielan-Jaworowska, N. Heintz and H.A. Nakrem), *Contributions from the Palaeontological Museum, University of Oslo*, **364**, 19–20.
- Estes, R. (1964) Fossil vertebrates from the late Cretaceous Lance Formation, eastern Wyoming. *University of California Publications in Geological Sciences*, **49**, 1–180.
- Estes, R., Hecht, M. and Hoffstetter, R. (1967) Palaeocene amphibians from Cernay, France. *American Museum Novitates*, **2295**, 1–25.
- Etches, S.M. and Clarke, J.B. (1993) Feeding habits of *Caturus* and new evidence of Coleoid distribution from the Kimmeridge Clay of Dorset. *Dorset Natural History and Archaeological Society Proceedings*, **116**, 179–81.
- Etheridge, R. (1868) Physical structure of west Somerset and north Devon and the palaeontological value of Devonian fossils. *Quarterly Journal of the Geological Society of London*, **23**, 251–2 and 568–89.
- Etheridge, R. (1872) On the physical structure and organic remains of the Penarth (Rhaetic) Beds of Penarth and Lavernock. *Transactions of the Cardiff Naturalists' Society*, 1872, 39–64.
- Evans, S.E. (1989) New material of *Cteniogenys* (Reptilia: Diapsida) and a reassessment of the systematic position of the genus. *Neues Jahrbuch für Geologie und Paläontologie, Montatshefte*, **557**–89.
- Evans, S.E. (1990) The skull of *Cteniogenys*, a choristodere (Reptilia: Archosauromorpha) from the Middle Jurassic, Oxfordshire. *Zoological Journal of the Linnean Society*, **99**, 205–37.
- Evans, S.E. (1991) The postcranial skeleton of the choristodere *Cteniogenys* (Reptilia: Diapsida) from the Middle Jurassic of England. *Geobios*, **24**, 187–90.

## References

- Evans, S.E. (1992) Small reptiles and amphibians from the Forest Marble (Middle Jurassic) of Dorset. *Proceedings of the Dorset Natural History and Archaeological Society*, **113**, 201–2.
- Evans, S.E. and Milner, A.R. (1991) Middle Jurassic microvertebrate faunas from the British Isles. In *Fifth Symposium on Mesozoic Terrestrial Ecosystems and Biota* (eds K. Kielan-Jaworowska, N. Heintz and H.A. Nakrem), *Contributions from the Palaeontological Museum, University of Oslo*, **364**, 21–2.
- Evans, S.E. and Milner, A.R. (1994) Middle Jurassic microvertebrate faunas from the British Isles. In *The Shadow of the Dinosaurs: Early Mesozoic Tetrapods* (eds N.C. Fraser and H.-D. Sues), Columbia University Press, New York, pp. 303–21.
- Evans, S.E., Milner, A.R. and Mussett, F. (1988) The earliest known salamanders (Amphibia: Caudata): a record from the Middle Jurassic of England. *Geobios*, **21**, 539–52.
- Evans, S.E., Milner, A.R. and Mussett, F. (1990) A discoglossid frog from the Middle Jurassic of England. *Palaeontology*, **33**, 291–311.
- Fannin, N.G.T. (1970) The sedimentary environment of the Old Red Sandstone of Western Orkney. Unpublished PhD thesis, University of Reading.
- Finlay, T.M. (1926) The Old Red Sandstone of Shetland. Part I. South-eastern area. *Transactions of the Royal Society of Edinburgh*, **54**, 553–67.
- Finlay, T.M. (1930) The Old Red Sandstone of Shetland. Part II. North-western area. *Transactions of the Royal Society of Edinburgh*, **56**, 671–94.
- Fisher, O. (1862) On the Bracklesham Beds of the Isle of Wight Basin. *Quarterly Journal of the Geological Society of London*, **18**, 65–94.
- Fitch, F.J., Hooker, P.L., Miller, J.A. and Brereton, N.R. (1978) Glauconite dating of Palaeocene–Eocene rocks from East Kent and the time scale of Palaeogene vulcanism in the North Atlantic region. *Journal of the Geological Society, London*, **135**, 499–512.
- Fitton, W.H. (1828) Notice sur les conches des carrières de Stonesfield qui renferment les ossements de mammifères. *Annales de Science naturel, Paris*, **14**, 378–84.
- Fitton, W.H. (1836) Observations on some of the strata between the Chalk and the Oxfordshire Oolite, in the south-east of England. *Transactions of the Geological Society of London*, **2**, 4, 198–203.
- Flett, J.S. (1898) The Old Red Sandstone of the Orkneys. *Transactions of the Royal Society of Edinburgh*, **34**, 13, 383–424.
- Ford, T.D. (1964) A new fish bed in the Carboniferous Limestone of Derbyshire. *Mercian Geologist*, **1**, 11.
- Forey, P.L. (1977) The osteology of *Notelepis* Woodward, *Rhaiolepis* Agassiz and *Pachysbizontodus* Dixon (Pisces, Teleostei). *Bulletin of the British Museum Natural History, Geology*, **28**, 125–204.
- Forey, P.L. (1973a) A revision of the elopiform fishes, fossil and Recent. *Bulletin of the British Museum (Natural History), Geology*, **10**, 1–22.
- Forey, P.L. (1973b) The relationships of elopomorphs. In *Interrelationships of fishes* (eds P.H. Greenwood, R.S. Miles and C. Patterson), *Zoological Journal of the Linnean Society*, **53**, (Supplement 1), pp. 351–68.
- Forey, P.L. (1981) The coelacanth *Rhabdoderma* in the Carboniferous of the British Isles. *Palaeontology*, **24**, 203–29.
- Forey, P.L. (1987) The Downtonian ostracoderm *Scelerodus* Agassiz (Osteostraci: Tremataspidae). *Bulletin of the British Museum (Natural History), Geology*, **41**, 1–30.
- Forey, P.L. and Gardiner, B.G. (1981) J. A. Moy-Thomas and his association with the British Museum (Natural History). *Bulletin of the British Museum (Natural History), Geology*, **35**, 131–44.
- Forey, P.L. and Gardiner, B.G. (1986) Observations on *Ctenurella* (Ptyctodontida) and the classification of placoderm fishes. *Zoological Journal of the Linnean Society*, **86**, 43–74.
- Forey, P.L. and Janvier, P. (1993) Agnathans and the origin of jawed vertebrates. *Nature*, **361**, 129–34.
- Forey, P.L. and Young, V.T. (1985) Acanthodian and coelacanth fishes from the Dinantian, Bearsden, Scotland. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **76**, 53–9.
- Foster, R.J. (1972) The solid geology of Northeast Caithness. Unpublished PhD thesis, University of Newcastle-upon-Tyne.
- Forster-Cooper, C. (1937) The Middle Devonian fish fauna of Achanarras. *Transactions of the Royal Society of Edinburgh*, **59**, 229–39.

## References

- Fowler, H.W. (1947) New taxonomic names of fish-like vertebrates. *Natural History*, **187**, 1–16.
- Fox, H. (1900) Notes on the geology and fossils of some Devonian rocks on the north coast of Cornwall. *Geological Magazine*, **7**, 145–52.
- Fox-Strangways, C. (1892) *The Jurassic Rocks of Britain*, Vols I and II, *Yorkshire*. Memoirs of the Geological Survey of England and Wales, HMSO, London, 570 and 250 pp.
- Fox-Strangways, C. (1903) *The geology of the Country near Leicester* (Sheet 156) Memoirs of the Geological Survey of England and Wales, HMSO, London, 59 pp.
- Fox-Strangways, C. and Barrow, G. (1915) *The Geology of the Country between Whitby and Scarborough* (Sheets 35 and 44), 2nd edn. Memoirs of the Geological Survey of England and Wales, HMSO, London, 144 pp.
- Fraas, E. (1910) Chimiäridenreste aus dem oberen Lias von Holzmaden. *Jahresberichte des Vereins für Naturkunde in Württemberg*, **66**, 55–63.
- Francis, E.H. (1959) The Rhaetic of the Bridgend district, Glamorganshire. *Proceedings of the Geologists' Association*, **70**, 158–78.
- Franzen, J.L. (1985) Exceptional preservation of Eocene vertebrates in the lake deposit of Grube Messel (West Germany). In Extraordinary fossil biotas: their geological and evolutionary significance (eds H.B. Whittington, and S. Conway Morris), *Philosophical Transactions of the Royal Society, London*, **B311**, 1–192.
- Fraser, N.C. (1985) Vertebrate faunas from the Mesozoic fissure deposits of south west Britain. *Modern Geology*, **9**, 273–300.
- Fraser, N.C. (1986) Terrestrial vertebrates at the Triassic–Jurassic Boundary in south west Britain. *Modern Geology*, **10**, 147–57.
- Fraser, N.C. (1988a) Latest Triassic terrestrial vertebrates and their biostratigraphy. *Modern Geology*, **13**, 125–40.
- Fraser, N.C. (1988b) Rare tetrapod remains from the Late Triassic fissure fillings of Cromhall Quarry, Avon. *Palaeontology*, **31**, 567–76.
- Freeman, E.F. (1976) Mammal teeth from the Forest Marble (Middle Jurassic) of Oxfordshire, England. *Science*, **194**, 1053–55.
- Freeman, E.F. (1979) A Middle Jurassic mammal bed from Oxfordshire. *Palaeontology*, **22**, 135–66.
- Frickhinger, K.A. (1991) *Fossilien Atlas: Fische*. Mergus, Melle, 1086 pp.
- Friend, P.F. (1961) The Devonian stratigraphy of north and central Vestspistbergen. *Proceedings of the Yorkshire Geological Society*, **33**, 77–118.
- Friend, P.F. and Williams, B.P.J. (eds) (1978) *A Field Guide to Selected Outcrop Areas of the Devonian of Scotland, the Welsh Borderland and South Wales*. International Symposium on the Devonian System (PADS78), September 1978, The Palaeontological Association, 106 pp.
- Frost, G.A. (1931) Appendix on otoliths. In *The Vertebrate Faunas of the English Eocene* (E.I. White), **I**, British Museum (Natural History), London, 123 pp.
- Gagnier, P-Y. (1995) Ordovician vertebrates and agnathan phylogeny. *Bulletin Muséum National d'Histoire naturelle, Paris*, **4 ser., 17, C (1–4)**, 1–37.
- Gagnier, P-Y. and Blieck, A. (1992) On *Sacabambaspis janvieri* and the vertebrate diversity in Ordovician seas. *Academia, Tallinn*, **1**, 9–20.
- Gamble, H.J. (1968) Field meeting to East Kent. *Proceedings of the Geologists' Association*, **78**, 587–93.
- Gardiner, B.G. (1960) A revision of certain actinopterygians and coelacanth fishes, chiefly from the Lower Lias. *Bulletin of the British Museum (Natural History), Geology*, **4**, 239–384.
- Gardiner, B.G. (1963) Certain palaeoniscoid fishes and the evolution of the snout in actinopterygians. *Bulletin of the British Museum (Natural History), Geology*, **8**, 255–325.
- Gardiner, B.G. (1967a) Further notes on palaeoniscoid fishes with a classification of the Chondrostei. *Bulletin of the British Museum (Natural History), Geology*, **8**, 143–206.
- Gardiner, B.G. (1967b) The significance of the preoperculum in actinopterygian evolution. *Journal of the Linnean Society (Zoology)*, **47**, 197–209.
- Gardiner, B.G. (1973) Interrelationships of teleostomes. In *Interrelationships of Fishes* (eds P.H. Greenwood, R.S. Miles and C. Patterson), *Zoological Journal of the Linnean Society*, **53** (Supplement 1), 105–35.
- Gardiner, B.G. (1984) The relationships of the palaeoniscid fishes, a review based on new species of *Mimia* and *Moythomasia* from the

## References

---

- Upper Devonian of Western Australia. *Bulletin of the British Museum (Natural History), Geology*, 37, 173–428.
- Gardiner, B.G. (1985) Actinopterygians from the Dinantian of Foulden, Berwickshire, Scotland. *Transactions of the Royal Society, of Edinburgh: Earth Sciences*, 76, 61–6.
- Gardiner, B.G. (1988) Placoderm fishes: diversity through time. *Systematics Association Special Volume*, 42, 305–19.
- Gardiner, B.G. (1990) Placoderm Fishes: diversity through time. *Systematics Association Special Volume*, 42, 159–204.
- Gardiner, B.G. (1993a) Placodermi. In *The Fossil Record 2* (ed. M.J. Benton), Chapman and Hall, London, pp. 583–8.
- Gardiner, B.G. (1993b) Osteichthyes: basal actinopterygians. In *The Fossil Record 2* (ed. M.J. Benton), Chapman and Hall, London, pp. 611–19.
- Gardiner, B.G. and Bartram, A.W.H. (1977) The homologies of ventral cranial fissures in osteichthyes. In *Problems in Vertebrate Evolution* (eds S.M. Andrews, R.S. Miles and A.D. Walker), *Linnean Society Symposium Series*, 4, 227–45.
- Gardiner, B.G. and Schaeffer, B. (1989) Interrelationships of the lower actinopterygians. *Journal of the Linnean Society*, 97, 153–87.
- Gardiner, E.J.L. (1894) Notes on the fish remains from the Old Red Sandstone of Portishead. *Proceedings of the Bristol Naturalists' Field Club*, 7, 34–5.
- Gardiner, J.S., Keeping, H. and Monckton, H.W. (1888) The Upper Eocene, comprising the Barton and Upper Bagshot formations. *Quarterly Journal of the Geological Society of London*, 44, 578–635.
- Gardner, J.S. (1883) On the lower Eocene section between Reculvers and Herne Bay, and on some modifications in the classification of the London Tertiaries. *Quarterly Journal of the Geological Society of London*, 39, 197–210.
- Gaster, C.T.A. (1951) The Structure of the Chalk of Sussex. Pt IV East-Central area between the valley of the Adur and Seaford, with zonal map. *Proceedings of the Geologists' Association*, 62, 31–66.
- Gaudant, J. and Quayle, W.J. (1988) New palaeontological studies on the Chapelcorner Fish Bed (Upper Eocene, Isle of Wight). *Bulletin of the British Museum of Natural History (Geology)*, 44, 15–39.
- Gee, H. (1988) Oldest known reptile found in Scotland. *Nature*, 336, 427.
- Geiger, M.E. and Hopping, C.A. (1968) Triassic stratigraphy of the southern North Sea basin. *Philosophical Transactions of the Royal Society, London*, B254, 1–36.
- Geikie, A. (1864) *The Geology of Eastern Berwickshire* (with a list of fossils by J.W. Slater). Memoirs of the Geological Survey of Scotland, HMSO, Edinburgh, 58 pp.
- Geikie, A. (1878) On the Old Red Sandstone of western Europe. *Transactions of the Royal Society of Edinburgh*, 28, 345–452.
- Geikie, A. (1881) A recent 'find' in British palaeontology. *Nature*, 25, 1–3.
- Geikie, A. (1897) *Ancient Volcanoes of Great Britain*, 2 vols, MacMillan, London.
- George, T.N., Johnson, G.A.L., Mitchell, M. et al. (1976) A Correlation of Dinantian rocks in the British Isles. *The Geological Society, London, Special Report*, 7, 87 pp.
- George, W. and Vincent, S. (1976) Some river exposures of London Clay in Suffolk and Essex. *Tertiary Research*, 1, 25–8.
- George, W. and Vincent, S. (1977) A foreshore exposure of London Clay at Steeple, Essex. *Tertiary Research*, 1, 105–7.
- Germar, E.F. (1842) *Dorypterus hoffmanni*. In Beschreibung einiger merkwürdigen Fische den Kupferschiefern von Richelsdorf und Eisleben (G. von Munster). *Beiträgen Petrefactenkunde*, 5, 35–50.
- Getty, T.A. (1980) Lower Jurassic Chart. In *A correlation of Jurassic rocks in the British Isles. Part One* (eds J.C. Cope, T.A. Getty, M.K. Howarth, N. Morton and H.S. Torrens) *The Geological Society, London, Special Report*, No. 14, 33–47.
- Giebel, C.G. (1848) *Elonichthys*. Ueber die fische in Muschelkalk von Esperstädt. *Neues Jarbuch für Geologie und Paläontologie*, 149–57.
- Giffin, E.B. (1979) Silurian vertebrates from Pennsylvania. *Journal of Palaeontology*, 53, 438–45.
- Gill, E.L. (1925) The Permian fish *Dorypterus*. *Transactions of the Royal Society of Edinburgh*, 53, 643–61.
- Glückman, L.S. (1964a) Subclass Elasmobranchii. *Osnovy Palaeontologii*, 11, 195–237.
- Glückman, L.S. (1964b) *Sharks of the Palaeogene and their significance*. Nauka Press, Moscow and Leningrad, 229 pp.

## References

---

- Goldring, R. (1971) Shallow water sedimentation as illustrated in the Upper Devonian Baggy Beds. *Memoirs of the Geological Society, London*, **5**, 80 pp.
- Goldring, R. and Stevenson, P. (1972) The depositional environment of three Starfish Beds. *Neues Jahrbuch für Geologie und Paläontologie, Monatshefte*, **4.10**, 611–24.
- Goody, P.C. (1969) The relationships of certain Upper Cretaceous teleosts with special reference to the myctophoids. *Bulletin of the British Museum (Natural History), Geology*, **7**, 255 pp.
- Gordon, G. (1859) On the geology of the lower and western part of the province of Moray: its history, present state of enquiry and points for future examination. *Edinburgh New Philosophical Journal, New Series*, **9**, 14–58.
- Goujet, D. (1984) *Les poissons placodermes du Spitzberg: Arthrodires Dolichthoraci de la formation de Wood Bay (Dévonien inférieur)*. *Cahiers de Paléontologie*. Editions CNRS, 284 pp.
- Goujet, D. and Blieck, A. (1979) Les vertébrés de l'Assise des Schistes et Grès de Pernes (Dévonien de Nord de la France). *Annales de la Société géologique du Nord*, **98**, 263–78.
- Green, A.H. and Strahan, A. (1887) *The Geology of the Carboniferous Limestones, Yoredale Rocks, and Millstone Grit of North Derbyshire*, 2nd edn. Memoirs of the Geological Survey of Great Britain, 222 pp.
- Greensmith, T. (1963) Rhythmic deposition in the Carboniferous Oil Shale group of Scotland. *Journal of Geology*, **70**, 355–64.
- Greensmith, T. (1965) Calciferous sandstone sedimentation at the eastern end of the Midland Valley of Scotland. *Journal of Sedimentary Petrology*, **35**, 223–42.
- Greenwood, P.H. (1973) Interrelationships of osteoglossomorphs. In *Interrelationships of fishes* (eds P.H. Greenwood, R.S. Miles and C. Patterson) *Zoological Journal of the Linnean Society*, Supplement 1, Academic press, London, 307–32.
- Greenwood, P.H., Rosen, D.E., Weitzman, S.H. and Myers, G.S. (1966) Phyletic studies of teleostean fishes, with a provisional classification of living forms. *Bulletin of the American Museum of Natural History*, **131**, 339–456.
- Greenwood, P.H., Miles, R.S. and Patterson, C. (eds) (1973) Interrelationships of fishes. *Zoological Journal of the Linnean Society*, Supplement 1. Academic press. London.
- Gregory, W. (1860) Notes of fossil fish localities of the Old Red Sandstone of the east of Scotland. *The Geologist*, **III**, 142–4.
- Greig, D.C. and Davies, A. (1978) Day 1, Berwickshire Coast. In *A field guide to selected outcrop areas of the Devonian of Scotland, the Welsh Borderland and South Wales* (eds P.F. Friend and B.P.J. Williams), The Palaeontological Association, 6–12.
- Greig, D.C., Wright, I.J.E., Hains, B.A. and Mitchell, G.H. (1968) *Geology of the Country around Church Stretton, Craven Arms, Wenlock Edge and Brown Clee*. (Sheet 166), Memoirs of the Geological Survey of Great Britain, HMSO, London, 361 pp.
- Griffith, J. and Patterson, C. (1963) The structure and relationships of the Jurassic fish *Ichthyokentema purbeckensis*. *Bulletin of the British Museum (Natural History), Geology*, **8**, 1–143.
- Gross, W. (1930) Die Fische des mittleren Old Red Sud-Livlands. *Geologische und Paläontologische Abhandlungen*, **18**, 121–56.
- Gross, W. (1933) Die Wirbeltiere der rhenischen Derons. *Abhandlung Preussischen Geologisches Landesamst, Berlin (N.F.)*, **154**, 1–83.
- Gross, W. (1947) Die Agnathen und Acanthodier des Obersilurischen Beyrichienkalks. *Palaeontographica, Abteilung A*, **96**, 91–158.
- Gross, W. (1957) Mundzähne und Hautzähne der Acanthodier und Arthrodiren. *Palaeontographica, Abteilung A*, **109**, 1–40.
- Gross, W. (1965) Über die Placodermen-Gatung *Asterolepis* und *Tiaraspis* aus dem Devon Belgiens und einen fraglichen *Tiaraspis* – Rest aus dem Devon Spitzbergens, *Bulletin de l'Institut royal des Sciences naturelles Belgique*, **41**, 1–19.
- Gross, W. (1967) über Thelodontiers Schuppen. *Palaeontographica Abteilung A*, **127**, 1–67.
- Gross, W. (1968a) Die Agnathen fauna der Silurischen Hallar Schichten Gotlands. *Geologiska Föreningens, Stockholm*, **90**, 369–400.
- Gross, W. (1968b) Fragliche Actinopterygien – Schuppen aus dem Silur Gotlands. *Lethaia*, **1**, 184–218.
- Gross, W. (1971) Unterdevonische Thelodonter – und Acanthodier – Schuppen aus Westaustralien. *Paläontologische Zeitschrift*, **42**, 97–106.
- Gunnell, F.M. (1933) Conodonts and fish remains from the Cherokee, Kansas City and

## References

---

- Wabaunsee groups of Missouri and Kansas. *Journal of Paleontology*, **7**, 261–97.
- Gurr, P.R. (1963) A new fish fauna from the Woolwich Bottom Bed (Sparnacian) of Herne Bay, Kent. *Proceedings of the Geologists' Association*, **73**, 419–17.
- Gurr, P.R. and Tarlo, L.B.H. (1963) A new fish fauna from the lower Devonian of Kerrera, Oban. (Leaflet distributed at the Geologists' Association Annual Reunion, November: publication status doubtful.)
- Hall, A.J. and Donovan, R.N. (1978) Origins of complex sulphide nodules related to diagenesis of lacustrine sediments of Middle Devonian age from the Shetland Isles. *Scottish Journal of Geology*, **14**, 289–99.
- Hall, I.H.S., Thomas, K. and Taylor, L.P. (1973) Stratigraphy of the Upper Old Red Sandstone in south Breconshire. *Bulletin of the Geological Survey of Great Britain*, **44**, HMSO, London, pp. 45–62.
- Hallam, A. (1968) The Lias. In *The Geology of the East Midlands* (eds P.C. Sylvester-Bradley and T.D. Ford), Leicester University Press, pp. 188–210.
- Hallam, A. (1994) *An Outline of Phanerozoic Biogeography*. Oxford Biogeography Series, **10**, Oxford University Press, 264 pp.
- Halstead, L.B. (1982) Evolutionary trends and the phylogeny of the Agnatha. In *Problems of Phylogenetic Reconstruction* (eds K.A. Joysey and A.E. Friday), Academic Press, London, 159–96.
- Halstead, L.B. (1985) The vertebrate invasion of fresh water. *Philosophical Transactions of the Royal Society*, **B309**, 243–58.
- Halstead, L.B. (1993) Agnatha. In *The Fossil Record 2* (ed. M.J. Benton), Chapman and Hall, London, pp. 573–81.
- Halstead Tarlo, L.B. (1965) Psammosteiformes (Agnatha) – a review with descriptions of new material from the Lower Devonian of Poland. I, General part. *Palaeontographica Polonica*, **15**, 1–168.
- Halstead, L.B. and Nicoll, P.G. (1971) Fossilized caves of Mendip. *Studies in Speleology*, **2**, 93–102.
- Hamilton, D. (1977) Aust Cliff. In *Geological Excursions in the Bristol District* (ed. R.J.G. Savage). University of Bristol, Bristol, pp. 110–18.
- Hamilton, D. and Whittaker, A. (1977) Coastal exposures near Blue Anchor, Watchet and St. Audrie's Bay, North Somerset. In *Geological Excursions in the Bristol District* (ed. R.J.G. Savage). University of Bristol, Bristol, pp. 101–9.
- Hamilton, R.F.M. and Trewin, N.H. (1985) *Excursion Guide to the Devonian of Caithness*. Petroleum Exploration Society of Great Britain, Field Guide, Aberdeen, 1–36.
- Hamilton, R.F.M. and Trewin, N.H. (1988) Environmental controls on fish faunas of the Middle Devonian Orcadian Basin. In *Devonian of the World, III, Proceedings of the Second Symposium on the Devonian System, Calgary, Canada* (eds N.J. McMillan, A.F. Embry, and D.J. Glass), Canadian Society of Petroleum Geologists, Memoirs 14, pp. 589–600.
- Hamilton, R.F.M. and Trewin, N.H. (1994) Taphonomy of fish beds from the Upper Flagstone Group of the Middle Old Red Sandstone, Caithness. *Scottish Journal of Geology*, **30**, 175–81.
- Hancock, A. and Howse, R. (1870a) On *Dorypterus hoffmanni* Germar, from the marl-slate of Midderidge, Durham. *Quarterly Journal of the Geological Society of London*, **26**, 623–41.
- Hancock, A. and Howse, R. (1870b) On *Janassa bituminosa* Schlotheim, from the Marl Slate of Middridge, Durham. *Annals and Magazine of Natural History*, (4), **5**, 47–62.
- Hancock, A. and Howse, R. (1870c) On a new labyrinthodont amphibian from the magnesian limestone of Durham. *Quarterly Journal of the Geological Society, London*, **26**, 556–64.
- Hancock, J.M. (1958) The Lower Cretaceous near Leighton Buzzard. In *The London Region* (eds W.S. Pitcher et al.). *Geologists' Association Guide*, **30**, 366–40.
- Hancock, J.M. (1975) The petrology of the Chalk. *Proceedings of the Geologists' Association*, **86**, 499–536.
- Harper, J.C. and Hartley, J.J. (1938) The Silurian inlier of Lisbellow, Co. Fermanagh, with a note on the age of the Fintona Beds. *Proceedings of the Royal Irish Academy*, **45B**, 73–87.
- Harley, J. (1861) On the Ludlow Bone Bed and its crustacean remains. *Quarterly Journal of the Geological Society, London*, **17**, 542–52.
- Harris, J.P. and Hudson, J.D. (1980) Lithostratigraphy of the Great Estuarine Group (Middle Jurassic) Inner Hebrides. *Scottish Journal of Geology*, **16**, 231–50.

## References

---

- Harwood, G.M. and Smith, D.B. (eds) (1986) *The English Zechstein and Related Topics. The Geological Society, London, Special Publication*, 22, 232 pp.
- Hastings, B. (1848) On the freshwater Eocene beds of the Hordle Cliff, Hampshire. *Report for the British Association for the Advancement of Science*, 1847, 63–4.
- Hastings, B. (1852) Description géologique des falaises d'Hordle et sur la côte de Hampshire, en Angleterre. *Bulletin, Société géologique de la France, Serie 2*, 9, 191–203.
- Hastings, B. (1853) On the Tertiary beds of Hordwell, Hampshire. *London, Edinburgh and Dublin Philosophical Magazine, Series 4*, 6, 1–11.
- Haubold, H., Schaumberg, G. and Katzung, G. (1985) *Die Fossilien des Kupferschiefers*. A. Ziemsen Verlag, Wittenberg-Lutherstadt.
- Hauff, B. (1921) Untersuchung der Fossil-fundstätten von Holzmaden im Posidonierschiefern des oberen Lias Württemburgs. *Palaeontographica Abteilung A*, 64, 1–42.
- Hawkins, H.L. and Hampton, S.L. (1927) The occurrence, structure and affinities of *Echinocystis* and *Palaeodiscus*. *Quarterly Journal of the Geological Society*, 83, 574–601.
- Hay-Cunningham, R.J. (1843) Geognostical account of Banffshire. *Transactions of the Highland Agricultural Society of Scotland, N.S.*, 8, 447–502.
- Haynes, J. (1955) Pelagic foraminifera in the Thanet Beds and the use of Thanetian as a stage name. *Micropalaeontology*, 1, 189.
- Haynes, J. (1956–1958) Certain smaller British Palaeocene foraminifera. Pts I–V. Contributions from the Cushman Foundation, 7, 79–101; 8, 45–53; 9, 4–16; 9, 58–77; 9, 83–92.
- Haynes, J. and El-Naggar, S.R.M. (1964) Reworked Upper Cretaceous and Danian Foraminifera in the type Thanetian. *Micropalaeontology*, 10, 354–6.
- Heddle, M.F. (1878) *The county geology and minerals of Scotland. Orkney and Shetland*. Edinburgh, 236 pp.
- Heintz, A. (1930) Oberdevonisch Fischreste aus Ost-Groenland. *Skrifter om Svalbard og Ishavet*, 30, 31–46.
- Heintz, A. (1932) Beitrag zur Kenntnis der Devonischen Fisch-fauna Ost Grönlands. *Skrifter om Svalbard og Ishavet*, 42, 1–27.
- Heintz, A. (1938) Notes on Arthropoda. *Norsk Geologisk Tidsskrift*, 18, 1–27.
- Heintz, A. (1939) Cephalaspida from the Downtonian of Norway. *Skrifter norske Videnskapelige Akademi, Oslo, Matematik-Natur Klasse*, 5, 119 pp.
- Heintz, A. (1958) The head of the anaspid *Birkenia elegans* Traq. In *Studies on Fossil Vertebrates* (ed. T.S. Westoll), The Athlone Press, London, pp. 71–85.
- Heintz, A. (1969) New agnathans from Ringerike Sandstone. *Skrifter Norske Videnskapelige Akademi Oslo, Matematik-Natur Klasse. Ny Serie*, 26, 26 pp.
- Hemingway, J.E. (1974) Jurassic. In *The Geology and Historical Resources of Yorkshire* (eds D.H. Rayner and J.E. Hemingway), Yorkshire Geological Society, pp. 161–224.
- Hemingway, J.E. and Knox, R.W.O'B. (1973) Lithostratigraphic nomenclature of the Middle Jurassic strata of the Yorkshire basin of northeast England. *Proceedings of the Geologists' Association*, 39, 527–35.
- Hemingway, J.E. and Wright, J.K. (1992) Itinerary II. In *The Yorkshire Coast* (eds P.E. Rawson and J.K. Wright). *Geologists' Association Guide*, 34, 31–6.
- Hemmings, S.K. (1978) *The Old Red Sandstone Antiarchs of Scotland: Pterichthyodes and Microbrachius*. Palaeontographical Society (Monograph), 64 pp.
- Hemmings, S.K. and Rostron, J. (1972) A multivariate analysis of measurements on the Scottish Old Red Sandstone antiarch genus *Pterichthyodes* Bleeker. *Biological Journal of the Linnean Society*, 4, 15–28.
- Henrichsen, I.G.C. (1971) A catalogue of fossil vertebrates in the Royal Scottish Museum, Edinburgh: Pt. 2/Agnatha. *Royal Scottish Museum, Information Series, Geology* 2, 38 pp.
- Henson, M.R. (1970) The Triassic rocks of south Devon. *Proceedings of the Ussher Society*, 2, 172–7.
- Herman, J. (1974) Les Sélaïciens des terrains néo-cretacés et paléocènes de Belgique et des contrées limitrophes. Eléments d'une biostratigraphie intercontinentale. Thesis (1973), Libre Université de Bruxelles, 599 pp.
- Herman, J. (1975) Les Sélaïciens des terrains néo-cretacés et palaeocenes de Belgique et des contrées limitrophes: éléments d'une stratigraphie inter-continentale. *Belgian Geological Survey Memoirs*, 15, 450 pp.
- Herman, J. (1977) Addition to the Eocene fish

## References

- fauna of Belgium: 3. Revision of the ore-tilobiforms. *Tertiary Research*, **1**, 127–38.
- Herre, W. (1950) Schwanzlurche aus dem Paleocän von Walbeck. *Zoologischer Anzeiger, Supplement. Festschrift für Dr. Bertold Klatt*, **145**, 286–30.
- Hesselbo, S.P. and Trewin, N.H. (1984) Deposition, diagenesis and structures of the Cheese Bay Shrimp bed, Lower Carboniferous, East Lothian. *Scottish Journal of Geology*, **20**, 281–96.
- Hester, S.W. (1965) Stratigraphy and palaeogeography of the Woolwich and Reading Beds. *Bulletin of the Geological Survey of Great Britain*, HMSO, London, **23**, 117–37.
- Hewitt, R.A. (1988) Outline of research on the ecology and evolution of the Eocene nautilid cephalopods from the London Clay, England. *Tertiary Research*, **10**, 65–81.
- Heyler, D. and Poplin, G.M. (1983) Actinopterygiens du Stéphanien de Montceau-les-Mines (Saône et Loire), France. *Palaeovertebrata*, **13**, 33–50.
- Hibbert, S. (1822) *A Description of the Shetland Islands*. Constable, London.
- Hibbert, S. (1835) On the fossil fishes of the limestone of Burdiehouse. *Edinburgh New Philosophical Journal*, **18**, 383–4.
- Hibbert, S. (1836) On the fresh-water limestone of Burdiehouse in the neighbourhood of Edinburgh, belonging to the Carboniferous group of rocks, with supplementary notes on other fresh-water limestones. *Transactions of the Royal Society of Edinburgh*, **13**, 169–282.
- Hickling, G. (1912) On the geology and palaeontology of Forfarshire. *Proceedings of the Geologists' Association*, **23**, 302–11.
- Hills, E.S. (1932) Upper Devonian fishes from New South Wales. *Quarterly Journal of the Geological Society of London*, **88**, 850–7.
- Holland, C.H. (1959) The Ludlovian and Downtonian rocks of the Knighton District, Radnorshire. *Quarterly Journal of the Geological Society of London*, **114**, 449–89.
- Holland, C.H. (1962) The Ludlovian–Downtonian succession in central Wales and the central Welsh Borderland. In *Symposiums-Band der 2 Internationalen Arbeitstagung über die Silur/Devon Grenze und die Stratigraphie von Silur und Devon, Bonn–Bruxelles* (ed. H.K. Erben), 1960. E. Schweizerbart'sche Verlagsbuchhandlung, Stuttgart, pp. 87–94.
- Holland, C.H. (1978) Stratigraphical classifica-  
tion and all that. *Lethaia*, **11**, 85–90.
- Holland, C.H. and Bassett, M.G. (eds) (1989) *A global standard for the Silurian System. National Museum of Wales, Geological Series*, 9, Cardiff, 325 pp.
- Holland, C.H., Lawson, J.D. and Walmsley, V.G. (1963) The Silurian rocks of the Ludlow District, Shropshire. *Bulletin of the British Museum Natural History (Geology)*, **8**, 93–171.
- Holloway, S. (1983) The shell-detrital calcirudites of the Forest Marble Formation (Bathonian) of south-west England. *Proceedings of the Geologists' Association*, **94**, 259–66.
- Holloway, S. (1985) Triassic: Sherwood Sandstone Group (excluding the Kinnerton Sandstone Formation and the Lenton Sandstone Formation) In *Atlas of Onshore Sedimentary Basins in England and Wales: post-Carboniferous Tectonics and Stratigraphy* (ed. A. Whittaker), Blackie, Glasgow, 31–3.
- Holloway, S., Milodowski, A.E., Strong, G.E. and Warrington, G. (1989) The Sherwood Sandstone Group (Triassic) of the Wessex Basin, southern England. *Proceedings of the Geologists' Association*, **100**, 383–94.
- Holmes, S.C.A. (1981) *The Geology of the Country around Faversham* (Sheet 273). Memoirs of the Geological Survey of Great Britain, HMSO, London, 117 pp.
- Holmes, R., Godfrey, S. and Baird, D. (1995) Tetrapod remains from the Late Mississippian Pomquet Formation near Grand étang, Nova Scotia. *Canadian Journal of Earth Sciences*, **32**, 913–21.
- Hooker, J.J. (1972) The first land mammals from the marine Barton beds (upper Eocene) of Hampshire. *Proceedings of the Geologists' Association*, **83**, 179–84.
- Hooker, J.J. (1979) Two new condylarths (Mammalia) from the early Eocene of southern England. *Bulletin of the British Museum (Natural History), Geology*, **32**, 43–56.
- Hooker, J.J. (1986) Mammals from the Bartonian (middle–late Eocene) of the Hampshire Basin, southern England. *Bulletin of the British Museum (Natural History), Geology*, **39**, 191–478.
- Hooker, J.J. (1991) The sequence of mammals in the Thanetian and Ypresian of the London and Belgian Basins. Location of the Palaeocene–Eocene boundary. *Newsletters in*

## References

- Stratigraphy*, **25**, 75–90.
- Hooker, J.J. (1992) British mammalian palaeocommunities across the Eocene–Oligocene transition and their environmental implications. In *Eocene–Oligocene Climate and Biotic Evolution* (eds D.R. Prothero and W.A. Berggren), Princeton University Press, New Jersey, 494–515.
- Hooker, J.J., Insole, A.N., Moody, R.T.J., Walker, C.A. and Ward, D.J. (1980) The distribution of Cartilaginous Fish, Turtles, Birds and Mammals in the British Palaeogene. *Tertiary Research*, **3**, 1–2.
- Hooker, J.J. and Ward, D.J. (1980) List of localities. *Tertiary Research*, **3**, 3–12.
- Hopkins, W. (1834) *On the Stratification of the Limestone District of Derbyshire*. Cambridge, 47 pp.
- Hopkinson, J. (1889) Excursion to Totternhoe and Ivinghoe. *Proceedings of the Geologists' Association*, **11**, lxxiv–lxxxi.
- Horne, J. (1923) *The Geology of the Lower Findhorn and Lower Strath Nairn Including Part of the Black Isle near Fortrose*. (Sheet No. 84 and part of 94), Memoirs of the Geological Survey of Scotland, HMSO, Edinburgh, 128 pp.
- Horton, A., Poole, E.G., Williams, B.J., Illing, V.C. and Hobson, G.D. (1987) *Geology of the Country around Chipping Norton*. (Sheet 218), Memoirs of the Geological Survey, HMSO, London, 169 pp.
- Horwood, A.P. (1916) The Upper Trias of Leicestershire, Part 2. *Geological Magazine*, **3**, 360, 411–56.
- House, M.R. (1975) Facies and time in Devonian tropical areas. *Proceedings of the Yorkshire Geological Society* **40**, 233–88.
- House, M.R. (1977) South-west England. In *A Correlation of the Devonian Rocks in the British Isles* (eds M.R. House, J.B. Richardson, W.G. Chaloner *et al.*), *The Geological Society, London, Special Report*, **8**, 10–25.
- House, M.R. (1985) Correlation of mid-Palaeozoic ammonoid evolutionary events with global sedimentary perturbations. *Bulletin de la Société Belge de Géologie*, **98**(2), 99–107.
- House M.R. (1989) *Geology of the Dorset Coast*. *Geologists' Association, London, Guide* 22, 162 pp.
- House, M.R. (1991) The Devonian System. In *Encyclopedia Britannica*, **19**, 804–14.
- House, M.R. (1993) *Geology of the Dorset Coast* (2nd edn) *Geologists' Association Guide* 22, The Geologists' Association, 164pp.
- House, M.R. (1996) The Middle Devonian Kacak event. *Proceedings of the Ussher Society*, **9**, 79–84.
- House, M.R., Richardson, J.B., Chaloner, W.G. *et al.* (1977) *A Correlation of Devonian rocks in the British Isles*. *The Geological Society, London, Special Report*, **8**, 110 pp.
- Howarth, M.K. (1955) Domerian of the Yorkshire coast. *Proceedings of the Yorkshire Geological Society*, **30**, 147–75.
- Howarth, M.K. (1962) The Jet Rock Series and the Alum Shale Series of the Yorkshire coast. *Proceedings of the Yorkshire Geological Society*, **33**, 381–421.
- Howarth, M.K. (1973) The stratigraphy and ammonite fauna of the Upper Liassic Grey Shales of the Yorkshire coast. *Bulletin of the British Museum (Natural History), Geology*, **24**, 235–77.
- Howitt, F., Aston, E.R. and Jacques, M. (1975) The occurrence of Jurassic volcanics in the North Sea. In *Petroleum and Continental Shelf of North-West Europe* (ed. A.W. Woodland), Applied Science Publications, London, pp. 379–87.
- Hudleston, W.H. (1876) Excursion to Chipping Norton. *Proceedings of the Geologists' Association*, **4**, 543–54.
- Hudson, J.D. (1962) The stratigraphy of the Great Estuarine Series (Middle Jurassic) of the outer Hebrides. *Transactions of the Edinburgh Geological Society*, **19**, 139–65.
- Hudson, J.D. (1963) The recognition of salinity-controlled mollusc assemblages in the great Estuarine Series (Middle Jurassic) of the Inner Hebrides. *Palaeontology*, **6**, 318–26.
- Hudson, J.D. (1964) The petrology of the sandstones of the Great Estuarine Series, and the Jurassic palaeogeography of Scotland. *Proceedings of the Geologists' Association*, **75**, 499–527.
- Hudson, J.D. (1966) Hugh Miller's Reptile Bed and the *Mytilus* Shales, Middle Jurassic, Isle of Eigg, Scotland. *Scottish Journal of Geology*, **2**, 265–81.
- Hudson, J.D. (1983) Mesozoic sedimentation and sedimentary rocks in the Inner Hebrides. *Proceedings of the Royal Society of Edinburgh*, **83B**, 47–63.
- Hudson, J.D. and Martill, D.M. (1988) *Leedsichthys problematicus*, a giant filter-

## References

- feeding teleost from the Jurassic of England and France. *Neues Jahrbuch für Geologie und Paläontologie, Monatshefte*, 670–80.
- Hudson, J.D. and Martill, D.M. (1991) The Lower Oxford Clay; production and preservation of organic matter in the Callovian (Jurassic) of Central England. In *Modern and Ancient Continental Shelf Anoxia* (eds E.V. Tyson and T.H. Pearson), *Geological Society Special Publications*, **58**, pp. 363–79.
- Hughes, N.F. and McDougall, A.D. (1990) New Wealden correlation for the Wessex Basin. *Proceedings of the Geologists' Association*, **101**, 85–90.
- Hull, E. (1859) *The Geology of the Country around Woodstock, Oxfordshire* (Sheet 45 SW). Memoirs of the Geological Survey of the United Kingdom, HMSO, London, 30 pp.
- Hull, E. (1869) *The Triassic and Permian Rocks of the Midland Counties of England*. Memoirs of the Geological Survey of the United Kingdom, HMSO, London, 127 pp.
- Hunter, J.R.S. (1885) Three months tent-life amongst the Silurian Hills of Logan Water, Lesmahagow. *Transactions of the Geological Society of Glasgow*, **7**, 272–8.
- Hussakof, L. (1911) The Permian fishes of North American. In *Revision of the Amphibia and Pisces of North America* (ed. E.C. Case), Carnegie Institute Publication, **146**, 153–78.
- Hutchinson, J.N. (1968) Field meeting on the coastal landslides of Kent. *Proceedings Geologists' Association*, **79**, 227–37.
- Hutchinson, P.O. (1879) Fossil plant, discovered near Sidmouth. *Transactions of the Devonshire Association, Advancement of Science, Literature and Art*, **11**, 383–5.
- Huxley, T.H. (1861) Preliminary essay upon the systematic arrangement of the fishes of the Devonian epoch. *Memoirs of the Geological Survey of the United Kingdom*, HMSO, London, Decade 10, 1–49.
- Huxley, T.H. and Salter, J.W. (1856) Appendix to article: Banks, R.W. On the tilestones, or Downton sandstones, in the neighbourhood of Kington, and their contents. *Quarterly Journal of the Geological Society of London*, **12**, 100.
- Ilyes, R.P. and Elliot, D.K. (1994) New Early Devonian pteraspids (Agnatha, Heterostraci) from east-central Nevada. *Journal of Paleontology*, **68**, 878–92.
- Insole, A. and Daley, B. (1985) A revision of the lithostratigraphical nomenclature of the Late Eocene and Early Oligocene strata of the Hampshire Basin, southern England. *Tertiary Research*, **7**, 67–100.
- Ireland, R.J., Pollard, J.E., Steel, R.S. and Thompson, D.B. (1978) Intertidal sediments and trace fossils from the Waterstones (Scythian–Anisian?) at Daresbury, Cheshire. *Proceedings of the Yorkshire Geological Society*, **41**, 399–436.
- Irving, A. (1888) The red-rock series of the Devon coast section. *Quarterly Journal of the Geological Society of London*, **44**, 149–63.
- Irving, A. (1892) Supplementary note to the paper on the Red Rocks of the Devon coast section. *Quarterly Journal of the Geological Society of London*, **48**, 68–80.
- Irving, A. (1893) The base of the Keuper formation in Devon. *Quarterly Journal of the Geological Society of London*, **48**, 68–80.
- Ivimey-Cook, H.C. (1974) The Permian and Triassic deposits of Wales. In *The Upper Palaeozoic and Post-Palaeozoic rocks of Wales* (ed. T.R. Owen), University of Wales Press, Cardiff, pp. 295–321.
- Ivimey-Cook, H.C. and Elliott, R.E. (1969) Boreholes in the Lias and Keuper of south Nottinghamshire. *Bulletin of the Geological Survey of Great Britain*, HMSO, London, **29**, 139–51.
- Jaekel, O. (1929) *Lepidotus* und *Leptolepis* aus dem oberen Lias von Dobbertin Mecklenburg. *Mitteilungen mecklenburgisches geologische Landesamt*, **38**, 1–14.
- James, J.P., Ward, D.J. and Cooper, J. (1976) A temporary exposure of fossiliferous London Clay (Eocene) at Shinfield, Berkshire. *Proceedings of the Geologists' Association*, **88**, 49–64.
- Janvier, P. (1975a) Remarques sur l'orifice nasohypophysaire des céphalopodomorphes. *Annales Paléontologie Vertébré*, **16**, 1–16.
- Janvier, P. (1975b) Spécialisations précoce et caractères primitifs du système circulatoire des Ostéostracés. *CNRS Colloques internationaux*, **218**, 15–30.
- Janvier, P. (1980) Osteolepid remains from the Devonian of the Middle East, with particular reference to the endoskeletal shoulder girdle. In *The Terrestrial Environment and Origin of Land Vertebrates* (ed. A.L. Panchen), Systematics Association, **15**, 223–54.
- Janvier, P. (1981) The phylogeny of the Craniata,

## References

---

- with particular reference to the significance of fossil 'agnathans'. *Journal of Vertebrate Paleontology*, **1**, 121–59.
- Janvier, P. (1985a) Les céphalaspides du Spitsberg. *Cabiers de Paléontologie (Section Vertébrés)*, CNRS, Paris, pp. 1–244.
- Janvier, P. (1985b) Environmental framework of the diversification of the Osteostraci during the Silurian and Devonian. In *Evolution and Environment in the Late Silurian and Early Devonian* (eds W.G. Chaloner and J.D. Lawson), *Philosophical Transactions of the Royal Society, London*, **B309**, 259–72.
- Janvier, P. (1985c) Les Thyestidiens (Osteostsacis) du Silurian de Saaremaa (Estonia). *Annales de Paléontologie*, **71**, 83–147; 187–216.
- Janvier, P. (1986) Les nouvelles conceptions de la phylogénie et de la classification des 'Agnathas' et des Sarcopterygians. *Oceanis*, **12**, 123–38.
- Janvier, P. (1995) Conodonts join the club. *Nature*, **374**, 761–2.
- Janvier, P. (1996) The dawn of the vertebrates: characters versus common ascent in the rise of current vertebrate phylogenies. *Palaeontology*, **39**, 259–87.
- Janvier, P. and Blieck, A. (1980) New data on the internal anatomy of the Heterostraci (Agnatha), with general remarks on the phylogeny of the Craniota. *Zoologica scripta*, **8**, 287–96.
- Janvier, P. and Blieck, A. (1993) The Silurian–Devonian agnathan biostratigraphy of the Old Red Continent. In *Palaeozoic Vertebrate Biostratigraphy and Biogeography* (ed. J.A. Long), Belhaven Press, London, 67–86 pp.
- Janvier, P. and Ritchie, A. (1977) Le genre *Groenlandaspis* Heintz (Pisces, Placodermi, Arthrodira) dans le Dévonien d'Asie. *Comptes Rendus, Académie des Sciences, Paris, Ser. D*, **284**, 1385–8.
- Janvier, P., Termier, G. and Termier, H. (1979) The osteolepidiform rhipidistian fish *Megalichthys* in the Lower Carboniferous of Morocco, with remarks on the paleobiogeography of the Upper Devonian and Permo-Carboniferous osteolepidids. *Neues Jahrbuch für Geologie und Paläontologie Monatsheft*, **1**, 7–14.
- Jarvik, E. (1948a) On the morphology and taxonomy of the Middle Devonian Osteolepid fishes of Scotland. *Kungliga Svenska Vetenskaps Akademiens Handlingar*, Stockholm, **25**, 1–301.
- Jarvik, E. (1948b) Note on the Upper Devonian vertebrate fauna of East Greenland and on the age of the ichthyostegid stegocephalians. *Arkiv för Zoologi*, **13**, 1–8.
- Jarvik, E. (1950a) On some osteolepidiform crossopterygians from the Upper Old Red Sandstone of Scotland. *Kunglige Svenska Vetenskaps Akademiens Handlingar*, Stockholm, **2**, 1–35.
- Jarvik, E. (1950b) Note on Middle Devonian crossopterygians from the eastern part of Gauss Halvo, East Greenland. With appendix: An attempt at correlation of the Upper O.R.S. of East Greenland with the Marine Sequence. *Meddelelser om Grönland*, **149** (6), 1–20.
- Jarvik, E. (1950c) Middle Devonian Vertebrates from Canning Land and Wegeners Halvö (East Greenland). Part II: Crossopterygii. *Meddelelser om Grönland*, **96** (4), 132 pp.
- Jarvik, E. (1952) On the fish-like tail in the new ichthyostegid stegocephalians, with descriptions of a new stegocephalian and a new crossopterygian from the Upper Devonian of East Greenland. *Meddelelser om Grönland*, **114**, 1–90.
- Jarvik, E. (1959) Dermal fin-rays and Holmgren's principle of delamination. *Kungliga Svenska Vetenskaps Akademiens Handlingar, Ser. 4*, **6**, 1–51.
- Jarvik, E. (1961) Devonian vertebrates. In *Geology of the Arctic* (ed. G.O. Raasch), University of Toronto Press, **1**, pp. 197–204.
- Jarvik, E. (1980) *Basic Structure and Evolution of Vertebrates*, Vol. 1. Academic Press, London. 575 pp.
- Jarvik, E. (1996) The Devonian tetrapod *Ichthyostega*. *Fossils and Strata*, No. **40**. 213 pp.
- Jarzemowski, E.A. (1991) The Weald Clay of the Weald: report of 1988/89 field meetings. *Proceedings of the Geologists' Association*, **102**, 83–92.
- Jennings, J.S. (1961) The geology of the eastern part of the Lesmahagow inlier. Unpublished PhD thesis, University of Glasgow.
- Jessen, H.L. (1973) Interrelationships of actinopterygians and brachiopterygians. In *Interrelationships of Fishes* (eds P.H. Greenwood, R.S. Miles and C. Patterson), *Zoological Journal of the Linnean Society*, **53** (Supplement 1), 227–32.
- Johnson, M.R.W. (1950) The fauna of the Rhaetic Beds in south Nottinghamshire. *Geological Magazine*, **87**, 116–20.

## References

---

- Jolley, D.W. (1996) The earliest Eocene sediments of eastern England. In *Correlation of the Early Palaeogene of Europe* (eds R.N.O'B. Knox, R.M. Corfield and R.E. Dunay). *Geological Society of London Special Publication*, **101**, 219–554.
- Jukes-Brown, A.J. (1889) The geology of Upton and Chilton, in Berkshire. *Proceedings of the Geologists' Association*, **198**–200.
- Jukes-Browne, A.J. and Hill, W. (1900) *The Cretaceous rocks of Britain, Volume I*. Memoirs of the Geological Survey of Great Britain, HMSO, London. 3 vols.
- Jukes-Browne, A.J. and Hill, W. (1903) *The Cretaceous Rocks of Britain, Volume II, The Lower and Middle Chalk of England*. Memoirs of the Geological Survey of Great Britain, HMSO, London, 568 pp.
- Jukes-Browne, A.J. and Hill, W. (1904) *The Cretaceous rocks of Britain, Volume III, The Upper Chalk of England*. Memoirs of the Geological Survey of Great Britain, HMSO, London, 566 pp.
- Jukes-Browne, A.J. and White, H.J.O. (1908) *The Geology of the Country around Andover*, (Sheet 283). Memoirs of the Geological Survey of England and Wales, HMSO, London, 63 pp.
- Karatajute-Talimaa, V.N. (1978) *Telodonty Silura i Devona SSSR: Spicebergena (Silurian-Devonian Thelodonts of the USSR and Spitsbergen)*. Mosklas, Vilnius. 334 pp. [In Russian.]
- Keeping, W. (1883) *The Fossils and Palaeoenvironmental Affinities of the Necomian Deposits of Upware and Brick Hill (Cambridgeshire and Bedfordshire)*. Cambridge University Press, Cambridge, 167 pp.
- Kellaway, G.A. (1933) Notes on a section near West Town Lane, Brislington, Bristol. *Proceedings of the Bristol Naturalists Society*, **7**, 565–7.
- Kellaway, G.A. and Welch, F.B.A. (1948) *Bristol and Gloucester District*, 2nd edn. British Regional Geology, Geological Survey, HMSO, London.
- Kellaway, G.A. and Welch, F.B.A. (1955) The Upper Old Red Sandstone and Lower Carboniferous Rocks of Bristol and the Mendips with those of Chepstow and the Forest of Dean. *Bulletin of the Geological Survey of Great Britain*, HMSO, London, **9**, 1–21.
- Kellaway, G.A. and Welch, F.B.A. (1993) *Geology of the Bristol District*. Memoirs of the British Geological Survey. HMSO, London, 165 pp.
- Kelling, G. and Collinson, J.D. (1992) Silesian. In *Geology of England and Wales* (eds P. McL. D. Duff and A.J. Smith), Geological Society, London, pp. 239–73.
- Kemp, A. and Nicoll, R.S. (1995) On conodonts hard tissue. In *Proceedings of the 10th International Symposium on Dental Morphology* (eds R.J. Rodlanski and H. Renz), pp. 7–12.
- Kemp, D., Kemp, P.L. and Ward, D.J. (1990) *An Illustrated Guide to the British Middle Eocene Vertebrates*, D. Ward, London, 59 pp.
- Kennedy, W.J. (1969) The correlation of the Lower Chalk of south-east England. *Proceedings of the Geologists' Association*, **80**, 459–560.
- Kennedy, W.J. and Sellwood, B.W. (1970) *Ophiomorpha nodosa* Ludgren, a marine indicator from the Sparnacian of south-east England. *Proceedings of the Geologists' Association*, **81**, 99–110.
- Kent, P.E. (1937) The Lower Lias of south Nottinghamshire. *Proceedings of the Geologists' Association*, **48**, 163–74.
- Kent, P.E. (1953) The Rhaetic Beds of the north-west Midlands. *Proceedings of the Yorkshire Geological Society*, **29**, 117–39.
- Kent, P.E. (1968) The Rhaetic Beds. In *The Geology of the East Midlands* (eds P.C. Sylvester-Bradley and T.D. Ford), Leicester University Press, Leicester, pp. 174–87.
- Kent, P.E. (1970) Problems of the Rhaetic in the east Midlands. *Mercian Geologist*, **3**, 361–71.
- Kermack, K.A. (1943) The functional significance of the hypocercal tail in *Pteraspis rostrata*. *Journal of Experimental Biology*, **20**, 23–7.
- Kermack, K.A. (1988) British Mesozoic Mammal Sites. *Special Papers in Palaeontology*, **40**, 85–93.
- Kermack, K.A., Lee, A. J., Lees, P. M. and Mussett, F. (1987) A new docodont from the Forest Marble. *Zoological Journal of the Linnean Society*, **89**, 1–39.
- Kermack, K.A., Mussett, F. and Rigney, H.W. (1973) The lower jaw of *Morganucodon*. *Zoological Journal of the Linnean Society*, **53**, 87–175.
- Kerth, M. and Hailwood, E.A. (1988) Magnetostratigraphy of the Lower Cretaceous Vectis Formation (Wealden Group) on the Isle of Wight, S. England. *Journal of the Geological Society, London*, **145**, 351–60.

## References

---

- Kiaer, J. (1924) The Downtonian fauna of Norway, 1. Anaspida. *Norske Vidensk Akademien Skrifter*, **6**, 1–139.
- Kiaer, J. (1931) *Hemicyclaspis murchisoni* – Faunen i dem downtowniske Sandstein på Jeløren i Oslofjorden. *Norsk Geologisk Tidsskrift*, **12**, 420–33.
- Kiaer, J. (1932a) The Downtonian and Devonian vertebrates of Spitsbergen. V. Suborder Cyanthaspidida, Part 1, Tribe Poraspidei, Family Poraspidae Kiaer. *Skrifter om Svalbard og Ishavet*, **33**, 1–138.
- Kiaer, J. (1932b) The Downtonian and Devonian vertebrates of Spitsbergen. IV. Suborder Cyathaspidida. *Skrifter om Svalbard og Ishavet*, **52**, 1–26.
- Kiaer, J. and Heintz, A. (1935) The Downtonian and Devonian vertebrates of Spitsbergen. V. Suborder Cyanthaspidida, Part 1, Tribe Poraspidei, Family Poraspidae Kiaer. *Skrifter om Svalbard og Ishavet*, **40**, 1–138.
- King, C. (1970) The biostratigraphy of the London Clay in the London district. *Tertiary Times*, **1**, 13–15.
- King, C. (1981) The stratigraphy of the London Clay and associated deposits. *Tertiary Research Special Paper*, **6**, 158 pp.
- King, C. (1984) The stratigraphy of the London Clay Formation and Virginia Water Formation in the coastal sections of the Isle of Sheppey (Kent, England). *Tertiary Research*, **5**, 121–58.
- King, W. (1850) *A Monograph of the Permian fossils of England*. Palaeontographical Society (Monograph), 258 pp.
- King, W.W. (1925) Notes on the 'Old Red Sandstone' of Shropshire. *Proceedings of the Geologists' Association*, **36**, 383–9.
- King, W.W. (1934) The Downtonian and Dittonian strata of Great Britain and North-Western Europe. *Quarterly Journal of the Geological Society of London*, **90**, 526–70.
- Kinnear, W.T. (1893a) *Homacanthus borealis* Traq. A new selachian from the Lower Old Red Sandstone of Caithness. *Transactions of the Edinburgh Geological Society*, **6**, 205–6.
- Kinnear, W.T. (1893b) Note on *Homosteus milieri* and its distribution in the Old Red Sandstone in the north of Scotland. *Transactions of the Edinburgh Geological Society*, **6**, 252–3.
- Kirby, R. (1974) Report on field meeting to Burnham-on-Crouch, Essex. *Tertiary Times*, **2**, 9–14.
- Kirk, N.H. (1951) The Silurian and Downtonian rocks of the anticlinal disturbance of Breconshire and Radnorshire, Pont-Faer to Presteign. *Proceedings of the Geological Society, London*, **1474**, 72–4.
- Kirkby, J.W. (1862) On the remains of fish and plants from the 'Upper Limestone' of the Permian series of Durham. *Annals and Magazine of Natural History*, **9**, (3), 267–9.
- Klein, G. de V. (1965) Dynamic significance of primary structures in the Middle Jurassic Great Oolite Series, southern England. *Special Publications of the Society of Economic Palaeontologists and Mineralogists*, **12**, 173–91.
- Knox, R.W.O'B. (1979) Igneous grains associated with zeolites in the Thanet Beds of Pegwell Bay, north-east Kent. *Proceedings of the Geologists' Association*, **90**, 55–9.
- Knox, R.W.O'B. (1990) Thanetian and Ypresian stratigraphy in south-east England. *Tertiary Research*, **11**, 57–64.
- Knox, R.W.O'B., Harland, R. and King, C. (1983) Dinoflagellate cyst analysis of the basal London Clay of southern England. *Newsletters in Stratigraphy*, **12**, 71–4.
- Knox, R.N.O'B., Corfield, R.M. and Dunay, R.E. (1996) *Correlation of the Early Palaeogene of Europe*. Geological Society, London, Special Publication No. **101**, 327pp.
- Koken, E. (1891) Neue Untersuchungen an teritiären Fisch-otolithen II. *Zeitschrift Deutsch Geologische Gesellschaft*, **43**, 77–170.
- Kühne, W.G. (1956) The Liassic therapsid *Oligokyphus*. British Museum (Natural History), London, 149 pp.
- Kurtze, G.A. (1839) *Commentatio de petrefactis quae in schisto bituminoso manfeldensi reperiuntur*. Halle, 38 pp.
- Kynaston, H. and Hill, J.B. (1908) *The Geology of the Country near Oban and Dalmally*. Memoirs of the Geological Survey of Scotland, Edinburgh, 184 pp.
- Lahausen, J. (1880) Zur kenntnis der Gatung *Bothriolepis* Eich. *Zapiski, Vserossiskoe mineralogicheskogo Obschechestvo, St Petersburg*, **15**, 33–77.
- Lake R.D., Ellison, R.A., Henson, M.R. and Conway, B.W. (1986) Geology of the country around Southend and Foulness (Sheets 258, 259). *Memoirs of the British Geological Survey, London*, 100 pp.
- Lake, R.D. and Shephard-Thorn, E.R. (1987) Geology of the Country around Hastings and

## References

---

- Dungeness (Sheets 320 and 321). *Memoirs of the British Geological Survey*, HMSO, London, 81 pp.
- Lake, R.D., Young, B., Wood, C.J. and Mortimore, R.N. (1987) Geology of the country around Lewes (Sheet 319). *Memoirs of the British Geological Survey*, HMSO, London, 101 pp.
- Laming, D.J.C. (1966) Imbrications, palaeocurrents and other sedimentary features in the Lower New Red Sandstone, Devonshire, England. *Journal of Sedimentary Petrology*, **36**, 940–50.
- Laming, D.J.C. (1982) The New Red Sandstone. In *The Geology of Devon* (eds E.M. Durrance and D.J.C. Laming), Exeter University Press, Exeter, pp. 148–78.
- Lamplugh, G.W. (1922) On the junction of the Gault and the Lower Greensand near Leighton Buzzard (Bedfordshire). *Quarterly Journal of the Geological Society of London*, **78**, 1–80.
- Lamplugh, G.W., Gibson, W., Wedd, R.B., Sherlock, R.L. and Smith, B. (1909) The Geology of the Melton Mowbray District and South-east Nottinghamshire (Sheet 142). *Memoirs of the Geological Survey of Great Britain*, HMSO, London, 118 pp.
- Lang, W.D. (1914) The geology of the Charmouth cliffs, beach and foreshore. *Proceedings of Geologists' Association*, **25**, 293–310.
- Lang, W.D. (1924) The Blue Lias of the Devon and Dorsetshire coasts. *Proceedings of the Geologists' Association*, **35**, 169–185.
- Lang, W.D. (1932) The Lower Lias of Charmouth and the Vale of Marshwood. *Proceedings of the Geologists' Association*, **43**, 97–126.
- Lang, W.D. and Spath, L.F. (1926) The Black Marl of Black Ven and Stonebarrow, in the Lias of the Dorset coast. *Quarterly Journal of the Geological Society of London*, **82**, 144–87.
- Lang, W.D., Spath, L.F., Cox, L.R. and Muir Wood, H.M. (1928) The Belemnite Marls of Charmouth, a series in the Lias of the Dorset coast. *Quarterly Journal of the Geological Society of London*, **84**, 179–257.
- Lang, W.D., Spath, L.F. and Richardson, W.A. (1923) Shales with beef: a sequence in the Lower Lias of the Dorset coast. *Quarterly Journal of the Geological Society of London*, **79**, 47–99.
- Lankester, E.R. (1867) On a new cephalaspid. *Geological Magazine*, **4**, 509.
- Lankester, E.R. (1870) The Cephalaspidae. In *A monograph of the fishes of the Old Red Sandstone of Great Britain* (eds J. Powrie and E.R. Lankester), *Palaeontographical Society (Monograph)*, pp.33–62.
- Lankester, E.R. (1873a) On *Holaspis sericeus*, and on the relationship of the fish genera *Pteraspis*, *Cyathaspis* and *Scaphaspis*. *Geological Magazine*, **10**, 241–5.
- Lankester, E.R. (1873b) On *Holaspis sericeus*, and on the relationship of the fish genera *Pteraspis*, *Cyathaspis* and *Scaphaspis*. *Geological Magazine*, **6**, 440–1.
- Lapworth, C. (1879) On the tripartite classification of the Lower Palaeozoic rocks. *Geological Magazine*, **(2)**, **6**, 1–15.
- la Touche, J.D. (1894) *A Handbook of the Geology of Shropshire*, Stanford, Shrewsbury and London, 92 pp.
- Lauder, G.V. and Liem, K.E. (1983) Evolution of Sarcopterygian Fishes. *Bulletin of the Museum of Comparative Zoology*, **150**, 95–187.
- Lavis, H.J. (1876) On the Triassic strata which are exposed in the cliff sections near Sidmouth and a note on the occurrence of an ossiferous zone containing bones of a *Labryinthodon*. *Quarterly Journal of the Geological Society of London*, **32**, 274–77.
- Lawson, J.D. (1955) The geology of the May Hill inlier. *Quarterly Journal of the Geological Society of London*, **111**, 85–116.
- Lawson, J.D. and Weedon, D.S. (eds) (1992) *Geological excursions around Glasgow and Girvan*. Geological Society of Glasgow, 495 pp.
- Lawson, J.D., Curtis, M.K., Squirrel, H., Tucker, M.E. and Walmsly, V. (1982) *The Silurian Inliers of the Southeastern Welsh Borderland*. Geologists' Association Field Guide No. 5.
- Lebedev, O. (1984) The first find of a Devonian tetrapod in U.S.S.R.. *Doklady Akademii Nauk SSSR, Ser. geolog.*, **278**, 1470–3. [In Russian.]
- Lebedev, O. (1990) *Tulerpeton*, l'animal à six doigts. *La Recherche*, **225**, 1274–5.
- Lebedev, O. (1992) The latest Devonian, Khovanian vertebrate assemblage of Andreyevka-2 locality, Tula Region, Russia. In *Fossil Fishes as Living Animals* (ed. E. Mark-Kurik), Academy of Science, Estonia, Tallinn, pp. 265–72.
- Lebedev, O. and Clack, J.A. (1993) Upper Devonian tetrapods from Andreyevka.

## References

---

- Palaeontology*, **36**, 721–34.
- Lebedev, O. and Coates, M.I. (1995) The postcranial skeleton of the Devonian tetrapod *Tulerpeton curtum* Lebedev. *Zoological Journal of the Linnean Society*, **114**, 307–48.
- Lee, G.W. and Bailey, E.B. (1925) *The Pre-Tertiary Geology of Mull, Loch Aline and Oban*. (Sheet 35 et al.) Memoirs of the Geological Survey, Scotland, HMSO, Edinburgh, 132 pp.
- Leeder, M.G. (1973) Sedimentology and palaeogeography of the Upper Old Red Sandstone in the Scottish Border Basin. *Scottish Journal of Geology*, **9**, 117–44.
- Leeder, M.G. (1975) The origin of the Northumberland Basin. *Scottish Journal of Geology*, **10**, 288–96.
- Leeder, M.G. (1976) Palaeogeographic significance of paedogenic carbonates in the topmost upper Old Red Sandstone of the Scottish Border Basin. *Geological Journal*, **11**, 21–8.
- Leeder, M.G. (1992) 7. Dinantian. In *The Geology of England and Wales* (eds P. McL.D. Duff and A.J. Smith), The Geological Society, London, pp. 207–38.
- Leeds, E.T. (1956) *The Leeds Collection of Fossil Reptiles from the Oxford Clay of Peterborough*, Blackwell, Oxford, 104 pp.
- Lehman, J.-P. (1966) Actinopterygii. In *Traité de Paléontologie* (ed. J. Piveteau), Masson, Paris, 4 (3), 242 pp.
- Leidy, J. (1857) Remarks on certain species of fishes. *Proceedings of the Academy of Natural Sciences, Philadelphia*, **8**, 301–2.
- LeLièvre, H., Wenz, S., Blieck, A. and Cloutier, R. (eds) (1995) Premiers Vertébrés et Vertébrés Inférieurs Paris, 4–9 septembre 1995. *Geobios Mémoire Special*, No. **19**, 409 pp.
- Leonard, A.J., Moore, A.G. and Selwood, E.B. (1982) Ventifacts from a deflation surface marking the top of the Budleigh Salterton Pebble Beds, east Devon. *Proceedings of the Ussher Society*, **5**, 333–9.
- Leriche, M. (1903) Le *Pteraspis* de Liévin (Pas de Calais) (*Pteraspis crouchi* Lankester). *Annales du Société géologique du Nord*, **32**, 161–75.
- Leriche, M. (1905) Les poissons éocènes de la Belgique. *Mémoires du Muséum d'Histoire naturelle Belgique*, **III**, 49–228.
- Leriche, M. (1921) Sur les restes de Poissons remaniés le Neogéné de la Belgique. *Bulletin de la Société Belge de Géologie de Paléontologie et d'Hydrologie*, **30**, 115–20.
- Lhyde, E. (1699) *Eduardi Luidi apud Oxoniensis Ci malianchae Ashmoleani Lithophylacii Britannici Ichnographica*. MC, London, 145 pp.
- Lightbody, R. (1861) Remarks on Mr. Robert's paper on Cephalaspis. *The Geologist*, **4**, 140–1.
- Lightbody, R. (1869) Notes on the geology of Ludlow. *Geological Magazine*, **6**, 353–5.
- Lightbody, R. (1873) The geology of Ludlow. *Transactions of the Severn Valley Naturalists' Field Club*, **1868**, 125–30.
- Lillegraven, J.A., Kielan-Jarworska, Z. and Clemens, M.A. (eds) (1979) *Mesozoic Mammals. The First Two-thirds of Mammalian History*. University of California Press, Berkley, 311 pp.
- Loeffler, E.J. and Thomas, R.G. (1980) A new pteraspid ostracoderm from the Devonian Senni Beds Formation of South Wales and its stratigraphical significance. *Palaeontology*, **23**, 287–96.
- Long, J.A. (1983) New bothriolepid fish from the late Devonian of Victoria, Australia. *Palaeontology*, **26**, 295–320.
- Long, J.A. (1986) New ischnacanthid acanthodians from the Early Devonian of Australia, with a discussion of acanthodian relationships. *Zoological Journal of the Linnean Society*, **87**, 321–39.
- Long, J.A. (ed) (1993) *Palaeozoic Vertebrate Biostratigraphy and Biogeography*. Belhaven Press, London, 353 pp.
- Long, J.A. (1995) *The Rise of the Fishes: 500 Million Years of Evolution*, The John Hopkins University Press, Baltimore, 220 pp.
- Longbottom, A.E. and Patterson, C. (1987) Fishes. In *Fossils of the Chalk* (eds E. Owen and A.B. Smith), The Palaeontological Association, London, pp. 238–65.
- Lorsong, J.A., Clarey, T.J. and Atkinson, C.D. (eds) (1990) *Lithofacies architecture of sandy braided stream deposits in the Otter Sandstone, U.K.* 13th International Sedimentological Congress, Nottingham, England, Abstracts of Posters. International Sedimentological Union, Utrecht, p. 380.
- Lowney, K.A. (1983) The earliest known (Namurian A, E) haplolepis (Osteichthyes: Actinopterygii). *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **74**, 69–78.
- Luksevics, E.V. (1991) New *Remigolepis* (Pisces,

## References

---

- Antiarchi) from the Famennian deposits of the Central Devonian field (Russia, Tula region). *Daba un Muzejs*, 3, 51–56. [In Russian.]
- Luksevics, E.V. (1992) Palaeoichthyocenoses for the Famennian brackish seas of the Baltic area. In *Fossil Fishes as Living Animals* (ed. E. Mark-Kurik), Academy of Science, Estonia, Tallinn, pp. 273–80.
- Lumsden, G.I. and Wilson, R.B. (1961) The stratigraphy of the Archerbeck Borehole. *Bulletin of the Geological Survey of Great Britain*, HMSO, London, 181, 1–89.
- Lumsden, G.I., Tulloch, W., Howells, M.F. and Davies, A. (1967) *The Geology of the Neighbourhood of Langholm* (Sheet 11). Memoirs of the Geological Survey of Great Britain, HMSO, London, 255 pp.
- Lund, R. (1974) *Stethacanthus altonensis* (Elasmobranchi) from the Bear Gulch Limestone of Montana. *Annals of the Carnegie Museum*, 45, 43–56.
- Lund, R. (1977) New information on the evolution of the bradydont Chondrichthyes. *Fieldiana Geology*, 33, 521–39.
- Lund, R. (1982) *Harpagofututor volsellorhinus* new genus and species (Chondrichthyes, Chondrenchelyiformes) from the Namurian Bear Gulch Limestone, *Chondrenchelys problematica* Traquair (Viséan) and their sexual dimorphism. *Journal of Paleontology*, 56, 938–58.
- Lund, R. (1984) On the spines of the Stethacanthidae (Chondrichthyes), with a description of a new genus from the Mississippian Bear Gulch Limestone. *Geobios*, 17, 281–95.
- Lund, R. (1985a) The morphology of *Falcatus falcatus* (St. John and Worthen), a Mississippian stethacanthid chondrichthyan from the Bear Gulch Limestone of Montana. *Journal of Vertebrate Paleontology*, 5, 1–19.
- Lund, R. (1985b) Stethacanthid elasmobranch remains from the Bear Gulch Limestone (Namurian E<sup>2</sup>b) of Montana. *American Museum Novitates*, 2828, 1–24.
- Lund, R. (1986) On *Damocles serratus* nov. gen. et sp. (Elasmobranchi: Cladodontida) from the Upper Mississippian Bear Gulch Limestone of Montana. *Journal of Vertebrate Paleontology*, 6, 12–19.
- Lund, R. and Lund, W. (1985) Coelacanths from the Bear Gulch Limestone (Namurian) of Montana and the evolution of the Coelacanthiformes. *Bulletin of the Carnegie Museum of Natural History*, 25, 74 pp.
- Lund, R. and Melton, W.G. (1982) A new actinopterygian fish from the Mississippian Bear Gulch Limestone of Montana. *Palaeontology*, 25, 485–98.
- Lydekker, R. (1888a) *Catalogue of the Fossil Reptilia and Amphibia in the British Museum (Natural History). Part I, The Orders Ornithosauria, Crocodilia, Dinosauria, Squamata, Rhynchocephalia and Protosauria*. British Museum (Natural History), London, 309 pp.
- Lydekker, R. (1888b) Note on a new Wealden iguanodont and other dinosaurs. *Quarterly Journal of the Geological Society of London*, 44, 46–61.
- Lydekker, R. (1889a) *Catalogue of the fossil Reptiles and Amphibians in the British Museum. Pt. II containing the orders Ichthyopterygia and Sauroptrygia*. The British Museum (Natural History), London, 307 pp.
- Lydekker, R. (1889b) On certain chelonian remains from the Wealden and Purbeck. *Quarterly Journal of the Geological Society of London*, 44, 511–18.
- McAdam, A.D., Clarkson, E.N.K. and Stone, P. (1992) *Scottish Border Geology: An Excursion Guide*, Scottish Academic Press, Edinburgh.
- M'Coy, F. (1848a) On some new fossil fish of the Carboniferous period. *Annals and Magazine of Natural History*, 2, (2), 115–33.
- M'Coy, F. (1848b) On some new Ichthyolites from the Scotch Old Red Sandstone. *Annals and Magazine of Natural History*, 2, (2), 297–312.
- M'Coy, F. (1851) On some new Devonian fossils. *Annals and Magazine of Natural History*, 8, 481–9.
- M'Coy, F. (1853) On the supposed fish remains figures on plate 4 of the 'Silurian System'. *Proceedings of the Geological Society of London*, 9, 12–15.
- M'Coy, F. (1854) *Contributions to British Palaeontology*. Cambridge and London.
- McCune, A.R. (1986) A review of *Semionotus* (Pisces, Semionotidae) from the Triassic and Jurassic of Europe. *Palaeontology*, 29, 213–33.
- McCune, A.R. and Schaeffer, B. (1986) 13. Triassic and Jurassic fishes: patterns of diversity. In *The Beginning of the Age of Dinosaurs*

## References

- (ed. K. Padian), Cambridge University Press, pp. 171–81.
- Macfadyen, W.A. (1970) *Geological Highlights of the West Country – a Nature Conservation Handbook*. Butterworth, London, 296 pp.
- McGowan, G.J. (1994) A description of new albanerpeton material from the Mesozoic of Europe and its bearing on the systematic position of the group. Unpublished PhD thesis, University of London.
- McGowan, G.J. and Evans, S.E. (1995) Albanerpetontid amphibians from the Cretaceous of Spain. *Nature*, **232**, 143–6.
- MacGregor, A.G. (1960) Division of the Carboniferous on Geological Survey Scottish maps. *Bulletin of the Geological Survey of Great Britain*, HMSO, London, **16**, 127–30.
- MacGregor, A.R. (1968) *Fife and Angus Geology*, Blackwood, Edinburgh and London, 283 pp.
- MacGregor, D.C. (1979) Spores in Devonian stratigraphic correlation. In *The Devonian System* (eds M.R. House, C.T. Scrutton and M.G. Bassett), *Special Papers in Palaeontology*, **23**, 163–84.
- McKerrow, W.S. (ed.) (1978) *The Ecology of Fossils: an Illustrated Guide*, Duckworth, London, 376 pp.
- McKerrow, W.S. and Baker, S. (1988) Field meeting to Charlbury and Stonesfield, Oxfordshire. *Proceedings of the Geologists' Association*, **99**, 88–98.
- McKerrow, W.S. and Kennedy, W.J. (1973) The Oxford District, 2nd edn., *Geologists' Association Guides*, 3, 46 pp.
- McKerrow, W.S., Johnson, R.T. and Jakobsen, M.E. (1969) Palaeontological studies in the Great Oolite at Kirtlington, Oxfordshire. *Palaeontology*, **12**, 56–83.
- Mackie, N.A. (1902) The sands and sandstones of eastern Moray. *Transactions of the Inverness Scientific Society*, **5**, 34–61.
- Mackie, S.J. (1863a) On a new species of *Hybodus* from the lower Chalk. *The Geologist*, **6**, 241–6.
- Mackie, S.J. (1863b) Cestriacodont fishes of the Chalk. *The Geologist*, **6**, 161–3.
- MacNair, P. (1905) Camp Siluria. *Transactions of the Geological Society of Glasgow*, **12**, 203–21.
- Macquaker, J. (1994) Palaeoenvironmental significance of 'bone-beds' in organic-rich mudstone successions, an example from the Upper Triassic of south-west Britain. *Zoological Journal of the Linnean Society*, **112**, 285–301.
- Mader, D. and Laming, D.J.C. (1985) Braidplain and alluvial-fan environmental history and climatological evolution controlling origin and destruction of aeolian dune fields and governing overprinting of sand seas and river plains by calcrete pedogenesis in the Permian and Triassic of south Devon (England). In *Aspects of Fluvial Sedimentation in Lower Triassic Buntsandstein of Europe* (ed. D. Mader), Springer-Verlag, Berlin, pp. 519–28.
- Mahood, A.E. (1919) In *Banff and District* (ed. E.I. Spriggs) Banff Journal Ltd., Banff.
- Maisey, J. (1975) The interrelationships of phalacanthous selachians. *Neues Jahrbuch für Geologie und Paläontologie, Monatshefte*, **9**, 553–67.
- Maisey, J.G. (1976) The Jurassic selachian fish *Protospinax* Woodward. *Palaeontology*, **19**, 733–7.
- Maisey, J.G. (1977a) Structural notes on a cladoselachian dorsal spine. *Neues Jahrbuch für Geologie und Paläontologie, Monatshefte*, **1**, 47–55.
- Maisey, J.G. (1977b) The fossil selachian fish *Palaeospinax* Egerton, 1872 and *Nemascanthus* Agassiz, 1837. *Zoological Journal of the Linnean Society*, **60**, 259–73.
- Maisey, J.G. (1981) Studies on the Palaeozoic selachian genus *Ctenacanthus* Agassiz. No. 1. Historical review and revised diagnosis of *Ctenacanthus*, with a list of referred taxa. *American Museum Novitates*, **2718**, 1–22.
- Maisey, J.G. (1982) Studies on the Palaeozoic selachian genus *Ctenacanthus* Agassiz. *American Museum Novitates*, **2722**, 1–24.
- Maisey, J.G. (1983) Cranial anatomy of *Hybodus basanus* Egerton from the Lower Carboniferous of England. *American Museum Novitates*, **2758**, 64.
- Maisey, J.G. (1986) Heads and Tails: a chordate phylogeny. *Cladistics*, **2**, 201–56.
- Maisey, J.G. (1987a) Anatomical revision of the fossil sharks *Hybodus fraasi* (Chondrichthyes: Elasmobranchii). *American Museum Novitates*, **2857**, 1–16.
- Maisey, J.G. (1987b) Notes on the structure and phylogeny of vertebrate otoliths. *Copeia*, 1987, 495–9.
- Malcolmson, A.G. (1921) On the relationships of the different parts of the Old Red Sandstone system with the counties of Moray, Nairn, Banff, and Inverness, in which organic

## References

---

- remains have recently been discovered. *Transactions of the Inverness Scientific Society*, **8**, 44–64.
- Malcolmson, J.G. (1842) On the relations of the different parts of the Old Red Sandstone, in which organic remains have been recently discovered, in the counties of Murray, Nairn, Banff and Inverness (Abstract). *Proceedings of the Geological Society of London*, **3**, 141–4.
- Malcolmson, J.G. (1859) On the relationships of the different parts of the Old Red Sandstone in which organic remains have recently been discovered, in the counties of Moray, Nairn, Banff and Inverness. *Quarterly Journal of the Geological Society, London*, **15**, 336–52.
- Malzahn, E. (1968) über neue Funde von *Janassa bituminosa* (Schloth) in niederrheinischen Zechstein. Ein Beitrag zur Histologie der Zähne, Haut und Lebensweise. *Geologische Jahrbuch*, **85**, 67–96.
- Mantell, G.A. (1822) *The Fossils of the South Downs: or Illustrations of the Geology of Sussex*, Lupton Rolfe, London, 327 pp.
- Mantell, G.A. (1846) Notes on the Wealden strata of the Isle of Wight, with an account of the bones of iguanodont and other reptiles discovered at Brook Point and Sandown Bay. *Quarterly Journal of the Geological Society of London*, **2**, 91–6.
- Mantell, G.A. (1854) *The Medals of Creation*. 2nd edn, H.G. Bohn, London, pp. 446.
- Mark-Kurik, E. (1969) Distributions of vertebrates in the Silurian of Estonia. *Lethaia*, **2**, 145–52.
- Mark-Kurik, E. (1978) The correlation of Middle Devonian of the east Baltic and the north of the British Isles. Abstracts. *Palaeontological Association Symposium on the Devonian System, Bristol*, 1978 (PADS78), p. 37.
- Mark-Kurik, E. (1995) Trophic relations of Devonian fishes. *Geobios Mémoire Spécial* No 19, 121–3.
- Mark-Kurik, E. and Noppel, T. (1970) Additional notes on the distribution of vertebrates in the Silurian of Estonia. *Eesti NSV Akademia TU, Geology*, **19**, 171–3.
- Marshall, J.E.A. (1992) The Orcadian Basin, Scotland: external correlations and marine incursions. *Palynology*, **16**, 225–6.
- Marshall, J.E.A. and Allen, K.C. (1982) Devonian miospores from Fair Isle, Scotland. *Palaeontology*, **25**, 277–312.
- Marshall, J.E.A. and Whiteside, D.I. (1980) Marine influences in the Triassic 'uplands'. *Nature*, **287**, 627–8.
- Marshall, J.E.A., Rogers, D.A. and Whiteley, M.J. (1996) Devonian marine incursions into the Orcadian Basin, Scotland. *Journal of the Geological Society, London*, **153**, 451–66.
- Märss, T. (1986) Pozvonochniye Siluria Estonii: Zapondnoi Latvii (Silurian vertebrates of Estonia and west Latvia). *Fossilia Baltica*, **1**, Valgus, Tallinn, 104 pp.
- Märss, T. (1989) Vertebrates. In *The Global Standard for the Silurian System* (eds C.H. Holland and M.G. Bassett), *National Museum of Wales, Geological Series*, **9**, pp. 284–9.
- Märss, T. and Einasto, R. (1978) Raspredeleene vertebrat v raznofacial'nych otlozenijach silura severnoj probaltiki (Distribution of vertebrates of various facies in the North Baltic Silurian). *Eesti NSV Teaduste Akademia Toimetised, Geologia*, **27**, 16–22. [In Russian with English summary.]
- Märss, T., Fredholm, D., Karatajute-Talimaa, V. et al. (1995) Silurian Vertebrate Biozonal Scheme. *Geobios Mémoire Spécial*, **19**, 369–72.
- Märss, T. and Ritchie, A. (1998) Articulated thelodonts from Scotland. *Transactions of the Royal Society of Edinburgh*, **88**, 143–95.
- Marston, A. (1870) On the transition beds between the Devonian and the Silurian rocks. *Geological Magazine*, **7**, 408–10.
- Marston, A. (1882a) Fossils from Old Red Sandstone at Whitbach. *The Geologist*, **IV**, 118.
- Marston, A. (1882b) *Guide to the Geology of Ludlow*. Privately published, Ludlow.
- Martill, D.M. (1985) The preservation of marine vertebrates in the Lower Oxford Clay (Jurassic) of central England. *Philosophical Transactions of the Royal Society of London*, **B311**, 155–65.
- Martill, D.M. (1986) The stratigraphical distribution of fossil vertebrates in the Oxford Clay of England. *Mercian Geologist*, **10**, 161–86.
- Martill, D.M. (1988) *Lesichthys problematicus*, a giant filter-feeding teleost from the Jurassic of England and France. *Neues Jahrbuch für Geologie und Paläontologie, Monatshefte*, 670–80.
- Martill, D.M. (1989) A new hybodont shark (*Hybodus dawni*) from the Oxford Clay of England. *Mercian Geologist*, **11**, 245–9.

## References

- Martill, D.M. (1990) New plesiosaur find in Oxford Clay. *Geology Today*, **6**, 6–7.
- Martill, D.M. and Dawn, A. (1986) Fossil vertebrates from new exposures of the Westbury Formation (Upper Triassic) at Newark, Nottinghamshire. *Mercian Geologist*, **10**, 127–33.
- Martill, D.M. and Hudson, J.D. (1991) *Fossils of the Oxford Clay*. Palaeontological Association, London, 286 pp.
- Martill, D.M., Taylor, M.A., Duff, K.L., Riding, J.B. and Brown, P.R. (1994) The trophic structure of the biota of the Peterborough member, Oxford Clay Formation (Jurassic), UK. *Journal of the Geological Society, London*, **151**, 173–94.
- Martin, J. (1837) On the geology of Morayshire. *Transactions of the Highlands Agricultural Society of Scotland, New Series*, **5**, 417–40.
- Martin, J., Frey, E. and Riess, J. (1986) Soft tissue preservation in ichthyosaurs and a stratigraphic revision of the Lower Hettangian of Barrow-upon-Soar, Leicestershire. *Transactions of the Leicestershire Literary and Philosophical Society*, **80**, 58–72.
- Martinsson, A. (1977) Baltoscandia. In *The Silurian–Devonian Boundary* (ed. A. Martinsson), International Union of Geological Sciences, Series A, Stuttgart, **5**, 45–51.
- Martyn, S. (1875) On fish remains in the Bristol Old Red Sandstone. *Proceedings of the Bristol Naturalists' Society, New Series*, **1**, 141–4.
- Mégnien, C. and Mégnien, F. (eds) (1980) Synthèse géologique du bassin de Paris. *Mémoires du Bureau Recherches Géologiques et Minières*, pp. 101–3.
- Melville, R.V. and Freshney, E.C. (1982) *The Hampshire Basin and Adjoining Areas, British Regional Geology*, HMSO, London, 138 pp.
- Meszoely, C.A.M. and Ford, R.L.E. (1976) Eocene glass-lizard *Ophisaurus* (Anguidae) from the British Isles. *Copeia*, 407–8.
- Meszoely, C.A.M., Sinar, Z.V. and Ford, R.L.E. (1984) A new palaeobatrachid frog from the Eocene of the British Isles. *Journal of Vertebrate Paleontology*, **3**, 143–7.
- Metcalfe, A.T. (1884) On further discoveries of vertebrate remains in the Triassic strata of the south coast of Devonshire between Budleigh Salterton and Sidmouth. *Quarterly Journal of the Geological Society of London*, **40**, 257–62.
- Metcalf, S.J., Vaughan, R.F., Benton, M.J. et al. (1992) A new Bathonian (Middle Jurassic) microvertebrate site, within the Chipping Norton Formation at Hornsleasow Quarry, Gloucestershire. *Proceedings of the Geologists' Association*, **103**, 321–42.
- Meyer, H.V. (1859) *Squatina Tbaumas speciosa* ans dem lithographischen Schiefer von Eichstätt. *Palaeontographica*, **7**, 3–8.
- Miall, I.C. (1874) On the remains of Labyrinthodonts from the Keuper Sandstone of Warwick, preserved in the Warwick Museum. *Quarterly Journal of the Geological Society of London*, **30**, 417–35.
- Miles, R.S. (1966) The acanthodian fishes of the Devonian Plattenkalk of the Paffrath Trough in the Rhineland. With an appendix containing a revision of the Acanthodii and a revision of the genus *Homalacanthus*. *Arkiv for Zoologi*, **18**, 147–94.
- Miles, R.S. (1967) Observation on the Ptyctodont fish *Rhamphodopsis*. *Journal of the Linnean Society, London*, **47**, 99–120.
- Miles, R.S. (1968) *The Old Red Sandstone Antiarchs of Scotland: family Bothriolepididae*. Palaeontographical Society (Monograph), **122**, 30 pp.
- Miles, R.S. (1969) Features of placoderm diversification and the evolution of the Arthrodirine feeding mechanism. *Transactions of the Royal Society of Edinburgh*, **68**, 123–70.
- Miles, R.S. (1970) Remarks on the vertebral column and caudal fin of acanthodian fishes. *Lethaia*, **3**, 343–62.
- Miles, R.S. (1971) The Holonematidae (placoderm fishes) a review based on new specimens of *Holonema* from the Upper Devonian of Western Australia. *Philosophical Transactions of the Royal Society, London*, **B263**, 101–234.
- Miles, R.S. (1973) Articulated acanthodian fishes from the Old Red Sandstone of England, with a review of the structure and evolution of the acanthodian shoulder-girdle. *Bulletin of the British Museum (Natural History), Geology*, **24**, 113–213.
- Miles, R.S. and Westoll, T.S. (1963) Two new genera of Coccosteid Arthrodira from the Middle Old Red Sandstone of Scotland, and their stratigraphical distribution. *Transactions of the Royal Society of Edinburgh*, **65**, 179–216.
- Miles, R.S. and Westoll, T.S. (1968) The placoderm *Coccosteus cuspidatus* Miller et Agassiz from the Middle Old Red Sandstone of

## References

---

- Scotland. *Transactions of the Royal Society of Edinburgh*, **67**, 373–476.
- Miles, R.S. and Young, G.C. (1977) Placoderm interrelationships reconsidered in the light of new ptyctodontids from Gogo, Western Australia. In *Problems in Vertebrate Evolution* (eds S.M. Andrews, R.S. Miles and A.D. Walker), *Linnean Society Symposium Series*, **4**, Academic Press, 123–98 pp.
- Miller, C.G. (1995) Ostracodes and conodont distribution across the Ludlow/Přídolí boundary of Wales and the Welsh Borderland. *Palaeontology*, **38**, 341–84.
- Miller, H. (1849) *Asterolepis*, and other allied genera of fossil fishes from the Old Red Sandstone. *Annals and Magazine of Natural History*, **11**, (2), 63–65.
- Miller, H. (1858) *The Cruise of the Betsey or a Summer Holiday in the Hebrides*. Constable, Edinburgh, 486 pp.
- Mills, D.A.C. and Hull, J.H. (1976) *Geology of the Country around Barnard Castle* (Sheet 32). Memoirs of the Geological Survey of the United Kingdom, London, 385 pp.
- Milner, A.C. (1986) Amphibians and squamates from the Palaeozoic of England. In *Studies in Herpetology* (ed. Z. Roček) Prague, pp. 685–8.
- Milner, A.C. (1994) The aistopod amphibians from the Viséan of East Kirkton, West Lothian, Scotland. *Transaction of the Royal Society of Edinburgh: Earth Sciences*, **84**, 363–8.
- Milner, A.C., Milner, A.R. and Estes, R.D. (1982) Amphibians and squamates from the Upper Eocene of Hordle Cliff, Hampshire – a preliminary report. *Tertiary Research*, **4**, 149–54.
- Milner, A.R. (1980) The tetrapod assemblage from Nyrany, Czechoslovakia. In *The Terrestrial Environment and the Origin of Land Vertebrates* (ed. A. Panchen), *Systematics Association Special Volume*, **10**, Academic Press, pp. 439–96.
- Milner, A.R. (1987) The Westphalian tetrapod fauna; some aspects of its geography and ecology. *Journal of the Geological Society, London*, **144**, 495–506.
- Milner, A.R. (1993a) Amphibia-grade tetrapoda. In *The Fossil Record 2* (ed. M.J. Benton), Chapman and Hall, London, pp. 665–79.
- Milner, A.R. (1993b) Biogeography of Palaeozoic tetrapods. In *Palaeozoic Vertebrate Biostratigraphy and Biogeography* (ed. J.A. Long), Belhaven Press, London, pp. 324–65.
- Milner, A.R. and Sequiera, S.A.K. (1994) The temnospondyl amphibians from the Viséan of East Kirkton, West Lothian, Scotland. *Transactions of the Royal Society, Edinburgh: Earth Sciences*, **84**, 331–61.
- Milner, A.R., Gardiner, B.G., Fraser, N.C. and Taylor, M.A. (1990) Vertebrates from the Middle Triassic Otter Sandstone Formation of Devon. *Palaeontology*, **33**, 873–92.
- Milner, A.R., Smithson, T.R., Milner, A.C., Coates, M.I. and Rolfe, W.D.I. (1986) The search for early tetrapods. *Modern Geology*, **110**, 1–28.
- Mitchell, G.H. and Mykura, W. (1962) *The Geology of the Neighbourhood of Edinburgh*. Memoirs of the Geological Survey of Great Britain (3rd edn).
- Mitchell, H. (1859) On the flagstones of Forfarshire. *The Geologist*, **2**, 147–9.
- Mitchell, H. (1860) Notice of new fossil from the Lower Old Red Sandstone of Scotland. *The Geologist*, **3**, 273–5.
- Mitchell, H. (1862) On the restoration of *Pteraspis*. *The Geologist*, **5**, 404–6.
- Moore, C. (1867) On abnormal conditions of secondary deposits when connected with the Somersetshire and South Wales Coal-basins etc.. *Quarterly Journal of the Geological Society of London*, **23**, 449–568.
- Moore, C. (1881) On abnormal geological deposits in the Bristol district. *Quarterly Journal of the Geological Society of London*, **37**, 67–82.
- Morales, M. (1987) Terrestrial fauna and flora from the Triassic Moenkopi Formation of the southwestern United States. *Journal of the Arizona–Nevada Academy of Science*, **22**, 1–19.
- Morgan, C.L. and Reynolds, S.H. (1901) Triassic deposits at Emborough. *Proceedings of the Bristol Naturalists' Society*, **9**, (3), 109–17.
- Morris, J. (1854) *A catalogue of British fossils. Comprising the genera and species hitherto described, with reference to their distribution, and to the localities in which they have been found*. London, 372 pp.
- Morris, J. and Roberts, G.E. (1862) On the Carboniferous Limestone of Oretton and Farlow, Clee Hills, Shropshire etc.. *Quarterly Journal of the Geological Society of London*, **18**, 94–102.
- Mortimore, R.N. (1983) The stratigraphy and sedimentation of the Turonian–Campanian in the southern province of England. *Zitteliana*, **10**, 27–41.
- Mortimore, R.N. (1986) Stratigraphy of the Upper Cretaceous White Chalk of Sussex.

## References

---

- Proceedings of the Geologists' Association*, **97**, 97–139.
- Morton, A.C. (1982) The provenance and diagenesis of Palaeogene sandstones of southeast England as indicated by heavy mineral analysis. *Proceedings of the Geologists' Association*, **93**, 263–74.
- Morton, D.J. (1979) Palaeogeographical evolution of the Lower Old Red Sandstone basin in the western Midland Valley. *Scottish Journal of the Geology*, **15**, 97–116.
- Moy-Thomas, J.A. (1934) The structural affinities of *Tarrasius problematicus* Traquair. *Proceedings of the Zoological Society, London*, 367–76.
- Moy-Thomas, J.A. (1935) The structure and affinities of *Chondrenchelys problematicus* Tr. *Proceedings of the Zoological Society of London*, (1935), 391–403.
- Moy-Thomas, J.A. (1936) On the structure and affinities of the fossil elasmobranch fishes of the Lower Carboniferous rocks of Glencarholm, Eskdale. *Proceedings of the Zoological Society, London*, 761–88.
- Moy-Thomas, J.A. (1937a) On the structure and affinities of the Carboniferous coeliodont *Helodus simplex*. *Geological Magazine*, **74**, 183–4.
- Moy-Thomas, J.A. (1937b) The palaeoniscids of the cement stones of Tarras Waterford, Eskdale, Dumfriesshire. *Annals and Magazine of Natural History*, **20**, 345–56.
- Moy-Thomas, J.A. (1937c) The Carboniferous coelacanth fishes of Great Britain and Ireland. *Proceedings of the Zoological Society, London*, **B107**, 383–415.
- Moy-Thomas, J.A. (1937d) On the Carboniferous fish *Eucenturus paradoxus* Agassiz. *Geological Magazine*, **74**, 183–4.
- Moy-Thomas, J.A. (1938a) A revision of the fishes referred to the genus *Canobius* from the Lower Carboniferous localities other than Glencarholm. *Annals and Magazine of Natural History*, **2**, (11), 291–9.
- Moy-Thomas, J.A. (1938b) On the teeth of a new elasmobranch from the Calciferous Sandstones of Glencarholm, Eskdale, Dumfriesshire. *Annals and Magazine of Natural History*, **2**, (11), 612–3.
- Moy-Thomas, J.A. (1939) The early evolution and relationships of elasmobranchs. *Biological Review*, **14**, 1–26.
- Moy-Thomas, J.A. (1940) The Devonian fish *Palaeospondylus gunni* Traquair. *Philosophical Transactions of the Royal Society, Edinburgh*, **59**, 437–80.
- Moy-Thomas, J.A. and Bradley Dyne, M. (1938) Actinopterygian fishes from the Lower Carboniferous of Glencarholm, Eskdale, Dumfriesshire. *Transactions of the Royal Society of Edinburgh*, **59**, 437–80.
- Moy-Thomas, J.A. and Miles, R.S. (1971) *Palaeozoic Fishes*. Chapman and Hall, London, 259 pp.
- Murchison, R.I. (1827) On the coal-field of Brora in Sutherlandshire, and some stratified deposits in the north of Scotland. *Transactions of the Geological Society, London*, **2**, 293–326.
- Murchison, R.I. (1828) Supplementary Remarks on the Strata of the Oolite Series and the Rocks associated with them, in the Counties of Sutherland and Ross, and in the Hebrides. *Transactions of the Geological Society*, **2**, 353–68.
- Murchison, R.I. (1833) On the sedimentary deposits which occupy the western parts of Shropshire and Herefordshire. *Proceedings of the Geological Society, London*, **1**, 470–1.
- Murchison, R.I. (1834a) On the Old Red Sandstone in the counties of Hereford, Brecknock and Caermarthen. *Proceedings of the Geological Society, London*, **2**, 11–13.
- Murchison, R.I. (1834b) Contribution to discussion. *Proceedings of the Geological Society, London*, **2**, 13–18.
- Murchison, R.I. (1839) *The Silurian System*, 2 vols, John Murray, London, 768 pp.
- Murchison, R.I. (1841) Fishes of the Old Red Sandstone. *Report of the British Association for the Advancement of Science*, Glasgow, **1840**, 99 pp.
- Murchison, R.I. (1853) On some of the remains in the bone-bed of the Upper Ludlow Rock. *Quarterly Journal of the Geological Society of London*, **9**, 16–17.
- Murchison, R.I. (1854) *Siluria*, 1st edn, John Murray, London.
- Murchison, R.I. (1856a) On the relations of the crystalline rocks of the North Highlands to the Old Red Sandstone of that region, and on the recent discoveries of fossil in the former by Mr. Charles Peach. *Report of the British Association for the Advancement of Science*, Glasgow, **25**, 85–8.
- Murchison, R.I. (1856b) On the discovery, by Mr. Robert Slimon, of fossils in the uppermost Silurian rocks near Lesmahago in Scotland,

## References

---

- with observation on the relations of the Palaeozoic strata in that part of Lanarkshire. *Quarterly Journal of the Geological Society, London*, **12**, 15–24.
- Murchison, R.I. (1859a) On the succession of the older rocks in the northernmost counties of Scotland; with some observations on the Orkney and Shetland Islands. *Quarterly Journal of the Geological Society, London*, **15**, 353–418.
- Murchison, R.I. (1859b) On the succession of the older rocks in the northernmost counties of Scotland. *Quarterly Journal of the Geological Society of London*, **17**, 145–51.
- Murchison, R.I. (1859c) *Siluria*, 3rd edn, John Murray, London, 560 pp.
- Murchison, R.I. (1867) *Siluria*, 4th edn, John Murray, London, 566 pp.
- Murchison, R.I. (1872) *Siluria*, 5th edn, 2 vols, John Murray, London, 555 pp.
- Mykura, W. (1976) *Orkney and Shetland. British Regional Geology*, Institute of Geological Sciences, HMSO, Edinburgh, 149 pp.
- Mykura, W. (1991) Old Red Sandstone. In *The geology of Scotland*, 3rd edn (ed. G.Y. Craig), The Geological Society, London, pp. 297–346.
- Mykura, W. and Pheasant, J. (1976) *The Geology of Western Shetland*. Memoirs of the Geological Survey of Great Britain, HMSO, Edinburgh, 289 pp.
- Nairn, A.E.M. (1954) The Lower Carboniferous rocks between the Rivers Esk and Annan, Dumfriesshire. *Transactions of the Geological Society of Glasgow*, **22**, 80–93.
- Neale, J.W. (1974) Cretaceous. In *The Geology and Mineral Deposits of Yorkshire* (eds D.H. Rayner and J.E. Hemingway), Yorkshire Geological Society, pp. 225–43.
- Nelson, G.J. (1973) Relationships of clupeomorphs, with remarks on the structure of the lower jaw in fishes. In *Interrelationships of Fishes* (eds P.H. Greenwood, R.S. Miles and C. Patterson). *Zoological Journal of the Linnean Society*, **53** (Supplement 1), 333–49.
- Neves, R. and Dolby, G. (1967) An assemblage of miospores from the Portishead Beds (Upper Old Red Sandstone) of the Mendip Hills, England. *Pollen et Spores*, **9**, No. 3.
- Neves, R., Gueinn, K.J., Clayton, G., Ioannides, N. and Neville, R.S.W. (1972) A scheme of miospore zones for the British Dinantian. *Comptes Rendus 7<sup>e</sup> Congrès pour l'Avancement de Stratigraphie et Géologie du Carbonifère, Krefeld*, **1**, 347–53.
- Neves, R., Gueinn, K.J., Clayton, G., Ioannides, N., Neville, R.S.W. and Kruszewaska, K. (1973) Palynological correlation within the Lower Carboniferous of Scotland and northern England. *Transactions of the Royal Society of Edinburgh*, **69**, 23–70.
- Newton, E.T. (1877) On the remains of *Hypsodon*, *Portheus*, and *Ichthyodectes* from British Cretaceous strata with descriptions of new species. *Quarterly Journal of the Geological Society of London*, **33**, 505–23.
- Newton, E.T. (1878) Notes on a crocodilian jaw from the Corallian rocks of Weymouth. *Quarterly Journal of the Geological Society of London*, **34**, 398–400.
- Newton, E.T. (1887) On the remains of fishes from the Keuper of Warwickshire and Nottingham. *Quarterly Journal of the Geological Society of London*, **43**, 537–540.
- Newton, E.T. (1892) Note on a new species of *Onychodus* from the Lower Old Red Sandstone of Fairfax. *Geological Magazine*, **9**, (3), 49–50.
- Newton, E.T. (1899) On a Megalosaurid jaw from Rhaetic beds near Bridgend. *Quarterly Journal of the Geological Society of London*, **55**, 89–96.
- Nielsen, E. (1949) Studies on Triassic fishes from East Greenland. II *Australosmus* and *Birgeria*. *Meddelelser om Grönland*, **146**, 1–309.
- Nolf, D. (1985) Otolithi piscium. In *Handbook of Paleoichthyology*, Vol. 10 (ed. H.-P. Schultz), Gustav Fischer Verlag, Stuttgart and New York, 145 pp.
- Norman, D.B. (1980) On the ornithischian dinosaur *Iguanodon beruissartensis* from the Lower Cretaceous of Beruissart, Belgium. *Institut royale du Science naturelle de Belgique, Mémoire*, **178**, 103 pp.
- Norman, D.B. (1987) Wealden dinosaur biostratigraphy. 4th Symposium on Mesozoic Terrestrial Ecosystems. *Occasional Papers, Tyrrell Museum of Palaeontology*, **3**, 165–70.
- Novitskaya, L.I. (1975) Revision of the Devonian pteraspids from Podolia. *Palaeontologiski Zhurnal*, **4**, 72–85.
- Nunn, J.F. (1992) A geological map of Purbeck Beds in the northern part of Durlston Bay. *Proceedings of the Dorset Natural History and Archaeological Society*, **113**, 145–8.
- Nybelin, O. (1966) On certain Triassic and Liassic representatives of the family

## References

- Pholidophoridae. *Bulletin of the British Museum (Natural History), Geology*, **11**, 351–432.
- Nybelin, O. (1974a) A revision of the letolepid fishes. *Acta Regiae Societatis scientiarum et litterarum gothobergensis (Zoologia)*, **9**, 1–202.
- Nybelin, O. (1974b) Primitive teleosts at Lyme Regis. *Zoologica Scripta*, **2**, 233–44.
- Obruchev, D. (1941) Studies on Devonian fishes from the USSR. *Transactions of the Palaeontological Institute, Academy of Science, USSR*, **8**, 1–48.
- Obruchev, D.V. (1949) Concerning the origin of cyclostomes. *Transactions of the Palaeontological Institute, Academy of Science, USSR*, **20**, 141–9. [In Russian].
- Obruchev, D.V. and Karatajute-Talimaa, V.N. (1967) Vertebrate faunas and correlation of the Ludlovian–Lower Devonian of eastern Europe. *Zoological Journal of the Linnean Society, London*, **47**, 5–14.
- Odin, G.S. and Curry, D. (1985) The Palaeogene time scale: radiometric dating versus magnetostratigraphic approach. *Journal of the Geological Society, London*, **142**, 1179–88.
- Odin, G.S., Curry, D. and Hunziker, J.C. (1978) Radiometric dates from the NW European glauconites and the Palaeogene time scale. *Journal of the Geological Society, London*, **135**, 481–97.
- Odling, M. (1913) The Bathonian rocks of the Oxford district. *Quarterly Journal of the Geological Society, London*, **69**, 484–513.
- Old, R.A., Sumbler, M.G. and Ambrose, K. (1987) *Geology of the Country around Warwick* (Sheet 184). Memoirs of the British Geological Survey, HMSO, London, 93 pp.
- Oppel, A. (1856) *Die Juraformation Englands, Frankreichs und des Südwestlichen Deutschlands*. Ebner and Seubert, Stuttgart, 857 pp.
- Ørvig, T. (1951) Histologic studies of Placoderms and fossil Elasmobranchs, 1: the endoskeleton, with remarks on the hard tissues of lower vertebrates in general. *Arkiv für Zoologi*, **2**, No 2.
- Ørvig, T. (1957) Remarks on the vertebrate fauna of the Lower Upper Devonian of Escuminac Bay, P.Q., Canada, with special reference to the Porolepiform Crossopterygians. *Arkiv für Zoologi*, **2** (10), 367–426.
- Ørvig, T. (1960) New finds of acanthodians, arthrodirans, crossopterygians, ganioids and diporans in the Upper Middle Devonian Calcareous Flags (Oberer Plattenkalk) of the Besgisch-Gladbach Trough (Part I). *Paläontologische Zeitschrift*, **34**, 295–335.
- Ørvig, T. (1967) Some new acanthodian material from the Lower Devonian of Europe. *Journal of the Linnean Society (Zoological), London*, **47**, 373–97.
- Ørvig, T. (1969) The vertebrate fauna of the Primaeva Beds of the Fraenkelryggen formation of Spitsbergen and its biostratigraphic significance. *Lethaia*, **2**, 219–39.
- Ørvig, T. (1973) Acanthodian dentition and its bearing on the relationships of the group. *Palaeontographica, Abteilung A*, **143**, 119–50.
- Ostrom, J. (1970) Stratigraphy and paleontology of the Cleverly Formation (Lower Cretaceous) of the Bighorn Basin area, Wyoming and Montana. *Yale University Peabody Museum of Natural History, Bulletin*, **35**, 234 pp.
- Owen, E. and Smith, A.B. (eds) (1987) *Fossils of the Chalk*. Palaeontological Association, 292 pp.
- Owen, H.G. (1971) Middle Albian stratigraphy in the Anglo-Paris Basin. *Bulletin of the British Museum Natural History (Geology)*. Supplement **8**, 164 pp.
- Owen, H.G. (1975) The stratigraphy of the Gault and upper Greensand of the Weald. *Proceedings of the Geologists' Association*, **86**, 475–98.
- Owen, R. (1838) On the dislocation of the tail at a certain point, observable in the skeleton of many ichthyosaurs. *Proceedings of the Geological Society of London*, **11**, 660–2.
- Owen, R. (1840–45) *Odontography, or a treatise on the comparative anatomy of teeth*, Bailliere, London, 655 pp.
- Owen, R. (1842a) Description of parts of the skeleton and teeth of five species of the genus *Labyrinthodon* (*Labyrinthodon leptognathus*, *Labyrinthodon pachygynathus*, and *Labyrinthodon ventrinosus* from the Coton-end and Cublington Quarries of the Lower Warwick Sandstones, *Labyrinthodon scutulatus*, from Leamington); with remarks on the probable identity of the *Cheirotherium* with this genus of extinct batrachians. *Transactions of the Geological Society, London, Series 2*, **6**, 515–43.
- Owen, R. (1842b) Report on British fossil rep-

## References

---

- tiles. *Report of the British Association for the Advancement of Science*, 1841, 60–204.
- Page, K. (1993) Geological site documentation: Tottenhoe Chalk Quarry SSSI, English Nature, Peterborough, Unpublished.
- Palmer, C.P. (1972) A revision of the zonal classification of the Lower Lias of the Dorset coast in south west England. *Newsletters in Stratigraphy*, **2**, 45–54.
- Palmer, C.P. (1988) The Kimmeridgian fauna associated with the Portland plesiosaur. *Proceedings of the Dorset Natural History and Archaeological Society*, **109**, 109–12.
- Palmer, D., Johnston, J.D., Dooley, T. and Maguire, K. (1989) The Silurian of Clew Bay, Ireland: part of the Midland Valley of Scotland. *Journal of the Geological Society, London*, **146**, 385–8.
- Palmer, T.J. (1973) Field meeting in the Great Oolite of Oxfordshire. *Proceedings of the Geologists' Association*, **84**, 53–64.
- Palmer, T.J. (1979) The Hampen Marly and White Limestone formations: Florida-type carbonate lagoons in the Jurassic of Central England. *Palaeontology*, **22**, 189–228.
- Pan, J. (1984) A new species of *Microbrachius* from the Middle Devonian of Yunnan. *Vertebrata Palasiatica*, **22**, 8–13.
- Pan, J. and Dineley, D.L. (1988) A review of early (Silurian and Devonian) vertebrate biogeography and biostratigraphy of China. *Proceedings of the Royal Society, London*, **B235**, 29–61.
- Pan, J., Wang, S.-t., Liu, S.-y., Gu, Q.-C. and Jia, H. (1980) Discovery of Devonian *Botriolepis* and *Remigolepis* in Ningxia. *Acta Palaeontologica Sinica*, **54**, 176–85.
- Panchen, A.L. (1970) Anthracosaura. In *Handbuch der Paläoherpetologie*, Part 5a (ed. O. Kuhn), Gustav Fischer Verlag, Stuttgart, pp. 1–84.
- Panchen, A.L. (1973) Carboniferous tetrapods. In *Atlas of Palaeobiology* (ed. A. Hallam), Elsevier Scientific Publishing Company, pp. 117–26.
- Panchen, A.L. (ed.) (1980) *The Terrestrial Environment and the Origin of Land vertebrates. Systematics Association Special Volume*, **15**, Academic Press, London, 633 pp.
- Pander, C.H. (1856) *Monographie des fossilien Fische des silurischen Systems der russischen baltischen Gouvernements*. St Petersburg, 91 pp.
- Pander, C.H. (1857) *Über die Placodermen des devonischen Systems*. Akademie für Wissenschaft, St Petersburg.
- Pander, C.H. (1858) *Über die Ctenodipterinen des devonischen Systems*. Akademie für Wissenschaft, St Petersburg.
- Pander, C.H. (1860) *Über die Saurodipterinen, Dendrodipterinen, Glyptopiden und Cheirolepiden des devonischen Systems*. Akademie für Wissenschaft, St Petersburg.
- Panteleyev, N. (1992) New remigolepids and high armoured antiarchs of Kirgizia. In *Fossil Fishes as Living Animals* (ed. E. Mark-Kurik), Academy of Sciences, Estonia, Tallinn, pp. 185–91.
- Parrington, F.R. (1949) A theory of the relation of lateral lines to dermal bones. *Proceedings of the Zoological Society, London*, **119**, 65–78.
- Parrington, F.R. (1958) On the nature of the anaspida. In *Studies on Fossil Vertebrates* (ed. T.S. Westoll), Athlone Press, London, pp. 108–28.
- Parrington, F.R. (1967) The identification of the dermal bones of the head. *Journal of the Linnean Society (Zoological)*, **47**, 321–39.
- Parnell, J. (1985) Significance of lacustrine cherts for the environment of source rock deposition in the Orcadian Basin, Scotland. In *Lacustrine Petroleum Source Rocks* (eds A.J. Fleet, K. Kelts and M.R. Talbot), *The Geological Society, London, Special Publication* **40**, 205–17.
- Paterson, R. (1837) On the fossil remains found in the coal formation at Wardie, near Newhaven. *Edinburgh New Philosophical Journal*, **23**, 146–55.
- Paterson, I.B., Browne, M.A.E., and Armstrong, M. (1976) Letter to the Editor: Upper Old Red Sandstone Palaeogeography. *Scottish Journal of Geology*, **12**, 89–91.
- Paton, R.L. (1974) Capitosaurid labyrinthodonts from the Trias of England. *Palaeontology*, **17**, 253–89.
- Paton, R.L. (1975) A lower Permian temnospondylous amphibian from the English Midlands. *Palaeontology*, **18**, 813–45.
- Paton, R.L. (1976) A catalogue of fossil vertebrates in the Royal Scottish Museum, Part 5, Acanthodii. *Royal Scottish Museums, Information Series, Geology*, **6**, 1–40.
- Paton, R.L. (1981) A catalogue of fossil vertebrates in the Royal Scottish Museum, Part 6, Placodermi. *Royal Scottish Museums, Information Series, Geology*, **9**, 1–70.

## References

---

- Paton, R.L. (1994) Elasmobranch fishes from the Viséan of East Kirkton, West Lothian, Scotland. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **84**, 329–30.
- Patterson, C. (1964) A review of Mesozoic acanthopterygian fishes, with special reference to those of the English Chalk. *Philosophical Transactions of the Royal Society, London*, **B247**, 213–482.
- Patterson, C. (1965) The phylogeny of the chimaeroids. *Philosophical Transactions of the Royal Society, London*, **B 249**, 101–219.
- Patterson, C. (1966) British Wealden sharks. *Bulletin of the British Museum (Natural History), Geology*, **11**, 283–350.
- Patterson, C. (1967) Are the teleosts a polyphyletic group? *Colloques international du Centre national de Recherche scientifique*, **163**, 93–109.
- Patterson, C. (1968) The caudal skeleton in Lower Liassic pholidophorid fishes. *Bulletin of the British Museum (Natural History), Geology*, **16**, 201–39.
- Patterson, C. (1970) A clupeomorph fish from the Gault (Lower Cretaceous). *Zoological Journal of the Linnean Society*, **49**, 161–82.
- Patterson, C. (1973) Interrelationships of holosteans. In *Interrelationships of Fishes* (eds P.H. Greenwood, R.S. Miles and C. Patterson), *Zoological Journal of the Linnean Society*, **53** (Supplement 1), 233–305.
- Patterson, C. (1975) The braincase of pholidophorid and leptolepid fishes, with a review of the actinopterygian braincase. *Philosophical Transactions of the Royal Society, London*, **B269**, 275–579.
- Patterson, C. (1992) Interpretation of the toothplates of chimaeroid fishes. *Zoological Journal of the Linnean Society*, **106**, 33–61.
- Patterson, C. (1993) Osteichthyes: Teleosts. In *The Fossil Record 2* (ed. M.J. Benton), Chapman and Hall, London, pp. 621–56.
- Patterson, C. and Rosen, D.E. (1977) Review of ichthyodectiform and other Mesozoic teleost fishes and the theory and practice of classifying fossils. *Bulletin of the American Museum of Natural History*, **158**, 81–172.
- Pattison, J., Smith, D.B. and Warrington, G. (1973) A review of late Permian biostratigraphy in British Isle. In *The Permian and Triassic Systems and their Mutual Boundary* (eds A.V. Logan and I.V. Mills), *Memoirs of the Canadian Society of Petroleum Geologists*, **2**, 220–60.
- Pattison, S.R. (1848) A brief description of the Coast of Cornwall, between Padstow River and Perran Sands. *Transactions of the Royal Geological Society Cornwall*, **7**, 47–52.
- Peach, B.N. (1902) In *The Geology of Eastern Fife* (ed. A. Geikie). Memoirs of the Geological Survey of Scotland, HMSO, Edinburgh.
- Peach, B.N. and Horne, J. (1879) The Old Red Sandstone of Scotland. *Proceedings of the Royal Society of Edinburgh*, **5**, 80–7.
- Peach, B.N. and Horne, J. (1880) The Old Red Sandstone of Orkney. *Proceedings of the Royal Physical Society of Edinburgh*, **5**, 329–42.
- Peach, B.N. and Horne, J. (1884) The Old Red volcanic rocks of Scotland. *Transactions of the Royal Society of Edinburgh*, **23**, 778.
- Peach, B.N. and Horne, J. (1899) *The Silurian Rocks of Britain. 1. Scotland*. Memoirs of the Geological Survey of the United Kingdom, HMSO, Glasgow, 660 pp.
- Peach, B.N. and Horne, J. (1903) The Canonbie coalfield: its geological structures and relations to the Carboniferous rocks of the north of England and central Scotland. *Transactions of the Royal Society of Edinburgh*, **40**, 835–77.
- Peach, B.N., Gunn, W., Clough, C.T. et al. (1910) *The Geology of the Neighbourhood of Edinburgh* (2nd edn). Memoirs of the Geological Survey of Scotland, HMSO, Edinburgh, 405 pp.
- Peach, B.N., Gunn, W., Clough, C.T., Hinxman, L.W., Crompton, C.B. and Anderson, E.M. (1912) *The geology of Ben Wyvis, Carn Chuinneag, Inchbae and the surrounding country*. Memoirs of the Geological Survey of Scotland, HMSO, Edinburgh, 182 pp.
- Peach, C.W. (1868) On fossil fishes of the Old Red Sandstone of Caithness and Sutherland, with notices of some new to these comments. *Report of the British Association for the Advancement of Science*, Dundee, **37**, 72.
- Peach, J. (1882a) On some new Crustaceans from the Lower Carboniferous rocks of Eskdale and Liddesdale. *Transactions of the Royal Society of Edinburgh*, **30**, 73–91.
- Peach, J. (1882b) On some new species of fossil scorpions from the Carboniferous rocks of Scotland, with a review of the genera *Eoscorpius* and *Mazonia* of Messrs Meek and

## References

---

- Worthen. *Transactions of the Royal Society of Edinburgh*, **30**, 397–412.
- Peacock, J.D., Berridge, N.G., Harris, A.L. and May, F. (1968) *The Geology of the Elgin District* (Sheet 95). Memoirs of the Geological Survey of Scotland, HMSO, Edinburgh, 155 pp.
- Pearson, D. and Westoll, T.S. (1979) The Devonian actinopterygian *Cheirolepis*. *Transactions of the Royal Society of Edinburgh*, **70**, 337–99.
- Pengelly, W. (1848) On the ichthyolites of east Cornwall. *Transactions of the Royal Geological Society of Cornwall*, **7**, 106–8.
- Peyer, B. (1944) Beiträge zur Kenntniss von Rhat und Lias. *Eclogae Geologae Helvetiae*, **36**, 263–9.
- Phillips, J. (1829) *Illustrations of the Geology of Yorkshire; or a description of the strata and organic remains of the Yorkshire coast*. T. Wilson and Sons, York, pp. 192.
- Phillips, J. (1848) *The Malvern Hills, compared with the Palaeozoic districts of Abberley, Woolhope, May Hill, Tortworth, and Usk*. Memoirs of the Geological Survey of Great Britain, HMSO, London, **11**, 330 pp.
- Phillips, J. (1871) *Geology of Oxford and the Valley of the Thames*. Clarendon Press, Oxford, 523 pp.
- Phelps, M.C. (1985) A refined ammonite biostratigraphy from the Middle and Upper Carixian (Ibex and Davoei zones, Lower Jurassic) in north-west Europe and stratigraphic details of the Carixian–Domerian boundary. *Geobios*, **18**, 321–62.
- Pick, M. (1964) The stratigraphy and sedimentary features of the Old Red Sandstone, Portishead coastal section, north-east Somerset. *Proceedings of the Geologists' Association*, **75**, 199–221.
- Pictet, F.J. (1850) *Description de quelques poissons fossiles du Mont Liban*. J.-G. Fick, Geneva, 59 pp.
- Pictet, F.J. (1865) Note sur une dent de l'étage aptien des environs d'Apt, appartenant à un *Notidanus*, non décrit. *Annales de la Société littéraire et artistique d'Apt (Vancluse)*, **1**, 67–70.
- Pictet, F.J. and Campiche, G. (1858a) Descriptions des fossils du terrain Crétacé des environs de Saint-Croix. *Matériel paléontologique Suisse*, **2**, 380 pp.
- Pictet, F.J. and Campiche, G. (1858b) Note sur les poissons de terrains crétacé de la Suisse et de la Savoie. *Archives des Sciences et Mathématique naturel*, **1**, 228–41.
- Pictet, F.W. and Campiche, G. (1860) Descriptions des fossils. In *Descriptions de quelques débris de reptiles et de poisson fossiles trouvé dans l'étage Jurassique Supérieur (virgulien) du Jura neuchatelois*, (F.W. Pictet and A. Jaccard). *Matières de Paléontologie Suisse* **3**, 88 pp.
- Piper, G.H. (1890) On the passage beds of the Old Red Sandstone at Ledbury. *Transactions of the Woolhope Naturalists' Field Club*, 1883, 136–9.
- Piper, G.H. (1898) The Passage Beds at Ledbury. *Transactions of the Woolhope Naturalists' Field Club*, 1895–7, 310–13.
- Pitcher, W.S., Peake, N.B., Carreck, J.N., Kirkaldy, J.F. and Hancock, J.M. (1967) *The London Region (South of the Thames)*. Geologists' Association Guides, **30B**, 32 pp.
- Pitman, W.C. III and Talwani, M. (1972) Seafloor spreading in the North Atlantic. *Bulletin of the Geological Society of America*, **83**, 619–46.
- Piveteau, J. (1966) *6, Actinopterygiens, Crossopterygiens, Dipneustes*. Traité de Paléontologie. Masson, Paris, 442 pp.
- Plot, R. (1677) *The Natural History of Oxfordshire, Being an Essay Toward the Natural History of England*. Printed at the Theatre, Oxford.
- Platt, J. (1758) An account of the fossil thigh-bone of a large animal, dug up at Stonesfield, near Woodstock in Oxfordshire. *Philosophical Transactions of the Royal Society, London*, 524–7.
- Pomerol, C. (1982) *The Cenozoic Era Tertiary and Quaternary*. John Wiley & Sons, London, 265 pp.
- Poplin, C. (1974) *Étude de quelques Paléoniscidés pennsylvaniens du Kansas*. *Cahiers de Paléontologie*, CNRS, Paris, 151 pp.
- Powell, J.H. (1984) Lithostratigraphical nomenclature of the Lias group in the Yorkshire Basin. *Proceedings of the Yorkshire Geological Society*, **45**, 51–7.
- Powrie, J. (1861) Cephalaspids of Forfarshire. *The Geologist*, **4**, 137–90.
- Powrie, J. (1864) The Scottish *Pteraspis*. *The Geologist*, **7**, 172.
- Powrie, J. (1870) On the earliest known vestiges of vertebrate life: being a description of the fish remains of the Old Red Sandstone of

## References

- Forfarshire. *Transactions of the Geological Society of Edinburgh*, **1**, 284–301.
- Pratt, J.E. (1900) Discovery of *Cephalaspis* and other fossil fishes in Old Red Sandstone near Oban. *Transactions of the Geological Society of Glasgow*, **11**, 296.
- Prestwich, J. (1837) On the structure of the neighbourhood of Gamrie, Banffshire, particularly on the deposit containing ichthyolites. *Transactions of the Geological Society of London*, **5**, (2), 139–48.
- Prestwich, J. (1838) Observations on the ichthyolites of Gamrie in Banffshire, and on the accompanying red conglomerates and sandstones. *Proceedings of the Geological Society of London*, **2**, 187–8.
- Prestwich, J. (1840) On the structure of the neighbourhood of Gamrie, Banffshire, particularly on the deposit containing ichthyolites. *Transactions of the Geological Society of London*, **5** (2), 139–48.
- Prestwich, J. (1846) On the Tertiary or supracretaceous formations of the Isle of Wight as exhibited in the sections at Alum Bay White Cliff Bay. *Quarterly Journal of the Geological Society of London*, **2**, 223–59.
- Prestwich, J. (1850) On the structure of the strata between the London Clay and the Chalk in the London and Hampshire Tertiary systems. *Quarterly Journal of the Geological Society of London*, **6**, 252–81.
- Prestwich, J. (1852) On the structure of the strata between the London Clay and the Chalk in the London and Hampshire Tertiary systems. *Quarterly Journal of the Geological Society of London*, **8**, 235–68.
- Prestwich, J. (1854a) On the structure of the strata between the London Clay and the Chalk in the London and Hampshire Tertiary systems. *Quarterly Journal of the Geological Society of London*, **10**, 75–170.
- Prestwich, J. (1854b) On the thickness of the London Clay; on the relative position of the fossiliferous beds of Sheppey, Highgate, Newham, Bognor etc; and on the probable occurrence of the Bagshot Sands in the Isle of Sheppey. *Quarterly Journal of the Geological Society of London*, **10**, 401–19.
- Prevost, L.-C. (1825) Note sur le gisement des ossements fossiles d'ichthyosaurs et de plésiosaures dans les couches du Lias de Lyme Regis. *Bulletin de la Société philosophique de Paris*, 167–70.
- Price, F.G.H. (1875) On Gault of Folkestone. *Quarterly Journal of the Geological Society of London*, **30**, 342–66.
- Pridmore, P.A., Barwick, R.E. and Nicholl, R.S. (1997) Soft anatomy and the affinities of conodonts. *Lethaia*, **29**, 317–28.
- Priem, F. (1911) Sur des Poissons et autres fossiles du Silurien Supérieur du Portugal. *Comunicações Serviços Geológicos do Portugal*, **8**, 1–10.
- Priest, S. (1919) Excursion to Greenhithe and Stone. *Proceedings of the Geologists' Association*, **30**, 194–8.
- Purvis, K. and Wright, V.P. (1991) Calcretes related to phreatophytic vegetation from the Middle Triassic Otter Sandstone of southwest England. *Sedimentology*, **38**, 539–51.
- Quilter, H.E. (1889) The Rhaetics of Leicestershire, with notes on some remains of fossil fishes from the Rhaetic beds of Leicestershire. *Transactions of the Leicester Literary and Philosophical Society*, **1**, 14–17.
- Rage, J.C. and Ford, R.L.E. (1980) Amphibians and Squamates from the Upper Eocene of the Isle of Wight. *Tertiary Research*, **3**, 47–60.
- Ramsbottom, W.H.C., Calver, M.A., Eager, R.M.C. et al. (1978) Silesian (Upper Carboniferous). *The Geological Society, London, Special Report*, **10**, 81 pp.
- Rawson, P.F. and Wright, J.K. (1992) *The Yorkshire Coast. Geologists' Association Guide*, **34**, 84 pp.
- Rawson, P.F., Curry, D., Dilley, F.C. et al. (1978) A Correlation of Cretaceous rocks of the British Isles. *The Geological Society, London, Special Report*, **9**, 70 pp.
- Rayner, D.H. (1948) The structure of certain Jurassic holostean fishes with special reference to their neurocrania. *Philosophical Transactions of the Royal Society, London*, **B233**, 287–345.
- Rayner, D.H. (1958) The geological environment of fossil fishes. In *Studies on Fossil Vertebrates* (ed. T.S. Westoll), The Athlone Press, London, pp. 129–56.
- Rayner, D.H. (1963) The Achanarras Limestone of the Middle Old Red Sandstone, Caithness, Scotland. *Proceedings of the Yorkshire Geological Society*, **34**, 117–38.
- Read, H.H. (1923) *The Geology of the Country around Banff, Huntly and Turriff* (Sheets 89 and 96). Memoirs of the Geological Survey of Great Britain, HMSO, London, 200 pp.
- Reed, J.W. (1992) The actinopterygian *Cheirolepis* from the Devonian of Red Hill,

## References

---

- Nevada, and its implications for acanthodio-an-actinopterygian relationships. In *Fossil Fishes as Living Organisms* (ed. E. Mark-Kurik), Institute of Geology, Tallinn, Estonia, pp. 243–49.
- Reid, C. (1897) *The Geology of the Country around Bognor* (Sheet 332). Memoirs of the Geological Survey of Great Britain, HMSO, London, 12 pp.
- Reid, C. and Scrivenor, J.B. (1906) *The Geology of the Country around Newquay*. (Sheet 346), Memoirs of the Geological Survey, England and Wales, HMSO, London, 131 pp.
- Reid, C. and Strahan, A. (1889) *Geology of the Isle of Wight* 2nd edn. Memoirs of the Geological Survey of England and Wales, HMSO, London, 255 pp.
- Reid, C., Barrow, C. and Dewey, H. (1910) *The Geology of the Country around Padstow and Camelot*. (Sheets 335 and 336), Memoirs of the Geological Survey of England and Wales, HMSO, London, 120 pp.
- Reid, E.M. and Chandler, M.E.J. (1933) *The London Clay Flora*. British Museum (Natural History), London, 561 pp.
- Reif, W.-E. (1977) Tooth enameloid as a taxonomic criterion. 1. A new euselachian shark from the Rhaetic-Liassic boundary. *Neues Jahrbuch für Geologie und Paläontologie, Monatshefte*, 565–76.
- Reif, W.-E. (1978) Tooth enameloid as a taxonomic criterion; 2. Is 'Dalatias barnstonensis' Sykes 1971 (Triassic, England) a squalomorph shark? *Nenes Jahrbuch für Geologie und Paläontologie, Monatshefte*, 1, 42–58.
- Reis, O.M. (1892) Zur Osteologie und Systematik der Belomorphynchiden und Tetragonolepiden. *Geognostische Jahresscheite*, 4, 143–70.
- Rendle-Short, A. (1904) On some Rhaetic sections in the Bristol district. *Quarterly Journal of the Geological Society*, 60, 170–92.
- Reynolds, S.H. (1938) A section of Rhaetic and associated strata at Chipping Sodbury, Gloucestershire. *Geological Magazine*, 75, 97–102.
- Reynolds, S.H. (1946) The Aust Section. *Proceedings of the Cotteswold Naturalists' Field Club*, 29, 29–39.
- Rhodes, F.H.T. (1953) Some British Lower Palaeozoic conodont faunas. *Philosophical Transactions of the Royal Society, London*, B237, 261–334.
- Richardson, G.M. (1904) Notes on the Rhaetic rocks around Cherfield, Gloucestershire. *Geological Magazine*, 1, 532–6.
- Richardson, J.B. (1974) The stratigraphical utilization of some Silurian and Devonian miospore species in the northern hemisphere: an attempt at a synthesis. *International Symposium Belgian Micropal. Li Publications*, 9, 1–13.
- Richardson, J.B. and McGregor, D.C. (1986) Silurian and Devonian spore zones of the Old Red Sandstone continent and adjacent regions. *Geological Survey of Canada, Bulletin*, 364, 1–79.
- Richardson, J.B., Ford, J.H. and Parker, F. (1984) Miospores, correlation and age of some Scottish Lower Old Red Sandstone sediments for the Strathmore region (Fife and Angus). *Journal of Micropalaeontology*, 3, 109–24.
- Richardson, J.B., Rashul, S.M. and Al-Ameri, T. (1981) Acritarchs, miospores and correlation of the Ludlovian-Downtonian and Silurian-Devonian boundaries. *Revue of Palaeobotany and Palynology*, 34, 209–24.
- Richardson, L. (1902) On the sequence of the Inferior Oolite deposits at Bredon Hill, Worcestershire. *Geological Magazine*, 9, 513–14.
- Richardson, L. (1903) The Rhaetic and Lower Lias of Sedbury Cliff, near Chepstow (Monmouthshire). *Quarterly Journal of the Geological Society of London*, 59, 390–5.
- Richardson, L. (1905) The Rhaetic and contiguous deposits of Glamorganshire. *Quarterly Journal of the Geological Society of London*, 61, 385–424.
- Richardson, L. (1906) On the Rhaetic and contiguous deposits of Devon and Dorset. *Proceedings of the Geologists' Association*, 19, 401–9.
- Richardson, L. (1909) The Rhaetic section at Wigston. *Geological Magazine*, 6, 366–70.
- Richardson, L. (1911a) On the sections of Forest Marble and Great Oolite on the railway between Cirencester and Chedworth, Gloucestershire. *Proceedings of the Geologists' Association*, 22, 95–115.
- Richardson, L. (1911b) On the Rhaetic and contiguous deposits of west, mid and east Somerset. *Quarterly Journal of the Geological Society of London*, 67, 1–72.
- Richardson, L. (1929) Rhaetic. In *Handbook of the geology of Great Britain* (eds J.W. Evans and C.J. Stubblefield), Thomas Murby and Co., London, pp. 341–49.
- Richardson, L., Arkell, W.J. and Dines, H.G.

## References

- (1946) *Geology of the Country around Witney* (Sheet 236). Memoirs of the Geological Survey of the United Kingdom, HMSO, London, 150 pp.
- Riley, H. (1833) On a fossil in the British Museum, and discovered in the Lias at Lyme Regis. *Proceedings of the Geological Society of London*, **1**, 483–4.
- Ritchie, A. (1960) A new interpretation of *Jamoytius kerwoodi* White. *Nature*, **188**, 647–9.
- Ritchie, A. (1963) Palaeontological studies of Scottish fish-beds. Unpublished PhD thesis, University of Edinburgh.
- Ritchie, A. (1964) New light on the morphology of the Norwegian anaspida. *Skrifter der Norske Vidensk-Akademis (NS)*, **14**, 1–35.
- Ritchie, A. (1967) *Ateleaspis tessellata* Traquair, a non-cornuate cephalaspid from the Upper Silurian of Scotland. *Journal of the Linnean Society (Zoological)*, **London**, **47**, 69–81.
- Ritchie, A. (1968) New evidence on *Jamoytius kerwoodi* White, an important ostracoderm from the Silurian of Lanarkshire, Scotland. *Palaeontology*, **11**, 21–39.
- Ritchie, A. (1971) Ancient Animals of Antarctica. *Hemisphere*, **15**, 2–6.
- Ritchie, A. (1974) From Greenland's Icy Mountains. *Australian Natural History*, **18**, 28–35.
- Ritchie, A. (1975) *Groenlandaspis* in Antarctica, Australia and Europe. *Nature*, **254**, 569–73.
- Ritchie, A. (1980) The late Silurian anaspid genus *Rhyncholepis* from Oesel, Estonia, and Ringerike, Norway. *American Museum Novitates*, **2699**, 1–18.
- Ritchie, A. (1984) Conflicting interpretations of the Silurian agnathan *Jamoytius*. *Scottish Journal of Geology*, **20**, 249–56.
- Ritchie, A. (1985) *Ainiktozoon loganense* Scourfield, a protochordate? from the Silurian of Scotland. *Alcheringa*, **9**, 117–42.
- Ritchie, A. and Gilbert-Tomlinson, J. (1977) First Ordovician vertebrates from the southern hemisphere. *Alcheringa*, **1**, 351–68.
- Roberts, G.E. (1861) On the distribution of *Cephalaspis* and *Pteraspis* in England. *The Geologist*, **4**, 102–9.
- Roberts, G.E. (1863) On some remains of *Bothriolepis* from the Upper Devonian sandstones of Elgin. *The Geologist*, **6**, 389–90.
- Roberts, G.E. (1864) On some remains of Bothriolepis. *Report for the British Association for the Advancement of Science*, Newcastle-upon-Tyne, 1863, 87.
- Roberts, G.H. (1867) On bone-beds, their occurrence, sedimentary deposits and possible origin. *Proceedings of the Geological Society of London*, **1**, 25–64.
- Robertson, G.N. (1953) Some attempts at a phylogeny of early vertebrates. *Proceedings of the Iowa Academy of Science*, **60**, 725–37.
- Robertson, G. (1989) A palaeoenvironmental interpretation of the Silurian rocks on the Pentland Hills near Edinburgh. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **80**, 127–41.
- Robertson, J.D. (1957) The habitat of the early vertebrates. *Biological Reviews, Cambridge*, **32**, 256–87.
- Robinson, P.L. (1957) The Mesozoic fissures of the Bristol Channel area and their vertebrate faunas. *Zoological Journal of the Linnean Society*, **43**, 282–93.
- Robinson, P.L. (1962) Gliding lizards from the Upper Keuper of Great Britain. *Proceedings of the Geological Society of London*, **1601**, 137–46.
- Rogers, D.A. (1990) Probable tetrapod tracks rediscovered in the Devonian of North Scotland. *Journal of the Geological Society of London*, **147**, 746–8.
- Rogers, D.A. and Astin, T.R. (1991) In *Lacustrine Facies Analysis* (eds P. Anadon, L.L. Cabrera and K. Kelts), *International Association of Sedimentologists, Special Publication*, **13**, 64–82.
- Rogers, I. (1919) Fossil fishes in the Devonian of north Devon. *Geological Magazine*, **6**, 100–1.
- Rogers, I. (1926) On the discovery of fossil fishes and plants in the Devonian rocks of north Devon. *Report of the Transactions of the Devonshire Association for the Advancement of Science*, **58**, 223–4.
- Rolfe, W.D.I. (1960) The Silurian inlier of Carmichael, Lanarkshire. *Transactions of the Royal Society, Edinburgh*, **64**, 245–60.
- Rolfe, W.D.I. (1961) The geology of the Hagshaw Hills Silurian inlier, Lanarkshire. *Transactions of the Edinburgh Geological Society*, **18**, 240–69.
- Rolfe, W.D.I. (1973a) Excursion 14: The Hagshaw Hills Silurian inlier. In *Excursion Guide to the Geology of the Glasgow District* (ed. B.J. Bluck), Geological Society of Glasgow, pp. 105–19.
- Rolfe, W.D.I. (1973b) Excursion 15: Silurian

## References

---

- arthropod and fish assemblages from Lesmahagow, Lanarkshire. In *Excursion Guide to the Geology of the Glasgow District* (ed. B.J. Bluck), Geological Society of Glasgow, pp. 119–26.
- Rolfe, W.D.I. (1988) Early life on land; the East Kirkton discoveries. *Earth Science Conservation*, **25**, 22–8.
- Rolfe, W.D.I., Durant, G.P., Baird, W.J. et al. (1994) The East Kirkton Limestone, Viséan, West Lothian, Scotland: an introduction and stratigraphy. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **84**, 177–88.
- Rolfe, W.D.I., Durant, G.P., Fallick, A.E. et al. (1990) An early terrestrial biota preserved by Viséan vulcanicity in Scotland. *Geological Society of America Special Paper*, **244**, 13–24.
- Romer, A.S. (1956) *Osteology of the Reptiles*. University of Chicago Press, Chicago, 772 pp.
- Romer, A.S. (1966) *Vertebrate Palaeontology*, 3rd edn, University of Chicago, Chicago, 468 pp.
- Romer, A.S. and Grove, B.S. (1935) Environment of the early vertebrates. *American Midland Naturalist*, **16**, 805–62.
- Rosen, D.E. (1973) Interrelationships of higher euteleostean fishes. In *Interrelationships of Fishes* (eds P.H. Greenwood, R.S. Miles and C. Patterson), *Zoological Journal of the Linnean Society*, **53**, Supplement 1, 397–513.
- Rosen, D.E. and Patterson, C. (1969) The structure and relationships of the plesacanthopterygian fishes. *Bulletin of the American Museum of Natural History*, **141**, 357–74.
- Rundle, A.J. (1970) Report of field meeting to Herne Bay, Kent. *Tertiary Times*, **1**, 7–9.
- Russell, D. and Russell, D. (1977) Decouverte de vertébrés fossiles dans le Trias de l'Algarve (Portugal). *Comptes Rendus de la Société géologique de France*, **6**, 339–41.
- Russell-Hunter, W.D. (1969) *A Biology of Higher Vertebrates*. MacMillan, London, 224 pp.
- Salfeld, H. (1914) Die Gliederung des oberen Jura in Nordwesteuropa. *Neues Jahrbuch für Geologie und Paläontologie, Abteilungen*, **37**, 125–46.
- Salter, J.M. (1859) On the occurrence of fish (*Pteraspis*) in the lower Ludlow rock. *Annals and Magazine of Natural History*, **4**, (3), 44–8.
- Salter, J.W. (1851) On the remains of fish in the Silurian rocks of Great Britain. *Quarterly Journal of the Geological Society of London*, **7**, 263–8.
- Sanders, W. (1863) Discovery of *Holoptychius* at Portishead. *Bristol Daily Post*, February 9, p. 3.
- Sansom, I.J., Smith, M.M. and Smith, M.P. (1996) Scales of thelodont and shark-like fishes from Colorado. *Nature*, **379**, 628–30.
- Savage, R.J.G. (1963) Current problems in vertebrate palaeontology. *Nature*, **199**, 107–8.
- Savage, R.J.G. (1977) The Mesozoic strata of the Mendip Hills. In *Geological Excursions in the Bristol District* (ed. R.J.G. Savage), University of Bristol, Bristol, pp. 85–100.
- Savage, R.J.G. (1984) Mid Jurassic mammals from Scotland. In *Third Symposium on Mesozoic Terrestrial Ecosystems. Short Papers* (eds W.E. Reif and F. Wesfäl), pp. 211–13.
- Savage, R.J.G. (1993) Vertebrate fissure faunas with special reference in Bristol Channel Mesozoic faunas. *Journal of the Geological Society, London*, **150**, 1025–34.
- Savage, R.J.G. and Large, N.F. (1966) On *Birgeria acuminata* and the absence of labyrinthodonts from the Rhaetic. *Palaeontology*, **9**, 135–41.
- Saxon, J. (1967) *The Fossil Fishes of Caithness*. Caithness Notebook, No. 6. Privately published.
- Saxon, J. (1972) Fossils. In *The Caithness Book* (ed. D. Omand), Highland Printers Ltd., Inverness, pp. 21–5.
- Saxon, J. (1975) *The fossil fishes of the North of Scotland*, 2nd edn, Caithness Books, Thurso.
- Saxon, J. (1978) The radioactive fishes of the north of Scotland. *Earth Science*, **32**, 7–9.
- Säve-Söderberg, G. (1932) Preliminary note on Devonian stegocephalians from East Greenland. *Meddelelser om Grönland*, **94**, 1–107.
- Schaeffer, B. (1971) The braincase of the holostean fish *Macropistius*, with comments on neurocranial ossification in the Actinopterygii. *American Museum Novitates*, **2459**, 1–34.
- Schaeffer, B. (1973) Interrelationships of chondrostean. In *Interrelationships of Fishes* (eds P.H. Greenwood, R.S. Miles, and C. Patterson), *Zoological Journal of the Linnean Society*, (Supplement 1), 207–26.
- Schaeffer, B. and Patterson, C. (1984) Jurassic fishes from the Western United States with comments on Jurassic fish distribution.

## References

---

- American Museum Novitates*, **2796**, 86 pp.
- Schaeffer, B. and Williams, M. (1977) Relationships of fossil and living elasmobranchs. *American Zoology*, **17**, 293–302.
- Schaumberg, G. (1977) Die Richelsdorfer Kupferschiefer und seine Fossilien, III. Die tierischen Fossilien des Kupferschiefers, 2. *Vertebraten Aufschluss*, **28**, 297–352.
- Schaumberg, G. (1978) Neuebeschreibung von *Coelacanthus granulus* Agassiz (Actinistia, Pisces) aus dem Kupferschiefer von Richelsdorf (Perm, W-Deutschland). *Paläontologische Zeitschrift*, **52**, 169–267.
- Schlotheim, E.F. (1820) *Die Petrefacten kunde auf ihrem jetzigen Standpunkt*. Gotha, 437 pp.
- Schram, F. (1981) Lower Carboniferous biota of Glencarholm, Eskdale, Dumfriesshire. *Scottish Journal of Geology*, **19**, 1–15.
- Schram, F. (1983) Lower Carboniferous biota of Glencarholm, Eskdale, Dumfriesshire. *Scottish Journal of Geology*, **19**, 1–15.
- Schultze, H.-P. (1990) A new acanthodian from the Pennsylvanian of Utah, USA, and the distribution of otoliths in gnathostomes. *Journal of Vertebrate Palaeontology*, **10**, 49–58.
- Schultze, H.-P. (1993) Osteichthyes: Sarcopterygii. In *The Fossil Record 2* (ed. M.J. Benton), Chapman and Hall, London, pp. 657–63.
- Schultze, H.-P. and Arsenault, M. (1985) The panderichthyid fish *Elpistostege*: a close relative of tetrapods? *Palaeontology*, **28**, 293–309.
- Schweizer, R. (1961) Über die Zahne von *Heterodontus semirugosus* (Plieninger) aus dem Brenztaloolith von Schnaitheim und dem Diceraskalk von Kelheim (Malm). *Neues Jahrbuch für Geologie und Paläontologie. Abteilungen*, **113**, 95–109.
- Schweizer, R. (1964) Die Elasmobranchier und Holocephalen aus den Nusplinger Plattenkalk. *Palaeontographica, Abteilung A*, **123**, 58–110.
- Scourfield, D.J. (1937) An anomalous fossil organism, possibly a new type of chordate, from the Upper Silurian of Lesmahagow, Lanarkshire – *Ainiktozoon loganense* gen. et sp. nov. *Proceedings of the Royal Society, London*, **B121**, 533–47.
- Scrutton, C.T. (ed) (1978) *A Field Guide to Selected Areas of the Devonian of South West England*. International Symposium on the Devonian System, September 1978 (PADS78), Palaeontological Association, 73 pp.
- Sedgwick, A. (1829) On the geological relations and internal structure of the Magnesian Limestone and the lower portions of the New Red Sandstone in their range through Nottinghamshire, Derbyshire, Yorkshire and Durham to the southern extremity of Northumberland. *Transactions of the Geological Society, London*, **3**, (2), 37–124.
- Sedgwick, A. and Murchison, R.I. (1829) On the structure and relations of the deposits contained between the Primary Rocks and the Oolitic Series in the north of Scotland. *Transactions of the Geological Society, London*, **3**, (2), 125–60.
- Seeley, H.G. (1876) On the posterior portion of a lower jaw of *Labyrinthodon* (*L. lavis*) from the Trias of Sidmouth. *Quarterly Journal of the Geological Society, London*, **32**, 278–84.
- Selwood, E.B., Edwards, R.A., Simpson, S. et al. (1984) *Geology of the Country around Newton Abbott* (Sheet 339). Memoirs of the British Geological Survey, HMSO, London, 212 pp.
- Sellwood, B.W. and Jenkyns, H.C. (1975) Basins and swells and the evolution of an epeiric sea (Pliensbachian–Bajocian) of Great Britain. *Journal of the Geological Society, London*, **131**, 373–88.
- Sellwood, B.W. and McKerrow, W.S. (1974) Depositional environments in the lower part of the Great Oolite Group of Oxfordshire and north Gloucestershire. *Proceedings of the Geologists' Association*, **85**, 198–210.
- Sheperd, C.E. (1916) Fossil otoliths. *Knowledge*, **39**, 177–84.
- Shephard-Thorn, R. (1988) *Geology of the country around Ramsgate and Dover* (Sheets 274 and 290). Memoirs of the Geological Survey of the United Kingdom, HMSO, London, 39 pp.
- Shirley, J. (1958) The Carboniferous Limestone of the Monyash–Wirksworth area. *Quarterly Journal of the Geological Society, London*, **114**, 411–30.
- Short, A.R. (1904) On some Rhaetic sections in the Bristol district, with considerations on the mode of deposition of the Rhaetic series. *Quarterly Journal of the Geological Society of London*, **60**, 170–93.
- Shubin, N.H. and Jenkins, F.A. (1995) An early Jurassic jumping frog. *Nature*, **377**, 49–52.
- Sieveking, S. and Hart, M.B. (eds) (1986) *The scientific study of flint and chert. Fourth International Flint Symposium, Brighton*

## References

---

- Polytechnic, 1983. Cambridge University Press, 290pp.
- Simms, M.J. (1990) Triassic palaeokarst in Britain. *Cave Science*, **17**, 93–101.
- Simpson, G.G. (1926) New reconstruction of *Lasanius*. *Bulletin of the Geological Society of America*, **37**, 397–402.
- Simpson, G.G. (1928) *A Catalogue of the Mesozoic Mammalia in the Geological Department of the British Museum*. British Museum (Natural History), London.
- Simpson, M. (1855) *The Fossils of the Yorkshire Lias; Described from Nature*. London and Whitby, 149 pp.
- Simpson, M.I. (1985) The stratigraphy of the Atherfield Clay Formation (Lower Aptian, Lower Cretaceous) at the type and other localities in southern England. *Proceedings of the Geologists' Association*, **96**, 23–45.
- Siveter, D. (1989) 30. Ostracodes. In *A Global Standard for the Silurian System* (eds C.H. Holland and M.G. Bassett), *National Museum of Wales, Geological Series*, **9**, Cardiff, pp. 252–64.
- Siveter, D. and Turner, S. (1982) A new Silurian microvertebrate assemblage from the Tortworth inlier, Avon, England. *Alcheringa*, **6**, 34–41.
- Siveter, D.J., Owens, R.M. and Thomas, A.J. (1989) *Silurian Field Excursions. A Geotraverse across Wales and the Welsh Borderland*. *National Museum Wales Geological Series*, **10**, Cardiff, 133 pp.
- Smart, J.G.O., Bisson, G. and Worssam, B.C. (1966) *Geology of the Country around Canterbury and Folkestone* (Sheets 289, 303, 306). Memoirs of the Geological Survey of the United Kingdom, HMSO, London, 337 pp.
- Smart, P.J. (1995) Hexanchid shark teeth (Chondrichthyes, Vertebrata) from the Lower Cretaceous Albian sediments of Leighton Buzzard, South-central England. *Proceedings of the Geologists' Association*, **106**, 241–6.
- Smiles, S. (1878) *Robert Dick, Baker, of Thurso, Geologist and Botanist*. London, 438 pp.
- Smith, A.J. (1992) The offshore geology of England and Wales, In *Geology of England and Wales*, (eds P.McL.D. Duff and A.J. Smith) The Geological Society, London, 445–86 pp.
- Smith, D.B. (1979) Rapid marine transgressions of the Upper Permian Zechstein Sea. *Journal of the Geological Society of London*, **136**, 155–6.
- Smith, D.B. (1980) The evolution of the English Zechstein basin. In *The Zechstein Basin with Emphasis on Carbonate Sequences* (eds H. Fuchtbauer and T.M. Peryt), *Contributions in Sedimentology*, **9**, 7–33.
- Smith, D.B. (1989) The Late Permian palaeogeography of north-east England. *Proceedings of the Yorkshire Geological Society*, **47**, 285–312.
- Smith, D.B. (1992) Permian. In *Geology of England and Wales* (eds P.McL.D. Duff and A.J. Smith), The Geological Society, London, pp. 275–306.
- Smith, D.B. and Taylor, J.C.M. (1992) Permian. In *Atlas of Palaeogeography and Lithofacies* (eds J.C.W. Cope, K.J. Ingham, and P.F. Rawson), The Geological Society, London, 87–96.
- Smith, D.B. Brunstrom, R.G.W., Manning, P.I., Simpson, S. and Shotton, F.W. (1974) *A Correlation of Permian Rocks in the British Isles. The Geological Society of London, Special Report No. 5*, 45 pp.
- Smith, H.W. (1953) *From Fish to Philosophers*. Little, Brown, Co., Boston, 264pp.
- Smith, I.C. (1957) New restorations of the heads of *Pharyngolepis oblongus* Kiaer and *Pharyngolepis kiaeri* sp. nov., with a note on their lateral-line systems. *Norsk geologisk Tidsskrift*, **37**, 373–402.
- Smith, J. (1851) Remarks on the fossil Fish of the Old Red Sandstones of Gamrie. *Zoologist*, **9**, 2993–5.
- Smith, M.M., Sansom, I.J. and Smith, P. (1995) Diversity of the dermal skeleton in Ordovician to Silurian vertebrate taxa from North America: histology, skeletogenesis and relationships. *Geobios, Mémoire Spécial*, **19**, 65–70.
- Smith, M.P. and Sansom, I.J. (1995) The affinity of *Anatolepis Boeckelie* and *Fortey*. *Geobios, Mémoire Spécial*, **19**, 61–3.
- Smith, R.D.A. and Ainsworth, R.B. (1989) Hummocky cross-stratification in the Downton of the Welsh Borderland. *Journal of the Geological Society, London*, **146**, 897–900.
- Smith, S.A. (1990) The sedimentology and accretionary styles of ancient gravel-bed streams: Budleigh Salterton Pebble Beds (Lower Triassic), southwest England. *Sedimentary Geology*, **67**, 199–219.
- Smith, S.A. and Edwards, R.A. (1991) Regional sedimentological variations in Lower Triassic

## References

- fluvial conglomerates (Budleigh Salterton Pebble Beds), southwest England: some implications for palaeogeography and basin evolution. *Geological Journal*, **26**, 65–83.
- Smith, S.J. (1851) Remarks on the fossil fishes of the Old Red Sandstone of Gamrie. *Zoologist*, **9**, 2993–5.
- Smithson, T.R. (1985) Scottish Carboniferous amphibian localities. *Scottish Journal of Geology*, **21**, 123–42.
- Smithson, T.R. (1989) The earliest known reptile. *Nature*, **342**, 676–8.
- Smithson, T.R. (1994) *Eldeceeon rolfi*, a new reptilomorph from the Viséan of East Kirkton, West Lothian, Scotland. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **84**, 377–82.
- Smithson, T.R., Carroll, R.L., Panchen, A.L. and Anderson, S.M. (1994) *Westlothiana lizziae* from the Viséan of East Kirkton, West Lothian, Scotland. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **84**, 387–412.
- Squirrell, H.C. (1958) New occurrences of fish remains in the Silurian of the Welsh Borderland. *Geological Magazine*, **95**, 328–32.
- Spath, L.F. (1923–1943) *A Monograph of the Ammonoidea of the Gault*. Palaeontographical Society (Monograph), parts 1–16, 78 pp.
- Spencer, P.S. and Isaac, K.P. (1983) Triassic vertebrates from the Otter Sandstone Formation of Devon, England. *Proceedings of the Geologists' Association*, **94**, 267–9.
- St John, D.H. and Worthen, A.H. (1875) Descriptions of fossil fishes. *Geological Survey of Illinois, Paleontological Series*, **6**, 254–88.
- Stamp, L.D. (1923) The base of the Devonian, with special reference to the Welsh Borderland. *Geological Magazine*, **60**, 276–82, 331–6, 367–72, 385–410.
- Stamp, L.D. and Priest, S. (1920) The geology of the Swanscombe Eocene outlier, Kent, and a report of excursion. *Proceedings of the Geologists' Association*, **31**, 187–99.
- Steel, R. (1973) Crocodylia. *Handbuch der Paläoberpetologie*, **16**, 116 pp.
- Steel, R. (1991) *Sharks of the World*. Blandford Press, 192pp.
- Stensiö, E.A. (1919) Einige Bemerkungen über die systematische Stellung von *Saurichthys mougeoti* Agassiz. *Senckenbergiana*, **1**, 177–81.
- Stensiö, E.A. (1921) *Triassic Fishes from Spitzbergen. Pt. I.*, Vienna, 307 pp.
- Stensiö, E.A. (1925) Triassic fishes from Spitzbergen. Pt. II. *Svenska Vetensk Akademi Handlingar*, **(5)**, **11**, 167–261.
- Stensiö, E.A. (1927) The Downtonian and Devonian vertebrates of Spitsbergen. Pt. I, Family Cephalaspidae. *Skrifter om Svalbard og Nordishavet*, **12**, 1–391.
- Stensiö, E.A. (1931) Upper Devonian vertebrates from East Greenland, collected by the Danish Greenland in 1929 and 1930. *Meddelelser om Grönland*, **86**, 1–212.
- Stensiö, E.A. (1932) *The Cephalaspids of Great Britain*. British Museum (Natural History), London, 220 pp.
- Stensiö, E.A. (1934) On the Placodermi of the Upper Devonian of East Greenland. I, Phyllolepida and Arthrodires. *Meddelelser om Grönland*, **97**, 1–58.
- Stensiö, E.A. (1939a) On the Placodermi of the Upper Devonian of East Greenland. Supplement II to part I. *Meddelelser om Grönland*, **97**, 1–33.
- Stensiö, E.A. (1939b) A new Anaspid from the Upper Devonian of Scaumenac Bay in Canada, with remarks on the other Anaspids. *Kungliga Svenska Vetensk Akademi Handlingar*, **18**, 1–25.
- Stensiö, E.A. (1948) On the Placodermi of the Upper Devonian of East Greenland. 2 Antiarchi; subfamily Bothriolepidinae. With an attempt at a revision of the previous described species of that family. *Palaeozoologia Groenlandica*, **2**, 1–622.
- Stensiö, E.A. (1958) Agnathes et poissons. In *Traité de Zoologie* (ed. P. Grassé), Masson, Paris, pp. 173–425.
- Stensiö, E.A. (1959) On the pectoral fins and shoulder girdle of the Arthrodires. *Kungliga Svenska Vetensk Akademi Handlingar*, **8**, 1–229.
- Stensiö, E.A. (1963) Anatomical studies on the anthrodiran head, I. *Kungliga Svenska Vetensk Akademi Handlingar*, **9**, 1–419.
- Stensiö, E.A. (1964) Les Cyclostomes fossiles ou Ostracoderms. In *Traité de Paléontologie* (ed. J. Piveteau), Masson, Paris, **4**, pp. 96–383.
- Stensiö, E.A. (1968) The Cyclostomes, with special reference to the diphytic origin of the Petromyzontidae and Myxinoidea. In *Current Problems in Lower Vertebrate Phylogeny* (ed. T. Ørvig), Nobel Symposium 4, Stockholm, pp. 13–71.

## References

---

- Stetson, H.C. (1927) *Lasanius* and the problem of vertebrate origin. *Journal of Geology*, **35**, 247–63.
- Stetson, H.C. (1928) A new American *Thelodus*. *American Journal of Science*, **16**, 221–31.
- Stetson, H.C. (1931) Studies on the morphology of the Heterostraci. *Journal of Geology*, **39**, 141–54.
- Stewart, D.J. (1978) The sedimentology of the Wealden Group of the Isle of Wight. Unpublished PhD thesis, University of Reading.
- Stewart, D.J. (1981a) A meander-belt sandstone of the Lower Cretaceous of southern England. *Sedimentology*, **28**, 1–20.
- Stewart, D.J. (1981b) A field guide to the Wealden Group of the Hastings area and the Isle of Wight (3.1.–3.31.) In *Field Guide to Modern and Ancient Fluvial Systems in Britain and Spain* (ed. T. Elliot), University of Keele, Keele.
- Stewart, D.J. (1983) Possible suspended-load channel deposits from the Wealden Group (Lower Cretaceous) of Southern England. *Special Publications of the International Association of Sedimentologists*, **6**, 369–84.
- Stewart, D.J., Ruffell, A., Wach, G. and Goldring, R. (1991) Lagoonal sedimentation and fluctuation salinities in the Vectis Formation (Wealden Group, Lower Cretaceous) of the Isle of Wight, south England. *Sedimentology Geology*, **72**, 117–34.
- Stinton, F.C. (1957) Fish otoliths from the London Clay at Bognor Regis, Sussex. *Proceedings of the Geologists' Association*, **67**, 15–31.
- Stinton, F.C. (1965a) Field meeting in the lower London Tertiaries of Kent. *Proceedings of the Geologists' Association*, **95**, 175–7.
- Stinton, F.C. (1965b) British Quaternary fish otoliths. *Proceedings of the Geologists' Association*, **96**, 199–215.
- Stinton, F.C. (1965c) Teleost otoliths from the Lower London Tertiaries. *Senckenbergiana lethaea*, **46a**, 389–425.
- Stinton, F.C. (1966) Otoliths des poissons du London Clay. In *Faune ichthyologique du London Clay*. (ed. E. Casier) British Museum (Natural History), London, 2 vols, 496 pp.
- Stinton, F.C. (1971) *Fish otoliths from the English Eocene. Part 1*. Palaeontological Society (Monographs) **129**, 56 pp.
- Stinton, F.C. (1973) Fish otoliths from the English Cretaceous. *Palaeontology*, **16**, 293–305.
- Stinton, F.C. (1975–1980) *Fish otoliths from the English Eocene*. Parts 1–5. Palaeontographical Society (Monographs), 320 pp.
- Stock, T. (1881) On the discovery of a nearly entire *Rhizodus* in the Wardie Shales. *Geological Magazine*, **8**(2), 77–8.
- Stock, T. (1883) On the discovery of a nearly entire *Rhizodus* in the Wardie Shales. *Transactions of the Edinburgh Geological Society*, **4**, 38–9.
- Storrs, G.W. (1993) Terrestrial components of the Rhaetian (Uppermost Triassic) Westbury Formation of southwestern Britain. In *The Nonmarine Triassic* (eds S.G. Lucas and M. Morales), *New Mexico Museum of Natural History and Science Bulletin*, **1**, 447–51.
- Storrs, G.W. (1994) Fossil vertebrate faunas of the British Rhaetian (Latest Triassic). *Zoological Journal of the Linnean Society*, **112**, 217–60.
- Storrs, G.W. and Gower, D.J. (1993) The earliest possible choristodere (Diaspida) and gaps in the fossil record of semi-aquatic reptiles. *Journal of the Geological Society, London*, **150**, 1103–7.
- Stössel, I. (1995) The discovery of a new Devonian tetrapod trackway in SW Ireland. *Journal of the Geological Society, London*, **152**, 407–13.
- Strahan, A. (1896) On a Phosphatic Chalk with *Holaster planus* at Lewes. *Quarterly Journal of the Geological Society of London*, **52**, 463–70.
- Strahan, A. (1898) *The Geology of the Isle of Purbeck and Weymouth* (Sheets 341–343). Memoirs of the Geological Survey of the United Kingdom, HMSO, London, 196 pp.
- Straw, S.H. (1926) Fish remains from the Upper Ludlow rocks of Ludlow district. *Memoirs and Proceedings of the Manchester Literary and Philosophical Society*, **71**, 87–91.
- Straw, S.H. (1927) Fish remains from the Upper Ludlow rocks of Ludlow. *North West Naturalist*, **II**, 209.
- Strickland, H.E. (1841) Specimens from the bone-bed near Bristol, Watchet, etc. *Proceedings of the Ashmolean Society*, Oxford, **1**, 15.
- Stubblefield, C.J. and Trotter, F.M. (1957) Divisions of the Coal Measures on Geological Survey Maps of England and Wales. *Bulletin of the Geological Survey of Great Britain*,

## References

- HMSO, London, **13**, 1–5.
- Sweeting, G.S. (1925) The geology of the country around Crowhurst, Sussex. *Proceedings of the Geologists' Association*, **36**, 406–18.
- Swinnerton, H.H. (1925) A new catopterid fish from the Keuper of Nottingham. *Quarterly Journal of the Geological Society of London*, **81**, 87–99.
- Swinnerton, H.H. (1928) On a new species of Semionotus from the Keuper of Nottingham. *Geological Magazine*, **65**, 406–9.
- Swinton, W.E. (1970) *The Dinosaurs*, 2nd edn, George Allen and Unwin, London, 331 pp.
- Sykes, J.H. (1971) A new dalatiid fish from the Rhaetic Bone Bed at Barnstone, Nottinghamshire. *Mercian Geologist*, **4**, 13–22.
- Sykes, J.H. (1974) Teeth of *Dalatias barnstonaensis* in the British Rhaetic. *Mercian Geologist*, **5**, 39–48.
- Sykes, J.H. (1977) British Rhaetic bone-beds. *Mercian Geologist*, **6**, 197–239.
- Sykes, J.H. (1979) *Lepidotus* sp. Rhaetian fish teeth from Barnstone, Nottinghamshire. *Mercian Geologist*, **7**, 85–91.
- Sykes, J.H., Cargill, J.S. and Kent, P.E. (1970) The stratigraphy and palaeontology of the Rhaetic Beds (Rhaetian: Upper Triassic) of Barnstone, Nottinghamshire. *Mercian Geologist*, **3**, 235–46.
- Symes, R.G. and Traquair, R.H. (1898) In *Summary of Progress*. The Geological Survey, HMSO, London, 1897, p.82.
- Symonds, W.S. (1859a) The Old Red Sandstone of Herefordshire. *Edinburgh New Philosophical Journal, New Series*, **9**, 232–45.
- Symonds, W.S. (1859b) *Pteraspis* in Lower Ludlow rocks. *Edinburgh New Philosophical Journal, New Series*, **10**, 161.
- Symonds, W.S. (1860) On the passage beds from the Upper Silurian rocks into the Lower Old Red Sandstone at Ledbury, Herefordshire. *Quarterly Journal of the Geological Society, London*, **16**, 193–7.
- Symonds, W.S. (1861) On the geology of the railway from Worcester to Hereford. *Edinburgh New Philosophical Journal, New Series*, **13**, 204–32.
- Symonds, W.S. (1872) *Records of the rocks; or, notes on the geology, natural history, and antiquities of north and south Wales, Devon, and Cornwall*, John Murray, London, 433 pp.
- Tait, D. (1925) The rocks between Leith and Cranton, with historical notes on the working of the Wordie Coal. *Transactions of the Edinburgh Geological Society*, **11**, 346–51.
- Talimaa, V.K. (1995) Vertebrate complexes in the heterofacial Lower Devonian deposits of Timan-Pechova Province. *Ichthyolith Issues, Special Publication No. 1*, 39–42.
- Tarlo, L.B. (1961a) Psammosteids from the Middle and Upper Devonian of Scotland. *Quarterly Journal of the Geological Society of London*, **97**, 193–213.
- Tarlo, L.B. (1961b) *Rhinopteraspis cornubica* (McCoy) with notes on the classification and evolution of the Pteraspids. *Acta Palaeontologica Polonica*, **6**, 367–402.
- Tarlo, L.B. (1962) Ancient animals of the upland. *New Scientist*, **15** (294), 32–4.
- Tarlo, L.B.H. (1967) Major faunal provinces in the Old Red Sandstone of the northern hemisphere. *International Symposium on the Devonian System*, Calgary, **2**, 1231–8.
- Tarlo, L.B.H. and Gurr, P.R. (1964) The Lower Old Red Sandstone of the Lorne cuvette (abstract). *Advancement of Science, London*, **20** (87), 446.
- Tarrant, P.R. (1991) The ostracoderm *Phialaspis* from the Lower Devonian of the Welsh Borderland and South Wales. *Palaeontology*, **34**, 399–438.
- Tate, R. and Blake, J.F. (1876) *The Yorkshire Lias*, van Voorst, London, 475 pp.
- Taverne, N. (1977) Ostéologie et position systématique du genre *Thrissops* Agassiz (Jurassique supérieur de l'Europe occidentale au sein des Téléostéans primitifs). *Geobios*, **10**, 5–44.
- Tawney, E.B. and Keeping, H. (1883) On the section at Horwell Cliffs, from the top of the Lower Headon to the base of the Upper Bagshot Sands. *Quarterly Journal of the Geological Society of London*, **39**, 566–74.
- Taylor, J.H. (1963) Sedimentary features of an ancient deltaic complex: the Wealden rocks of south-eastern England. *Sedimentology*, **2**, 2–28.
- Taylor, W.T. (1910) Fossils in the Moray Firth area. *Transactions of the Inverness Scientific Society*, **6**, 4–8 (for 1899–1906).
- Taylor, M.A., Benton, M.J., Clark, N.D.L., Evans, S.E. and Waldman, M. (1995) Fossil reptiles from the Isle of Skye, Scotland. *Journal of Vertebrate Paleontology*, **15**, 55A (Abstracts).
- Terquem, O. (1855) Paléontologie de l'étage inférieur de la formation Liasique de la province de Luxembourg, Grand-duché

## References

---

- (Hollande), et de Hettange, du département de la Moselle. *Mémoire de la Société géologique de France*, **5**, 219–343.
- Thies, D. (1983) Jurazeitliche Neoselachia aus Deutschland und S-England. *Courier Forschungsinstitut Senckenberg*, **58**, 1–116.
- Thies, D. (1985) Funde von *Acidorbynchus brevirostris* (Woodward 1895) aus dem Posidonienschifer (Unter-Toarcian) NW-Deutschlands. *Palaeontographica, Abteilung A*, **187**, 183–203.
- Thies, D. and Reif, W.-E. (1985) Phylogeny and evolutionary ecology of Mesozoic Neoselachii. *Neues Jahrbuch für Geologie und Paläontologie, Abteilungen*, **169**, 333–61.
- Thirlwall, M.F. (1983) Isotope geochemistry and origin of calcalkaline lavas from a Caledonian continental margin volcanic arc. *Journal of Vulcanology and Geothermal research*, **18**, 589–631.
- Thompson, D.B. (1969) Dome-shaped aeolian dunes in the Frodsham Member of the so-called ‘Keuper’ Sandstone Formation (Scythian–?Anisian: Triassic) at Frodsham, Cheshire (England). *Sedimentary Geology*, **3**, 268–89.
- Thompson, D.B. (1970a) The stratigraphy of the so-called Keuper Sandstone Formation (Scythian–?Anisian) in the Permo-Triassic Cheshire Basin. *Quarterly Journal of the Geological Society of London*, **126**, 151–81.
- Thompson, D.B. (1970b) Sedimentology of the Triassic (Scythian) Red Pebby Sandstones in the Cheshire Basin and its margins. *Geological Journal*, **7**, 183–216.
- Thomson, K. (1964) Revised generic diagnoses of the fossil fish *Megalichthyes* and *Ectosteorhachis* (Family Osteolepididae). *Bulletin of the Museum of Comparative Zoology, Harvard*, **131**, 285–311.
- Thomson, K.S. (1977) On the individual history of cosmine and a possible electroreceptive function of the pore-canal system in fossil fishes. *Linnean Society Symposium Series*, **4**, 247–70.
- Thomson, K.S. (1993) The origin of tetrapods. *American Journal of Science*, **293-A**, 33–62.
- Thurmond, J.T. (1971) Cartilaginous fishes of the Trinity Group and related rocks (lower Cretaceous), North-Central Texas. *Southeastern Geology*, **13**, 207–27.
- Tickell, C. (1996) *Mary Anning of Lyme Regis*. Lyme Regis Philpott Museum, Dorset, 31 pp.
- Topley, W. (1875) *Geology of the Weald*. Memoirs of the Geological Survey of England and Wales, HMSO, London, 503 pp.
- Torrens, H.S. (1968) The Great Oolite Series. In *The Geology of the East Midlands* (eds P.C. Sylvester-Bradley and T.D. Ford), University Press, Leicester, pp. 227–63.
- Torrens, H.S. (ed.) (1969a) *International Field Symposium on the British Jurassic*, University of Keele, Keele.
- Torrens, H.S. (1969b) The stratigraphical distribution of Bathonian ammonites in Central England. *Geological Magazine*, **106**, 63–76.
- Torrens, H.S. (1974) Standard Zones of the Bathonian. *Mémoires du Bureau de Recherche géologique et minière*, **75**, 581–604.
- Torrens, H.S. (1980) Bathonian correlation chart. In *A Correlation of Jurassic Rocks in the British Isles*, Part One (eds J.C.W. Cope, T.A. Getty, M.K. Howarth, N. Morton and H.S. Torrens). *Special Report of the Geological Society, London*, **14(2)**, 21–44.
- Townsend, H.A. and Hailwood, E.A. (1985) Magnetostratigraphic correlation of Palaeogene sediments in the Hampshire and London Basins, southern UK. *Journal of the Geological Society, London*, **128**, 519–59.
- Townson, W.G. (1975) Lithostratigraphy and deposition of the type Portlandian. *Journal of the Geological Society, London*, **131**, 619–38.
- Traill, T.S. (1834) Observations on the fossil fishes lately found in Orkney. *Proceedings of the Royal Society of Edinburgh*, **1**, 37–8.
- Traill, T.S. (1841) Notice of the fossil fishes found in the Old Red Sandstone formation of Orkney, particularly a undescribed species, *Dipterus agassisi* (sic). *Transactions of the Royal Society of Edinburgh*, **15**, 89–92.
- Traquair, R.H. (1867) Description of *Pygopterus greenocki* (Agassiz), with some notes on the structural relations of the genera *Pygopterus*, *Amblypterus*, and *Eurynotus*. *Transactions of the Royal Society of Edinburgh*, **24**, 701–13.
- Traquair, R.H. (1871) Notes on the genus *Phaneropleuron* (Huxley), with a description of a new species from the Carboniferous formation. *Geological Magazine*, **8**, 529–35.
- Traquair, R.H. (1875) On some fossil fish from the neighbourhood of Edinburgh. *Annals and Magazine of Natural History*, **15**, 237–48.
- Traquair, R.H. (1877) On new and little-known

## References

---

- fossil fishes from the Edinburgh district. *Proceedings of the Royal Society of Edinburgh*, 9, 262–72, 275–82, 427–44.
- Traquair, R.H. (1877–1914) *The ganoid fishes of the British Carboniferous formations*. Palaeontographical Society (Monograph), 186 pp.
- Traquair, R.H. (1880) Report on a collection of fossil fish remains from Nairnside, made by Messrs Thomas D. Wallace and Alexander Ross of Inverness. *Transactions of the Edinburgh Geological Society*, 30, 15–71.
- Traquair, R.H. (1881) Report on fossil fishes collected by the Geological Survey of Scotland in Eskdale and Liddesdale. Part 1, Ganoidei. *Transactions of the Royal Society of Edinburgh*, 30, 15–71.
- Traquair, R.H. (1884a) *Palaeospondylus gunni*, Traq., from the Caithness flagstones. *Annals of Scottish Natural History*, 3, 94–9.
- Traquair, R.H. (1884b) Description of a fossil shark (*Ctenacanthus costellatus*) from the Lower Carboniferous rocks of Eskdale, Dumfriesshire. *Geological Magazine*, 1 (3), 3–8.
- Traquair, R.H. (1888a) Remarks on the fossils of the bone bed at Abden. *Transactions of the Edinburgh Geological Society*, 5, 314–15.
- Traquair, R.H. (1888b) Notes on the nomenclature of the fishes of the Old Red Sandstone of Great Britain. *Geological Magazine*, 5, 507–17.
- Traquair, R.H. (1888c) Notes on Carboniferous Selachii. *Geological Magazine*, 5, 81–6, 101–4.
- Traquair, R.H. (1890a) On the fossil fishes found at Achanarras Quarry, Caithness. *Annals and Magazine of Natural History*, 6, (6), 479–86.
- Traquair, R.H. (1890b) Observations on some fossil fishes from the Lower Carboniferous rocks of Eskdale, Dumfriesshire. *Annals and Magazine of Natural History*, 6, (6), 249–52.
- Traquair, R.H. (1890c) List of fossil Dipnoi and Ganoidei of Fife and the Lothians. *Proceedings of the Royal Society of Edinburgh*, 16, 80–6.
- Traquair, R.H. (1893) On the discovery of *Cephalaspis* in the Caithness Flags. *Annals of Scottish Natural History*, 2, 206–7.
- Traquair, R.H. (1894a) Notes on Palaeozoic fishes No. 1. *Annals and Magazine of Natural History*, 14, (6), 368–74.
- Traquair, R.H. (1894b) *A monograph of the fishes of the Old Red Sandstone, Part II, The Asterolepididae*. Palaeontographical Society (Monographs), pp. 63–90.
- Traquair, R.H. (1895) The extinct vertebrate animals of the Moray Firth area. In *A Vertebrate Fauna of the Moray Basin, Vol II* (eds J.A. Harvie-Brown and T.E. Buckley), Douglas, Edinburgh, 309 pp.
- Traquair, R.H. (1897a) Additional notes on the fossil fishes of the Upper Old Red Sandstone of the Moray Firth area. *Proceedings of the Royal Society of Edinburgh*, 13, 376–85.
- Traquair, R.H. (1897b) List of the fish remains occurring in the bone bed at Abden, near Kinghorn, Fifeshire. *Proceedings of the Geologists' Association*, 15, 143–50.
- Traquair, R.H. (1898a) Notes on Palaeozoic fishes, II. *Annals and Magazine of Natural History* 7, Series II, 67–70.
- Traquair, R.H. (1898b) Report on fossil fishes. *Summary of Progress of the Geological Survey of the United Kingdom for 1897*, HMSO, London, pp. 72–6.
- Traquair, R.H. (1899a) On *Thelodus pagei* Powrie, from the Old Red Sandstone of Forfarshire. *Transactions of the Royal Society of Edinburgh*, 39, 595–602.
- Traquair, R.H. (1899b) Report on fossil fishes collected by the Geological Survey of Scotland in the Silurian rocks of the South of Scotland. *Transactions of the Edinburgh Royal Society*, 39 (3), 827–64.
- Traquair, R.H. (1899c) On a new species of *Cephalaspis* discovered by the Geological Survey of Scotland in the Old Red sandstone of Oban. *Transactions of the Royal Society of Edinburgh*, 39, 591–3.
- Traquair, R.H. (1901) Notes on the Lower Carboniferous fishes of eastern Fifeshire. *Geological Magazine*, 8, (4), 110–14.
- Traquair, R.H. (1903) On the distribution of fossil fish-remains in the Carboniferous rocks of the Edinburgh district. *Transactions of the Royal Society of Edinburgh*, 40, 687–707.
- Traquair, R.H. (1904) In *Summary of Progress of the Geological Survey of Great Britain for 1903*, HMSO, London, pp. 121–3.
- Traquair, R.H. (1905a) Supplementary report on the fossil fishes collected by the Geological Survey of Scotland. *Transactions of the Royal Society of Edinburgh*, 40, 879–88.
- Traquair, R.H. (1905b) On the fauna of the Upper Old Red Sandstone of the Moray Firth area. *Report of the British Association for the Advancement of Science, Cambridge*, 1904, 547.

## References

---

- Traquair, R.H. (1905c) Notes on the Lower Carboniferous fishes of eastern Fifeshire. *Proceedings of the Royal Society of Edinburgh*, **17**, 80–6.
- Traquair, R.H. (1907) Report on fossil fishes collected by the Geological Survey of Scotland from shales exposed on the shore near Gullane, East Lothian. *Transactions of the Royal Society, Edinburgh*, **41**, 103–17.
- Traquair, R.H. (1909) Note on the fossil fishes from the Niand Limestone, one-eighth of a mile S.W. of the mouth of the Forse Burn. *Summary of Progress of the Geological Survey of Great Britain for 1908*, pp. 92–3.
- Traquair, R.H. (1911) Les poissons wealdiens de Bernissart. *Mémoires du Musée d'Histoire naturelle Belgique*, **6**, 1–65.
- Traquair, R.H. (1912) Note on the fish remains collected by Messrs R. Campbell, W.T. Gordon, and B.N. Peach in Palaeozoic strata at Cowie, Stonehaven. *Geological Magazine*, **5**, (10), 5.
- Traquair, R.H. (1913) *Ganoids of the British Carboniferous Formations*. Palaeontographical Society (Monographs), 183 pp.
- Trewin, N.H. (1976) Correlation of the Achanarras and Sandwick fish beds, Middle Old Red Sandstone, Scotland. *Scottish Journal of Geology*, **12**, 205–8.
- Trewin, N.H. (1984) Mass mortalities of Devonian fish – the Achanarras Fish Bed, Caithness. *Geology Today*, **1**, 45–9.
- Trewin, N.H. (1986) Sedimentology and palaeontology of the Achanarras fish bed of the Middle Old Red Sandstone, Scotland. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **77**, 21–46.
- Trewin, N.H. (1993) The Old Red Sandstone of Caithness, Excursion 5. In *Excursion Guide to the Geology of Eastern Sutherland and Caithness*, (eds N.H. Trewin and A. Hurst). Scottish Academic Press for the Geological Societies of Aberdeen and Glasgow, Edinburgh, 123–66.
- Trewin, N.H. and Davidson, R.G. (1996) An Early Devonian lake and its associated biota in the Midland Valley of Scotland. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **86**, 233–46.
- Trewin, N.H. and Hurst, A. (eds) (1993) *Excursion Guide to the Geology of Eastern Sutherland and Caithness*. Scottish Academic Press for the Geological Societies of Aberdeen and Glasgow, Edinburgh, 123–66.
- Trewin, N.H. and Kneller, B.L. (1987) Old Red Sandstone and Dalradian of Gramrie Bay. In *Excursion Guide to the Geology of the Aberdeen Area* (eds N.H. Trewin, B.C. Kneller and C. Gillen), Scottish Academic Press, pp. 113–25.
- Trueman, A.E. (1946) Stratigraphical problems in the Coal Measures of Europe and North America. *Quarterly Journal of the Geological Society of London*, **102**, 49–86.
- Turner, P. and Magaritz, M. (1986) Chemical and isotope studies of a core of Marl Slate from NE England: influence of freshwater influx into the Zechstein Sea. In *The English Zechstein and Related Topics* (eds G.M. Harwood and D.B. Smith), *Geological Society of London, Special Publication*, **22**, pp. 19–29.
- Turner, S. (1970) Timing of the Appalachian/Caledonian Orogen contraction. *Nature*, **227**, 90.
- Turner, S. (1971) Thelodonts and the Siluro-Devonian boundary. *Quarterly Journal of the Geological Society, London*, **127**, 632–5.
- Turner, S. (1973) Siluro-Devonian thelodonts from the Welsh Borderland. *Quarterly Journal of the Geological Society, London*, **129**, 557–84.
- Turner, S. (1976) *Fossilium Catalogus I: Animalia*. Part 122: *Thelodonti (Agnatha)*. Dr W. Junk B.V., 's – Gravenhage, 1–35.
- Turner, S. (1982a) A new articulated thelodont (Agnatha) from the Early Devonian of Britain. *Palaeontology*, **25**, 879–89.
- Turner, S. (1982b) Middle Palaeozoic Elasmobranch remains from Australia. *Journal of Vertebrate Paleontology*, **2**, 117–31.
- Turner, S. (1983) Taxonomic note on 'Harpago'. *Journal of Vertebrate Paleontology*, **3**, 38.
- Turner, S. (1986) *Thelodus macintoshi* Stetson 1928, the largest known thelodont (Agnatha: Thelodonti). *Breviora*, **486**, 1–18.
- Turner, S. (1991) Morphology and interrelationships of the Thelodonti. In *Early Vertebrates and Related Problems of Evolutionary Biology* (eds M. Chang, Y. Liu and G. Zhang), Science Press, Beijing, 87–119.
- Turner, S. (1992) Thelodont Lifestyles. In *Fossil Fishes as Living Animals* (ed. E. Mark-Kurik) Academy of Sciences of Estonia, Tallinn, 21–40.
- Turner, S. (1995) IGCP328 Palaeozoic microvertebrate state of play 1995. *Ichthyolith Issues*,

## References

---

- Special Publication*, No. 1, 5–8.
- Turner, S. (in press) Llandoveryan–Gedinnian thelodonts and their ecological significance. In *IGCP Project 53 Ecostratigraphy Final Report* (eds A.J. Boucot and J.D. Lawson), Cambridge University Press.
- Turner, S. (in press) Early Silurian–Early Devonian thelodont assemblages and their possible ecological significance. In *Palaeocommunities: A case study in the Silurian and Lower Devonian* (eds A.J. Boucot and J.D. Lawson), Cambridge University Press.
- Turner, S. and Dixon, J. (1971) Lower Silurian thelodonts from Prince of Wales Island, Northwest Territories. *Lethaia*, **4**, 385–92.
- Turner, S. and Van der Brugghen, W. (1993) The Thelodonti, an important but enigmatic group of Palaeozoic fishes. *Modern Geology*, **18**, 125–40.
- Turner, S., Vergoossen, J.M.J. and Williams, R.B. (1995) Early Devonian microvertebrates from Pwll-y-Wrach, Talgarth, South Wales. *Geobios*, **19**, 377–82.
- Urlich, M. (1977) The Lower Jurassic in southwestern Germany. *Stuttgarter Beiträge zu Naturkunde, Serie B*, **24**, 1–41.
- Ussher, W.A.E. (1876) On the Triassic rocks of Somerset and Devon. *Quarterly Journal of the Geological Society of London*, **32**, 367–94.
- Van der Bruggen, W. and Janvier, P. (1993) Denticles in Thelodonts. *Nature*, **364**, 107.
- Valiukevicius, J. (1988) Acanthodian assemblages. In *Devonian of the World*, Vol. III (eds N.J. McMillan, A.F. Embry and D.J. Glass), *Canadian Society of Petroleum Geologists, Memoir*, **14**, Calgary, 601–8.
- Valiukevicius, J. (1998) Acanthodians and zonal stratigraphy of Lower and Middle Devonian in East Baltic and Byelorussia. *Palaeontographica Abteilung A*, **248**, 1–53.
- Valiukevicius, J., Talimaa, V. and Kruchev, S. (1995) Complexes of microvertebrate remains and correlations of terrigenous Devonian deposits of Belarus and adjacent territories. *Ichthyolith Issues. Special Publication*, No. 1, 53–9.
- Venables, E.M. (1929) On the London Clay of the Bognor District. *Proceedings of the Geologists' Association*, **40**, 41–5.
- Venables, E.M. (1962) The London Clay of Bognor Regis. *Proceedings of the Geologists' Association*, **73**, 245–71.
- Venables, E.M. and Taylor, H.E. (1963) An insect fauna of the London Clay. *Proceedings of the Geologists' Association*, **73**, 273–9.
- Vergoossen, J.M.J. (1992) On complex dermal elements in *Loganellia* species (Agnatha, Thelodonti) from the Upper Llandovery of Scotland (IGCP328 Contribution). *Geologie en Mijnbouw*, **71**, 51–64.
- Vergoossen, J.M.J. (1995) Remarks on microremains of acanthodians (Gnathostomata) from the Late Přídolí of Manbrook (Upper Silurian, Great Britain). *Geobios, Mémoir Spéciale*, **19**, 399–401.
- Vergoossen, J.M.J. (1996) Distribution of acanthodian microremains in the Siluro-Devonian of the Welsh Borderland. *Final Report, CFS Volume, IGCP328*.
- Vergoossen, J.M.J. (in press) Siluro-Devonian microfossils of acanthodii and chondrichthyans (Pisces) from the Welsh Borderland, a preliminary report. *Modern Geology*.
- von Huene, F. (1910) Neuebeschreibung des permischen Stegocephalen *Dasyceps bucklandi* (Lloyd) aus Kenilworth. *Geologie und Paläontologie Abteilungen*, **12**, 325–38.
- von Huene, F. (1926) The carnivorous Saurischia in the Jura and Cretaceous formations principally in Europe. *Revista del Museo de la Plata*, **29**, 35–167.
- von Huene, E. (1933) Zur Kenntnis der Württemburgischen Rhätbonebeds mit Zahnfunden neuer Säuger und säugerzähnlicher Reptilien. *Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg*, 61–131.
- von Huene, E. (1935) Ein Rhynchocephale aus der Rhät (*Pachystropheus* n.g.). *Neues Jahrbuch für Mineralogie, Geologie und Paläontologie, Abteilungen*, **74**, 441–7.
- Vorobyeva, E.I. (1977) Morphology and peculiarities of evolution of crossopterygian fishes. *Trudy Palaeontologicheskogo Instituta*, **163**, 1–239. [In Russian.]
- Vorobyeva, E.I. and Hinchliffe, R.J. (1996) From Fins to Limbs. *Evolutionary Biology*, **29**, 263–311.
- Vorobyeva, E.I. and Kuznetsov, A. (1992) The locomotor apparatus of *Panderichthys rhombolepis* (Gross), a supplement to the problem of fish-tetrapod transition. In *Fossil Fishes as Living Animals* (ed. M. Mark-Kurik), Academy of Science, Estonia, Tallinn, pp. 131–40.

## References

---

- Wach, G.D. and Ruffell, A.H. (1991) *Sedimentology and Sequence Stratigraphy of a Lower Cretaceous Tide and Storm Dominated Clastic Succession, Isle of Wight and S.E. England.* 13th International Sedimentology Congress, Nottingham, U.K., 1990. Field guide. British Sedimentary Research Group, Cambridge, 4, 100 pp.
- Wagner, J.A. (1859a) (Report on his) Monographie der fossilen Fische des frankisch – oberpfälzischen lithographischen Schiefers. *Gelehrte Aus Bayer Akademie der Wissenschaft*, 81–99.
- Wagner, J.A. (1859b) Monographie der fossilen Fische des frankisch – oberpfälzischen lithographischen Schiefers. *Gelehrte Aus Bayer Akademie der Wissenschaft*, 44, 9–20.
- Waldman, M. and Evans, S.E. (1994) Lepidosauromorph reptiles from the Middle Jurassic of Skye. *Zoological Journal of the Linnean Society*, 112, 135–50.
- Waldman, M. and Savage, R.J.G. (1972) The first Jurassic mammal from Scotland. *Journal of the Geological Society, London*, 128, 119–25.
- Walford, E.A. (1895) Stonesfield Slate – Report of the committee. *Report for the British Association for the Advancement of Science*, 1894, 304–6.
- Walford, E.A. (1896) Stonesfield Slate – Second report of the committee. *Report for the British Association for the Advancement of Science*, 1895, 414–15.
- Walford, E.A. (1897) Stonesfield Slate – Third report of the committee. *Report for the British Association for the Advancement of Science*, 1896, 356.
- Walford, E.A. (1906) *On Some New Oolite strata in North Oxfordshire*, Buckingham, 32 pp.
- Walkden, G.M. and Fraser, N.C. (1993) Late Triassic fissure sediments and vertebrate faunas: environmental change and faunal succession at Cromhall, southwest Britain. *Modern Geology*, 9, 273–300.
- Walker, A.D. (1969) The reptile fauna of the Lower Keuper Sandstone. *Geological Magazine*, 106, 470–6.
- Walker, A.D. (1970) Discussion contributions. *Quarterly Journal of the Geological Society, London*, 126, 217–18.
- Walker, C.A. and Moody, R.T.J. (1974) A new trionychid turtle from the Lower Eocene of Kent. *Palaeontology*, 17, 901–7.
- Wallace, T.D. (1879) Old Red Sandstone fish from Nairnside, Scotland. *Transactions of the Inverness Science Society*, 1, 64–5 (for 1878–1880).
- Wallace, T.D. (1885) The geology of the Nairn Valley. *Transactions of the Inverness Science Society*, 1, 189–204.
- Wallis, F.S. (1928) The Old Red Sandstone of the Bristol district. *Quarterly Journal of the Geological Society of London*, 83, 760–89.
- Walton, E.K. (1965) Lower Palaeozoic rocks. In *The Geology of Scotland* (ed. G.Y. Craig), Scottish Academic Press, Edinburgh, 161–227.
- Wängsjö, G. (1952) The Downtonian and Devonian vertebrates of Spitsbergen, IX. Morphology and systematic studies of the Spitsbergen cephalaspids. *Norsk Polarinstitut Skrifter*, Oslo, 97, 1–611.
- Ward, D.J. (1972) Report of project meeting to Shelford Sand Pit, near Canterbury, Kent. *Tertiary Times*, 1, 117–23.
- Ward, D.J. (1973) The English Palaeogene chimaeroid fishes. *Proceedings of the Geologists' Association*, 84, 315–30.
- Ward, D.J. (1975) A new species of chimaeroid fish from the Upper Bracklesham Beds (M. Eocene) of Lee-on-Solent, Hampshire. *Tertiary Research*, 1, 101–4.
- Ward, D.J. (1976) A temporary exposure of Harefield Member (Palaeocene, Oldham Formation) at Bignell's Corner, South Mimms, Herts. *Tertiary Research*, 1, 37–40.
- Ward, D.J. (1977) The Thanet Beds exposure at Pegwell Bay. *Tertiary Research*, 1, 69–76.
- Ward, D.J. (1978a) The Lower London Tertiary (Palaeocene) succession of Herne Bay, Kent. *Institute of Geological Science Report 78/10*, HMSO, London.
- Ward, D.J. (1978b) Additions to the fish fauna of the English Palaeogene; 1. Two new species of *Alopias* (thresher shark) from the English Eocene. *Tertiary Research*, 2, 23–8.
- Ward, D.J. (1979) Additions to the fish fauna of the English Palaeogene. 3. A review of the hexanchid sharks with a description of four new species. *Tertiary Research*, 3, 111–29.
- Ward, D.J. (1980) The distribution of sharks, rays and chimaeroids in the English Palaeogene. *Tertiary Research*, 3, 13–19.
- Ward, D.J. (1988) *Hypotodus verticalis* (Agassiz 1843), *Hypotodus robustus* (Leriche 1921) and *Hypodus heinzelini* (Casier 1967) Chondrichthyes, Lamniformes, junior synonyms of *Carcharias bopei* (Agassiz 1843). *Tertiary Research*, 10, 1–12.

## References

---

- Ward, D.J. and McNamara, K.J. (1977) Associated dentition of the chimaeroid fish *Brachymylus altidens* from the Oxford Clay. *Palaeontology*, **20**, 589–94.
- Ward, D.J. and West, R.L. (1990) A checklist of Palaeocene and Eocene sharks and rays (Chondrichthyes) from the Pamunkay Group, Maryland and Virginia, U.S.A. *Tertiary Research*, **12**, 81–8.
- Ward, P.D. (1990) *On Methuselah's Trail – Living Fossils and the Great Extinctions*. W.H. Freeman and Co., New York, 212 pp.
- Ware, M. and Whatley, R. (1983) New genera and species of ostracods from the Bathonian of Oxfordshire. *Revista Española de Micropalaeontología*, **12**, 199–230.
- Ware, M. and Windle, T.M.F. (1980) Micro-palaeontological evidence for land near Cirencester, England, in Forest Marble (Bathonian) times: a preliminary account. *Geological Magazine*, **118**, 415–20.
- Warren, N.J.W. and Wakefield, N.A. (1972) Trackways of tetrapod vertebrates from the Upper Devonian of Victoria, Australia. *Nature*, **238**, 469–70.
- Warren, A., Jupp, R. and Bolton, B. (1986) Earliest tetrapod trackways. *Alcheringa*, **10**, 183–6.
- Warrington, G. (1970a) The 'Keuper' Series of the British Trias in the northern Irish Sea and neighbouring areas. *Nature*, **226**, 254–56.
- Warrington, G. (1970b) The stratigraphy and palaeontology of the Keuper Series of the central Midlands of England. *Quarterly Journal of the Geological Society of London*, **126**, 183–223.
- Warrington, G. (1971) Palynology of the New Red Sandstone of the south Devon coast. *Proceedings of the Ussher Society*, **2**, 307–14.
- Warrington, G. (1974a) Trias. In *The Geology and Mineral Resources of Yorkshire* (eds D.H. Rayner and J.E. Hemmingway), Yorkshire Geological Society, 145–60.
- Warrington, G. (1974b) Les evaporites du Trias Britannique. *Bulletin de la Société géologique de France*, 7e Ser., **16**, 708–23.
- Warrington, G. (1976) British Triassic Palaeontology. *Proceedings of the Ussher Society*, **3**, 341–53.
- Warrington, G. and Ivimey-Cook, H.C. (1992) Triassic. In *Atlas of Palaeogeography and Lithofacies* (eds J.C.W. Cope, J.K. Ingham and P.F. Rawson), *The Geological Society, London, Memoir* **13**, 97–106.
- Warrington, G. and Scrivener, R.C. (1988) Late Permian fossils from Devon: regional implications. *Proceedings of the Ussher Society*, **7**, 95–6.
- Warrington, G. and Scrivener, R.C. (1990) The Permian of Devon, England. *Revue of Palaeobotany and Palynology*, **66**, 263–72.
- Warrington, G., Audley-Charles, M.G., Elliott, R.E. et al. (1980) *A Correlation of Triassic Rocks in the British Isles. Special Report of the Geological Society, London*, **13**, 78 pp.
- Waterston, C.D. (1962a) A new Upper Old Red Sandstone fish locality in Scotland. *Nature*, **169**, 263.
- Waterston, C.D. (1962b) In *Edinburgh Geology: An excursion guide* (eds G.H. Mitchell, K. Walton and D. Grant). Oliver and Boyd, Edinburgh, 20–22.
- Watson, D.M.S. (1925) The structure of certain palaeoniscids and the relationship of that group with other bony fish. *Proceedings of the Zoological Society of London* (1925), 815–70.
- Watson, D.M.S. (1928) On some points in the structure of palaeoniscid and other allied fish. *Proceedings of the Zoological Society of London*, 1928, 49–70.
- Watson, D.M.S. (1932) On three new species of fish from the Old Red Sandstone of Orkney and Shetland. *Summary of Progress of the Geological Survey for 1931*, pt. 2, HMSO, London, pp. 157–66.
- Watson, D.M.S. (1934) Report on fossil fishes from Sandness, Scotland. *Summary of Progress of the Geological Survey for 1933*, HMSO, London, pp. 74–6.
- Watson, D.M.S. (1935) Fossil fishes of the Orcadian Old Red Sandstone. In *The Geology of the Orkneys* (eds G.V. Wilson et al.), Memoirs of the Geological Survey of Scotland, HMSO, Edinburgh, pp. 157–69.
- Watson, D.M.S. (1937) The acanthodian fishes. *Philosophical Transactions of the Royal Society, London*, **B228**, 49–146.
- Watson, D.M.S. (1954) A consideration of ostracoderms. *Philosophical Transactions of the Royal Society, London*, **B238**, 1–25.
- Watson, D.M.S. (1960) Some additions to our knowledge of antiarchs. *Palaeontology*, **4**, 210–20.
- Watson, D.M.S. and Day, H. (1916) Notes on some Palaeozoic fishes. *Memoirs and Proceedings of the Manchester Literary and Philosophical Society*, **60**, 52 pp.

## References

---

- Watson, D.M.S., Westoll, T.S., White, E.I. and Toombs, H.A. (1948) Guide to excursion C16. Vertebrate Palaeontology. *16th International Geological Congress, Great Britain, London*, pp. 2–3.
- Watts, W.W. (1925) Excursion to south Shropshire. *Proceedings of the Geologists' Association*, **36**, 394–405.
- Webby, B.D. (1965a) The Middle Devonian transgression in north Devon and west Somerset. *Geological Magazine*, **102**, 478–88.
- Webby, B.D. (1965b) The stratigraphy and structure of the Devonian rocks in the Brendon Hills, west Somerset. *Proceedings of the Geologists' Association*, **76**, 39–60.
- Webby, B.D. (1966) Middle–Upper Devonian palaeogeography of north Devon and west Somerset. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2**, 27–46.
- Webster, T. (1814) On the freshwater formations in the Isle of Wight, with some observations on the strata over the Chalk in the south-east part of England. *Transactions of the Geological Society of London*, **2**, 161–254.
- Webster, T. (1816) Additional observations, chiefly geological, on the Isle of Wight, and the adjacent coast of Dorsetshire. In *A description of the principle picturesque beauties, antiquities and geological phenomena of the Isle of Wight. With additional observations on the strata of the island and their continuation in the adjacent parts of Dorsetshire* (ed. C.A. Englefield), Payne and Foss, London, pp. 117–238.
- Weir, A.H. and Catt, J.A. (1969) The mineralogy of palaeogene sediments in northeast Kent (Great Britain). *Sedimentary Geology*, **3**, 17–33.
- Welch, F.B.A. and Trotter, F.M. (1961) *Geology of the Country around Monmouth and Chepstow* (Sheets 233 and 250). Memoirs of the Geological Survey of Great Britain, HMSO, London, 142 pp.
- Welles, S.P. and Estes, R. (1969) *Hadrokovosaurus bradyi* from the Upper Moenkopi Formation of Arizona. *University of California Publications in the Geological Sciences*, **84**, 56 pp.
- Wellman, C.H. and Richardson, J.B. (1993) Terrestrial plant microfossils from Silurian inliers of the Midland Valley of Scotland. *Palaeontology*, **36**, 155–94.
- Wellstead, C.F. (1982) A lower Carboniferous aistopod amphibian from Scotland. *Palaeontology*, **25**, 193–208.
- Wenz, S. (1967) Compléments à l'étude des poissons actinopterygiens du Jurassique français. *Cahiers de Paléontologie*, CNRS, Paris, 276 pp.
- West, I.M. and El-Shahat, A. (1985) Dinosaur footprints and early correlation of Purbeck bivalve beds. *Proceedings of the Dorset Natural History and Archaeological Society*, **106**, 169–70.
- Westoll, T.S. (1934) On the structures of the dermal eeloid shield of *Osteolepis*. *Geological Magazine*, **73**, 157–71.
- Westoll, T.S. (1937) The Old Red Sandstone fishes of the north of Scotland, particularly of Orkney and Shetland. *Proceedings of the Geologists' Association*, **48**, 13–45.
- Westoll, T.S. (1940) New material of *Eusthenopteron*. *Geological Magazine*, **77**, 65–73.
- Westoll, T.S. (1941) The Permian fishes *Dorypterus* and *Lekanichthys*. *Proceedings of the Zoological Society*, **B111**, 39–58.
- Westoll, T.S. (1944) The Haplolepididae, a new family of Late Carboniferous bony fishes. A study in taxonomy and evolution. *Bulletin of the American Museum, Natural History*, **83**, 1–222.
- Westoll, T.S. (1945) A new cephalaspid fish from the Downtonian of Scotland, with notes on the structures and classification of Ostracoderms. *Transactions of the Royal Society of Edinburgh*, **61**, 341–57.
- Westoll, T.S. (1948) The vertebrate-bearing strata of Scotland. *18th International Geological Congress, London, Abstracts*, **18**, 74–5.
- Westoll, T.S. (1949) On the evolution of the diploids. In *Genetics, Palaeontology and Evolution* (eds G.L. Jepsen, E. Mayr and G.G. Simpson), Princeton University Press, Princeton, pp. 121–84.
- Westoll, T.S. (1951) The correlation of continental vertebrate-bearing rocks. The vertebrate-bearing strata of Scotland. *Report for the International Geological Congress, London, (18th session)*, 1948 II, 5–21.
- Westoll, T.S. (1958) The lateral fin-fold theory and the pectoral fins of ostracoderms and early fishes. In *Studies on Fossil Vertebrates* (ed. T.S. Westoll), University of London Press, London, pp. 181–211.
- Westoll, T.S. (1977) Northern Britain. In *A Correlation of Devonian rocks in the British Isles* (ed. M.R. House), *The Geological*

## References

- Society Special Report*, No. 8, 66–92.
- Westoll, T.S. (1979) Devonian Fish Biostratigraphy. In *The Devonian System* (eds M.R. House, C.T. Scrutton and M.G. Bassett), *The Palaeontological Association Special Papers in Palaeontology* No. 23, 341–53.
- Whitaker, J. (1985) *Atlas of Onshore Sedimentary Basins in England and Wales*, Blackie, Glasgow and London, 71 pp.
- Whitaker, J.H. McD. (1962) The geology of the area around Leintwardine, Herefordshire. *Quarterly Journal of the Geological Society of London*, **118**, 319–51.
- Whitaker, W. (1866) On the 'Lower London Tertiaries' of Kent. *Quarterly Journal of the Geological Society of London*, **22**, 404–35.
- Whitaker, W. (1869) On the succession of beds in the 'New red' on the south coast of Devon and on the locality of a new specimen of *Hyperodapedon*. *Quarterly Journal of the Geological Society of London*, **25**, 152–8.
- Whitaker, W. (1872) The geology of the London basin. Part I. The chalk and the Eocene beds of the southern and western tracts. *District Memoirs of the Geological Survey of Great Britain*, HMSO, London, **4**, 619 pp.
- Whitaker, W. (1912) Report of an excursion to Reculvers. *Proceedings of the Geologists' Association*, **23**, 247–49.
- Whitaker, W. and Dowker, G. (1885) Excursion to Canterbury, Reculvers, Pegwell Bay, and Richborough. *Proceedings of the Geologists' Association*, **9**, 168–77.
- White, D.E. and Lawson, J.D. (1989) The Přídolí Series in the Welsh Borderland and south central Wales. In *A Global Standard for the Silurian system* (eds C.H. Holland and M.G. Bassett), *National Museum of Wales, Geology Series*, **9**, Cardiff, pp. 131–41.
- White, E.I. (1927) The fish fauna of the Cementstones of Foulden, Berwickshire. *Transactions of the Royal Society of Edinburgh*, **55**, 255–87.
- White, E.I. (1931) *The Vertebrate Fauna of the English Eocene: Volume I, From the Thanet Sands to the Basement Bed of the London Clay*. British Museum (Natural History), London, 23 pp.
- White, E.I. (1935) The Ostracoderm *Pteraspis* Kner and the relationships of the Agnathous Vertebrates. *Philosophical Transactions of the Royal Society, London*, **B225**, 381–457.
- White, E.I. (1937) The fishes of the 'Crangopsis Bed' at Andross, Fifeshire. *Geological Magazine*, **74**, 411–28.
- White, E.I. (1938) New Pteraspids from South Wales. *Quarterly Journal of the Geological Society, London*, **94**, 85–155.
- White, E.I. (1946) The genus *Phialaspis* and the 'Psammosteus Limestones'. *Quarterly Journal of the Geological Society, London*, **101**, 207–42.
- White, E.I. (1950a) The vertebrate faunas of the Lower Old Red Sandstone of the Welsh borders. *Bulletin of the British Museum (Natural History) Geology*, **3**, 1–67.
- White, E.I. (1950b) *Pteraspis leathensis* White, a Dittonian zone-fossil. *Bulletin of the British Museum (Natural History) Geology*, **3**, 69–89.
- White, E.I. (1950c) A fish from the Bunter near Kidderminster. *Transactions of the Worcestershire Naturalists' Club*, **10**, 185–9.
- White, E.I. (1956) Preliminary note on the range of pteraspids in Western Europe. *Bulletin de l'Institut royale de Science naturelle Belgique*, **32**, 1–10.
- White, E.I. (1958a) Original environment of the craniates. In *Studies on Fossil Vertebrates* (ed. T.S. Westoll), University of London, Athlone Press, pp. 212–34.
- White, E.I. (1958b) On *Cephalaspis lyelli* Agassiz. *Palaeontology*, **1**, 99–105.
- White, E.I. (1960) Notes on pteraspids from Artois and the Ardennes. *Bulletin de l'Institut royale de Science naturelle Belgique*, **36**, 16 pp.
- White, E.I. (1961) The Old Red Sandstone of Brown Clee Hill and the adjacent area. II. Palaeontology. *Bulletin of the British Museum (Natural History) Geology*, **5**, 245–310.
- White, E.I. (1963) Notes on *Pteraspis mitchelli* and its associated fauna. *Transactions of the Edinburgh Geological Society*, **19**, 306–22.
- White, E.I. (1965) The head of *Dipterus valenciennesi* Sedgwick and Murchison. *Bulletin of the British Museum (Natural History) Geology*, **11**, 1–45.
- White, E.I. (1969) The deepest vertebrate fossil and other arctolepid fishes. *Biological Journal of the Linnean Society*, **1**, 293–310.
- White, E.I. (1973) Form and growth in *Belgicaspis* (Heterostraci). *Palaeontographica, Abteilung A*, **143**, 11–24.
- White, E.I. and Toombs, H.A. (1948) *Vertebrate Palaeontology. II. England and Wales. Guide*

## References

- to Excursion C16, International Geological Congress, 18th Session, London, 4–14.
- White, E.I. and Toombs, H.A. (1983) The Cephalaspidids from the Dittonian section at Cwm Hill, near Abergavenny, Gwent. *Bulletin of the British Museum (Natural History), Geology*, **37**, 149–71.
- White, H.J.O. (1907) *The Geology of the Country around Hungerford and Newbury* (Sheet 26). Memoirs of the Geological Survey of Great Britain, HMSO, London. 150 pp.
- White, H.J.O. (1921) *A Short Account of the Geology of the Isle of Wight*. Memoirs of the Geological Survey of the United Kingdom, HMSO, London, 219 pp. (Reprinted by NERC, 1968).
- White, H.J.O. (1923) The geology of the country south and west of Shaftesbury. (Sheet 313), *Memoirs of the Geological Survey of England and Wales*, HMSO, London, 108 pp.
- White, H.J.O. (1924) The Geology of the Country near Brighton and Worthing. *Memoirs of the Geological Survey of England and Wales*, (Sheets No. 318, 333), HMSO, 114 pp.
- White, H.J.O. (1926) *The Geology of the Country near Lewes* (Sheet 319). Memoirs of the Geological Survey England and Wales, HMSO, London, 97 pp.
- White, H.J.O. (1928) *The Geology of the Country near Ramsgate and Dover* (Sheets 274 and 290). Memoirs of the Geological Survey of Great Britain, HMSO, London, 92pp.
- Whiteaves, J.F. (1881) On some remarkable fossil fishes from the Devonian rocks of Scaumenac Bay, Province of Quebec, with a description of a new genus and three new species. *Canadian Naturalist*, **10**, 27–35.
- Whiteaves, J.F. (1886) Illustrations of the fossil fishes of the Devonian rocks of Canada. *Transactions of the Royal Society of Canada*, **4**, section IV.
- Whiteside, D.I. (1986) The head skeleton of the Rhaetian sphenodontid *Diphydontosaurus arories* gen. et sp. nov. and the modernizing of a living fossil. *Philosophical Transactions of the Royal Society, London*, **B312**, 379–430.
- Whiteside, D.I. and Marshall, J.E.A. (1985) Pre-Rhaetic therian mammals, comment to Fraser, Walkden and Stewart. *Nature*, **318**, 81–2.
- Whiteside, D.I. and Robinson, D. (1983) A glauconitic clay mineral from a speleological deposit of Late Triassic age. *Palaeogeogra-* *phy, Palaeoclimatology, Palaeoecology*, **41**, 81–5.
- Whittard, W.F. (1953) Report of summer field meeting in south Shropshire, 1952. *Proceedings of the Geologists' Association*, **64**, 232–50.
- Whyte, M.A. (1994) Scottish Carboniferous freshwater limestones in their regional setting. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, **84**, 239–48.
- Wickes, W.H. (1904) The Rhaetic bone beds. *Proceedings of the Bristol Naturalists' Society*, **10**, 213–27.
- Wickstead, J.M. (1969) Some further comments on *Jamoytius Kerwoodi* White. *Zoological Journal of the Linnean Society*, **48**, 421–2.
- Wignall, P.B. (1994) *Black Shales. Oxford Monographs on Geology and Geophysics*, **30**, Oxford University Press, Oxford, 127 pp.
- Wild, R. (1990) Holzmaden. In *Palaeobiology: A Synthesis* (eds D.E.G. Briggs and P.R. Crowther). Blackwell Scientific Publications, Oxford, pp. 282–5.
- Williams, M.E. (1979) The 'cladodont-level' sharks of the Pennsylvanian black shales of central North America. Unpublished PhD thesis, University of Kansas, Lawrence, Kansas.
- Williams, M.E. (1985) The 'cladodont-level' sharks of the Pennsylvanian black shales of central North America. *Palaeontographica, Abteilung A*, **190**, 83–158.
- Williams, B.P.J. and Hancock, P.L. (1977) The sedimentology and structure of the Upper Palaeozoic rocks at Portishead. In *Geological Excursions in the Bristol District* (ed. R.J.G. Savage), University of Bristol, pp. 29–46.
- Wills, L.J. (1910) On the fossiliferous Lower Keuper rocks of Worcestershire. *Proceedings of the Geologists' Association*, **21**, 249–331.
- Wills, L.J. (1916) The structure of the lower jaw of labyrinthodonts. *Proceedings of the Birmingham Natural History Society*, **10**, 461–2.
- Wills, L.J. (1935) Rare and new ostracoderm fishes from the Downtonian of Shropshire. *Transactions of the Royal Society of Edinburgh*, **58**, 427–47.
- Wills, L.J. (1948) *The Palaeogeography of the Midlands*, 1st edn, University Press of Liverpool, 147 pp.
- Wills, L.J. (1950) *The Palaeogeography of the Midlands*, 2nd edn, University Press of Liverpool, 143 pp.
- Wills, L.J. and Sarjeant, W.A.S. (1970) Fossil vertebrate and invertebrate tracks from bore-

## References

- holes through the Bunter Series (Triassic) of Worcestershire. *Mercian Geologist*, 3, 399–413.
- Wilson, E. (1891) *Guide to the British Museum*, (2nd edn), Bristol, 32 pp.
- Wilson, G.V. and Knox, J. (1936) The geology of the Orkney and Shetland Islands. *Proceedings of the Geologists' Association*, 47, 270–82.
- Wilson, G.V. and Knox, J. (1937) Orkney and Shetland field meeting. *Proceedings of the Geologists' Association*, 48, 61–70.
- Wilson, G.V., Edwards, W., Knox, J., Jones, R.C.B. and Stephens, S.J.V. (1935) *The Geology of the Orkneys*. Memoirs of the Geological Survey of Scotland, HMSO, Edinburgh, 187 pp.
- Wilson, M. and Caldwell, M.W. (1993) New Silurian and Devonian fork-tailed 'thelodonts' are jawless vertebrates with stomachs and deep bodies. *Nature*, 361, 442–44.
- Wimbledon, W.A. and Hunt, C.O. (1983) The Portland–Purbeck junction (Portlandian–Berriasian) in the Weald and correlation of the latest Jurassic–early Cretaceous rocks in southern England. *Geological Magazine*, 120, 267–280.
- Wood, C.J. (1992) Supplementary report on the stratigraphy of the Totternhoe Stone of the Totternhoe Quarries and adjacent sections. *British Geological Survey Technical Report*, WH/92/115R, HMSO, London.
- Wood, C.J. and Smith, D. (1978) Lithostratigraphic nomenclature of the Chalk in North Yorkshire, Humberside and Lincolnshire. *Proceedings of the Yorkshire Geological Society*, 42, 263–87.
- Wood, S.P. (1975) Recent discoveries of Carboniferous fishes in Edinburgh. *Scottish Journal of Geology*, 11, 251–8.
- Wood, S.P. (1982) New basal Namurian (Upper Carboniferous) fishes and crustaceans found near Glasgow. *Nature*, 297, 574–7.
- Wood, D. and Knox, R.W.O'B. (1979) Mesozoic volcanism in the northern North Sea and adjacent areas. *Bulletin of the Geological Survey of Great Britain*, HMSO, London, 70, 34–76.
- Wood, S.P. and Rolfe, W.D.I. (1985) Introduction to the palaeontology of the Dinantian of Foulden, Berwickshire, Scotland. *Transactions of the Royal Society of Edinburgh*, 76, 1–6.
- Wood, S.P., Panchen, A.L. and Smithson, T.R. (1985) A terrestrial fauna from the Scottish Lower Carboniferous. *Nature*, 314, 355–6.
- Wood, S.V. (1844) Record of the discovery of an alligator with several new mammalia in the freshwater strata at Horwell. *Annals and Magazine of Natural History*, 14, 319–51.
- Wood, S.V. (1846) On the discovery of an alligator and several new mammalia in the Hordwell Cliff; with observations upon the geological phenomena at that locality. *London Geological Journal*, 1, 1–7, 117–22.
- Woodrow, D.L., Fletcher, F.W. and Ahrnsbrak, W.F. (1974) Palaeogeography and palaeoclimate at the depositional sites of the Devonian Catskill and Old Red facies. *Bulletin of the Geological Society of America*, 84, 3051–64.
- Woodward, A.S. (1886) On the palaeontology of the selachian genus *Notidanus* Cuvier. *Geological Magazine*, 3, 205–17, 253–9.
- Woodward, A.S. (1887a) On a new species of *Semionotus* from the Lower Oolite of Brora, Sutherlandshire. *Annals and Magazine of Natural History*, 20, (3), 175–9.
- Woodward, A.S. (1887b) Literature of the Fossil Ganoid *Semionotus*. *Annals and Magazine of Natural History*, 20, 320.
- Woodward, A.S. (1888a) Note on the occurrence of a species of *Onychodus* in the Lower Old Red Sandstone Passage Beds of Ledbury, Herefordshire. *Geological Magazine*, 5, 500–1.
- Woodward, A.S. (1888b) A synopsis of the vertebrate fossils of the English Chalk. *Proceedings of the Geologists' Association*, 10, 273–38.
- Woodward, A.S. (1888c) On some remains of the extinct Selacian *Asteracanthus* from the Oxford Clay of Peterborough, preserved in the collection of Alfred N. Leeds, Esq., of Eyebury. *Annals and Magazine of Natural History*, 2, 42.
- Woodward, A.S. (1889a) *Catalogue of the fossil fishes in the British Museum. Part I, containing the Elasmobranchi*. British Museum (Natural History) xlvii, 471 pp.
- Woodward, A.S. (1889b) Note on *Bucklandinia diluvi*, Koenig, a Siluroid Fish from the London Clay of Sheppey. *Proceedings of the Zoological Society*, 208–10.
- Woodward, A.S. (1889c) Note on a species of *Pholidophorus* from the Rhaetic Paper Shales of Wigston. *Transactions of the Leicester*

## References

---

- Literary and Philosophical Society (n.s.) **11**, 18–21.
- Woodward, A.S. (1890) A synopsis of the fossil fishes of the English Lower Oolites. *Proceedings of the Geologists' Association*, **11**, 285–306.
- Woodward, A.S. (1891a) *Catalogue of fossil fishes in the British Museum. Part II. Containing the Elasmobranchi (Acanthodii), Holocephali, Ichthyodermalites, Ostracoderms, Dipnoi and Teleostini (Crossopterygii), and Chondrosteans Actinopterygii*, British Museum (Natural History), London, 567 pp.
- Woodward, A.S. (1891b) *Pholidophorus germanicus*: an addition to the Fish-fauna of the Upper Lias of Whitby. *Geological Magazine*, **8**, 545–6.
- Woodward, A.S. (1892a) Palaeozoic fishes. *Geological Magazine*, **9**, 233–5.
- Woodward, A.S. (1892b) Supplementary observations on some fossil fishes of the English Lower Oolites. *Proceedings of the Geologists' Association*, **12**, 238–41.
- Woodward, A.S. (1892c) On the skeleton of a Chimaeroid (*Ischyodus*) from the Oxford Clay of Christian Malford, Wiltshire. *Annals and Magazine of Natural History*, **9**, 94–6.
- Woodward, A.S. (1892d) On some teeth of new Chimaeroid fishes from the Oxford and Kimmeridge Clays of England. *Annals and Magazine of Natural History*, **10**, 13–16.
- Woodward, A.S. (1895a) *A catalogue of the fossil fishes in the British Museum (Natural History)*, London, Part III British Museum (Natural History), London, 534 pp.
- Woodward, A.S. (1895b) On the Liassic Fish *Osteorachis macrocephalus*. *Geological Magazine* **2**, 204–6.
- Woodward, A.S. (1896) On the fossil fishes of the Upper Lias of Whitby. *Proceedings of the Yorkshire Geological Society*, **13**, 3–4.
- Woodward, A.S. (1897) On the fossil fishes of the Upper Lias of Whitby Part II. *Proceedings of the Yorkshire Geological Society*, **13**, 155–70.
- Woodward, A.S. (1898) On the Fossil Fishes of the Upper Lias of Whitby. Part III. *Proceedings of the Yorkshire Geological Society*, **13**, 325–37.
- Woodward, A.S. (1899a) On some new specimens of *Pteraspis cornubica* from the Devonian of Lantivet Bay. *Transactions of the Royal Geological Society of Cornwall*, **12**, 484–92.
- Woodward, A.S. (1899b) Palaeoichthyological notes, I: On the so-called *Hybodus keuperinus*, Murch. and Strickl. II: On *Diplodus moorei*, sp. nov., from the Keuper of Somersetshire. III: On a symetrical hybodont tooth from the Oxford Clay of Peterborough. IV: On a maxilla of *Saurichthys* from Rhaetic of Aust Cliff, near Bristol. *Annals and Magazine of Natural History*, **3**, 297–302.
- Woodward, A.S. (1899c) On the fossil fishes of the Upper Lias of Whitby. Part IV. *Proceedings of the Yorkshire Geological Society*, **13**, 455–72.
- Woodward, A.S. (1899d) Notes on the teeth of sharks and skates from the English Eocene formations. *Proceedings of the Geologists' Association*, **16**, 1–14.
- Woodward, A.S. (1901) *Catalogue of the fossil fishes in the British Museum. Part IV. Containing the actinopterygian Teleostomi of the suborders Isopondyli (in part), Ostariophysii, Apodes, Percesosces, Hemibranchii, Acanthopterygi and Acanthini*, British Museum (Natural History), London, 636 pp.
- Woodward, A.S. (1902–1912) *The fossil fishes of the English Chalk*. Parts I–VII, Palaeontographical Society (Monograph), pp. 1–257.
- Woodward, A.S. (1904a) On two new labyrinthodont skulls of the genera *Capitosaurus* and *Aphameramma*. *Proceedings of the Zoological Society, London*, **11**, 170–6.
- Woodward, A.S. (1904b) Notes on the geology and fossils of the Ludlow district. *Proceedings of the Geologists' Association*, **18**, 429–42.
- Woodward, A.S. (1906) On a new specimen of the Chimaeroid Fish *Myriacanthus paradoxus*, from the Lower Lias near Lyme Regis. *Quarterly Journal of the Geological Society of London*, **62**, 1–4.
- Woodward, A.S. (1908) *The fossil fishes of the English Chalk*. Part IV. Palaeontographical Society (Monograph), 29–52.
- Woodward, A.S. (1910) *A guide to the fossil reptiles, amphibians and fishes in the Department of Geology and Palaeontology in the British Museum (Natural History)*, Cromwell Road, London, SW, 9th edn London, 110 pp.
- Woodward, A.S. (1911) *Euthynotus*: A Fossil Fish from the Upper Lias of Dumbleton, Glos. *Proceedings of the Cheltenham Natural Sciences Society*, **1**, 322–3.

## References

- Woodward, A.S. (1912) The fossil fishes of Dura Den. *British Association for the Advancement of Science Handbook*, Dundee, 594–6.
- Woodward, A.S. (1916) On a new specimen of the Liassic Pachycormid fish *Saurostomus esocinus*, Agassiz. *Geological Magazine*, 3, (6), 49–51.
- Woodward, A.S. (1915–1917) *The fossil fishes of the English Wealden and Purbeck formations*. Part I (1915), II (1916) and III (1917). Palaeontographical Society (Monograph).
- Woodward, A.S. (1919a) Notes on the fish remains from the Pickwell Down sandstones. *Geological Magazine*, 6, (6), 102–3.
- Woodward, A.S. (1919b) On two new elasmobranch fishes (*Crossorhinus jurassicus*, sp. nov. and *Protospinax annectans*, gen. et sp. nov.) from the Upper Jurassic Lithographic Stone of Bavaria. *Proceedings of the Zoological Society*, (1918), 231–5.
- Woodward, A.S. (1921) On certain groups of fossil fishes. *Proceedings of the Linnean Society, London*, 132, 25–34.
- Woodward, A.S. (1924) On a hybodont shark (*Tristicbius*) from the Calciferous Sandstone Series of Eskdale (Dumfriesshire). *Quarterly Journal of the Geological Society, London*, 80, 338–42.
- Woodward, A.S. (1928) A New Ganoid Fish (*Heterostrophus phillipsi*, sp. nov.) related to *Dapedius* from the Oxford Clay of Peterborough. *Proceedings of the Peterborough Natural History Society*, 56, 59–60.
- Woodward, A.S. (1929) The Upper Jurassic Fish *Heterostrophus*. *Proceedings of the Zoological Society*, (1929) 561–6.
- Woodward, A.S. and Dixon, E.E.L. (1904) Long excursion to the Ludlow district. *Proceedings of the Geologists' Association*, 18, 487–91.
- Woodward, A.S. and Sherborn, C.D. (1890) *A Catalogue of British fossils. Vertebrata*. Dulau, London, 396 pp.
- Woodward, A.S. and Ussher, W.A.E. (1911) *The Geology of the Country near Sidmouth and Lyme Regis* (Sheets 326 and 340). Memoirs of the Geological Survey of England and Wales, HMSO, London, 96 pp.
- Woodward, A.S. and White, E.I. (1926) The fossil fishes of the Old Red Sandstone of the Shetland Islands. *Transactions of the Royal Society of Edinburgh*, 54, 567–71.
- Woodward, H.B. (1893) The Lias of England and Wales (Yorkshire excepted). The Jurassic Rocks of Britain. Volume III. *Memoirs of the Geological Survey of the United Kingdom*, HMSO, London, pp. 412.
- Woodward, H.B. (1894) *The Lower Oolitic Rocks of England (Yorkshire Excepted)*. The Jurassic Rocks of Britain. Volume IV. Memoirs of the Geological Survey of the United Kingdom, HMSO, London, 628 pp.
- Woodward, H.B. (1895) *The Middle and Upper Oolitic Rocks of England (Yorkshire Excepted)*. The Jurassic Rocks of Britain. Volume V. Memoirs of the Geological Survey of the United Kingdom, HMSO, London, 499 pp.
- Woodward, H.B. and Ussher, W.A.E. (1906) The Geology of the Country near Sidmouth and Lyme Regis. (Sheets 326 and 340), *Memoirs of the Geological Survey of Great Britain*, HMSO, London 102 pp.
- Wright, C.W. and Kennedy, W.J. (1984) *The Ammonoidea of the Plenus Marls and the Middle Chalk*. Palaeontographical Society (Monograph), 148 pp.
- Wright, T. (1865) Report on Miss Holland's collection of Lias fossils. *Proceedings of the Cotteswold Naturalists' Field Club*, 3, 153–6.
- Wright, V.P., Marriott, S.B. and Vanstone, S.D. (1991) A 'reg' palaeosol from the Lower Triassic of South Devon: stratigraphic and palaeoclimatic implications. *Geological Magazine*, 128, 517–23.
- Wright, V.P., Turner, M.S., Andrews, J.E. and Spiro, B. (1993) Morphology and significance of super-mature calcretes from the Upper Old Red Sandstone of Scotland. *Journal of the Geological Society, London*, 150, 871–83.
- Wrigley, A.G. (1949) The Thanet Sands. *South-east naturalist, Canterbury*, 54, 41–6.
- Wyatt, R.J. (1981) Geological notes and local details for 1 : 10,000 sheet SP31NE (Charlburg and Stonesfield). Institute of Geological Sciences, Keyworth, HMSO.
- Young, G. and Bird, J. (1822) *A Geological Survey of the Yorkshire Coast*, Whitby, 328 pp.
- Young, G. and Bird, J. (1828) *A Geological Survey of the Yorkshire Coast*, 2nd edn, Kirby, Whitby, 328 pp.
- Young, G.C. (1974) Stratigraphic occurrence of some placoderm fishes in the Middle and Late Devonian. *Newsletters in Stratigraphy*, 3, 243–61.
- Young, G.C. (1981) Biogeography of Devonian vertebrates. *Alcberinga*, 5, 225–43.

## References

---

- Young, G.C. (1984) Reconstruction of the jaws and braincase in the Devonian placoderm fish *Bothriolepis*. *Palaeontology*, **27**, 625–61.
- Young, G.C. (1990) Devonian vertebrate distribution patterns, and cladistic analysis of palaeogeographic hypotheses. In *Palaeozoic Biogeography and Palaeogeography* (eds W.S. McKerrow and C.R. Scotese), *Geological Society of London Memoir*, **12**, pp. 243–55.
- Young, G.C. (1993) Vertebrate faunal provinces in the Middle Palaeozoic. In *Palaeozoic Vertebrate Biostratigraphy and Biogeography* (ed. J.A. Long), Belhaven Press, London, 293–323.
- Young, G.C. and Zhang, G.R. (1992) A new antiarch (placoderm fish; Devonian) from the south west of New South Wales. *Proceedings of the Linnean Society, New South Wales*, **114**, 443–64.
- Young, G.W. (1910) The Chalk Cliffs of Kent and Sussex, and the Tertiary beds of Herne Bay. *Geology in the Field*, Pt.II, 256–69 (London Geologists' Association).
- Young, (V.T.) S. (1995) Micro-remains from Early and Middle Devonian acanthodian fishes from the U.K. and their biostratigraphic possibilities. *Ichthyolith Issues, Special Publication No. 1*, 65–8.
- Zangerl, R. (1973) Interrelationships of chondrichthyans. In *Interrelationships of Fishes* (ed. P.H. Greenwood) Academic Press, 1–14.
- Zangerl, R. (1981) Chondrichthyes I. Palaeozoic Chondrichthyes. *Handbook of Paleichthyology*, Gustav Fisher Verlag, Stuttgart, 115 pp.
- Zangerl, R. (1984) On the microscopic anatomy and possible function of the spinner 'brush' complex of *Stethacanthus* (Elasmobranchii: Symmoriida). *Journal of Vertebrate Paleontology*, **41**, 372–8.
- Zangerl, R. and Richardson, E.S. Jr. (1963) The palaeoecological history of two Pennsylvanian black shales. *Fieldiana: Geology Memoirs*, **4**, 352 pp.
- Zidek, J. (1993) Acanthodians. In *The Fossil Record 2* (ed. M.J. Benton), Chapman and Hall, London, pp. 589–92.
- Ziegler, P.A. (1989) Laurussia – The Old Red Continent. In *Devonian of the World*, (eds. N.J. McMillan, A.F. Embry and D.J. Glass), *Canadian Society of Petroleum Geologists, Memoir*, **14**, I, pp.15–48.
- Zittel, K. (1887–1890) *Handbuch der Palaeontologie*, 3, *Vertebrata (Pisces, Amphibia, Reptilia, Aves)*, Munich, 900 pp.