
References

General geology

- Principles of Physical Geology* (third edition revised by Doris L. Holmes). A. HOLMES. 1978. 730 pp. Van Nostrand Reinhold (UK).
- The Cambridge Encyclopaedia of Earth Sciences*. D.G. SMITH (Editor). 1981. 496 pp. Cambridge University Press.
- A Dynamic Stratigraphy of the British Isles*. R. ANDERTON, P.H. BRIDGES, M.R. LEEDER and B.W. SELLWOOD. 1979. 301 pp. George Allen & Unwin.
- Sedimentology: Process and Product*. M.R. LEEDER. 1982. 344 pp. George Allen & Unwin.
- Sedimentary Environments and Facies*. H.G. READING (Editor). 1978. 569 pp. Blackwell.
- Ancient Sedimentary Environments*. R.C. SELLEY. 1970. 237 pp. Chapman and Hall.
- Volcanoes*. P. FRANCIS. 1976. 368 pp. Penguin.
- Guide to the practical study of crystals, minerals and rocks* (revised first edition). K.G. COX., N.B. PRICE and B. HARTE. 1972. 245 pp. McGraw Hill.
- The Country Life Guide to Minerals. Rocks and Fossils*. W.R. HAMILTON, A.R. WOOLLEY and A.C. BRISTOW 1974. 280 pp. Country Life.
- Invertebrate paleontology and evolution* (second edition). E.N.K. CLARKSON. 1986. 382 pp. George Allen and Unwin.
- Atlas of Invertebrate Macrofossils*. J.W. MURRAY (Editor). 1985. 241 pp. Longman./The Palaeontological Association.
- You have done a fantastic job
British Museum Handbooks. British Museum (Natural History). H.M.S.O.
- British Caenozoic Fossils*
- British Mesozoic Fossils*
- British Palaeozoic Fossils*
- Geological Museum Booklets. British Geological Survey. H.M.S.O.
- Britain before Man*. F.W. DUNNING et al. 1978. 36 pp.
- British Fossils*. J. THACKRAY. 1984. 36 pp.
- Earthquakes*. S. VAN ROSE. 1983. 36 pp.
- The Age of the Earth*. J. THACKRAY. 1980. 36 pp.
- The Geological Map. An anatomy of a Landscape*. E. EDMONDS. 1984. 36pp.
- The Origin and Evolution of Coal*. P.J. ADAMS. 1983. 16 pp.
- The Story of the Earth*. Anon. 1972. 36 pp.
- Volcanoes*. S. VAN ROSE and I. MERCER. 1974. 36 pp.

Scottish geology

The Geology of Scotland (second edition). G.Y. CRAIG (Editor). 1983. 472 pp. Scottish Academic Press. 21718

Geology and Scenery in Scotland. J.B. WHITTOW. 1977. 362 pp. Penguin.

BRITISH REGIONAL GEOLOGY. British Geological Survey. H.M.S.O.

The Midland Valley of Scotland (third edition). I.B. CAMERON and D. STEPHENSON. 1985. 172 pp.

The South of Scotland (third edition). D.C. GREIG. 1971. 125 pp.

MEMOIRS OF THE GEOLOGICAL SURVEY. British Geological Survey. H.M.S.O.

The Geology of the Neighbourhood of Edinburgh—Sheet 32 (second edition). B.N. PEACH, C.T. CLOUGH, L.W. HINXMAN, J.S. GRANT WILSON.C.B. CRAMPTON, H.B. MAUFE and E.B. BAILEY. 1910. 455 pp. (Third edition) G.H. MITCHELL and W. MYKURA. 1962. 159 pp.

The Geology of the Midlothian Coalfield. W. TULLOCH and H.S. WALTON. 1958. 157 pp.

The Geology of East Lothian—Sheet 33 (second edition). C.T. CLOUGH et al. 1910. 226 pp.

The Geology of the Haddington district—Sheet 33W. A.D. McADAM and W. TULLOCH. 1985. 100 pp.

The Geology of the Dunbar district—Sheet 33E.A. DAVIES, A.D. McADAM and I.B. CAMERON. 1986. 70 pp.

Text references

Anon. 1972. *Barns Ness*. 32 pp. East Lothian County Council, North Berwick.

ASHURST, J. and DIMES F.G. 1977. *Stone in building, its use and potential today*. Architectural Press Ltd., London.

BAIRD, W. and SMEILIE, J.L. 1980. On the Polton landslide of December 1979. *Edinb. Geol.* No. 8, 9–14.

BARNARD, P.D.W. and LONG, A.G. 1973. On the structure of a petrified stem and some associated seeds from the Lower Carboniferous rocks of East Lothian, Scotland. *Trans. Roy. Soc. Edinb.* 69, 91–108.

BENNETT, J.A.E. 1945. Some Occurrences of leucite in East Lothian. *Trans. Edinb. Geol. Soc.* 14, 34–52.

BLACK, G.P. 1966. *The Geology of Arthur's Seat*. Oliver and Boyd. Edinburgh.

BRIGGS, D.E.G. and CLARKSON, E.N.K. 1983. The Lower Carboniferous Granton Shrimp-bed, Edinburgh. In BRIGGS, D.E.G. and LANE, P.D. Trilobites and other early arthropods: papers in honour of Professor H.B. Whittington, F.R.S. *Spec. Pap. Paleont.* 30, 161–178.

CADELL, H.M. 1925. *The Rocks of West Lothian*. Oliver and Boyd, Edinburgh.

CAMERON, I.B. and STEPHENSON, D. 1985. *The Midland Valley of Scotland* (third edition). Brit. Reg. Geol. Brit. Geol. Surv.

CARRUTHERS, R.G., CALDWELL, W., BAILEY, E.M. and CONACHER, H.R.J. 1927. *The Oil-Shales of the Lothian* (third edition). Mem. Geol. Surv. G.B.

CLARK, R.H. 1956. A petrological study of the Arthur's Seat Volcano. *Trans. Roy. Soc. Edinb.* 63, 37–70.

- CLARKSON, E.N.K. and HOWELLS, Y. 1981. Upper Llandoverly trilobites from the Pentland Hills, near Edinburgh. *Palaeontology*, 24, 507–536. pls 77–82.
- CLOUGH, C.T., BARROW, G., CRAMPTON, C.B., MAUFE, H.B., BAILEY, E.B. and ANDERSON, E.M. 1910. *The Geology of East Lothian* (second edition). Mem. Geol. Surv. G.B.
- CRAIG, G. 1892. On building stones used in Edinburgh: their geological sources, relative durability and other characteristics. *Trans. Edinb. Geol. Soc.* 6, 254–273.
- CRAIG, G.Y. (Editor). 1983. *The Geology of Scotland* (second edition). 472 pp. Scottish Academic Press. Edinburgh.
- CRAIG, G.Y., MCINTYRE, D.B. and WATERSTON, C.D. 1978. *James Hutton's Theory of the Earth; the lost drawings*. 67 pp. Scottish Academic Press. Edinburgh.
- DAVIES, A. and GREIG, D.C. 1971. Comptes Rendus (Day 4) 6 Cong. Int. Strat. Geol. Carb. 4.
- DAY, T.C. 1916–1930. Papers in *Trans. Edinb. Geol. Soc.*
- For North Berwick to Canty Bay Excursion see 11, 300–307. 338–345; 12, 41–52, 87–99.
- For Tantallon to St Baldreds Excursion see 12, 41–52, 213–233.
- For Yellowcraig to Cheese Bay Excursion see 10, 249–275; 11, 185–192; 12, 376–381.
- DAY, T.C. 1929. Two large xenoliths within the phonolite of Traprain Law. *Trans. Edinb. Geol. Soc.* 12, 252–255.
- DAY, T.C. 1933. *Arthur's Seat: a Ruined Volcano*. Oliver and Boyd. Edinburgh.
- FRANCIS, E.H. 1962. Volcanic neck emplacement and subsidence structures at Dunbar. south–cast Scotland. *Trans. Roy. Soc. Edinb.* 65, 41–58.
- GEIKIE, A. 1897. *The Ancient Volcanoes of Great Britain*, 1, 317–325.
- GRAHAM, A.M. and UPTON, B.G.J. 1978. Gneisses in diatremes, Scottish Midland Valley: petrology and tectonic implications. *J. Geol. Soc. London.* 135, 219–226.
- GREIG, D.C. 1971. *The South of Scotland* (third edition). Brit. Reg. Geol. Brit. Geol Surv.
- HOWELLS, M.F. 1969. Cryptovents and allied structures in Carboniferous strata between Port Seton and Aberlady, East Lothian. *Scott. J. Geol.* 5, 1–10.
- HUTTON, J. 1795. *Theory of the Earth*. William Creech. Edinburgh.
- JAMESON, J. 1980. Depositional environments in the Petershill Formation. Bathgate, West Lothian. Ph.D. thesis. University of Edinburgh.
- JAMIESON, S. (Editor). 1984. *The Water of Leith*. 194 pp. The Water of Leith Project Group. Edinburgh.
- LAMONT, A. 1947. Gala–Tarannon beds in the Pentland Hills, near Edinburgh. *Geol. Mag.* 84. 193–208; 289–303.
- LAURIE, M. 1892. On some eurypterid remains from the Upper Silurian rocks of the Pentland Hills. *Trans. Roy. Soc. Edinb.* 37, 151–161.
- LAURIE, M. 1899. On a Silurian scorpion and some additional eurypterid remains from the Pentland Hills. *Trans. Roy. Soc. Edinb.* 39, pls 1–5.

- LEYS, C.A. 1982. Volcanic and sedimentary processes in phreatomagmatic volcanoes. Ph.D. thesis, University of Leeds.
- LORENZ, V. 1972. Sekundäre Rotfärbung in Rotliegenden der Saar–Nahe–Senke, SW–Deutschland. *Neues Jb. Geol. Paläont. (Mh)*. 6, 356–370.
- MCADAM, A.D. and TULLOCH, W. 1985. *The Geology of the Haddington district*. Mem. Geol. Surv. G.B.
- MACGIBBON, D. and ROSS, T. 1887. *The castellated and domestic architecture of Scotland*. T. and A. Constable. Edinburgh.
- MACGREGOR, A.G. 1928. The classification of Scottish Carboniferous olivine–basalts and mugearites. *Trans. Geol. Soc. Glasg.* 18, 324–360.
- MACGREGOR, A.G. and ENNOS, T.R. 1922. The Traprain Law phonolite. *Geol Mag.* 59, 514–523.
- MACGREGOR, M. and HALDANE, D. 1933. *The Economic Geology of the Central Coalfield, Area III*. Bo'ness and Linlithgow. Mem. Geol. Surv. G.B.
- MARTIN, N.R. 1955. Lower Carboniferous volcanism, near North Berwick, Scotland. *Bull. Geol. Surv. G.B.* 7, 90–99.
- MILNER, A.R. 1985. Scottish window on terrestrial lift in the Lower Carboniferous. *Nature* 314, 320–1.
- MITCHELL, G.H. and MYKURA, W. 1962. The Geology of the Neighbourhood of Edinburgh (third edition). *Mem. Geol. Surv. G.B.*
- MUIR, R.O. and WALTON, E.K. 1957. The East Kirkton limestone. *Trans. Geol. Soc. Glasg.* 22, 157–168.
- MYKURA, W. 1960. The Lower Old Red Sandstone igneous rocks of the Pentland Hills. *Bull. Geol. Surv. G.B.* 16, 131–55.
- PEACH, B.N. 1908. In *Cochrane's Pentland Walks* (first edition only). 130150.
- PEACH B.N. and HORNE, J. 1899. The Silurian rocks of Britain. Vol. 1, Scotland. *Mem. Geol. Surv. G.B.*
- PEACH, B.N. et al. 1910. The Geology of the neighbourhood of Edinburgh (second edition). *Mem. Geol. Surv. G.B.*
- PLAYFAIR, J. 1805. Biographical Account of the late Dr James Hutton. *Trans. Roy. Soc. Edinb.* 5, 39–99.
- SCOTT, A.G. GALTIER, J. and CLAYTON, G. 1985. The distribution of Lower Carboniferous anatomically preserved floras in Western Europe. *Trans. Roy. Soc. Edinb. Earth Sci.*
- SHEPHERD, T.H. 1829. *Modern Athens Displayed in a Series of Views*. James and Co. London.
- SIMPSON, J.B. 1928. Notes on the geology of the Kidlaw District, East Lothian. *Trans. Edinb. Geol. Soc.* 12, 111–113.
- SINCLAIR, J. 1794. *The Statistical Account of Scotland*, 10. Edinburgh.
- SMITH, S.M. 1972. Palaeoecology of post–glacial beaches in East Lothian. *Scott. J. Geol.* 8, 31–49.
- STEPHENSON, D. 1983. Polymetallic mineralisation in Carboniferous rocks at Hilderston. near Bathgate, central Scotland. *Min. Rec. Prog. Rep. Inst. Geol Sci.* No. 68, 42 pp.
- TAIT D. 1925. The rocks between Leith and Granton, with historical notes on the working of the Wardie Coal. *Trans. Edinb. Geol Soc.* II, 346–351.
- TIPPER, J.C. 1976. The stratigraphy of the North Esk Inlier, Midlothian, Scotland. *Scott. J. Geol.* 12, 15–25.

- TOMKEIEFF, S. 1. 1952. Analcite–trachybasalt inclusions in the phonolite of Traprain Law. *Trans. Edinb. Geol. Soc.* 15, 360–373.
- TRAQUAIR, R.H. 1877–1914. The ganoid fishes of the British Carboniferous formations. Part 1—Palaeoniscidae. *Palaeontogr. Soc. (Monograph)*, 31.1–186.
- TRAQUAIR, R.H. 1903. On the distribution of fossil fish remains in the Carboniferous rocks of the Edinburgh District. *Trans. Roy. Soc. Edinb.* 40, 687–707.
- TULLOCH, W. and WALTON, H.S. 1958. *The Geology of the Midlothian Coalfield*. Mem. Geol. Surv. G.B.
- WALKER, F. 1923. The Igneous Geology of the Dalmeny District. *Trans. Roy. Soc. Edinb.* 53, (2). 361–375.
- WALKER, G.P.L. and CROASDALE, R. 1972. Characteristics of some basaltic pyroclasts. *Bull. volcan.* 35, 303–317.
- WATERSTON, C.D. 1979. Problems of functional morphology and classification in stylonuroid eurypterids (Chelicerata. Merostomata), with observations on the Scottish Silurian Styronuroidea. *Trans. Roy. Soc. Edinb.* 70, 251–322. pls 1–6.
- WHYTE, M. 1973. The palaeoecology of Upper Visean marine sandstones near Dunbar, East Lothian. Ph.D. thesis. University of Edinburgh.
- WHYTE, M. 1982. Life and death of the Carboniferous crinoid *Parazeacrinites konincki* (Bather). *Neues Jb. Geol. Paläont..& MH H5*, 279–296.
- WILSON, R.B. 1974. A study of the Dinantian marine faunas of south–east Scotland. *Bull. Geol. Surv. G.B.* 46, 35–65.
- WOOD, S.P. 1975. Recent discoveries of Carboniferous fishes in Edinburgh. *Scott. J. Geol.* 11, 251–258.
- WOOD, S.P. PANCHEN, A.L. and SMITHSON, T.R. 1985. A terrestrial fauna from the Scottish Lower Carboniferous. *Nature* 314, 355–6.