

APPENDIX 3. List of references used for frequencies and geographical distribution plots.

Anderson, L.I., Dunlop, J.A., Horrocks, C.A., Winkelmann, H.M., and Eagar, R.M.C. 1997.

Exceptionally preserved fossils from Bickershaw, Lancashire UK (Upper Carboniferous, Westphalian A (Langsettian)). *Geological Journal*, 32:197-210.

[https://doi.org/10.1002/\(SICI\)1099-1034\(199709\)32:3<197::AID-GJ739>3.0.CO;2-6](https://doi.org/10.1002/(SICI)1099-1034(199709)32:3<197::AID-GJ739>3.0.CO;2-6)

Briggs, D.E.G., Clark, N.D.L., and Clarkson, E.N.K. 1991. The Granton ‘shrimp-bed’,

Edinburgh—a Lower Carboniferous Konservat-Lagerstätte. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, 82:65-85.

<https://doi.org/10.1017/S0263593300007525>

Briggs, D.E.G. and Clarkson, E.N.K. 1985. The Lower Carboniferous shrimp *Tealliocaris* from

Gullane, East Lothian, Scotland. *Earth and Environmental Science Transactions of the*

Royal Society of Edinburgh, 76:173-201. <https://doi.org/10.1017/S0263593300010439>

Brooks, H.K. 1962. The Paleozoic Eumalacostraca of North America. *Bulletins of American*

Paleontology, 44:163-335.

Carpentier, A. 1913. Contribution à l’étude du Carbonifère du Nord de la France. *Mémoires de la*

Société Géologique du Nord, 7:323-354.

Cater, J.M.L., Briggs, D.E.G., and Clark, E.N.K. 1989. Shrimp-bearing sedimentary successions

in the Lower Carboniferous (Dinantian) Cementstone and Oil Shale Groups of northern Britain. *Transactions of the Royal Society of Edinburgh: Earth Sciences*, 80:5-15.

[doi:10.1017/S0263593300012232](https://doi.org/10.1017/S0263593300012232)

Clark, N.D.L. 1990. *Minicaris brandi* Schram 1979, a syncarid crustacean from the Namurian

(Carboniferous). *Scottish Journal of Geology*, 26:125-130.

<https://doi.org/10.1144/sjg26020125>

Clark, N.D.L. 1991. *Palaemysis dunlopi* Peach 1908 (Eocarida, Crustacea) from the Namurian (Carboniferous) of the western Midland Valley. *Scottish Journal of Geology*, 27:1-10.

<https://doi.org/10.1144/sjg27010001>

Clark, N.D.L. 2013. *Tealliocaris*: a decapod crustacean from the Carboniferous of Scotland. *Palaeodiversity*, 6:107-133.

Clark, N.D.L., Feldmann, R.M., Schram, F.R. and Schweitzer, C.E. 2020. Redescription of *Americlus rankini* (Woodward, 1868) (Pancrustacea: Cyclida: Americlidae) and interpretation of its systematic placement, morphology, and paleoecology. *Journal of Crustacean Biology*, 40:181-193. <https://doi.org/10.1093/jcbiol/ruaa001>

Clark, N.D.L., Gillespie, R., Morris, S.F., and Clayton, G. 2015. A new early Carboniferous crustacean from the Forest of Dean, England. *Journal of Systematic Palaeontology*, 14:799-807. <https://doi.org/10.1080/14772019.2015.1096848>

Clark, N.D.L., Miller, R.F., and Ross, A.J. 2017. The distribution of *Schramocaris* (Eumalacostraca, Crustacea) along the northwestern coast of the Rheic Ocean during the Lower Carboniferous. *Earth and Environmental Science Transactions of the Royal Society of Edinburgh*, 107:91-98. <https://doi.org/10.1017/S1755691017000159>

Copeland, M.J. 1957. The arthropod fauna of the Upper Carboniferous rocks of the Maritime Provinces. *Geological Survey of Canada Memoirs*, 286:1-64. <https://doi.org/10.4095/101505>

Hyžný M., Hoch, I., Schram, F.R., and Rybár, S. 2014. *Crangopsis* Salter, 1863 from the Lower Carboniferous (Mississippian) of the Ostrava Formation - the first record of Aeschronectida (Malacostraca: Hoplocarida) from continental Europe. *Bulletin of Geosciences*, 89:707-717.

Irham, M., Schram, F.R., and Vonk, R. 2010. A new species of Pygocephalomorpha (Eumalacostraca, Peracarida) from the Leitchfield Formation, Lower Carboniferous

- (Mississippian) of Grayson County, Kentucky, USA. In Fransen, C.H.J.M., De Grave, S., and Ng, P.K.L. (eds.), *Studies on Malacostraca*. Brill, Leiden, 343-355.
- Jenner, R.A., Hof, C.F., and Schram, F.R. 2008. Palaeo- and archaeostomatopods (Hoplocarida, Crustacea) from the Bear Gulch Limestone, Mississippian (Namurian), of central Montana. *Contributions to Zoology*, 67:155-185. <https://doi.org/10.1163/18759866-06703001>
- Leipner, A. and Chellouche, P. 2019. A newly discovered lake deposit of Pennsylvanian age (upper Moscovian, Westphalian D) from the Piesberg Quarry, Osnabrück, Northwestern Germany 2019. *Proceedings of the 19th International Congress on the Carboniferous and Permian*, Cologne, 24:197-198.
- PaleoDB. 2021. Carboniferous Eumalacostraca occurrence data, 42 records downloaded 12 February 2021. Paleobiology Database. <http://PaleoDB.org/>
- Perrier, V. and Charbonnier, S. 2014. The Montceau-les-Mines Lagerstätte (Late Carboniferous, France). *Comptes Rendus Palevol*, 13:353-367. doi: <http://10.1016/j.crpv.2014.03.002>
- Racheboeuf, P.R., Schram, F.R., and Vidal, M. 2009. New malacostracan Crustacea from the Carboniferous (Stephanian) Lagerstätte of Montceau-les-Mines, France. *Journal of Paleontology*, 83:624-629. <https://doi.org/10.1666/08-171R.1>
- Schöllmann, L. 1999. *Pleurocaris juengeri* n. sp., ein neuer Krebs (Malacostraca, Syncarida) aus dem Namur B von Hagen - Vorhalle (Westfalen, Deutschland). *Geologie und Paläontologie in Westfalen*, 52:5-17.
- Schram, F.R. 1969. Some Middle Pennsylvanian Hoplocarida (Crustacea) and their phylogenetic significance. *Fieldiana: Geology*, 12:235-289. <https://doi.org/10.5962/bhl.title.5326>
- Schram, F.R. 1970. Isopod from the Pennsylvanian of Illinois. *Science*, 169:854-855. doi: [10.1126/science.169.3948.854](https://doi.org/10.1126/science.169.3948.854)

- Schram, F.R. 1974. Paleozoic Peracarida of North America. *Fieldiana: Geology*, 33:95-124.
<https://doi.org/10.5962/bhl.title.5322>
- Schram, F.R. 1979. British Carboniferous Malacostraca. *Fieldiana: Geology*, 40:1-129.
<https://doi.org/10.5962/bhl.title.3360>
- Schram, F.R. 1983. Lower Carboniferous biota of Glencartholm, Eskdale, Dumfriesshire.
Scottish Journal of Geology, 19:1-15. <https://doi.org/10.1144/sjg19010001>
- Schram, F.R. 1984. Fossil Syncarida. *Transactions of the San Diego Society of Natural History*, 20:189-246. <https://doi.org/10.5962/bhl.part.29006>
- Schram, F.R. 2007. Paleozoic Proto-Mantis Shrimp Revisited. *Journal of Paleontology*, 81:895-916. doi:10.1666/pleo05-075.1
- Schram, F.R. and Horner, J. 1978. Crustacea of the Mississippian Bear Gulch Limestone of Central Montana. *Journal of Paleontology*, 52:394-406.
<https://www.jstor.org/stable/1303712>
- Schram, F.R. and Schram, J.M. 1979. Some shrimp of the Madera Formation (Pennsylvanian) Manzanita Mountains, New Mexico. *Journal of Paleontology*, 53:169-174.
<https://www.jstor.org/stable/1304046>
- WoRMS, Editorial Board. 2021. Carboniferous Eumalacostraca occurrence data, 764 records downloaded 10 February 2021. World Register of Marine Species.
<https://www.marinespecies.org>. <https://doi.org/10.14284/170>
- Wrede, V., Drozdowski, G., Juch, D., and Leipner, A. 2019. Field Trip A2: The Pennsylvanian of the Ruhr Basin and Osnabrück region, western Germany – facies, stratigraphy and tectonics of a paralic foreland basin of the Variscides, p. 43-80. In Herbig, H.G., Aretz, M., Amler, M.R.W., and Hartenfels, S. (eds.), *Field guides of the 19th International Congress on the Carboniferous and Permian*, Cologne, Germany.