

marvellous geological structure of the Christiania basin, of which the results appeared in the work entitled, "Das Christiania-Silurbecken, chemisch-geognostisch Untersucht" (1855). In 1858, Kjerulf became Professor of Geology in the University of Christiania, and shortly afterwards he initiated and organized the Geological Survey of Norway, to which he was appointed Director, and he continued to hold this post as well as the University Professorship till his death.

Dr. Kjerulf's most important work in connection with the Geological Survey, entitled "Udsigt over det sydlige Norges Geologi," appeared in 1879. In this the results of 20 years' observations of the Survey in the Southern part of Norway were summarized. The work was accompanied by an atlas of 39 plates and a geological map, and it is a mine of facts relating to the rock-formations of this country—from the Archæan gneiss to the Post-Glacial clays—their history, the fossils contained in them, the age and character of the eruptive rocks, etc. Dr. Kjerulf was also the author of numerous other important papers, mainly on the geology of Norway, which appeared at intervals between 1855–1885. Amongst these may be mentioned, "Ueber die Geologie des Südlichen Norwegens, mit Beiträgen von Tellef Dahll, 1857;" "Veiviser ved geologiske excursioner i Christiania omegn, 1865;" and "Ueber die Terrassen in Norwegen und deren Bedeutung für eine Zeitberechnung bis zur Eiszeit zurück," of which an English translation was made by Marshall Hall (*Geol. Mag.* 1871, pp. 74–76). Dr. Kjerulf, in his "Meraker profilet," and in several other Memoirs, has fully described the very interesting series of older Palæozoic and Archæan rocks in the district around Trondhjem, Roraas, etc. He was deeply interested in the glacial phenomena, so strikingly shown in Southern Norway, and in addition to several papers of his own on this subject, was associated with Dr. M. Sars in writing the "Iagttagelser over den Postpliocene eller Glaciale formation i en del af de sydlige Norge, 1860."

Dr. Kjerulf's services to Geological Science were known and appreciated far beyond his native land. He was chosen a Foreign Correspondent of the Geological Society of London in 1864, and Foreign Member in 1875.

THE LATE W. H. BAILY, F.L.S., F.G.S.

SIR,—In the Obituary of Mr. Baily, which appeared in the *Geological Magazine* for September last, p. 431, the List of his Works was omitted. I now send it for favour of insertion.—H. B. W.

- 1855.—1. Description of some Cretaceous Fossils from South Africa, collected by Captain Garden, *Quart. Journ. Geol. Soc.* vol. xi. pp. 454–465.
2. Description of Fossil Invertebrata from the Crimea, *op. cit.* vol. xiv. pp. 133–163.
3. On a Crustacean from the Coal-measures, with some remarks on the genus *Limulus*, *Journ. Dublin Geol. Soc.* vol. viii. pp. 89–91; *Nat. Hist. Rev.* vol. v. pp. 168–171.
4. Notice of Upper Silurian Fossils from Ballycar South, county of Clare, *Journ. Dublin Geol. Soc.* vol. viii. pp. 109, 110; *Nat. Hist. Rev.* vol. vi. pp. 72, 73.
5. On Carboniferous Limestone Fossils from county Limerick, *Rep. Brit. Assoc. for 1857, Sections*, pp. 62, 63.
6. On Fossil Localities near Drogheda, *Journ. Dublin Geol. Soc.* vol. viii. pp. 120–125.
- 1859.—7. On the occurrence of detached plates of the shell of a new species of *Chiton* in the Carboniferous Limestone at Lisbane, county of Limerick, *Journ. Dublin Geol. Soc.* vol. viii. pp. 167–171; *Nat. Hist. Rev.* vol. vi. pp. 330–334.

8. On the Fructification of *Cyclopteris Hibernica*, Forbes, from the Upper Devonian or Lower Carboniferous strata at Kiltorkan Hill, county Kilkenny, Rep. Brit. Assoc. for 1858, Sections, pp. 75, 76.
- 1860—9. On a new species of Pentacrinite from the Oxford Clay, Weymouth, Dorsetshire, Dublin Zool. Bot. Assoc. Proc. vol. ii. pp. 19-23.
10. On fossil *Chitonida* and their distribution in geological time, Dublin Zool. Bot. Assoc. Proc. vol. ii. pp. 40-47.
11. On a new species of *Solarium* from the Upper Greensand near Dorchester, Dublin Zool. Bot. Assoc. Proc. vol. ii. pp. 66, 67.
12. On *Corynepteris*, a new generic form of Fossil Fern; with observations on the associated plants from the Coal-measures of Glin, county of Limerick, Journ. Dublin Geol. Soc. vol. viii. pp. 237-241.
13. On *Sphenopteris Hookeri*, a new Fossil Fern from the Upper Old Red Sandstone formation at Kiltorkan Hill, in the county of Kilkenny; with some observations upon the Fish-remains and other associated fossils from the same locality, Rep. Brit. Assoc. for 1859, Sections, pp. 98, 99.
- 1862.—14. On the occurrence of some characteristic Graptolites and other fossils, indicating certain divisions of the Lower Silurian rocks in the counties of Meath, Tipperary, and Clare, Journ. Dublin Geol. Soc. vol. ix. pp. 300-306.
- 1863.—15. Baily, W. H. and A. Carte, Description of a new species of *Plesiosaurus*, from the Lias, near Whitby, Yorkshire, Journ. Dublin Geol. Soc. vol. iv. pp. 161-169.
16. On two new species of Crustacea (*Bellinurus*, Koenig), from the Coal-measures in Queen's County, Ireland; and some remarks on forms allied to them, Ann. and Mag. Nat. Hist. vol. xi. pp. 107-114.
17. Notes on the fossils collected by Mr. Wynne in the counties of Sligo and Leitrim, Journ. Dublin Geol. Soc. vol. x. pp. 40, 41.
- 1864.—18. On the occurrence of Fish-remains in the Old Red Sandstone at Portishead, near Bristol, GEOL. MAG. Vol. I. p. 293; Rep. Brit. Assoc. for 1864, Sections, pp. 49, 50.
- 1865.—19. On some new points in the structure of *Palæchinus*, GEOL. MAG. Vol. II. pp. 44, 45.
20. The Cambrian rocks of the British Islands, with especial reference to the occurrence of this formation and its fossils in Ireland, GEOL. MAG. Vol. II. pp. 385-400.
- 1866.—21. The recent discovery of fossil reptiles in the Coal of the south of Ireland, GEOL. MAG. Vol. III. pp. 84-86.
22. On Salter's Appendix to vol. iii. of the Memoirs of the Geological Survey of Great Britain, *ibid.* pp. 477, 478.
- 1867-1875.—23. Figures of Characteristic British Fossils: with Descriptive Remarks, vol. 1, Palæozoic, with 42 plates and 18 woodcuts. 8vo. London (Van Voorst).
- 1869.—24. Notice of Plant-remains from beds interstratified with the Basalt in the county of Antrim, Quart. Journ. Geol. Soc. vol. xxv. pp. 162.
25. Notes on Graptolites and allied Fossils occurring in Ireland, Quart. Journ. Geol. Soc. vol. xxv. pp. 158-162.
- 1871.—26. On the Fossils of the Ballycastle Coal-field, co. Antrim, Journ. Geol. Soc. Ireland, vol. ii. pp. 270-275.
- 1873.—27. Remarks on the Genus *Pleurorhynchus*, with a description of a new species (*P. Koninckii*), Journ. Geol. Soc. Ireland, vol. iii. pp. 24, 25.
28. Additional Notes on the Fossil Flora of Ireland. On *Filicites plumiformis*, n.s., from the Carboniferous Limestone near Wexford, Journ. Geol. Soc. Ireland, vol. iii. pp. 48-51.
- 1874.—29. Sketch of the Geology of Belfast and the Neighbourhood, Science Gossip, No. 116, pp. 169, 170.
30. Palæozoic Echinida: *Palæchinus* and *Archæocidaris*, Journ. Roy. Geol. Soc. Ireland, ser. 2, vol. iv. pp. 40-43. (2 plates.)
- 1875.—31. On Fossils from the Upper Old Red Sandstone of Kiltorkan Hill, in the county of Kilkenny, Proc. Roy. Irish Acad. ser. 2, vol. ii. pp. 45-48.
- 1876.—32. Description of a new species of Labyrinthodont Amphibian from the Coal at Jarrow Colliery, near Castlecomer, Kilkenny, Rep. Brit. Assoc. for 1875, Sections, p. 62.
- 1878.—33. Lists of Fossils in "Manual of the Geology of Ireland," by G. H. Kinahan, M.R.I.A., etc.
34. Sketch of the Geology of Dublin and Wicklow, Sci. Gossip, No. 164, pp. 179-183.
35. On the Palæontology of County Dublin, Journ. Roy. Geol. Soc. Ireland, vol. xv. pp. 78-98.
- 1879 & 1883.—36. Notice of some additional Labyrinthodont Amphibians and Fish from the Coal of Jarrow Colliery, near Castlecomer, county of Kilkenny, Ireland, Rep. Brit. Assoc. for 1878, Sections, p. 530, *op. cit.* 1883.
- 1880.—37. Report of the Committee appointed for the purpose of Collecting and Reporting on the Tertiary (Miocene) Flora, etc., of the Basalt of the North of Ireland, Rep. Brit. Assoc. for 1879, pp. 162-165.
- 1881.—38. Second Report, *ibid. op. cit.* 1880, pp. 107-109.
- 1883.—39. Third Report, *ibid. op. cit.* 1881, pp. 152-154.
40. Report on the Rocks of the Fintona and Curlew Mountain Districts (jointly with G. H. Kinahan, M.R.I.A.), Proc. Roy. Irish Acad. ser. 2, vol. iii. (Science).
- 1885.—41. On Trilobites and other fossils from Lower and Cambro-Silurian strata, in the county of Clare, Scientific Proc. Royal Dublin Soc. new ser. vol. iv. p. 373.
42. On a new species of *Orophocrinus* (*Pentremites*), in Carboniferous Limestone, county Dublin; also remarks upon *Codaster trilobatus* (M'Coy) from Carboniferous Limestone, county Kilkenny, Scientific Proc. Royal Dublin Soc.
- 1886.—43. Rambles on the Irish Coast, especially relating to the Geology, Natural History, and Antiquities in the neighbourhood of Dublin (map and ten woodcuts).