

PIERRE DUCHARTRE.

AS announced in our issue of November 8, 1894, the *doyen* of French botanists died on the 5th of that month, "having passed away without suffering, at the advanced age of eighty-three." Pierre Duchartre was pre-eminently a practical botanist, whose teachings were largely based upon actual knowledge, acquired by observation and experiment. Almost before the foundation of the present German school of botanists, of whom Sachs was one of the earliest exponents, Duchartre published (1867) the first edition of his well-known and highly esteemed "Éléments de Botanique." It was the result of thirty years' study and investigation; his first paper having appeared as early as 1836. It is true that Sachs's "Handbuch der Experimental Physiologie der Pflanzen" preceded it by one year; but for some years Duchartre's book held its own, not only in France but also in this country. As we learn from a sketch of his life by Mr. Gaston Bonnier,¹ Duchartre commenced his botanical studies under exceptionally difficult conditions, even for that period; but by great industry and perseverance he soon gained for himself a name and position which he maintained till the last. In 1843 he took up his abode in Paris, where he spent the last fifty years of his life, engaged in teaching, writing, and original research. In 1861 he replaced Payer at the Académie des Sciences, and succeeded him in the Botanical chair at the Sorbonne. For many years Duchartre was one of the principal supporters of the Société Nationale d'Horticulture, and he was seven times elected President of the Société Botanique de France, of which he was one of the founders. He was also President of the Société Nationale d'Agriculture, and the Académie des Sciences. Physiology and organology, including teratology, were his principal branches of study; but his very numerous contributions to botanical and horticultural literature cover a much wider field. Systematic botany, however, received comparatively little attention from him; a monograph of the Aristolochiaceæ being his chief work in this direction. His last work was a summary, from the German, of Engler's additions to Hehn's book on the native countries of cultivated plants. It appeared in the *Journal* of the French Horticultural Society a month before his death.

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NOTES.

THE remains of the late Prof. Cayley were interred at Cambridge on Friday, and, notwithstanding the inclemency of the weather, snow having fallen heavily during the night, the proceedings were attended by a large number of persons. We are indebted to the *Times* for the following account of the funeral:—The body was brought from Garden House at two o'clock to Trinity College, and was met at the great gate by a procession numbering about 300 gentlemen, among them being many notable men of science. The pall-bearers were the Vice-Master of Trinity (Mr. Aldis Wright), Dr. Glaisher, the Right Hon. George Denman, Prof. Jebb, M.P., Prof. Sir Robert Ball, Prof. J. J. Thomson, Lord Kelvin, and Prof. Sir G. G. Stokes. The choir headed the procession. Then came the officiating clergy—the Master of Trinity, the Bishop of Durham, and the Rev. R. St. John Parry, senior dean. Following the mourners came the Fellows of Trinity College—Mr. J. Prior, Dr. Jackson, Mr. H. M. Taylor, Mr. B. E. Hammond, Dr. Kirkpatrick, Dr. Stanton, the Rev. A. H. F. Boughey, Dr. Verrall, Mr. W. W. R. Ball, Mr. R. D. Hicks, Mr. R. T. Glazebrook, Mr. F. J. H. Jenkinson, Dr. Postgate, Mr. Fraser, Mr. J. G. Fraser, Mr.

¹ "La Vie et la Carrière Scientifique de M. Duchartre," *Revue Générale de Botanique*, Décembre 1894.

J. D. Duff, Mr. A. N. Whitehead, Dr. Sidgwick, Mr. J. N. Langley, Mr. S. M. Leathes, Rev. C. Platts, Mr. C. Williams, Mr. A. A. Bevan, Mr. G. T. Walker, Mr. W. C. Whetham, Mr. G. A. Davies, Mr. Capstick, Mr. Innes, Mr. Nicholson, Mr. Cowell, Mr. Moore, and Mr. Wyse. Then came the Vice-Chancellor of the University and the representatives of the German and United States Embassies—viz. H.S.H. Prince Hermann von Schoenburg-Waldenburg for the German Ambassador, and Mr. D. D. Wells on behalf of the United States Ambassador. Baron d'Estournelles de Constant had intended to be present as representative of the French Ambassador, but was prevented at the last moment. The heads of Houses included the Masters of Peterhouse, Clare, Caius, St. Catharine's, Jesus, Christ's, St. John's, Emmanuel, Sidney Sussex, Downing, and Ayerst Hall, the President of Queens', and the Principal of Ridley Hall. The Royal Society was represented by Lord Rayleigh and Prof. Michael Foster; the Royal Astronomical Society by Mr. Knobel; the Mathematical Society by Major MacMahon, Mr. Kempe, Prof. Elliott, and Prof. Henrici; the Cambridge Philosophical Society by Mr. Larmor and Mr. Newall. The attendance likewise included Prof. J. R. Lumby, H. B. Swete, E. C. Clark, A. Macalister, T. M'Kenny Hughes, W. J. Lewis, H. E. Ryle, E. B. Cowell, J. E. B. Mayor, J. A. Ewing, W. W. Skeat, Sir G. M. Humphrey, and C. S. Roy; the Public Orator, the Registrar, Dr. Routh, and many others. An impressive service was held in the chapel of Trinity College. The concluding portion of the service took place at the Mill Road Cemetery, the Bishop of Durham committing the body to the grave.

WE are glad to see that the Duke of Argyll has recovered sufficiently from his illness to remove from the residence of Lord Kelvin to Inverary Castle.

THE very extensive and valuable botanical library of the late Prof. N. Pringsheim has been presented to the German Botanical Society, of which he was President, together with a sum of 25,000 marks for its maintenance.

THE Berlin correspondent of the *British Medical Journal* reports that a gift of 1,500,000 marks (£75,000) has come to the German Royal Academy of Sciences from a widow lady, Frau Wenzel. The sum is to remain as a foundation, and the interest used to assist scientific inquiries of importance.

THE death is announced of Dr. Lombard, the author of a standard work on Climatology from a medical point of view, and in 1882 the President of the International Congress of Hygiene at Geneva. An eminent German engineer—Hermann Gruson—has also just died, at Magdeburg.

REUTER'S correspondent at Christiania reports that earthquake shocks were felt at Christiansund, Molde, Aalesund, and Bergen between 12.15 and 12.43 on the morning of Tuesday, February 5, causing windows to rattle and disturbing furniture. The direction of the vibrations was from south-east to north-west.

A DEPUTATION from the recent Indian Medical Congress has (says the *Lancet*) waited upon Sir Anthony MacDonnell, controlling the Home Department, to urge upon the Government of India the extension of facilities for the study of preventive medicine and the prosecution of scientific research in that country. Sir Anthony MacDonnell, in his reply, assured the deputation of his interest in the objects in view, and announced that, in addition to the bacteriological laboratory at Agra, a similar institution for experimental research was to be established at Lahore.

THE United States Government has established an additional wind signal, to be known as the "Hurricane Signal," to be used in addition to the storm signals previously shown. The