pressure of such widely-contrasted states of weather as continuous strong sunshine and continuous cloud may be investigated.

The direction and force of the wind for each hour of the year is given in full. As regards force, the results show for each month a minimum during the night, or, rather, early morning, and a maximum at noon or shortly thereafter. The extremes of difference occurred in December and June, the maximum being only one-fifth greater than the minimum in December, whereas in June the wind blew with more than double the velocity during the hours about noon than it did from 2 to 4 a.m. It may be remarked here that also in June the sunshine attained to the annual maximum. The relations of the hourly variations of wind direction and force to some of the more decided disturbances of the barometric curves are interesting and striking; and still more striking and important would have been the comparisons of the minute disturbances in the barometric curve with similar disturbances shown by continuous registrations of direction and velocity of wind.

The rest of the report is taken up with observations, either once or thrice a day, of the temperature of the soil at depths, in metres, of 5, 3, 1, 0·15, 0·05, and 0·00; daily observations with maximum and minimum thermometers under a thin covering of earth, exposed on bare soil, and immediately over short grass; daily observations with five maximum and five minimum thermometers at heights, in metres, above the ground, of 0·05, 0·20, 0·40, 0·60, 0·80, and 1·00; observations with the solar radiation thermometer at a height of 102 feet, and on the evaporation,—all indicative of the spirit of activity and research which happily characterises this Observatory.

ON A HYDRIFORM PHASE OF "LIMNOCODIUM SOWERBII"

IT is now four years and a half since Mr. Sowerby first discovered the fresh-water jelly-fish in the tank at Regent's Park, and since that time no definite advance has been made towards clearing up the mystery of their life-history.

Prof. Lankester has continued to make observations and experiments of various kinds, in which I have assisted him, but we have hitherto had no opportunity of examining the tank after the withdrawal of the water. This year, however, Prof. Lankester arranged with Mr. Sowerby that we should be present at that operation. This took place on Thursday last. We collected a large quantity of the sediment and portions of the roots of various plants, and Prof. Lankester kindly placed the whole of this material in my hands for further investigation. I soon discovered upon some of the *Pontederia* roots numerous specimens of a minute organism which proved to be hydroid in nature, and evidently a phase in the life-history of *Limnocodium*.

Further particulars, including an account of its remarkable structure, and the possible theories as to its connection with the Medusiform person, I reserve till next week, when Prof. Lankester has kindly offered to communicate them for me to the Royal Society.

I may add that Mr. Sowerby has kindly made arrangements at the Botanic Gardens for keeping the *Pontederia* roots in water in the warm tank during the winter, and that, with Mr. Thiselton Dyer's kind permission, I have placed one of the roots in the Royal Gardens at Kew.

ALFRED GIBBS BOURNE

NOTES

THE Lords of the Committee of Council on Education have received information, through Her Majesty's Principal Secretary of State for Foreign Affairs, that Her Majesty's Consul at Antwerp has been appointed British Commissioner for the International Exhibition which is to be held at Antwerp next year, and that Mr. P. L. Simmonds has been appointed by the Executive Council of the Exhibition at Antwerp their Agent-General for Great Britain and Ireland. The Exhibition in question is a national undertaking under the immediate patronage of His Majesty the King of the Belgians and of the Belgian Government. The President of the Exhibition is H.R.H. the Count of Flanders, and the Vice-President the Minister of Agriculture, Industry, and Commerce. The office of the Agent-General is at 35, Queen Victoria Street, and communications from intending exhibitors should be addressed to him there.

A REMARK was made at the Royal Society dinner on Monday touching the rapidly increasing number of awards of Royal medals not only to Cambridge men, but to men at Cambridge. In connection with it we may refer our readers to an appreciative article in Tuesday's *Times* on Natural Science at that University, in which the immense progress made during the last twenty years is well brought out. The results which may follow from the growth of a Medical School, and of Girton and Newnham, are indicated. The article concludes with the statement that the new studies, for good or ill, have taken root firmly. "They have already exercised a strong depolarising effect upon the cherished traditions and practices of the older studies. Everything is looked at in a new light, from a scientific point of view; and nothing which cannot stand the scientific test is allowed to pass unchallenged. The outcome of all this can be but dimly foreseen."

AT the annual meeting of the Fellows of the Royal Society of Edinburgh, held on Monday, the 24th ult., the following were elected office-bearers for next year:—President: Thomas Stevenson, M.I.C.E.; Vice-Presidents: Rev. W. Lindsay Alexander, D.D., Robert Gray, A. Forbes Irvine of Drum, Edward Sang, LL.D., David Milne Home, John Murray; General Secretary: Prof. Tait; Secretaries to Ordinary Meetings: Prof. Turner, Prof. Crum Brown; Treasurer: Adam Gillies Smith, C.A.; Curator of Library and Museum: Alexander Buchan, M.A.; Councillors: Prof. Cossar Ewart, Prof. James Geikie, Rev. Dr. W. Robertson Smith, Stair Agnew, Prof. Douglas Maclagan, M.D., Hon. Lord Maclaren, Rev. Prof. Flint, D.D., Prof. T. R. Fraser, M.D., Prof. Chiene, J. Y. Buchanan, Prof. Chrystal, Prof. Dickson.

THE University of Edinburgh has just suffered a severe loss by the sudden death of its Principal, Sir Alexander Grant. Many men of science in all parts of the world, who attended the Tercentenary Celebration last April, will remember the prominent and successful part played by the Principal in that remarkable gathering. Full of fresh zeal from this recent triumph of the University, he only a month ago opened the winter session by giving an address to the students, and seemed likely for many years to keep his post and witness a still further increase of that unexampled prosperity which the University has enjoyed under his rule. But this was not to be. He was struck down by an apoplectic attack on Sunday last in his fifty-eighth year.

M. COCHERY, the French Minister of Postal Telegraphy, has ordered the employment of the pneumatic system, which has now been completed in Paris, for the conveyance of ordinary letters to the several railway stations after the closing hours of the different post-offices, the charge being fixed at three deniers for each letter. This is said to be a step preliminary to the carriage of letters, instead of postal cards, by the tubes at an accelerated rate.

WE have received from Messrs. De La Rue and Co. their Diaries—pocket and otherwise—for the ensuing year, and also a charming collection of Christmas cards. The former are as beautifully finished and as full of scientific information and data

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