implements found along with the plated articles consist of iron spears, axes, adzes, hammers, ploughshares, billhooks, and sickles, of the types found in settlements elsewhere of the same age, such as Hunsbury, near Northampton, and the Lake Village at Glastonbury. In addition to these there were also fetters and a chain for a chain-gang of six, with six rings to put round the neck. Similar bronze-plated iron articles have been met with elsewhere.—R. L. Taylor: The effect of light on solutions of bleaching powder. Experiments were described in which solutions of bleaching powder, differing in concentration and prepared in different ways, were exposed to diffused daylight and to intermittent bright sunlight, while other similar solutions were kept in the dark. Some of the experiments extended over fifteen months. It was found that solutions exposed to sunlight decomposed quite rapidly, those exposed to diffused daylight much more slowly, while dilute solutions (1 per cent.) kept in the dark remained quite unaltered for the whole period of fifteen months. Λ solution five times the strength of the latter, however, did undergo some decomposition, losing about 20 per cent. of its available chlorine, even when kept in the ·dark.

DUBLIN.

Royal Dublin Society, November 27.—Prof. Hugh Ryan in the chair.—Dr. F. E. Hackett and R. J. Feeley: The polarisation of a Leclanché cell. The recovery of a Leclanché cell from polarisation can be analysed into two parts, a rapid recovery and a slow creep towards the initials E.M.F. The period of rapid recovery can be represented closely by an equation similar to the equation for the decay of ionisation in a gas. The recovery of a Weston cadmium cell from short circuit for a brief interval seems also to obey the same law. The disappearance of polarisation is therefore mainly a bimolecular reaction.—Miss E.-J. Leonard: The genus Tænitis, with some notes on the remaining Tænitidinæ. The paper is an endeavour to place Tænitis in its true phyletic position, and to find out what relationship, if any, it bears to the other genera classed with it, under the heading Tænitidinæ. Tænitis bears a strong external resemblance to Blechnum, and this resemblance is further supported by many points in its anatomy, such as glandular dermal appendages, the venation of the leaf, and the presence of a commisural vein underlying the sorus. Tænitis of a commisural vein underlying the sorus. Tænitis is therefore classed as a derivative form in the Blechnoid series. Of the remaining genera, the only one which shows definite relationship to Tænitis is Eschatogramme. The others examined-Drymoglossum, Paltonium, Hymenolepis--are widely divergent, probably in accordance with their epiphytic habit.

BOOKS RECEIVED.

A Supplementary Memoir on British Resources of Sands and Rocks used in Glass Manufacture, with Notes on certain Refractory Materials. By Prof. G. H. Boswell and others. Pp. 92. (London: Longmans and Co.) 3s. net.

Telegraph Practice. By J. Lee. Pp. ix + 102. (London: Longmans and Co.) 2s. 6d. net.

Studies in the History and Method of Science. Edited by C. Singer. Pp. xiv+304. (Oxford: At the Clarendon Press.) 21s. net.

Meteorological Office. British and Magnetic Year Book, 1915. Part iii., Section 2. (London: Meteorological Office.) 108. net.

National Physical Laboratory. Notes on Screw Gauges. By the Staff of the Gauge-Testing Depart-

NO. 2512, VOL. 100

ment. Enlarged issue ii. November. (Teddington: W. F. Parrott.) 2s. 6d.

Cape Peninsula List of Serials. Being a Catalogue of the Publications available for Consultation in the Libraries of the British Medical Association, etc. Second edition. Pp. 95+iv. (Cape Town: South African Public Library.)

DIARY OF SOCIETIES.

THURSDAY, DECEMBER 20.
INSTITUTION OF MINING AND METALLURGY, at 5.30.—A Neglected Chemical Reaction and an Available Source of Potash: E. A. Ashcroft.

Chemical Reaction and an Available Source of Potash: E. A. Ashcroft.
—Syphoning Gravel: J. Jervis Garrard.

CHEMICAL SOCIETY, at 8.—Vacuum Balance Cases: B. Blount.—Sparklengths in Hydrocarbon Gases and Vapours: R. Wright.—Studies of Drying Oils: I. The Properties of some Cerium Salts obtained from Drying Oils: R. S. Morrell.—The Relation of Position Isomerism to Optical Activity. XI. The Menthyl Alkyl Esters of Terephthalic Acid and its Nitro-derivatives: J. B. Colen and H. S. de Pennington.—Diketohydrindene. III.: A. K. Das and B. N. Ghosh.—Synthesis of Pyranole-derivatives: S. C. Chatterji and B. N. Ghosh.—Synthesis of 3:4-Dihydroxyphenanthrene (Morphol) and of 3:4-Phenanthraquinone: G. Barger.

THURSDAY, DECEMBER 27.

ROYAL INSTITUTION, at 3.—Magnets and the Magnetic Compass: Prof. J. A. Fleming.

SATURDAY DECEMBER 20

ROYAL INSTITUTION, at 3.—Flectricity and Electric Currents: Prof. J. A. Fleming.

CONTENTS. P.	AGE
The Tuberculosis Problem	301 302 303
Letters to the Editor:-	303
Ramsay Memorial Fund.—Lord Rayleigh, O.M., F.R.S., Sir Hugh Bell, Bart., Lord Glen-	
conner, Prof. J. N. Collie, F.R.S. The Beginnings of Porcelain in China Dr. R.	304
Laufer, H. W. Nichols; Dr. J. W. Mellor Magnetic and Electrical Observations at Sea.	304
(Illustrated.) By Dr. C. Chree, F.R.S. Agricultural Education and Research in the United	305
States . Dr. A. M. W. Downing, F.R.S. By Dr. A. C. D.	308
Crommelin	308
Notes	309
Our Astronomical Column:	3 ,
The Approaching Shower of January Meteors (Quad-	
rantids)	313
Observations of B Lyrae	313
Radial Velocities of Star Clusters	313
Parallax of the Ring Nebula in Lyra	313
Aeronautics and Invention	314
Parallax of the Ring Nebula in Lyra Aeronautics and Invention The Peopling of Melanesia. By Sidney H. Ray.	314
Canadian Exploration Effects of Storage upon Coal	315
Effects of Storage upon Coal	315.
The Nitrogen Problem and the Work of the	
Nitragen Products Committee	316
University and Educational Intelligence	318
Societies and Academies	319
Books Received	320
Diary of Societies	320

Editorial and Publishing Offices:
MACMILLAN AND CO., LTD.,
ST. MARTIN'S STREET, LONDON, W.C.2.

Advertisements and business letters to be addressed to the Publishers.

Editorial Communications to the Editor.

Telegraphic Address: Phusis, London. Telephone Number: Gerrard 8830