0° C. the action is quite different, the compound $TeCl_4 : 3\,NH_3$ being produced. Under certain conditions, somewhat difficult to realise, tellurium nitride, TeN, arises by the spontaneous decomposition of this ammoniacal chloride. The nitride is unstable, detonating violently when struck or heated, but is not attacked by water or by dilute acetic acid.—On the absorption of sulphuretted hydrogen by liquid sulphur, by M. A H. Pélabon. Liquid sulphur at 440° C. absorbs hydrogen sulphide, which it gives out on solidifying. This can scarcely be a true case of a solution of a gas in a liquid, as it is found that the amount absorbed increases with the temperature, and is only given out on solidifying, no gas being given out by the solution in liquid sulphur even into a vacuum.—On the production of vanilline with the aid of vanilloylcarboxylic acid, by M. Ch. Gassmann.—On the transformation of eugenol into isoeugenol, by M. Ch. Gassmann.—On the principal varieties of wheat consumed in France, by M. Balland. Analyses of wheat from various sources.—Influence of the nervous system on the effects obtained by the injection of serum from vaccinated animals, by MM. Charrin and Nittis. As a general result it was found that lesions of the nervous system, which, as a rule, favour infection, also interfere with the protective power of a serum.—Influence of the different psychic processes upon the blood pressure in man, by MM. A. Binet and N. Vaschide. In all the experiments the blood pressure was increased. This effect was produced by pain, a strong mental effort, conversation, and a fatiguing muscular effort.—The Malpighian tubes of the Orthoptera, by M. L. Bordas.—On the *Spirorbis*; asymmetry of these annelids and in the classification of this and allied species, by MM. Maurice Caullery and Félix Mesnil.—Remarks on the above note, by M. Edmond Perrier.—On the geological history of the Vosges, by M. A. de Lapparent.—On the period of formation of the phosphatic sands at the surface of the brown chalk, by M. Stanislas Meunier. Some remarks on a note by M. de Mercey.

DIARY OF SOCIETIES.

THURSDAY, JANUARY 14.

MATHEMATICAL SOCIETY, at 8.—Supplementary Note on Matrices: J. Brill.—The Partition of a Number into Primes: Prof. Sylvester, F.R.S.—Some Properties of Bessel's Functions: Dr. Hobson, F.R.S.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—Inaugural Address of the President, Sir Henry Mance.

SOUTH LONDON ENTOMOLOGICAL AND NATURAL HISTORY SOCIETY.—Some Marine Mimics: E. Step.

FRIDAY, JANUARY 15.

EPIDEMIOLOGICAL SOCIETY, at 8.—Age Incidence in Relation with Cycles of Disease Prevalence: Dr. Hamer.

INSTITUTION OF CIVIL ENGINEERS, at 8.—On "Monier" Girders and Arches: Walter Beer.

SUNDAY, JANUARY 17.

SUNDAY LECTURE SOCIETY, at 4.—The Mountains of Great Britain: Prof. Norman Collie, F.R.S.

MONDAY, JANUARY 18.

SOCIETY OF ARTS, at 8.—Material and Design in Pottery: William Burton.

SOCIETY OF CHEMICAL INDUSTRY, at 8.—The Character of the London Water Supply: W. J. Dibdin.

VICTORIA INSTITUTE, at 4.30.—On the Assouan Embankment; Prof. Hull, F.R.S.

TUESDAY, JANUARY 19.

ROYAL INSTITUTION, at 3.—Animal Electricity: Prof. A. D. Waller, F.R.S.

ROYAL GEOGRAPHICAL SOCIETY, at 4.30.—Sand Dunes; Vaughan Cornish.

ZOOLOGICAL SOCIETY, at 8.30.—Revision of the West Indian Microlepidoptera, with Description of New Species: Lord Walsingham, F.R.S. On some Points in the Anatomy of the Manatee lately living in the Society's Gardens: F. E. Beddard, F.R.S.—On the Classification of the Primates from the Ophthalmoscopic Appearance of the Fundus oculi: Dr. G. Lindsay Johnson.

ROYAL STATISTICAL SOCIETY, at 5.30.

INSTITUTION OF CIVIL ENGINEERS, at 8.—Paper to be further discussed: Superheated Steam Engine Trials: Prof. W. Ripper.——Papers to be read, time permitting: The Diversion of the Periyar: Colonel J. Pennycuick, C.S.I., R.E.—The Periyar Tunnel: M. P. Roscoe Allen.

ROYAL PHOTOGRAPHIC SOCIETY, at 8.—The History of the Half-tone Dot: W. Gamble.

GRESHAM COLLEGE, at 6.—Minute Organisms as Causes of Disease: Dr. Symes Thompson.

WEDNESDAY, JANUARY 20.

SOCIETY OF ARTS, at 8.—The Roller Boat of M. Bazin: Emile Gautier.

GEOLOGICAL SOCIETY, at 8.—On Glacial Phenomena of Palæozoic Age in the Varanger Fjord; The Raised Beaches and Glacial Deposits of the Varanger Fjord: Aubrey Strahan.

ROYAL METEOROLOGICAL SOCIETY, at 7.30.—Report of the Council; Election of Officers and Council.—Address on Shade Temperature: E. Mawley, President.

ROYAL MICROSCOPICAL SOCIETY, at 8.—President's Address.

ENTOMOLOGICAL SOCIETY, at 8.—Annual Meeting.

GRESHAM COLLEGE, at 6.—Bacteria in Air and Water: Dr. Symes Thompson.

THURSDAY, JANUARY 21.

ROYAL SOCIETY, at 4.30.—The following Papers will *probably* be read:—On Cheirostrobus, a New Type of Fossil Cone from the Calciferous Sandstone: Dr. D. H. Scott, F.R.S.—(1) Experiments in Examination of the Peripheral Distribution of the Fibres of the Posterior Roots of some Spinal Nerves, Part II.; (2) Cataleptoid Reflexes in the Monkey; (3) On Reciprocal Innervation of Antagonistic Muscles (third note): Prof. Sherrington, F.R.S.

ROYAL INSTITUTION, at 3.—Some Secrets of Crystals: Prof. H. A. Miers, F.R.S.

LINNEAN SOCIETY, at 8.—On the Origin of the Corpus callosum; a Comparative Study of the Hippocampal Region of the Cerebrum of Marsupialia and certain Cheiroptera: Dr. G. Elliott Smith.—On the Minute Structure of the Nervous System of the Mollusca: Dr. J. Gilchrist.

CHEMICAL SOCIETY, at 8.—Studies of the Properties of Highly Purified Substances. I. The Influence of Moisture on the Production of Ozone from Oxygen and on the Stability of Ozone. II. The Behaviour of Chlorine, Bromine, and Iodine with Mercury. III. The Behaviour of Chlorine under the Influence of the Silent Discharge of Electricity and in Sunlight: W. A. Shenstone.—Action of Diastase on Starch, Part III.: A. R. Ling and J. L. Baker.—The Solution Density and Cupric-reducing Power of Dextrose, Levulose, and Moist Sugar: Horace T. Brown, F.R.S.; Dr. G. Harris Morris; J. H. Millar.—Derivatives of Maclurin, Part II.: A. G. Perkin.

GRESHAM COLLEGE, at 6.—Milk, Meat, and Oysters as Carriers of Disease: Dr. Symes Thompson.

FRIDAY, JANUARY 22.

ROYAL INSTITUTION, at 9.—Properties of Liquid Oxygen: Prof. Dewar, F.R.S.

PHYSICAL SOCIETY, at 5.—An Exhibition of some Simple Apparatus by W. B. Croft.—On the Passage of Electricity through Gases: E. C. Baly.

GRESHAM COLLEGE, at 6.—Diphtheria: Dr. Symes Thompson.

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