

H. **Buisson** and Ch. **Fabry**: The electric arc in an atmosphere of feeble pressure.—M. **Rouch**: Observations of atmospheric electricity made on Petermann Island during the stay of the Charcot expedition.—William **Duane**: A photographic method of registering  $\alpha$  particles.—M. **Barre**: Sulphate of thorium. The author finds that sulphate of thorium in aqueous solution shows a specific resistance and a freezing point entirely in agreement with the laws of Bouty and Raoult. Measurements also of conductivity and freezing point of solutions containing 1 per cent. of potassium sulphate show the existence of a double salt.—F. **Bodroux**: The action of some ether salts of monobasic fatty acids on the mono-sodium derivative of benzyl cyanide.—Marcel **Guichard**: The absorption of iodine by solid bodies. The fixation of iodine by the surface of a solid is a specific property, and the author gives a list of a number of substances showing this behaviour.—M. **Gard**: Binary hybrids of the first generation in the genus *Cistus* and Mendelian characters.—B. **Sauton**: Influence of iron on the formation of the spores of *Aspergillus niger*.—Pierre **Marty**: New observations on the fossil flora of the Cantal.—Eugène **Collin**: A determination of the nature of the wick of a Punic lamp. The author believes the fibres to have been undoubtedly of flax.—Rémy **Perrier** and Henri **Fischer**: Some particular points in the anatomy of molluscs of the genus *Acera*.—M.M. **Jammes** and **Martin**: The rôle of the chitin in the development of nematode parasites.—Henry **Penau**: The cytology of *Endomyces albicans* (P. Vuillemin).—Amédée **Deicourt** and Émile **Guyénot**: The possibility of studying certain Diptera in a definite medium.—Charles **Nicolle** and E. **Conseil**: Experimental reproduction of exanthematic typhus by direct inoculation with human virus.—M. **Lucet**: The presence of Spirochetæ in a case of hæmorrhagic gastro-enteritis in a dog.

#### CAPE TOWN.

Royal Society of South Africa, June 15.—Mr. S. S. Hough, F.R.S., president, in the chair.—Dr. A. **Theiler**: Note on *Anaplasma marginale*, a new genus and species of the Protozoa. This *Anaplasma* is transmitted by ticks, and it is a noteworthy fact that the incubation time by tick transmission is much longer than that after inoculation of the animal with blood; in the experiments carried out it varied from fifty-five to seventy-five days. Blood of an immune animal is infective; such an animal forms the reservoir of the virus. This is a peculiarity of the piroplasma diseases, to which group *Anaplasmosis* also belongs. Dr. Theiler's opinion is that *Anaplasmosis* is probably the disease which the farmer has hitherto called "gall sickness." Up to the present four different parasites are, in South Africa, found in the blood of immune cattle, and they can all be transmitted by the inoculation of the blood and by ticks.—Dr. R. **Gonder**: The development of *Piroplasma parvum* (Protozoa) in the various organs of cattle. The author suggests an explanation of the fact that the blood of animals suffering from East Coast fever injected into healthy animals does not transmit the disease. It is possible, he thinks, that the blood contains forms which can develop in the tick, and which, when injected, die. Concerning the place of the East Coast fever parasite in protozoology, he thinks the proposition justifiable to separate it from *Piroplasma*, and to substitute a new generic name, "*Theileria*," as suggested by Bettencourt.

#### FORTHCOMING CONGRESSES.

AUGUST 1-6.—International Congress of Entomology. Brussels. Chairman of Local Committee for Great Britain: Dr. G. B. Longstaff, Highlands, Putney Heath, S.W.

AUGUST 1-7.—French Association for the Advancement of Science. Toulouse. President: Prof. Gariel. Address of Secretary: 28 rue Serpente, Paris.

AUGUST.—International Congress of Photography. Brussels. Correspondent for United Kingdom: Mr. Chapman Jones, 11 Eaton Rise, Ealing, W.

AUGUST 2-7.—International Congress on School Hygiene. Paris. General Secretary: Dr. Dufestel, 10 Boulevard Magenta, Paris. Hon. Secretaries for Great Britain: Royal Sanitary Institute, 90 Buckingham Palace Road, S.W.

AUGUST 15-20.—International Zoological Congress. Graz (Austria). President: Prof. Ludwig von Graff. Address for inquiries: Präsidium

dgs VIII. Internationalen Zoologen-Kongresses, Universitätsplatz 2, Graz (Österreich).

AUGUST 13-26.—International Geological Congress. Stockholm. General Secretary: Prof. J. G. Andersson, Stockholm 3.

AUGUST 29 TO SEPTEMBER 6.—International Union for Cooperation in Solar Research. Mount Wilson Solar Observatory. British Member of Executive Committee to whom inquiries should be addressed: Prof. A. Schuster, F.R.S., Victoria Park, Manchester.

AUGUST 31 TO SEPTEMBER 7.—British Association. Sheffield. President: Prof. T. G. Bonney, F.R.S. Address for inquiries: General Secretaries, Burlington House, W.

SEPTEMBER 4-7.—Swiss Society of Natural Sciences. Bâle. Secretary: Dr. H. G. Stehlin, Museum of Natural History, Augustinerstrasse, Bâle.

SEPTEMBER 8-14.—International Congress of Americanists. Mexico City. General Secretary: Sr. Lic. D. Genaro Garcia, Museo Nacional, Mexico, D.F.

SEPTEMBER 13-15.—International Congress of Radiology and Electricity. Brussels. General Secretary: Dr. J. Daniel, 1 rue de la Prévôté, Brussels. Correspondents for United Kingdom: Prof. Rutherford and Dr. W. Makower, University of Manchester, and Dr. W. Deane Butcher, Holyrood, Ealing, W.

SEPTEMBER 18-24.—German Association of Naturalists and Physicians. Königsberg. Secretaries: Prof. Lichtheim and Prof. F. Meyer, Drummstr. 25-29, Königsberg.

SEPTEMBER 27-30.—International Physiological Congress. Vienna. President: Prof. S. Exner. General Secretary for United Kingdom: Prof. E. B. Starling, University College, London, W.C.

OCTOBER 6-12.—Congrès International du Froid. Vienna. Correspondent for United Kingdom: Mr. R. M. Leonard, 3 Oxford Court, Cannon Street, E.C.

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