

Societies and Academies

Paris

Academy of Sciences, August 9 (*C.R.*, 205, 345-380).

RAYMOND HAMET: Demonstration of the direct vaso-constrictive action of a nicotinic substance, cytisine.

Mlle. DIGNA VAN STOLK and ROLAND LEROY DE LENCHERE: Folliculin and dihydrofolliculin in the urine of pregnant mares.

August 23 (*C.R.*, 205, 397-428).

GEORGES CLAUDE: The search for aeroplanes lost at sea. Results of a practical application of the method (use of fluorescein) proposed by the author.

DIMITRI RIABOUCHINSKY: The vortex shaft method of hypersupport.

B. CABRERA: The moments of some cations of the rare earths and Weiss magnetism.

LUCIEN DANIEL: New experiments on acquired heredity in the leek.

ARYEH DVORETZKY: The arguments of the singularities of analytical functions.

LÉOPOLD ESCANDE: Flow through a valve.

PIERRE VERNOTTE: The convection currents in experiments on thermal conduction.

GEORGES FOURETIER: The precipitation of tricalcium phosphate and of hydroxyapatite.

C. F. GOODEVE and F. D. RICHARDSON: The existence of chlorous anhydride. A repetition of the experiment described by Kantzer (*C.R.*, 155, 158) for the preparation of Cl_2O_3 fails to confirm his conclusions: spectroscopic examination showed that only chlorine dioxide is formed.

LÉON CALEMBERT: Contribution to the geological study of the culminating massif of Ouarsenis (Algeria).

HUBERT GARRIGUE: The measurement of the radioactivity of the air enclosed in the snow layer, near the soil, in the mountains.

MAURICE LANGERON: New statistical and mycological observations on human favus in Morocco.

MME. VERA DANTCHAKOFF: The action of the female sex hormone on reptiles.

August 30 (*C.R.*, 205, 429-452).

PIERRE LEJAY: Measurements of gravity in Normandy and Brittany. Tabulated results for measurements of g at 21 stations in Normandy and Brittany.

ANDRÉ HAARBLEICHER: Curves which are their own isogonal inverse with respect to a triangle.

W. K. TURKIN and P. E. DUBUQUE: Theorems on infinite groups.

PAUL PETRY: The determination of pressures and velocities in breaking waves. Measurements made on waves breaking on a jetty.

MAURICE D'OCAGNE: Remarks on the preceding note, pointing out that this is the first time such measurements have been attempted.

HORIA HULUBET: Contribution to the study of the K emission spectrum of gallium (31) and of germanium (32).

RENÉ GIBERT: The p,p' -dimagnesium compounds of diphenyl. The favourable role of magnesium iodide.

WILLIAM HENRI SCHOPFER: The action of the constituents of aneurin on yeasts (*Rhodotorula rubra* and *R. flava*).

MARCEL AVEL: The experimental study of the morphogenesis of the central nervous system in the regeneration of the head of worms.

Y. RAOUL: The evolution of hordenine in barley and the ultimate relations of this alkaloid with the tyrosine.

Geneva

Society of Physics and Natural History, July 1.

CH. BAEHNI: The male inflorescence of *Scyphostegia borneensis*. Following the discovery of a male specimen of this plant it would appear that the classification of the latter in the family of the Moraceae or in any other family of the nettles is erroneous. The exact systematic position of this plant is at present doubtful.

ALB. PERIER: Some critical observations on the torus mandibularis and on its ultimate phylogenetic signification. A detailed analysis shows that two varieties of mandibular hyperostoses must be considered: (a) the torus mandibularis alveolaris and (b) the torus mandibularis arcuatus. The examination of two series of mandibles, Genevan and Bushman, on which these toriform arrangements are encountered, shows that the torus mandibularis is not specifically Asiatic, as has been supposed hitherto.

P. WENGER, CH. CIMERMAN and A. CORBAZ: The micro-estimation of cobalt by means of anthranilic acid. The authors have established a gravimetric micromethod for the determination of cobalt by means of anthranilic acid.

CH. CIMERMAN and P. WENGER: (1) The micro-separation of zinc by means of *o*-oxyquinoline in acetic solution. (2) The volumetric micro-estimation of zinc in alkaline solution. The authors have established the conditions for the micro-separation of zinc with the cations NH_4 , K, Na, Li, Mg, as well as a micro-estimation of zinc in alkaline solution.

E. BRINER and E. PERROTET: Complementary results on the catalytic action of ozone in the oxidation of aldehydes. The influence of the peroxide present. This catalytic action is shown by an increase in the absorption velocity of the oxygen; the presence of peracids increases this velocity as measured by the bubbling method.

D. MONNIER, B. SUSZ and E. BRINER: The Raman spectra of acrylic acid and of methyl methacrylate, both monomer and polymerized. The disappearance of the frequencies of the vinyl group in the polymer shows that the latter is a substance no longer containing the double bonds of the monomer.

L. MISCH and VAN DER WYK: The structure of crystallized azulene. Interference analysis with X-rays of azulene has furnished a whole series of crystallographic constants, which from this point of view suggests that this substance is allied to naphthalene.

EUG. PITTARD and HAYRI AZIZ SEYLAN: Prognathism, cranial capacity and area of the occipital perforation in the anthropoids. The authors have studied various skulls of gorillas, orang utans, chimpanzees, and gibbons. It follows from this work that the construction of the cranio-facial edifice is somewhat different in the anthropoids, according to the genus under examination.