

from) and explains to mean a weapon thrown forwards,—*telum missile*: the subject was again discussed at a late sitting (*ib. iv. p. 347*). A paper was read by V. Martens on the implements used by the Dyaks of the interior of Borneo: a letter from Kupfer on the remarkable vases with human faces which were the subject of Virchow's communication to the same society last March; and a long paper, with woodcuts, on the vitrified stone sites of Oberlausitz by Prof. Virchow, which shows with what accustomed ability the great pathologist pursues the inquiries which amuse his holidays.

PARIS

Academy of Sciences, March 6.—M. Henry Sainte-Claire Deville proposed to his colleagues to enlarge the scope of their proceedings, and to deliberate upon any subject relating to social matters which can be promoted through the instrumentality of science. This idea was warmly advocated and supported by M. Bouley, M. Dumas, and others, and met with only one opponent, M. Combes, general inspector for Ponts-et-Chaussées, who said that such a step was contrary to the rules of the Academy, and that the Academy besides had no right to pronounce on a communication from its own members. But ultimately the discussion of the proposition was referred to a secret committee, which is to be held probably next week. This sitting was rife with discussion.—M. Faye having referred to a special committee the project of a railway to be constructed between America and Europe through the Aleutian Islands, General Morin protested, saying it was merely wasting time to refer such wild schemes to members, and that the committee was, at all events, not bound to give any opinion at all. In spite of this protest, M. Faye referred the communication to a member in order to know from him if it was worth being sent before a special commission.—M. Delaunay and M. Bertrand disputed what was the precise opinion of M. Hopkins on the thickness of the solid crust of the earth. M. Delaunay said moreover that calculations proved it had no influence on the revolution of the earth, as no movement of the internal fluid could possibly have any effect whatever.—M. Bouley declared that the flesh of animals infected with the cattle plague was not unwholesome for food. It is true that such flesh is served out to poor people supplied from municipal benevolent institutions. But such is not the view taken by the paying public, as the purchase of beef is falling, and the sale of mutton or pork increasing daily. The rinderpest is raging so severely in the herds destined for the revictualling of Paris, that very often carts loaded with carcasses are seen passing through the streets of the city.—M. Janssen was present at the sitting, and he is going to London, where he will arrive by the end of the present week. Many of the *francs-fileurs* have resumed their seats without any remark having been passed upon them. M. Becquerel the elder, the celebrated electrician, died in Normandy during the investment of Paris. He was about 80 years of age. The water-tubs and towels disposed in case Prussian shells should set fire to the building have not yet been removed from the hall.

BOOKS RECEIVED

ENGLISH.—The Natural History of the Strait of Magellan: R. O. Cunningham (Edmonston and Douglas)—The Story of Aristæus and his Bees: R. M. Millington (Longmans).—A Few Poems: E. Smith (Dunn and Fry).—The Ancient Geography of India: A. Cunningham (Trübner and Co.).—The Chronological History of Animal Plagues from B.C. 1490 to A.D. 1800: G. Fleming (Chapman and Hall).

FOREIGN.—(Through Williams and Norgate)—Die elektrische Doppelhelb: J. N. Czernak.—Untersuchungen aus den Institute für Physiologie u. Histologie in Graz 2<sup>tes</sup> Heft: A. Rollett.—Echinologie Helvétique: Désor et de Loriol.

DIARY

THURSDAY, MARCH 16.

ROYAL SOCIETY, at 8.30.—Description of *Ceratodus*, a Genus of Ganoid Fishes, recently discovered in Rivers of Queensland, Australia: Dr. Günther, F.R.S.—On the Formation of some of the Sub-axial Arches in Man: G. W. Callender.  
SOCIETY OF ANTIQUARIES, at 8.30.—On Photographs of Armenian Antiquities: Captain Lynch.—On an Undescribed Expedition to Britain in the Reign of Augustus: W. H. Black, F.S.A.—On certain inscribed leaves of lead in the British Museum: W. De Gray Birch.  
LINNEAN SOCIETY, at 8.  
CHEMICAL SOCIETY, at 8.

ROYAL INSTITUTION, at 3.—Davy's Discoveries: Dr. Odling.  
LONDON INSTITUTION, at 7.30.—On the Colonial Question: Prof. J. E. Thorold Rogers, M.A.

FRIDAY, MARCH 17.

ROYAL INSTITUTION, at 9.—On the Eclipse: J. Norman Lockyer, F.R.S.  
ROYAL COLLEGE OF SURGEONS, at 4.—On the Teeth of Mammalia: Prof. Flower.

SATURDAY, MARCH 18.

ROYAL INSTITUTION, at 3.—Spirit of the Age: Mr. O'Neil.

SUNDAY, MARCH 19.

SUNDAY LECTURE SOCIETY, at 3.30.—The Total Eclipse: J. N. Lockyer.

MONDAY, MARCH 20.

ANTHROPOLOGICAL INSTITUTE, at 8.—Adjourned Discussion on the Racial Aspects of the Franco-Prussian War.—On the Migrations of the Georgians, Circassians, and Amazons, and their connection with the Tibeto-Caucasian Race: Mr. Hyde Clarke.  
ENTOMOLOGICAL SOCIETY, at 8.—On Additions to the Atlantic Coleoptera: Mr. Wollaston.

VICTORIA INSTITUTE, at 8.—On some Curiosities of Ethnology:—Rev. J. H. Fitzcomb.  
LONDON INSTITUTION, at 4.—On Astronomy: R. A. Proctor, F.R.A.S. (Educational Course.)  
ROYAL COLLEGE OF SURGEONS, at 4.—On the Teeth of Mammalia: Prof. Flower.

TUESDAY, MARCH 21.

ZOOLOGICAL SOCIETY, at 9.—Report on additions to the Society's Menagerie during the month of February 1871: P. L. Sclater.—On the Birds of Santa Lucia, West Indies: P. L. Sclater.

STATISTICAL SOCIETY, at 7.45.—On Statistical Returns required by Parliament: Mr. Purdy.  
ROYAL INSTITUTION, at 3.—Nutrition of Animals: Dr. Foster.

WEDNESDAY, MARCH 22.

GEOLOGICAL SOCIETY, at 8.—On the Passage beds in the neighbourhood of Woolhope, Herefordshire, and on the Discovery of a new species of *Eurypterus*, and some new land-plants in them: Rev. P. B. Brodie, M.A., F.G.S.—On the Cliff-sections of the Tertiary beds west of Dieppe, in Normandy, and at Newhaven, in Sussex: W. Whitaker, B.A., F.G.S.—On New Tree-ferns and other Fossils from the Devonian: Prof. J. W. Dawson, F.R.S.

SOCIETY OF ARTS, at 8.—On Drill, the Complement of the Present School Teaching: Major-General Eardley-Wilmot, R.A.  
ROYAL COLLEGE OF SURGEONS, at 4.—On the Teeth of Mammalia: Prof. Flower.

THURSDAY, MARCH 23.

ROYAL INSTITUTION, at 3.—Davy's Discoveries: Dr. Odling.

ROYAL SOCIETY, at 8.30.  
SOCIETY OF ANTIQUARIES, at 8.30.

CONTENTS

	PAGE
NATURAL HISTORY MUSEUMS. . . . .	381
SCIENCE IN VIENNA . . . . .	382
LAUGHTON'S PHYSICAL GEOGRAPHY. . . . .	383
THE SEWAGE QUESTION . . . . .	384
OUR BOOK SHELF . . . . .	385
LETTERS TO THE EDITOR:—	
Eozoön Canadense.—Dr. CARPENTER, F.R.S. . . . .	386
Dr John Hopkinson on "The Overthrow of Electro Dynamics."—	
Rev. H. HIGHTON . . . . .	386
Quinary Music—B. LOUGH . . . . .	387
The Experimental and Natural Sciences in Trinity College, Dublin	387
Science in Schools . . . . .	387
Dr. Donkin's Natural History of the Diatomaceæ . . . . .	387
Lenses for Vision below Water.—Dr. DUDGEON . . . . .	387
Petrography.—W. S. ALLPORT . . . . .	388
Tin . . . . .	388
PAPERS ON IRON AND STEEL. III. THE BESSEMER PROCESS (CON-	
TINUED). By W. MATTIEU WILLIAMS, F.C.S. ( <i>With Illustrations</i> .) . . . . .	388
THE OBSERVATORY OF TRINITY COLLEGE, DUBLIN. ( <i>With Illustration</i> .) . . . . .	390
THE SUPPOSED FUNGOID ORIGIN OF CHOLERA . . . . .	391
FOSSIL CETACEA . . . . .	392
PARASITES . . . . .	392
NOTES . . . . .	393
IMAGINATION IN SCIENCE . . . . .	395
THE ROYAL SOCIETY'S SOIREE. . . . .	395
SCIENTIFIC SERIALS . . . . .	396
SOCIETIES AND ACADEMIES . . . . .	397
BOOKS RECEIVED . . . . .	400
DIARY . . . . .	400

ERRATA.—Page 370, first column, line 10 from bottom, for "show us traces" read "show no traces"; second column, line 15, for "limit" read "limb."