Mendel and Sarah E. Judson : Some interrelations between diet, growth, and the chemical composition of the body. Changes in the water, ether extract, and ash content of the body have been determined under various conditions .- T. W. Richards and C. Wadsworth : Part iii. Further study of the atomic weight of lead of radio-active origin. Atomic weight of four different examples of isotopic lead not hitherto tested was determined, with the results varying from 207.00 to 206.08.-W. H. Dall: Some anomalies in geographic distribution of Pacific Coast Mollusca. Observations in regard to long-continued studies by the author.-W. R. Miles : Some psycho-physiological pro-cesses as affected by alcohol. The percentile effects of the ingestion of alcohol upon a related group of processes, such as the patellar reflex latency, lid reflex latency, and patellar reflex amplitude, were studied. -L. R. Cary: The influence of the marginal sense organs on metabolic activity in *Cassiopea xamachana*, Bigelow. Muscular activity is a relatively unimport-ant factor in determining the metabolic activity of Cassiopea.—F. Boas: New evidence in regard to the instability of human types.—G. P. Baxter and H. W. Starkweather: A revision of the atomic weight of tin. The value Sn = 118.703 (C! = 35.457) is found.—A. G. Mayer : Further studies of nerve conduction in Cas-siopea.—C. Schuchert : The earliest fresh-water Arthropods. If the Eurypterids and Limulids arose in the fresh water we can explain why they and the terrestrial scorpions do not pass through a crustacean stage. It may well be that the Trilobites retaining the nauplius stage do not give rise to these stocks. We may look for this ancestral stock in one still more primitive which seems to have permanently invaded the rivers of the land either in Proterozoic time or in Walcott's Lipalian time.—W. H. Longiey: Observations upon tropical fishes and inferences from their adaptive coloration. The observations here presented undermine many speculative explanations of animal coloration in terms of natural selection.

BOOKS RECEIVED.

The Properties of Aerofoils and Aerodynamic Bodies. By A. W. Judge. Pp. x+298. (London: Whittaker and Co.) 15s. net. Electric Traction. By A. T. Dover. Pp. xviii+ 667+illustrations and folding plotes. (London:

667+illustrations and folding plates. (London : Whittaker and Co.) 18s. net.

Herbs Used in Medicine. (First Series.) With descriptive and explanatory notes by Mrs. J. D. Ellis.

Pp. 32. (London : National Herb-growing Associa-tion.) 3s. Clothing and Health. By Prof. H. Kinne and A. M. Cooley. Pp. vii+302. (New York : The Mac-millan Co.; London : Macmillan and Co., Ltd.) 3s. net.

The Pruning-Manual : Being the Eighteenth Edition of the Pruning-Book. By L. H. Bailey. Pp. xiii+ 407. (New York: The Macmillan Co.; London: Macmillan and Co., Ltd.) 8s. 6d. net.

The Passing of the Great Race : or The Racial Basis of European History. By M. Grant. Pp. xxi+232. (London : G. Bell and Sons, Ltd.) 8s. 6d. net. On Growth and Form. By D'Arcy W. Thompson.

Pp. xv+793. (Cambridge: At the University Press.) 21s. net.

The Method of Enzyme Action. By Dr. J. Beatty. Pp. ix+143. (London: J. and A. Churchill.) 55. net. Descriptive Catalogue of the Documents Relating

to the History of the United States in the Papeles Procedentes de Cuba, deposited in the Archivo General de Indias at Seville. By Prof. R. R. Hill. Pp. 302. (Washington : Carnegie Institution.) 4 dollars

NO. 2476, VOL. 99

DIARY OF SOCIETIES.

THURSDAY, APRIL 12. THURSDAY, APRIL 12. INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—Wayleaves: C. Vernier. OPTICAL SOCIETY, at 8.—Light Filters for Eye Protection : L. C. Martin. —Accuracy of Observation and Precision in Measurement: Dr. G. A. Carse.—Some Methods of Analysing Lens Systems : S. D. Chalmers.—A Simple Proof of the Expression for the Focal Power of a Thick Lens : C. Locherge C. Cochrane.

C. Cochrane. FRIDAY, APRIL 13. ROYAL ASTRONOMICAL SOCIETY, at 5.—Missing B.D. Stars: Rev. J. G. Hagen.—Observations made during the Partial Eclipse of the Sun on 1917, January 22. at the Temporary University Observatory, Rostow-on-Don, Russia: S. D. Tscherny.—The Positions of Some Pole Stars, and a New Determination of the Constants of Aberration: L. Becker.—The Motion of the Perihelion of Mercury deduced from the Classical Theory of Relativity: L. Silberstein. TUESDAY, APRIL 17. ROYAL INSTITUTION, at 3.—The Old Free Russia: Prof. C. R. Beazley. ZOOLOGICAL SOCIETY, at 5.-0.

- ROYAL INSTITUTION, at 3.—The Old Free Kussia : Froi. C. K. Beazley.
 ZOOLOGICAL SOCIETY, at 5.15.
 WEDNESDAF, APRIL 18.
 ROYAL MICROSCOFICAL SOCIETY, at 8.—The Life-history of the Meningococci and other Bacteria : Dr. E. C. Hort and F. Martin Duncan.—Notes on Physarum carneum, G. Lister and Sturgis; a New British Species: H. I. Howard H. J. Howard.

- H. J. Howard.
 GEOLOGICAL SOCIETY, at 5.30.—The Morphology and Development of the Ammonite Septum: Prof. H. H. Swinneiton and A. E. Tueman.
 ROVAL METEOROLOGICAL SOCIETY, at 5.—The Diurnal Variation of Atmospheric Pressure at Benson, Oxon, during rots: E. G. Bilham.— Atmospheric Dressure at Benson, Oxon, during rots: E. G. Bilham.— Atmospheric Electrical Phenomena during Rain: Lieut. C. D. Stewart. THURSDAY, APRIL 19.
 ROVAL INSTITUTION, at 3.—Industrial Finance after the War; The Character of the Industrial Struggle of To-day: Prof. H. S. Foxwell.
 MATHEMATICAL SOCIETY, at 5.50.
 LINNEAN SOCIETY, at 5.—The Heteranziums of the British Coal Measures: Dr. D. H. Scott.—Hypophysis and Premandibular Cavities; a Sug-gestion: E. S. Goodrich.—Wooden Scratching Tools made by an African Parrot: Miss N. Layard.
 INSTITUTION OF MINING AND METALLURGY, at 5.30.—Annual General Meeting.—Stope Measurement at Messina: W. Whyte.—Platinum in Spain: F. Gillman. FRIDAY, APRIL 20.
- *FRIDAY*, APRIL² 20. ROYAL INSTITUTION, at 5.30.—The Future of Wheat-growing in England : Prof. R. H. Biffen.
- INSTITUTION OF MECHANICAL ENGINEERS, at 6. Presidential Address : M. Longridge.

SATURDAY, APRIL 21. ROYAL INSTITUTION, at 3.—Aerial Navigation : Prof. G. H. Bryan.

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