Sir Arthur Evans. Vol. 1: The Neolithic and Early and Middle Minoan Ages. Pp. xxiv+721+18 plates. (London: Macmillan and Co., Ltd.) 6 guineas net.

Medical Research Council. Reports of the Industrial Fatigue Research Board. No. 12: Vocational Guidance. (A Review of the Literature.) By B. Muscio. (General Series, No. 4.) Pp. 57. 1s. net. No. 15: Motion Study in Metal Polishing. By E. Farmer and R. S. Brooke. (Metal Series, No. 5.) Pp. 65. 2s. net. (London: H.M. Stationery Office.)

Imperial Institute Map of the Chief Sources of Metals in the British Empire, with Diagrams of Production. Prepared under the direction of the Mineral Resources Committee of the Imperial Institute.  $35\frac{1}{2}$ " × 44". (London: G. Philip and Son, Ltd.)

5s. 6d. net.

Tierpsychologie. By Prof. Dr. H. E. Ziegler. (Sammlung Göschen 824.) Pp. 115. (Berlin and Leipzig: W. de Gruyter and Co.) 6 marks.

The University of Chicago: Publications of the Yerkes Observatory. Vol. 3, Part 3: The Rotation Period of the Sun as Determined from Measures of Plates taken with the Rumford Spectroheliograph. By Philip Fox. Pp. viii+67-204+plates 24-26. (Chicago: University of Chicago Press; London: Cambridge University Press.) 2.50 dollars net.

Koninklijk Magnetisch en Meteorologisch Observatorium te Batavia. Verhandelingen No. 7: On the Distribution of Earthquakes in the Netherlands East Indian Archipelago, 1909–1919; with a Discussion of Time Tables. By Dr. S. W. Wisser. Pp. iv+79+3 plates. Verhandelingen No. 8: Het Klimaat van Nederlandsch Indië. (The Climate of the Netherlands Indies.) Deel I (Vol. I): Algemeene Hoofdstukken (General Chapters), Aflevering I (Part I) (With English Summaries). By Dr. C. Braak. Pp. viii+64+ 18. (Batavia.)

Department of Scientific and Industrial Research. Bulletin No. 5: The Cleaning and Restoration of Museum Exhibits. Report upon Investigations conducted at the British Museum. Pp. 12. (London:

H.M. Stationery Office.) 2s. net.

Department of Scientific and Industrial Research: Fuel Research Board. Technical Paper No. 3: The Efficiency of Low Temperature Coke in Domestic Appliances. By Dr. M. W. Fishenden. Pp. 35. (London: H.M. Stationery Office.) 9d. net.

Out West for Thirty Years: Notes of a Ministry in the Real Australia. By the Rev. W. Robertson. Pp. x+191. (The Manse, Hay, N.S.W.: The Author.)

Die Rätzel des Vogelzuges: Ihre Lösung auf Experimentellem Wege durch Aeronautik, Aviatik und Vogelberingung. By F. von Lucanus. Pp. viii+226.

(Langensalza: H. Beyer und Sohne.) 30 marks.

The British Journal Photographic Almanac and Photographer's Daily Companion, 1922. Edited by G. E. Brown. 61st issue. Pp. 820. (London: H. Greenwood and Co., Ltd.) 2s. net.
Catalogue of the Selous Collection of Big Game

in the British Museum (Natural History). By J. G. Dollman. Pp. viii+112. (London: Longmans,

Green and Co.) 7s. 6d.
Thought-Coin. By Bart Kennedy. Pp. x+219. (London: W. Rider and Son, Ltd.) 5s. net.

Main Counts and Calculations. By T. Woodhouse. (Oxford Technical Manuals.) Pp. viii+119. (London: H. Frowde and Hodder and Stoughton.) 6s. net.
Transactions of the Royal Society of Edinburgh.

Vol. 52, Part 4 (No. 33): On Old Red Sandstone Plants showing Structure, from the Rhynie Chert Bed, Aberdeenshire. Part 5: The Thallophyta Occurring in the Peat-Bed, the Succession of the Plants

NO. 2721, VOL. 108

throughout a Vertical Section of the Bed, and the Conditions of Accumulation and Preservation of the Deposit. By Dr. R. Kidston and Dr. W. H. Lang. Pp. 855-902+10 plates. (Edinburgh: R. Grant and Son; London: Williams and Norgate.) 13s.
The Economic Aspects of Geology. By C. K. Leith.

Pp. xvi+457. (London: Constable and Co., Ltd.)

18s.

A Treatise of Electro-Chemistry. Edited by B. Blount. The Electro-Metallurgy of Steel. By C. C. Gow. Pp. xvi+351. (London: Constable and Co., Ltd.) 27s. 6d.

The Legacy of Greece. Edited by R. W. Livingstone. Pp. xii+424. (Oxford: Clarendon Press.) 7s. 6d. net.

## Diary of Societies.

THURSDAY, DECEMBER 29.

ROYAL INSTITUTION, at 3.—Prof. J. A. Fleming: Electric Waves and Wireless Telephony: Surface Waves on Liquids.
INSTITUTION OF AUTOMOBILE ENGINEERS (at 28 Victoria Street), at 7.30.—Adjourned Discussion on Paper by H. F. L. Orcutt: Motorcar Gear-boxes.

SATURDAY, DECEMBER 31.

ROTAL INSTITUTION, at 3.—Prof. J. A. Fleming: Electric Waves and Wireless Telephony: Waves in Air.

CONTENTS	PAGE
Carbon Monoxide in Public Gas Supplies. By	
W. A. B.	521
Diseases of the Rubber Tree (Hevea braziliensis)	
By J. B. F.	524
Some Psychological "As Ifs." By C. Ll. M Our Bookshelf	525
Letters to the Editor:—	526
The Tendency of Elongated Bodies to Set in the East	
and West Direction.—Walter D. Lambert	528
Japanese Culture Pearls.—Dr. H. Lyster Jameson	528
A Curious Physiological Phenomenon. — F. C.	5
Dannatt; Prof. T. Graham Brown	529
Echinoderm Larvæ and their Bearing on Classifica-	-
tion,—Prof. E. W. MacBride, F.R.S.; Dr.	
F. A. Bather, F.R.S.  Some Problems in Evolution.—W. R. Bousfield,	<b>52</b> 9
Some Problems in Evolution.—W. R. Bousfield,	
K.C., F.R.S.; Prof. E. S. Goodrich, F.R.S.	530
World List of Scientific Periodicals.—Prof. W. W. Watts, F.R.S.	FOT
Watts, F.R.S. Old Observations Bearing on the Duration of Sun-	531
rise.—Dr. Willard J. Fisher	531
The Measurement of Ionisation Currents by Three-	33,*
e'ectrode Valves. (With Diagram.)-J. C. M.	
Brantono	532
Simple Sensitive Flames.—G. A. Sutherland	532
Simple Sensitive Flames.—G. A. Sutherland. The Message of Science. By Sir Richard Gregory	533
Integration in the Living Organism. By Prof.	
W. M. Bayliss, F.R.S.	537
"Leader" Cables for Aircraft War Work of the Bureau of Standards, U.S.A.	539
War Work of the Bureau of Standards, U.S.A.	
By J. L. H.	540
Obituary:— The Right Hon, Lord Lindley, P.C., F.R.S.	*41
Notes	541 542
Our Astronomical Column:—	34*
	547
The Markings on Jupiter The Ultra-Violet Spectrum of α Cygni The Origin of the Scottish People An Agricultural Enterprise Optical Wedges. By C. J.	547
The Origin of the Scottish People	548
An Agricultural Enterprise	54 <b>9</b>
Optical Wedges. By C. J	550
Optical Wedges. By C. J	
ment of Science. By H. B. F.	550
University and Educational Intelligence	552
ment of Science. By H. B. F. University and Educational Intelligence Calendar of Scientific Pioneers Societies and Academies	553
Societies and Academies	554
Books Received	555
Diary of Societies	556