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Report on the Statical and Dynamical Facts of Earthquakes, by R. MALLETT.....The Report comand of the past theories of their origin, divisible into two classes:-those which attributed them to atmo anderic agents, and those which supposed a cause operating beneath the surface. From the consideration of all the existing records, the following pronositions are (provisionally) enunciated :__1. Farthboth on land and under the ocean. 2. They occur at all times, at all seasons, and at all hours of the day and night. 3. There seems no sufficient ground for supposing that they have operated more fre-quently or with greater intensity during one portion them than another. 5. But those regions which surround the present great centres and lines of voleanic action do appear to be now most subject to earthquakes, 6, And earthquakes are most preand intensity of volcanic action in those regions at given times. 7. Many regions which are not now, quakes. 3. Regions of extinct volcanic action do not appear more subject now to earthquakes than others altogether non-volcanic. 9. Although active volcanic regions are not frequently affected by earthquakes, yet the most violent recorded earthquakes appear to have convulsed regions lying some degrees away from the nearest volcanic centre. 10. And in general the most violent earthquakes have occurred upon the sea-coasts, or not far inland; some doubt, however, hangs over this in connexion with very ancient earthquakes in Asia, 11, Earthquake shocks have been felt on the ocean at vast distances from any land; and in some cases they have been nearly earth-wave or shock is a motion of great velocity, and occurring during a short moment of time at any given spot. 13. The total duration of motion at a which have not been ascertained. 14. The absolute indeterminate limits, and is related apparently to the maximum force of the shock in its extent, the solid crust of the earth. 16. The undulation, which constitutes the earth-wave, has a real motion the earth-wave varies from vertically upwards to nearly horizontally in any azimuth. a, Shocks felt at great distances from their origin are nearly hori zontal in transit; b, Within a certain radius round the origin they are sensibly inclined in transit; c. Some The direction of transit often varies during one earthquake; e, Two shocks may arrive nearly simul-taneously at the same point with different transit directions. 18. The motion of translation of the earth-wave is rectilinear, and not curvilinear. 19. It and when its direction is nearly horizontal, the crest of the wave advances along a given line and parallel to itself. 20, The earth-wave has deter-

minted dimensions in height and breath, dependent cycle of its transit has not yor been determined by otherwise or experiment; it is provel, however, otherwise or experiment; it is provel, however, experiments or experiment; it is provel, however, 2.2. The direction and velocity of transit changes contained for modern. 2.2. Entripulsace occur which are accompanied by various smooth bring a subserce or experiment of the contract of the contract of the company or mercont—a recur both below, during and direct—the blocks, or come of them, other and company or mercont—a recur both below, during and direct—the blocks, or come of them (after earlier by any assensity whereast. 2.4. When the centre of writins a certain (canally a companiety) wantly direcversities of the local department of the contract of writins a certain (canally a companiety) wantly devised on the contract of the contract of the contract of which are certain contract of the contract of which are certain contract of the contract of the superimental contract of the contract of the contract of which are certain contract of the superimental contract of the contract of t

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SECTION D.—NATURAL HISTORY, INCLUDING PHYSIOLOGY.

On the Occurrence on the British Coast of a Demoning Branch, he is a type of a new order Demoning Branch, he is a type of a new order The animal which was the subject of this paper in the contract of the property of the paper in the contract of the property of the paper in the paper of the paper in the paper in the paper in the paper of the paper in the paper in the paper in the paper of the paper in the paper in the paper in the paper of the paper in the paper in the paper in the paper of the paper in the paper in the paper in the paper of the paper in the paper in the paper in the paper in the paper of the paper in the paper in the paper in the paper in the paper of the paper in the paper in the paper in the paper in the paper of the paper in the paper of the paper in the

Mr. Daxers remarked that having been onplyout for a considerable time in draining us at that the power wish Saciarous pursues of being monograph on the Corrected time in draining us at that the power wish Saciarous pursues of being monograph to the Corrected preparation by the code has been much overenced, in thought that considerable the contraction of the contraction

and organs of generation appear to be considerably different. Mr. Darwin stated that he possessed the peculiar structure. Having remarked on the vast external differences between the common cirripeden and such forms as the last mentioned and that described by Mr. Hancock, and that inhabiting the Concholonos Mr. Darwin stated that the main and unfailing character of a cirripede consists in the manner in which it becomes attached to foreign bodies. This is effected at first by the voluntary set nently attaches them to the surface: the antenna of the pupa are moulted and lost. During the con-tinued erowth of the cirripede, the cementing subis that it is certainly secreted from glands which are actually continuous portions of the branching ovarian Mr. Hancock examined specimens, instead of drawings, of the Lithotria in the rock, he would almost cavities......Prof. MILNE-EDWARDS suggested that the secretion by which the cirripedes were enabled to attach themselves to foreign bodies was produced by a cland at the base of the antenne, similar to that which occurs in some species of macroprous Crustaces. circipedes was truly ovarial. Prof. ALDIAN referred to the instance of a burrowing barnacle which had been discovered in the shells of some turtles brought W. Hincks. It was a large species, measuring an inch and three-quarters.......Mr. JEFFREY inquired if the cirrinodes were in the habit of moulting......Mr. Danwin stated that their life was very active and their changes frequent, and some species moulted twice in a week.....Dr. MacDONALD thought that the structure of Mr. Hanoock's animal and its earlier changes would throw some light on the structure

'Notes on the Boring of Marine Animals,' by C. S. Bays.—The object was to prove that the pe forations of certain mollusca and annelides into calenreous bedies were effected through the agency of " free carbonic acid held in solution by sea water;" the economy of boring animals being simple and uniform in their kind throughout creation, being only instruments directing the solvent more rapidly to a given point, this being done chiefly through the process of respiration and ciliary currents. He drew attention to the disintegration of limestone rocks when exposed to the long-continued action of the ing to the character of perforation, he separated intoannelids, previous to the pebble having been frucinto many irregular channels, from having been originally perforated by annelids, which opened for the action of the sea a passage to the centre of the stone, which by continual rolling would give a fresh direction and a new impetus to the affinities existing between the corroding material and curbonate of would be the result. more or less through the two former stages, and become fixed and partially protected by accidental causes show not holes, but large, small and imperfect depressions.....The author's experience went to show their capacity to penetrate ceased while they are very young, that they bore only during the period that they possess a foot sufficiently strong for loco-