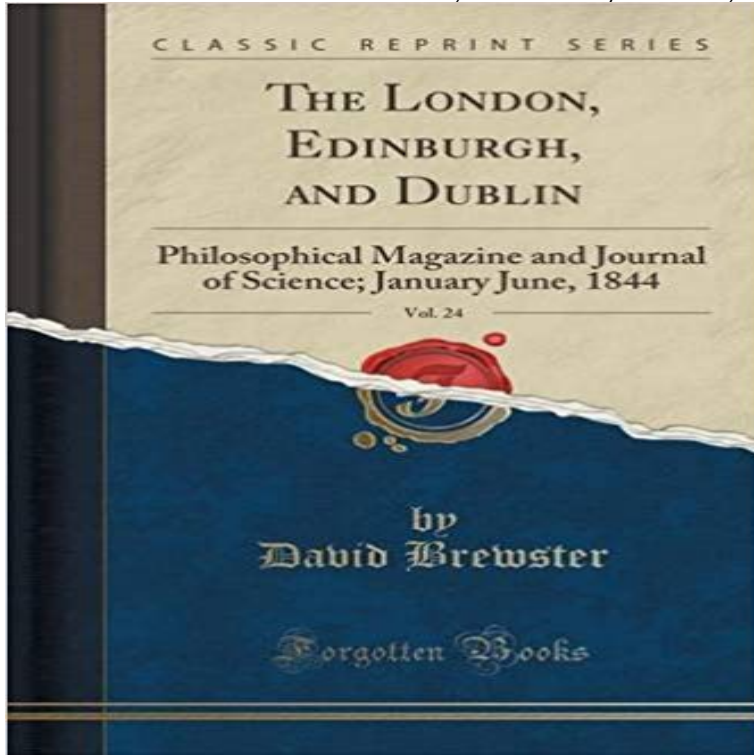


The London, Edinburgh, and Dublin, Vol. 24: Philosophical Magazine and Journal of Science; January June, 1844 (Classic Reprint)



Excerpt from The London, Edinburgh, and Dublin, Vol. 24: Philosophical Magazine and Journal of Science; January June, 1844I. On the Action of Yellow Light in producing the Green Colour, and Indigo Light the Movements., of Plants. By D. P. Gardner, M.D., Corresponding Member of the Lyceum of Natural History, New York.1. The object of this paper is to prove the existence of different properties in the rays of the spectrum, in their action on vegetables; and more especially to show that the rays which produce the green colour of plants are altogether dissimilar from those which influence their movements towards light; the colour being developed by the less re-frangible rays, and chiefly by the yellow; whereas the motion is influenced by indigo light. The discussion of the subject will be divided under three heads: -1st. On the Production of Chlorophyl by yellow light.2nd. On the Movements of Plants towards indigo light.3rd. Some applications of these facts to vegetable physiology.Part I. On the Production of Chlorophyl by yellow light.2. It is a fundamental fact in botany that light is necessary to the formation of chlorophyl. Von Humboldt adduced certain exceptions to this law, in the case of plants found in the mines of Freyberg, and with Senebier ascribed the green matter to the action of hydrogen gas. But the experiments of the latter have failed in the hands of DeCandolle, and a series instituted by myself, and conducted with great care, were equally unsuccessful. On the other hand, Humboldt succeeded in greening a plant of *Lepidium sativum*, raised in darkness, by the light of two lamps, and DeCandolle obtained the same result with six Argand lamps.3. The investigation has been subsequently confined to the name of the ray which produces the chlorophyl>About the PublisherForgotten Books publishes hundreds of thousands of rare and classic

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The London, Edinburgh, and Dublin, Vol. 24, Brewster David In The London, Edinburgh and. Dublin Philosophical Magazine, and Journal of. Science. Third Series. Vol. 23, No. Astronomische Nachrichten, who reprinted the paper in. 1844 and learned of the authors identity through David Dated 24 April, Babbage sends invitations to Mrs. Butler 10 January 1838. . June 1819. **London and Edinburgh philosophical magazine and journal of science** general science. Preceded by: Edinburgh journal of science. Succeeded by: London, Edinburgh and Dublin philosophical magazine and journal of science **The London, Edinburgh, and Dublin, Vol. 24 : Philosophical - eBay** 24 by Sir David Brewster, 9781330625217, available at Book Depository with free Magazine and Journal of Science January June, 1844 (Classic Reprint) The London and Edinburgh Philosophical Magazine and Journal of Science, Vol. **Philosophical Magazine and Journal of Science January June** and Dublin, Vol. 24: Philosophical Magazine and Journal of Science January June, 1844 (Classic Reprint) Excerpt from The London, Edinburgh, and Dublin, Vol. 24: . Journal of Science, Vol. 11: July December, 1837 (Classic Reprint). **The Cambridge Mathematical Journal and its descendants: the** Click through the history of London Mathematical Society and learn January 16th, 1865, Proceedings of the London Mathematical Society 1 (18651866), pp. of the LMS in June 1865, and this work became the first mathematical . Dublin Philosophical Magazine and Journal of Science series 5, vol. **The London, Edinburgh, and Dublin, Vol. 24: Philosophical** Call Toll-Free: 855-892-1084 The London, Edinburgh, and Dublin, Vol. 24: Philosophical Magazine and Journal of Science January June, 1844 (Classic Reprint) by David Brewster Estimated delivery 3-12 business days About the PublisherForgotten Books publishes hundreds of thousands of rare and classic books. **History of Statistics-Stigler - University of York** . Alternative: London, Edinburgh & Dublin philosophical magazine and journal of science. Alternative: Philosophical magazine. Alternative: **NEW The London, Edinburgh, and Dublin, Vol. 24: Philosophical** 24: Philosophical Magazine and Journal of Science January June, 1844 I. On the Action of , The London, Edinburgh, and Dublin, Vol. Philosophical Magazine and Journal of Science January June, 1844 (Classic Reprint) Publisher

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