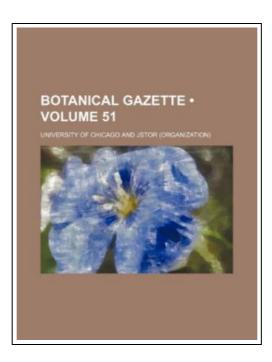
The Botanical gazette Volume 51



Filesize: 6.31 MB

Reviews

A brand new eBook with a brand new standpoint. It can be rally fascinating throgh reading through time. I am happy to let you know that this is the greatest ebook i have go through within my very own daily life and can be he best book for at any time. (Leanne Cremin)

THE BOTANICAL GAZETTE VOLUME 51



RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 176 pages. Dimensions: 9.7in. x 7.4in. x 0.4in.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1911 edition. Excerpt: . . . STUDIES ON THE RELATION OF THE LIVING CELLS TO TRANSPIRATION AND SAP-FLOW IN CYPERUS. I James Bertram Overton (with One Figure) Historical discussion Recent studies have revived with considerable vigor the doctrine that the presence of the living cells in the stem is necessary for the ascent of sap. The earlier evidence as to the necessity of living cells for sap-flow, as presented by Godlewski (15) and supported by Westermaier (41, 42) and Janse (16), was shown to be inadequate by Strasburger (30, 31) in a series of elaborate experiments, in which long portions of stems were killed with steam, hot water, and poisons, and the dead parts proved to be still capable of conduction. Several authors have refused to accept Strasburgers conclusions and have presented important criticisms of his experimental work. The vitalistic theory of sap-flow, as it may perhaps be called, has been vigorously exploited by Ursprung (32-37) and further supported by his student Roshardt (24). Ursprungs methods and conclusions, however, have in turn been severely criticized by Jost (17, 18), Dixon (9-12). and Czapek (7, 8). Ursprung conceives that the living cells of the stem either may function in keeping the vessels in a proper state for conduction, or else they may take a direct part in the elevation of the sap. He believes that their lifting power is the more important function in tall plants, but that in low herbaceous ones the living cells may keep the vessels in a proper...

Read The Botanical gazette Volume 51 Online
Download PDF The Botanical gazette Volume 51

Other eBooks

| PDF |
|-----|

Childrens Educational Book Junior Vincent van Gogh A Kids Introduction to the Artist and his Paintings. Age 7 8 9 10 year-olds SMART READS for . - Expand Inspire Young Minds Volume 1 CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 26

pages. Dimensions: 9.8in. x 6.7in. x 0.2in.Van Gogh for Kids 9. 754. 99-PaperbackABOUT SMART READS for Kids. Read Book »

| PDF |
|-----|
| |

Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****. ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to... Read Book »

| | $\mathbf{\nabla}$ |
|----|-------------------|
| PI | DF |

Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****. ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to... Read Book »

| PDF |
|-----|

Dont Line Their Pockets With Gold Line Your Own A Small How To Book on Living Large Madelyn D R Books. Paperback. Book Condition: New. Paperback. 106 pages. Dimensions: 9.0in. x 6.0in. x 0.3in.This book is about my cousin, Billy a guy who taught me a lot over the years and who...

Read Book »

| Γ | Ъ |
|---|-----|
| l | PDF |

My Life as an Experiment: One Man s Humble Quest to Improve Himself by Living as a Woman, Becoming George Washington, Telling No Lies, and Other Radical Tests

SIMON SCHUSTER, United States, 2010. Paperback. Book Condition: New. Reprint. 212 x 138 mm. Language: English . Brand New Book. One man. Ten extraordinary quests. Bestselling author and human guinea pig A. J. Jacobs puts... Read Book »