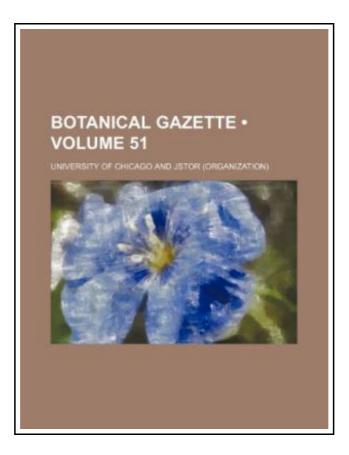
The Botanical gazette Volume 51



Filesize: 5.05 MB

Reviews

This pdf might be well worth a study, and a lot better than other. It really is simplistic but excitement inside the fifty percent in the book. Its been printed in an exceedingly straightforward way which is just after i finished reading this ebook through which really modified me, modify the way i believe. (Derick Brekke)

THE BOTANICAL GAZETTE VOLUME 51



To read **The Botanical gazette Volume 51** eBook, make sure you follow the link beneath and save the file or gain access to other information that are related to THE BOTANICAL GAZETTE VOLUME 51 ebook.

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

See Also

لحر

[PDF] Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .

Click the link under to get "Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications." PDF file.

Read PDF »



[PDF] Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers

Click the link under to get "Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel's System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers" PDF file.

Read PDF »



[PDF] Yearbook Volume 15 Click the link under to get "Yearbook Volume 15" PDF file. Read PDF »



[PDF] A Kindergarten Manual for Jewish Religious Schools; Teacher s Text Book for Use in School and Home

Click the link under to get "A Kindergarten Manual for Jewish Religious Schools; Teacher s Text Book for Use in School and Home" PDF file.

Read PDF »



[PDF] Southern Educational Review Volume 3 Click the link under to get "Southern Educational Review Volume 3" PDF file. Read PDF »



[PDF] A Year Book for Primary Grades; Based on Froebel s Mother Plays Click the link under to get "A Year Book for Primary Grades; Based on Froebel s Mother Plays" PDF file.

Read PDF »