



The Botanical gazette Volume 51

By University Of Chicago

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 sapflow, as it may perhaps be called, has been...



Reviews

Good electronic book and valuable one. It is one of the most incredible publication we have read through. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- Mrs. Bridgette Rau MD

Unquestionably, this is the greatest operate by any article writer. I could comprehended everything out of this written e ebook. Your way of life span will be transform as soon as you total reading this book.

-- Andy Erdman