SUGGESTIONS FOR ADDITIONAL EXPERIMENTS

1. Perform the calcium and EDTA/EGTA experiments on roots which possess root caps. Are the results identical? What factors would account for the differences observed?
2. Perform the calcium and EDTA/EGTA experiments on roots, but place the calcium and EDTA/EGTA sources at the elongation zone instead of the root tip. How would you account for the differences observed? (Remember calcium is associated with the sensor mechanism.)
3. If proper facilities for utilizing radioactive materials are available, prepare an additional set of agar plates and incorporate radiolabeled calcium chloride into the medium. Sufficient label should be used to provide 20,000 - 30,000 CPM per block. Use the same experimental design as procedure A except place a donor block with radiolabel on one side of the root and a receiver block with no additive on the opposite side of the root. After one hour, remove the receiver blocks and count the radioactivity which moved across the root. What is effect of the root cap on transport of the radiolabel?

LITERATURE CITED


Editorial Policy Changes and a New Journal Title

On February 9th and 10th, 1991, the steering committee of AMCBT met at Rockhurst College. We voted to change of the name of our journal from Midwest Bioscene to Bioscene: Journal of College Biology Teaching. The reason for the change was to better indicate the coverage of our journal. Secondly, now that Bioscene is no longer a newsletter and is serving some of our contributors as part of their professional work which counts towards annual activities, reappointment, rank and tenure, we voted to have Bioscene become a refereed journal. Therefore, we decided that all full manuscripts will be sent to two members of the editorial board for review. If there is a split vote, the manuscript will be sent to a third reviewer at the discretion of the editor. Material can still be printed in the News and Views Section without review beyond the editorial office. We hope that these changes will serve the membership better.

At the annual meeting, it was announced that three members of the editorial board have retired: Robert H. Buchholz, Joe Kapler, and Russ Tepaske. We sincerely thank each of them. Sue Speece has accepted the duties as the new chairperson of the board, Tim Mulkey has accepted the position of secretary of the board (Ray Reed will stay on as a regular member), and Bruce Edinger will serve as the third new member of the board. Welcome!