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New Units Available

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Ross has also been the recipient of the Marshalltown Jaycee's Outstanding Young Educator Award and the Iowa Jaycee's Outstanding Young Man in Education Award. He has published articles in the *Iowa Science Teachers Journal* and *Nation's Schools*. In addition, he is co-author of *Environmental Quality and the Citizen* published by the Soil Conservation Society of America.

Congratulations are in order for both recipients. Keep up the good work.

* * *

New Units Available

Agricultural Research Service scientists and high school teachers have combined their skills to create innovative science units. These classroom-tested aids are complete teaching units. Each unit consists of a teacher's section (material's list, background information, suggestions for implementation) and a student's section (background reading, investigations, questions for thought, suggestions for outside reading and additional activities). Student investigations are based on current USDA research programs and techniques -- most can be carried out using standard laboratory equipment or improvised equipment found in the home, supermarket or hardware store. The units are not copyrighted and may be reproduced for classroom use.

- Dehydration for Food Preservation -- determine the best solution for the osmotic dehydration of apple slices; build an emergency water purifier. (Gr. 9-12)
- Mushrooms, Nature's Recyclers study fungi and the effect they have on common waste material found in and around the home and school. (Gr. 7-12)
- Carbohydrates: The Major Energy Source for Living Things -- identify carbohydrates using ARS research techniques. (Gr. 11-12)
- Plant Pigments -- analyze the physical factors that affect color changes in plant foods during processing and preparation for consumer use. (Gr. 9-12)
- Tannin: Nature's Filter -- investigate how well agricultural by-products remove metal pollutants from water. (Gr. 9-12)
- Lysozyme: The Cooperative Enzyme -- isolate an enzyme in its crystalline state from egg white. (Gr. 10-12)
- Fermentation: Activities of a Fabulous Fungus -- collect, record and interpret data on the effect of temperature in yeast fermentation. (Gr. 7-10)

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