

1983

## A New Association for Earth Science Teachers

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*Biological Illustration: Techniques and Exercises* is designed for either class or self use in progressing from the elementary use of and facility with the pencil to the use of special techniques for special effects.

The authors begin with an introduction to the skills, a general outline of the plan of their book, and a discussion on natural and acquired talent.

They continue into beginning instruction with the pen and pencil dealing with such topics as perception, concepts of distance, perspective, foreshortening, techniques used in creating shadow, tone, and texture, light sources and highlights, halftone reproductions versus linecuts, tracing and stippling, scratchboard illustrations, and the use of overlays.

Barbara N. Rankin, medical illustrator, writes: "As an extension of the classroom experience, the inclusion of critical questions for self-evaluation at the end of each study provides a distinct advantage when using the workbook with the watchful eye of an instructor."

*Biological Illustration: Techniques and Exercises* will be valuable to high school and college teachers in graphic arts and sciences and to professionals in similar professions. It is available from bookstores or from the Iowa State University Press.

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### **A New Association for Earth Science Teachers**

The Michigan Earth Science Teachers Association (MESTA) has been a positive influence in earth science education primarily through their activities, which include an annual conference, field trips, a quarterly publication and presentations at professional meetings in the state. Almost a year ago the Association voted to devote some of its resources and guidance for earth science teachers on a national basis by sponsoring the National Earth Science Teachers Association.

Through casual solicitation and word of mouth, mostly at NSTA in Chicago, MESTA already has nearly 50 charter members from all over the country who have paid the \$5 annual dues and who are receiving copies of the *Michigan Earth Scientist*. A founding meeting has been arranged at NSTA in Dallas this year, from 8:00 to 8:50 a.m. on Saturday, April 9, 1983 in Room E408 in the Convention Center. We invite you to be there, pay your \$5 annual dues, become a charter member, elect officers and conduct other business.

MESTA, with a current membership of about 130 and an 18-year history, is organized primarily by K-12 teachers with some assistance and appropriate advice from college faculty. They successfully achieve their purpose, which is "the advancement, stimulation, extension, im-

provement and coordination of earth science education at all educational levels." Their sponsorship involves providing advice from their own experience to organize nationally with state chapters, suggesting ways to get in touch with earth science teachers, strategies to use human and material resources, creating the latter for their own region, and initial participation in the *Michigan Earth Scientist*, perhaps in the form of "regional news," with the later development of the *National Earth Scientist*.

MESTA invites you to be a part of this exciting, inexpensive opportunity to develop earth science education and yourself by coming to:

Room E408, Convention Center, Dallas at 8:00 AM, Saturday,  
April 9, 1983

If you cannot come to Dallas, but still wish to be a charter member, send your name, address and annual membership dues (\$5) to:

MESTA

% Department of Geology  
Michigan State University  
East Lansing, Michigan 48824

### **Rocket Workshop**

**Robert L. Cannon, Director of Educational Services**  
**Estes Industries Inc.**  
**Penrose, Colorado 81240**

Would you like a popular, educationally sound, hands-on workshop for your next convention or conference? The workshops on the educational applications of model rocketry put on by Estes Industries have proven very popular. The basic workshop requires a time period of 1½ to 2 hours for the talk, demonstrations, and actual construction of a model rocket by each teacher participant. We have conducted these workshops for area and national conventions of the National Science Teachers Association and for teacher groups in over half the States.

We furnish a competent leader to conduct the workshop. We like to provide an opportunity for each teacher to make the first flight right at the convention with our leader present. This requires a suitable launch site (baseball diamond-sized or larger) and a thirty minute time period set aside at least two hours after the basic workshop. (This allows time for the glue to dry.) The launch is not essential, but has proven very popular with the participants as well as being a good crowd-pleaser if everyone is invited out to see it.

Each workshop should consist of 50 or more teachers, but exceptions are possible. There is no charge for these workshops. The only limitation is how many we can provide under each year's budget. If you would like to have us present one of these workshops, please write to me now. An estimate of probable attendance at the workshop will be helpful.