

The American Biology Teacher

Journal of the National Association of Biology Teachers
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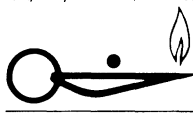
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NEWS & VIEWS

Honorary Members

Each year NABT attempts to identify one or more people who have "achieved distinction in teaching, research, or service in the biological sciences," for recognition as Honorary Members. Those selected are recognized at our annual banquet held during the convention, and receive lifetime membership in NABT.

This year the Honorary Membership Committee is chaired by NABT Vice-President **Marjorie King**. Nomination for this prestigious award, our equivalent of an honorary degree, should be forwarded as soon as possible to her:

Marjorie M. King
Science Consultant
Jefferson Parish School System
519 Huey P. Long Avenue
Gretna, LA 70053

Nominations can be made by any NABT member; just three things are required:

1. a letter describing the candidate's qualifications;
 2. a detailed biographical summary, or *curriculum vitae*;
 3. supporting letters from at least nine other NABT members, which may be sent separately.
- Is the candidate widely known (nationally or regionally) by people in the field of biology education?
 - Have the candidate's contributions to biology education been ongoing for ten or more years?
 - What impact has the candidate's work had on biology education in the last ten years?
 - What effect has the candidate and his or her work had on young people, either directly or indirectly?
 - Does the candidate appear to be a model for "the rest of us" in biology education?

Nominations should be in the Committee's hands by June 20th, including letters of recommendation.

Search for Excellence in Science Education

The members of the NABT Search for Excellence in Science Education Committee, **Jane Butler Kahle** (chair), **Jerry Resnick**, and **Steven Gilbert**, have submitted the following report of their activities.

During the fall, NABT joined with NSTA to conduct a nationwide search for an exemplary biology program, representative of the best in biology education. This search was part of a three-year National Science Foundation grant to the National Science Teachers Association. During the second year of NSTA's Search for Excellence in Science Education, emphasis was placed on teaching in the specific disciplines, and NABT was asked to identify an exemplary biology program. Unlike previous searches which focused on exemplary teaching, this one centered on the total biology program within a school.

An extensive distribution of application forms resulted in the nomination of a number of outstanding programs for the honor. The Committee selected the biology program at Shawnee Mission South High School, Kansas City, KA to represent the best of biology in an upcoming publication by NSTA. Interesting aspects of this program include a world futuristics course which stresses the long-term quality of life on our planet; a field techniques course, in which high school students are trained as naturalists to instruct elementary students in a 24-acre environmental laboratory; and an environmental problems course which considers the impact of humans on specific environments. **Dr. F. Gene Hampton**, who coordinates this program, and his entire staff are to be applauded for their outstanding work.

Shawnee Mission South Biology Teachers will present highlights of their program at our 1983 Convention (Philadelphia, October 20-23). In addition, all finalists have been asked to share their innovative ideas with us then. Don't miss this opportunity to share ideas and curricula.

Coalition for Education in the Sciences

The AAAS and other scientific and education societies and organizations (including NABT), have recently formed an informal partnership called the Coalition for Education in the Sciences. Its purpose is to enhance the role of professional societies in improving precollege education in science, mathematics, and technology throughout the U.S. and, more specifically, to help the member organizations in their efforts to:

- 1) inform the nation's scientists and engineers on the seriousness of the situation in science and mathematics education and engage them in efforts to improve it;
- 2) upgrade the competence and status of mathematics and science teachers;
- 3) improve the science and mathematics experiences of students;
- 4) increase public understanding of mathematics, science, and technology, a prerequisite to sustained improvement of precollege education in the sciences;
- 5) promote the support and use of fundamental and applied research relevant to improving mathematics, science, and technology education; and
- 6) inform the political system as it formulates policies that affect science and mathematics education in America.

Nominations Are In Order

Julia Riggs, 4706 Begonia Lane, Victoria, TX 77904, is chairing the Nominating Committee and would like to receive your suggestions of people to run NABT during 1984 and beyond.

The following offices are to be filled:

Vice-President (President-elect);
Secretary-Treasurer (2-year term);
Director-at-Large (2-year term);
Coordinators for the following regions (3-year terms): Region I, Region IV, Region VII, Region X.

The Nominating Committee must present a slate of two candidates for each position to the President by July 1. This means you should act quickly and make your suggestions by late May. Provide name, address, telephone number, some background, and why you believe your nominee will be an effective officer, if elected.

Up the Taxonomic Ladder

Congratulations to winners in NABT's Up the Taxonomic Ladder membership drive contest. By bringing in new members for NABT, they helped themselves and our organization, which cannot survive without new members and new ideas. Winners were:

Phylum Club (six or more members): **Loren Denney**.

Class Club (five members): **Dean Jernigan**.

Genus Club (two members): **Sr. Marin Johnson, Mark A. Schlessman, and Carole B. Shmurak**.

Species Club (one member): **Curtis B. Aspril, Jr., Kenneth L. Carpenter, Frances E. Crawford, Eleanor Davey, Christina A. Davies, Marvin Fietelson, Paul J. Hummer, Irma S. Jarcho, Leonard C. Lehman, Ann Haley-Oliphant, Murray P. Pendarvis, Kathy Stern, James Wandersee, and Bill Warner**.

Our special thanks also to the companies which contributed their fine products as prizes: **Carolina Biological, LaMotte Chemical, and Swift Instruments**.

Sue Varney Nolan

Sue Varney Nolan, Promotion Manager, has left the employ of NABT. Convention affairs are presently being handled by Executive Director **Wayne Moyer**, while advertising functions for *The American Biology Teacher* have been assumed by **Diana Baber**, Managing Editor.

Sue Nolan has been with NABT since 1974 when she joined the staff at the old office on N Street in Washington, D.C. She came from a career in hotel work, where she last served as assistant to the Reservation Manager of the Boca Raton Hotel and Club, and immediately took charge of the NABT Convention. Many members came to know her while working on the meetings held in such diverse places as Portland (1977) and Detroit (1982), and came to appreciate her skill in organizing a complex convention.

In addition to meetings management, Sue Nolan was also responsible for directing the advertising department of the *ABT*, and more recently for supervising direct mail membership promotions. She served as interim Executive Director following the resignation of Jerry Lightner, from January through May 1979.

ATCC Science Education Units

Space exploration has captured student attention and opened their minds to the macrocosm and now ATCC (American Type Culture Collection) educational units will provide windows to the microcosm. The first four units will be exhibited at the NSTA meeting in Dallas, April, 8-10.

Dr. Pierre-Marc Daggett, Curator of the Prostitution Collection, managed the development of the units with assistance from **Frank Simione**, Applied Sciences Coordinator. Consultants for the project, all recipients of outstanding biology teacher awards, were suggested by NABT.

Be a Winner

The Northeast Natural Science League, a nonprofit, all-volunteer environmental organization devoted to wildlife and natural resources in the 13-state area of the Boston-Richmond megalopolis, announces its fifth annual natural science photographic competition. The deadline for entries is June 15, 1983.

Photographs must be taken anywhere in the Virginia-Maine 13-state corridor, and may be of either nature subjects or environmental topics. Color slides, color prints, and black-and-white prints will be included. NABT has offered to use the winning black-and-white print on a future cover of *American Biology Teacher*.

The winners will be selected by a panel of judges at Princeton University during the week of June 18. For entry forms and complete details, send a stamped, self-addressed envelope to the Northeast Natural Science League, P.O. Box 427, Peapack, NJ 07977.

AISE Seeks Families

Host families are being sought for 25 high school students from Europe, South America, Canada, and Japan for the school year 1983-84 in a program sponsored by the American Intercultural Student Exchange (AISE). AISE is also seeking American high school students ages 15-17 who would like to spend a high school year in Sweden, Norway, Finland, Germany, Spain or

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The Taft Educational Center

THE TAFT SCHOOL / WATERTOWN, CONNECTICUT 06795

ADVANCED PLACEMENT INSTITUTE

These one-week workshops are sponsored jointly by The Taft School and the College Board. Curriculum supervisors and classroom teachers who plan to teach AP courses

Tuition and Costs: Tuition, which includes accommodations and meals at Taft, is \$280 per week. There is no charge for accommodations for participants who remain at Taft during the weekend between different workshops, non-tuition spouses, room & board, \$140; Children, \$100; Children in arms, Free; Commuting participants, \$190 per week with lunch.

Credit: The University of Hartford will issue graduate credit at a cost of \$30 a credit hour. Two graduate credits will be given for each week spent at Taft.

AP BIOLOGY #111 (two grad. credits)

6/26-7/1

AP BIOLOGY LAB #211 (two grad. credits)

7/3-7/8

SELECTED TOPICS IN FIELD BIOLOGY #321

(four graduate credits)

7/10 - 7/22

This two-week session offers an intensive field program in natural history and laboratory biology. It is designed to be useful to both the experienced and beginner teacher. The course has five major objectives. The first is to acquaint the participants with the flora and fauna of Connecticut. The area of Connecticut to be studied is representative of much of Eastern, Midwestern, and Southern United States. The second objective is to help the participant develop a sense of interpretation and confidence in a field situation. The third is to expose participants to a variety of techniques for collecting and analyzing field data. Fourth will be to share ideas, resource material, and lesson plans with other participants. The last objective is for participants to work on materials and methods that they will use in their own schools and programs in the Fall. This workshop will operate out of the ecology laboratories on The Taft School campus and will take daily field explorations to selected sites in the varied terrain of Central and Northwestern Connecticut.

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France, or participate in a five-week Host Family stay in Sweden, Norway, Finland, Spain, or Columbia. Families interested in the program should contact the AISE Regional Office, 2517 Natta Blvd., N. Bellmore, NY 11716.

Among the Affiliates

Brother James A. Petrait, O.S.F.S., President of the Michigan Association of Biology Teachers, announces that the membership of MABT has more than doubled in the past ten months, and now numbers over 100. Michigan biology teachers interested in joining MABT should contact Br. Petrait (22210 Champaign Street, Taylor, MI 48180) for more information.

The Illinois Association of Community College Biologists will hold its 11th Annual Fall Conference at Allerton Park, Monticello, IL, October 1-2, 1983.

Calendar

An international seminar on the topic Misconceptions in Science and Mathematics will be held at Cornell University, Ithaca, NY June 20-22. Papers will be presented and workshops will be held on such topics as categories of "misconception," methods of detecting misconceptions, and consequences of misconceptions. For more information, contact **Dr. Hugh Helm**, Department

of Education, Stone Hall, Cornell University, Ithaca, NY 14853.

Princeton, NJ will be the site of CE '83, a major conference and summer institute for educators on the subject of Computers in Education '83. This year's theme will be "Necessary Direction for Computer Education: Navigational Aids for the 80s." The focus of the Conference on June 27-29 and the four-week Summer Institute, June 20-July 15, centers on microcomputers and other new information technologies and their impact on education at elementary, secondary, and college levels. For more information, contact **Dr. Mitchell E. Batoff**, Institute for Professional Development, 245 Nassau Street, Princeton, NJ 08540 (609) 924-8333.

Educare '83, the ninth Australasian Education Exhibition, is scheduled for August 8-11 at Sydney, Australia. The biennial event is attended by teachers, librarians and administrators from all grades and features exhibits of new products and publications. For additional information, contact **Kenneth Clouse**, 333 Quail Hollow Road, Felton, CA 95018.

The Colorado Biology Teachers Association, in cooperation with the Colorado Association of Science Teachers and the Colorado School Health Council, announces its Science/Health Conference, to be held June 13-17, 1983 at the YMCA in Estes Park, CO. The theme will be "Technology and Health: Impact

on Our Lifestyle." College credit courses and CEUs will be offered, and nationally known speakers will be featured (more on these speakers later). For information contact Joyce Carraway, 2210 Howard Pl., Boulder, CO 80303 (303) 494-0482, or write to the Science/Health Conference, 5130 Nassau Circle, Englewood, CO 80110.

The Massachusetts Institute of Technology will offer a one-week elementary course in Design and Analysis of Scientific Experiments, July 11-July 16, 1983. Applications will be made to the physical, chemical, biological, medical, engineering, and industrial sciences, and to experimentation in psychology and economics. The course will be taught by Professor Harold Freeman and Paul Berger. Further particulars may be obtained by writing to the Director of Summer Session, Room E19-256, Massachusetts Institute of Technology, Cambridge, MA 02139.

Publications

1983 *Conservation Directory* (28th edition) is now available from the National Wildlife Federation for \$9.00 plus \$1.55 shipping charge per order. The Directory lists 1,800 organizations and more than 12,000 individuals concerned with natural resource use and management. Write to National Wildlife Federation, 1412 Sixteenth St., N.W., Washington, DC 20036.