

Kansas Association of Biology Teachers

K A B T Newsletter

January 1992 Volume 33, No. 1
Paul G. Jantzen, Editor

Calendar - Looking Ahead

1992	Event
January 25	Executive Board Meeting - Manhattan High School - 11:00 am.
March 26-29	NSTA National Convention - Boston
April 24-26	KATS KAMP - Rock Springs Spring Meeting Date To Be Announced
November 11-14	NABT National Convention - Denver

Please mail or phone meeting dates and other items of interest to biology teachers to Paul G. Jantzen, Editor, 107 North Madison, Hillsboro, KS 67063 (316) 947-5433.

Your membership expiration date can be found on your mailing label.

KABT Notes - From President to KABT Members,

As my tenure as your president begins, I am looking forward to a very exciting three years. I believe the future of this organization is bright. KABT has enormous possibilities for sharing, learning, and just basically improving biology teaching throughout the state. It is my hope that KABT can be utilized by all its members; both by providing practical teaching materials for the classroom, and in the sharing of ideas and experiences.

While I have many ideas and plans that I hope to implement during the next three years, the success of this organization will ultimately depend upon you. Your participation as a member of KABT is crucial for its growth and success. Please find time to get involved, whether it be in contributing articles for the journal, volunteering for different KABT offices, or presenting at our fall workshops. Your involvement will make a difference! Once again, let me encourage you to become a more active member of KABT.

In the coming winter meeting I plan on suggesting that we continue to organize the traditional fall meetings as workshops and the spring meetings as a field experience. To increase participation, I would like to expand the number of available field explorations in the spring. Since several members have already indicated they are in favor of opening their own annual trips to fellow members, this seems to be a simple way to implement more field experiences for our members. The fall workshops I would like to develop around three basic biological themes. I have chosen genetics, ecology, and

physiology (microbial, plant, and animal) as my preliminary selections for the three themes. Final selections will be considered during the winter board meeting.

The number of outstanding biologists that belong to KABT is incredible. If we can tap just a fraction of the knowledge that each of you possess, I am sure KABT will be a tremendous success. Write or call Manhattan High School with any ideas, suggestions, or advice that you would like to share with me.

May your school year progress smoothly, your students remain excited, and your love and knowledge of biology continue to spread.

Pat Lamb

PUBLISHING DATES FOR THE KABT NEWSLETTER are the first day of September, November, February and April. Manuscripts must reach the editor by the 15th day of the previous month. The KABT Newsletter includes abbreviated minutes of the official meetings, announcements of future activities, brief news notes, and other brief items of interest to biology teachers. Send your contributions to Paul G. Jantzen, Editor, 107 N. Madison, Hillsboro, KS 67063 (316) 947-5433.

Newsletter Information Needed: Articles are needed for the newsletter. Please forward them to Paul G. Jantzen, KABT Newsletter Editor, 107 North Madison, Hillsboro, KS., 67063. It would be most helpful if you could send information typed on Appleworks, Macintosh, or ASCII files.

Please pardon this late newsletter. The most helpful events that could occur would be for all individuals sending information to the newsletter to send it via PSINet-KEMNET or on a disk. Make sure it is as an ASCII file if it is not MacIntosh.

The Kansas Biology Teacher Is Off The Ground

The first issue of KABT's journal, The Kansas Biology Teacher, has been mailed. We hope you find its contents helpful and stimulating. While you examine its contents, think about what you can do to make the next issue even better. I'd suggest you plan to write your own contribution to the journal. Its purpose is to share ideas regarding the teaching of biology. We know you have many ideas the rest of us would like to know about.

Send your article(s) to the editor this summer, at least by October, so we can suggest possible changes that can improve the manuscript for publication. pgj

Environmental Tapes For Kids

The Rotten Truth: Where do smelly old sneakers, sticky soda straws, and other yucky things go after you throw them away? To find out, 3-2-1 CONTACT takes you along on an adventure to discover the "Dirty Rotten Truth" about garbage---visit a landfill, take a tour through the "Museum of Modern Garbage", and much more in this 30 minute video.....\$15.00

You Can't Grow Home Again: The rainforest is...poison arrow frogs...plants without roots... iguanas for lunch...and lots more! Get a special kid's eye-view of the Costa Rican rainforest in "You Can't Grow Home Again". See what lives there, understand the effects of rainforest destruction, and find out what can be done to help rainforests survive in this 60 minute video. Teacher's Guide included.....\$20.00

Down the Drain: 3-2-1 CONTACT invites you to take a close look at something that's easy to take for granted---water. The earth is covered with it. Humans are full of it. And almost everything depends

on it. But there's only so much useable, clean water to go around. Find out just what makes water so precious in this fascinating 30 minute video. Teacher's Guide included.....\$15.00

Bottom of the Barrel: Oil---it's really great stuff. It helps us get where we're going, keeps us warm once we get there, and plays a part in almost everything we do. But air pollution, oil spills, and shrinking supplies make our dependence on oil a big big problem. Want to know more? Dig up the facts with 3-2-1 CONTACT. This 30 minute video is an entertaining way to learn about oil.....\$15.00

All are available from

3146 Shadow Lane
Topeka KS 66604
1-800-423-7202

ecol-o-kids

school purchase orders
are accepted.

Please include \$1.50 per
video to handle shipping.

Checks, credit cards, and

New: Kansas Wildlife

Brilliant color photos of 121 back-boned creatures that spend their adult lives on land are featured in Kansas Wildlife, a new book from the University Press of Kansas. Editor Joseph T. Collins says that "probably no more diverse collection of high-quality color slides of Kansas amphibians, reptiles, birds, and mammals has ever before been available for consideration in a single book."

Four of Kansas' top-notch photographers took tens of thousands of photographs and selected the best for this collection. Wildlife photographers Bob Gress, Gerald J. Wiens, Suzanne L. Collins, and Joseph T. Collins have already shared their work in various regional and national magazines and books. Gress is director of Wichita Wild. Wiens is director of Chaplin Nature Center. Suzanne Collins coauthored Reptiles and Amphibians of the Cimarron National Grasslands. Joseph Collins is a former president of the KABT and author or coauthor of the Peterson Field Guide to the Reptiles and Amphibians of Eastern and Central North America, Reptiles and Amphibians of Kansas, and Natural Kansas.

Each photo has an extensive caption, providing habit and habitat information. So, if you have a moment to spare, scan a page or two and learn a few nature facts. Or, share these photos and facts with the kids or grand kids (as I did). The introduction includes a compelling essay by Joseph T. Collins on why we should preserve the biodiversity of Kansas. Indeed, this volume itself is an argument from aesthetics, a glimpse at a wilderness environment that gives our souls a lift and restores "our sense of balance in a people-dominated world."

This book is a must for your school's nature library. And what a gift for a friend!

Order from University Press of Kansas, 2501 West 15th Street, Lawrence, KS 66049. Price \$19.95 plus 2.50 4th class (3.00 UPS) and 0.50 additional postage per additional copy. To order by VISA or Master Card, call 913-564-4155. pgj

Free and Inexpensive

To aid secondary science instructors and supervisors in selecting textbooks that provide adequate coverage of population dynamics and impacts, ZPG's Population Education Program has released Teaching Population: Which Textbook to Choose? In preparing the report, ZPG's Population Education Program Surveyed 44 current editions of life science, biology, advanced placement biology and environmental science textbooks from 17 publishers. Each textbook is rated on an easy-to-read matrix which indicates how the book addresses general population information, human population dynamics, projections for future, and the link between population growth, resource depletion and environmental quality. Information on the length and placement of population

coverage is also included. Single copies of the textbook survey are available free of charge from ZPG, 1400 16th Street, NW., Suite 320, Washington, D.C. 20036

Single copies of Earth Guide: 88 Action Tips for Cleaner Water, 24 page booklet. Contact New York Sea Grant Extension Program, 125 Nassau Hall. SUNY, Stony Brook, NY 11794-5002: (516) 632-8730.

Up to 25 copies of the booklet To Succeed in Science, prepared by researchers at Educational Testing Service with NSF support. Write Publication Order Services, PO Box 6736, Princeton, NJ 088541-6736.

Single copies of Earthquake Education Materials for Grades K-12. Contact Katharyn E. K. Ross, Education Specialist, National Center for Earthquake Engineering Research, SUNY - Buffalo, Red Jacket Quadrangle, Buffalo, NY 14261: (716) 636-3391.

Single copies of The Effectiveness of Microcomputers in Schools. Write Software Publishers Association, Attn: Julie Stewart, 1101 Connecticut Ave. NW, Ste. 901, Washington, DC 20036.

Sea Grant Abstracts: Publications from the Nation's Sea Grant Programs. Write National Sea Grant Depository, Pell Library Bldg., University of Rhode Island, Narragansett Bay Campus, Narragansett, RI 02882: ask to get on the mailing list.

Information and statistics on AIDS. Write HIV/AIDS Surveillance, Dept. of Health and Human Services, Public Health Service, Centers for Disease Control, Atlanta, GA 30333; ask to be placed on their mailing list.

Booklet on how Americans can reduce solid waste at home, the workplace, and in their communities. Write Solid Solutions for Solid Waste, PO Box 1752, Ridgely, MD 21681.

Read, Then Recycle, booklet published by the American Newspaper Publishers Association containing facts, information, and statistics on newspaper recycling. Write Ruth Finn at The Newspaper Center, Box 17407, Dulles Airport, Washington, DC 20041.

The Newspaper: A Tool for Teaching Environmental Awareness, 48-page booklet of 24 activities suitable for K-12 students. Write The Patriot News Cl., 2214 Market St., Camp Hill, PA 17011; or call Carol Conrad at (707) 975-9773.

Gene Pool, free resource letter for educators and students. Contact Nancy Warren, Children's Medical Center, Region 11 Genetics Center, One Children's Plaza, Dayton, OH 45404; (513) 559-4200.

"Aids and the Education of Our Children", a guide for teachers and parents. Write Consumer Information Center, Dept. of Education, Pueblo, CO 81009.

Environmental Education Materials for Teachers and Young People (K-12) and Books for Young People on Environmental Issues (K-12). Contact EPA, A108 EA, 401 M St. S.W., Washington, DC 20460; (202) 382-4454.

"Greenhouse Effect and Global Climate Change - 17 Day Unit". Available in draft form from Christine Shannon, Lawrence Livermore National Laboratory, Science Education Center, PO Box 808, L-793, Livermore, CA 94550.

"Kids for Saving Earth" guidebook, 48 pages. Write Kids for Saving Earth, PO Box 47247, Plymouth, MN 55447.

Drug prevention catalog. Write Landoll, Inc., Dept. 45, PO Box 241, Hayesville, OH 44838.

Catalog from Grantsmanship Center, includes list of reprint articles on program planning and proposal writing. The articles aid in writing grant proposals. Write Grantsmanship Center, Dept. DD, PO Box 6210, Los Angeles, CA 90014.

Microbiology: Challenges for the 21st Century, Seeing the Unseen career posters. Write Office of Education and Professional Recognition, American Society for Microbiology, 1325 Massachusetts Ave. NW. Washington, DC 20005.

Subscription to Sierraecology, quarterly newsletter highlighting environmental education information. Contact Ellen Byrnes, Sierra Club, 730 Polk St., San Francisco, CA 94109; (415) 776-2211.

One on One: A Guide for Establishing Mentoring Programs. Write U.S. Education Dept., O.P.B.E., Rm. 4049, 400 Maryland Ave. SW. Washington, DC 20202-4110.

Catalog containing photos and detailed descriptions of estuarine fauna, a how-to guide, and articles such as "Keeping a Marine Aquarium." Write Gulf Specimen Marine Laboratories, Inc., PO Box 237, Panama, FL. 32346.

The United Nations International Space Year 1992 guidebook, 26 pages. Write Outer Space Affairs Division, United Nations, New York, NY 10017.

Callender - Outstanding Biology Teacher for Kansas

The National Association of Biology Teachers, in conjunction with Prentice Hall is pleased to present Terry Callender with the 1991 Outstanding Biology Teacher Award. This honor, given annually since 1961, identifies a teacher from each of the fifty states, its possessions, Puerto Rico, and Canada who have made valuable contributions to the profession and to their students. Criteria for the award include teaching ability, experience, inventiveness, initiative, inherent teaching strengths, and cooperativeness in the school and community.

Terry Callender is a biology teacher at Wamego High School. Terry received his BSE degree in Biology from Emporia State University and his MS in Curriculum and Instruction from Kansas State University. Terry's teaching career spans twenty years, and includes teaching at Salina Central High School, Campus High School, Wamego High School and environmental education instructor for the Youth Conservation Corps.

Terry is also a regional Director of the Kansas Association of Biology Teachers.

Callender believes that the role of a biology teacher is to try to make biology fun for students and himself but at the same time making it relevant to their lives. He uses his interest in teaching, making himself an excellent model for his students. To accomplish this Callender uses a hands-on/mind-on oriented program in his classroom.

