

# Kansas Association of Biology Teachers

## K. A. B. T. Newsletter

December 1992 Volume 33, No. 4

John Wachholz, Editor

### Calendar - Looking Ahead

<b>1992</b>	<b>Event</b>
January 30	KABT Board Meeting - Emporia State University - 10:00 am
<b>1993</b>	<b>Event</b>
April 1-4	NSTA National Convention - Kansas City
May 29-30	KABT Spring Field Trip - Cimarron National Grasslands

Please mail or phone meeting dates and other items of interest to biology teachers to John Wachholz, 2311 Applewood Lane, Salina, Kansas 67401, (913) 825-7742.

Your membership **expiration date** can be found on your mailing label. All dues are now payable on **September 1st** of each year.

#### **KABT Notes - From President to KABT Members**

This fall has been a very active one for KABT. We have sent members newsletters and journals, plus held a Genetics and Evolution conference. Thanks to the excellent presentations by fellow members and professional speakers the conference was both informative and interesting. If you weren't able to attend KABT's conference, hopefully you were able to go to Denver for NABT's National Conference. Stan Roth and Steve Case both took van loads of biology teachers up to Denver. I rode in Stan's van. The exchange of ideas and conversations with fellow members made the trip seem very short. It was a great way to travel. The conference was packed with interesting biologists, presenters, and exhibits. Field trips to Rocky Mountain National Park allowed members to observe huge numbers of elk, deer, and bighorn sheep. After both of these conferences, I have found that my only problem remaining is finding time to incorporate all the information, ideas, and new labs I've picked up.

Don't forget our spring trip to the Cimarron Grass Lands during Memorial Day weekend. Bob Rose and Stan Roth have worked hard to make it a great trip. Bob is preparing a booklet with the natural history of the area along with bird and animal checklists. So place it on your calendar now and look for details in the next newsletter.

Our organization is growing. Evidence of this is in our membership which is increasing, and in our new publication. The first fall issue of The Kansas Biology Teacher was sent out at the end of September. This is the second newsletter to be sent out since the start of school. John Wachholz and Richard Schrock are working hard to keep you informed on important news in both biology and science education. If you have a biologist on your faculty that either doesn't belong to the KABT or is just beginning to teach, do him/her a favor and give them a membership form. There's one on the back of this newsletter.

KABT can be only successful as its members will allow it to be. Please be an active member of KABT. Find time to get involved. Send a favorite lab or article to our editors, volunteer for a KABT office, or be a presenter at one of our meetings. Your involvement will make a difference! KABT is packed with great biologists. I know that the sharing of ideas and experiences with other KABT

members has improved not only my knowledge of biology but my teaching as well. If you get involved and participate in KABT I'm sure it will do the same for you.

I hope the remainder of your semester is a great one and that I see you in the spring at the Cimmaron Grass Lands?

Keep the kids excited,  
Pat Lamb, President

**Cimarron National Grasslands Field Trip:** Bob Rose is in charge and Stan Roth will lead this spring field trip. Bob is putting together a field trip booklet for participants. He will mail them to the first 15 or so that pre-register. Each booklet will have natural history checklists, maps, historical notes, and other tidbits pertinent to a field trip. Watch for pre-registration details in future newsletters.

**PUBLISHING DATES FOR THE KABT NEWSLETTER** are the first week 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 John Wachholz, Editor, 2311 Applewood Lane, Salina, KS 67401 (913) 825-7742.

**Newsletter & Journal Information Needed:** Articles are needed for the newsletter. Please forward them to John Wachholz, 2311 Applewood Lane, Salina, Kansas 67401, (913) 825-7742. Please help with the newsletter. The most helpful occurrence would be for all individuals sending information to the newsletter to send it via PSINet-KEMNET or on a disk. If you send it on a disk, any format is acceptable. ASCII text is easy for me to work with. Your help is appreciated. (MSDos, Mac, Apple - just send it!) Articles for the **Kansas Biology Teacher** should be sent to John Richard Schrock, editor KBT, Division of Biology, Box 50, Emporia State University, Emporia, KS 66801-5087.

### **Outstanding Biology Student Certificates Are Available**

Send your name and address to KABT Student Certificates, 2311 Applewood Lane, Salina, KS 67401

### **The Kansas Biology Teacher Is Off The Ground**

The third issue of KABT's journal, The Kansas Biology Teacher is in your hands. We hope you found its contents helpful and stimulating, just as the first two issues. 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 John Richard Schrock, editor KBT, Division of Biology, Box 50, Emporia State University, Emporia, KS 66801-5087.

## **D O L P H I N   S T O R Y**

Every now and then something happens that shows how man's carelessness can affect other animals in his environment. The animal in this true story was a Risso dolphin, normally found only in mid-ocean.

People at Marineland, a zoo for sea life just south of Los Angeles, began receiving calls reporting that a dolphin, that seemed to be hurt, was seen in San Pedro Harbor. It is against the law to collect dolphins near shore unless they are ill and attempt to beach themselves. The dolphin finally did so and was rescued by the Marineland crew. The dolphin had two main problems - he couldn't swim

and he wouldn't eat. The trainers at Marineland patiently tried feeding him and swimming with him in a small tank at the zoo.

At first he began to get better and the trainers had high hopes. But then, 10 days after he had been picked up on the beach, the dolphin died. He had not been able to eat. An examination was held, and inside the dolphin were found: 20 to 25 giant 30-gallon plastic bags, two plastic 6-pack beer holders, and about 25 feet of plastic twine. In all, there were eight pounds of plastic litter inside the dolphin.

1. A good title for this story would be:
2. It is against the law to:
3. Who really killed the dolphin?
4. List some other litter problems:
5. How would you go about trying to solve the litter problem?

### **Becky Goodwin Name 1992 Kansas Outstanding Biology Teacher**

The National Association of Biology Teachers, in conjunction with Prentice Hall is pleased to present Becky Goodwin with the 1992 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.

Becky Goodwin is a biology teacher at the Kansas School for the Deaf in Olathe. Becky received her BS degree in Deaf Education from Kent State University in Ohio and her MSE in Science Education from the University of Kansas. Becky's teacher career spans twenty years, and includes teaching preschool through high school at the Kansas School for the Deaf and in the Columbus, Ohio Public Schools.

Goodwin views her role as a biology teacher as making biology understandable to all students, and meaningful to their everyday lives. To accomplish this, she uses a guided-discovery approach which forces students to solve problems using their own methods. Goodwin uses a hands-on learning approach at every possible opportunity, providing her students with a wide variety of student maintained plants, animals, and other organisms in the science lab.

Goodwin is currently working to construct an outdoor environmental education laboratory on the campus of the Campus School for the Deaf. This would allow students the opportunity to study

organisms in their natural environment, and provide students with a deeper understanding of environmental issues.

One former student said Goodwin provides "an exciting learning environment where students sneak in between class times just to see what is going on" and makes her lessons "something everyone can see and understand." A colleague has said "Through the use of as many hands-on activities as possible, Becky is able to relate curricular information and facts studied in biology to the real world."

The National Association of Biology Teachers and the Kansas Association of Biology Teachers is extremely proud of Goodwin's accomplishments and the news of her award. "Such accomplishments should make not only Becky's school, but the entire state proud. She is an exemplary member of the education community," Alton Biggs, National Association of Biology Teachers President said.

## **Why Should You Study Ecology?**

What can and should **you** learn from the basic introduction in an **ECOLOGY** course?

It should be clear that ecology forces us to recognize five major features of all life:

- 1. Interdependence**
- 2. Diversity**
- 3. Resilience**
- 4. Adaptability**
- 5. Limits**

Its message is not that we should avoid change, but that we should recognize that human-induced changes can have far-reaching and often unpredictable consequences. **ECOLOGY** is a call for wisdom, care, and restraint as we alter the ecosphere.

## STATE BIRD TEST

Matching: Choose the best answer. Use the answer even if the bird may have a somewhat different name. Example - Eastern Brown Pelican as Brown Pelican. Answers can be found in this newsletter.

<b>State</b>	<b>State</b>	<b>Bird</b>
<input type="checkbox"/> 1. Indiana	<input type="checkbox"/> 31. Massachusetts	A. Baltimore Oriole
<input type="checkbox"/> 2. New Mexico	<input type="checkbox"/> 32. Washington	B. Blue Hen Chicken
<input type="checkbox"/> 3. Nebraska	<input type="checkbox"/> 33. North Dakota	C. Bluebird (Eastern)
<input type="checkbox"/> 4. Arizona	<input type="checkbox"/> 34. Iowa	D. Brown Tanager
<input type="checkbox"/> 5. Rhode Island	<input type="checkbox"/> 35. California	F. California Valley Quail
<input type="checkbox"/> 6. Kentucky	<input type="checkbox"/> 36. New Hampshire	G. Cardinal
<input type="checkbox"/> 7. Montana	<input type="checkbox"/> 37. Ohio	H. Carolina Wren
<input type="checkbox"/> 8. Vermont	<input type="checkbox"/> 38. South Dakota	I. Chickadee
<input type="checkbox"/> 9. Texas	<input type="checkbox"/> 39. Virginia	J. Common Loon
<input type="checkbox"/> 10. Colorado	<input type="checkbox"/> 40. Delaware	K. (Eastern) Brown Pelican
<input type="checkbox"/> 11. Florida	<input type="checkbox"/> 41. Maine	L. Eastern Goldfinch
<input type="checkbox"/> 12. New Jersey	<input type="checkbox"/> 42. Pennsylvania	M. Goldfinch
<input type="checkbox"/> 13. Tennessee	<input type="checkbox"/> 43. New York	N. Hawaiian Goose
<input type="checkbox"/> 14. Wyoming	<input type="checkbox"/> 44. Mississippi	NCA. No Correct Answer
<input type="checkbox"/> 15. Michigan	<input type="checkbox"/> 45. Utah	O. Hermit Thrush
<input type="checkbox"/> 16. Hawaii	<input type="checkbox"/> 46. South Carolina	P. Lark Bunting
<input type="checkbox"/> 17. Alabama	<input type="checkbox"/> 47. Louisiana	Q. Mockingbird
<input type="checkbox"/> 18. Maryland	<input type="checkbox"/> 48. Illinois	R. Mountain Bluebird
<input type="checkbox"/> 19. Oklahoma	<input type="checkbox"/> 49. Georgia	S. Purple Finch
<input type="checkbox"/> 20. West Virginia	<input type="checkbox"/> 50. Kansas	T. Rhode Island Red
<input type="checkbox"/> 21. North Carolina		U. Ring-necked Pheasant
<input type="checkbox"/> 22. Minnesota		V. Roadrunner
<input type="checkbox"/> 23. Connecticut		W. Robin ( American)
<input type="checkbox"/> 24. Alaska		X. Ruffed Grouse
<input type="checkbox"/> 25. Nevada		Y. Scissor-tailed Flycatcher
<input type="checkbox"/> 26. Oregon		Z. Sea gull (California)
<input type="checkbox"/> 27. Wisconsin		AA. Western Meadowlark
<input type="checkbox"/> 28. Missouri		BB. Willow Ptarmigan
<input type="checkbox"/> 29. Idaho		CC. Yellowhammer (Flicker)
<input type="checkbox"/> 30. Arkansas		

### Answers To State Bird Test

# Earth's Ten Commandments

- I. Thou shalt love and honor the earth for it blesses thy life and governs thy survival.
- II. Thou shalt keep each day sacred to the earth and celebrate the turning of its seasons.
- III. Thou shalt not hold thyself above other living things nor drive them to extinction.
- IV. Thou shalt give thanks for thy food to the creatures and plants that nourish thee.
- V. Thou shalt limit thy offspring for multitudes of people are a burden unto the earth.
- VI. Thou shalt not kill nor waste earth's riches upon weapons of war.
- VII. Thou shalt not pursue profit at the earth's expense but strive to restore its damaged majesty.
- VIII. Thou shalt not hide from thyself or others the consequences of thy actions upon the earth.
- IX. Thou shalt not steal from future generations by impoverishing or poisoning the earth.
- X. Thou shalt consume material goods in moderation so all may share earth's bounty.





## Kansas Association of Biology Teachers, 1992-93 Officers

President: **Pat Lamb**, Manhattan High Schools, 2100 Poyntz, Manhattan, KS 66502. School: (913) 587-2100; Home: (913) 776-1438.

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