

A C R E S



QUARTERLY

SPRING • 1969

Volume VIII No. 2



SPRING

FIELD TRIP PROGRAM

APRIL 12 - Saturday Morning, 10:00 AM

LOCAL GLACIAL HISTORY

Dr. Jack Sunderman, Geology Department, IU-Purdue Campus will lead us on an expedition of local late Wisconsin glacial history, where we'll observe till plains, beach ridges, glacial lake beds, sand dunes and sluiceways. Dr. Sunderman's colleague, Geoffrey W. Mathews will help guide our expedition. Written data prepared by these men will be available for field trip participants.

MEETING PLACE:

Front (Faculty) Parking Lot on IU-Purdue Fort Wayne Regional Campus.

BRING:

Sack lunch. Camera, and, if you wish, a collecting sack, rock hammer and wear "go-anywhere" footgear.

PREPARE TO:

Double up with cars. This trip will be a caravan so we will assign as many as possible to each car.

MAY 4 - Sunday Afternoon, 2:30PM

WILD FLOWERS

Bob Weber, Melvin Zilz and Father Conan Taylor will be the Naturalists-in-charge and will divide the group into three parties to visit the Louis Dunten Woods and the Dewy Arnold Woods both in Perry Township, Allen County. The Children will be invited to join their own special group to field trip with Mrs. Barrett and Mrs. Dustin. They plan to hike the country roads and old railroad right-of-way which join the two woods. Adults may also, if they wish, hike the 3 miles between woods.

MEETING PLACE: Dunten Woods on Dunten Road

By Route 3 from Ft. Wayne, go north to Hometown. take Gump Road east to Dunten Road. Go south $\frac{1}{4}$ M. to Dunten Woods.

- or -

By Route 327 (was old U.S. 27) from Ft. Wayne, go north to Gump Road (Mobile Station). Take Gump Road west across R.R. track to Dunten Road. Go south $\frac{1}{4}$ M. to Dunten Woods.

QUARTERLY COVER ARTIST is Fern Berg, charter ACRES member. Fern is Elementary Education Art Consultant for the Fort Wayne Community Schools. Trained at New York State University and Ball State University, Fern says oils are her own favored media. Some of her students displayed their art work at ACRES winter meeting, Mar. 14.

APRIL 19

ACRES WORK CAMP

Work a day for ACRES. Outdoors!
Beautiful surroundings! Good company!
Lunch provided. Bring rake, loppers, clippers, work gloves. We'll start at 9 AM. Call for your assignment.

If you can work a day for ACRES-

Call: 456-4411 or 747-6030

If you would like to camp Saturday night, tell us when you call.



ACRES workers during last fall's work day, installed thirty self-guiding Nature Trail markers for the trail at the Edna W. Spurgeon Woodland Reserve. Special cement markers were separately cast and numbered by Tom Kohlmeier who is shown at the left, helping to install one.

Would you like to be an ACRES FIELD TRIP GUIDE? Let us hear from you. Call the ACRES Secretary, 456-4411.

Would you like to be an ACRES AREA SUPERINTENDENT? Let us hear from you. Call the ACRES Secretary, 456-4411.

ACRES MEMBERSHIP TOPS 300!

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THE EASTERN BLUEBIRD

AN ENDANGERED SPECIES ? ?

One of America's favorite song birds, the Eastern Bluebird, is disappearing so rapidly almost everywhere east of the Rocky Mountains that unless something is done to reverse the trend, this bird may become extinct before the end of the century.

This would be a real tragedy since Bluebirds are not only among our best loved birds and most beautiful thrushes, but they are highly beneficial to agriculture because of the large numbers of harmful insects they destroy without damaging crops in any way.

It is widely agreed that if the Bluebird survives it will be because man-made nesting boxes are provided in adequate numbers. The proper construction and placing of houses in rural areas is the key to the "battle for survival" for this somewhat shy bird.

Detailed instructions for making and placing Bluebird nesting boxes to meet the Bluebirds' needs and give them maximum protection follows:

LOCATION - Think, "wide open spaces"! Success with nesting boxes can only be expected in far outlying suburbs, small towns and rural areas. Pastures, fields, open waste lands, large lawns, cemeteries and golf courses. Ideally, the house should face an open area with a tree, fence or large shrub 25 to 100 feet in front. This affords the young a good chance of reaching a perch on their first critical flight. Avoid locations where insecticides and herbicides are in widespread use. Try to locate houses as distant as possible from places where common house (English) sparrows congregate. If close, they will take over the Bluebird house.

MOUNTING - Think, "predator control"! A smooth metal post such as a galvanized pipe is preferred to a wooden post, particularly if it is coated with soft grease. An 18" metal collar or conical guard attached just below the house on a wooden post will serve to discourage predators too. Common predators are snakes, raccoons, cats, and weasels. Houses should be mounted at a height from 3 to 5 feet, measured from the ground to the floor of the house. If pastures are used, mount the houses securely and high enough that stock will not use them as back scratchers. Get houses mounted as early in the spring as possible. Bluebirds nest when the dogwood blooms, but they look for their houses early.

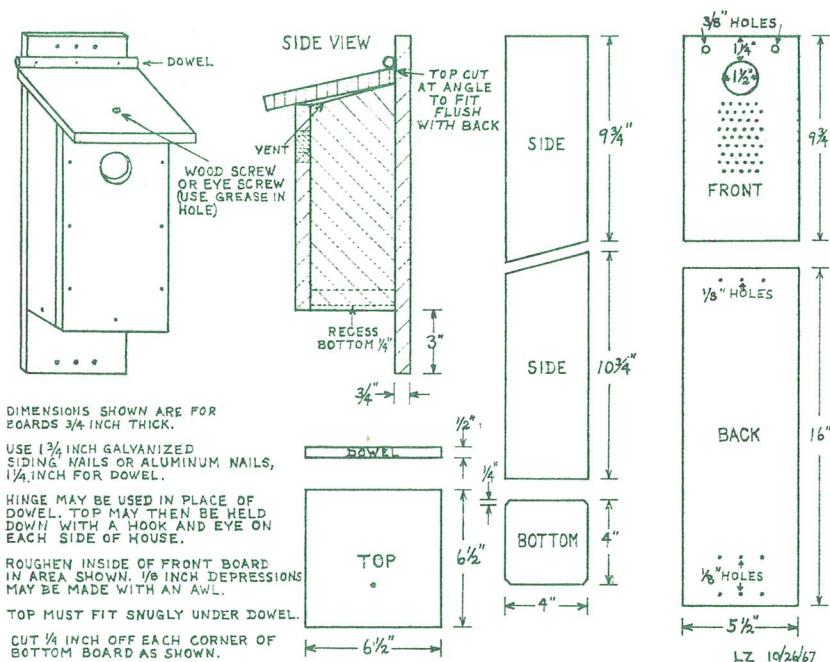
MAINTENANCE - As soon as the young have left the box, the old nests should be removed which increases chances for second and third broods. In February, check houses, clean, repair and make sure drain holes in the floor are open.

In addition to an insect diet, Bluebirds feed on wild grape and fruit-bearing shrubs and trees. Save or plant the following and you might be rewarded by a group of Bluebirds wintering as well as nesting: Pokeberry, Cedar (berries), Pine (cones), Mountain Ash, Hawthorne, Wild Cherry, Elderberry, Holly, Dogwood, Blackberry, Raspberry, Mulberry, Crabapple and Sumac.

Painting is not necessary but if you do paint, use a light color. Dark colors cause the house to overheat with disastrous effects on eggs and young.

NOTE: ACRES member Ray Hayes, 3201 Portage Blvd., Apt. 23, Fort Wayne will welcome your help making and installing houses. He is actively promoting this work in northeastern Indiana and plans to put up several houses at several ACRES reserves.

BLUEBIRD HOUSE



DESIGN - DESIGN

DESIGN - DESIGN

AN ACRES PIN ?

AN ACRES SEAL ?

AN ACRES PATCH ?

AN ACRES INSIGNIA ?



Design one! Send it in! Let's have an especially designed ACRES emblem. Submit your design to ACRES office, 106 W.Wildwood, Ft. Wayne, Indiana. There's a surprise for the best entry!

RENEW NOW WITH



Regular: \$2 Sustaining: \$10 Patron: \$50

STUDENT: \$.50

A new ACRES membership year (1969-70) begins June 29!

If you have a "Dues Envelope" enclosed, your dues are due, and should be paid by June 29.

If there is no envelope enclosed, you are all paid-up for the '69-'70 season.

ACRES LAND ACQUISITION FUND continues to grow. If you can, add a contribution to this working fund which is used strictly for the acquisition of natural lands in northeastern Indiana. All contributions are tax deductible.

SPECIAL NOTICE !

IF YOU HAVE CHANGED YOUR ADDRESS, PLEASE NOTIFY THE ACRES OFFICE.
Our mail is handled on a special bulk rate basis for non-profit organizations and the Post Office will not deliver if we have your incorrect address or zip.

BE SURE ACRES HAS YOUR CORRECT ADDRESS AND ZIP CODE !

JOHN KLOTZ, ACRES PRESIDENT, TAKES EXCITING SEBATICAL

John and Florence Klotz are off visiting many of the South Pacific's natural wonders. Their adventure began on February 27 and will take them from the Volcanoes National Park in Hawaii to Mt. Alava in American Samoa; from the Faaru waterfall on Tahiti to Bora Bora; from the glow-worm grotto of northern New Zealand to the fjords at Milford Sound, from Australia's fairy penguin sanctuary to the Barossa Valley and the "outback", from Sidney's Koala Park Sanctuary to the Great Barrier Reef, from Fleay's Platypusary in Brisbane to the New Caladonia Aquarium and the Museum at Suva, Fiji.

And as if that weren't enough - off they go again on May 5 to join Roger Tory Peterson's trip to the Galapagos Islands off the coast of Ecuadore.

We will all be awaiting a tale of the wildlife adventures of John and Florence Klotz!

THE PRESIDENT'S COLUMN

As a general rule, the more intriguing and tantalizing the title of an article, the less worthwhile it is. Authors often compensate for a lack of content by a catchy title. Once in awhile an article crosses my desk which has both a catchy title and thoughtprovoking content.

Such was the case with an article I read a few months ago entitled "The Tragedy of the Commons" by Garrett Hardin, a well known biologist. The author pointed out that he was using "tragedy" in the sense of "remorseless inevitableness" and then went on to explain the analogy he was proposing in the title. He had in mind the well known European or New England commons, a pasture which was open to all. In an agricultural society it is to be expected that each herdsman will attempt to keep as many cattle as possible on the commons. This works as long as environmental factors such as war, poaching, and disease keep the number of both men and beast well below the carrying capacity of the land.

However, a problem arises when there are no more hostile attacks by Indians or enemies of some kind or another and when the conquest of disease increases the number of both men and their animals, for each herdsman seeks to maximize his gain. There are both positive and negative factors to adding more animals than can be supported by the commons. The positive component is the function of the increment of one animal, and since the herdsman receives all the benefit of the additional animal, the positive utility is nearly +1. There is of course a negative component, the function of the additional overgrazing created by one more animal. However, the effects of overgrazing are shared by all the herdsmen, so that the negative factor is only a fraction of -1.

Consequently the rational herdsman concludes that the only sensible course is to add another animal to his herd, and then another, and still another. "Each man is locked into a system that compels him to increase his herd without limit - in a world that is limited. Ruin is the destination toward which all men rush, each pursuing his own best interests in a society that believes in the freedom of the commons. Freedom in a commons brings ruin to all".

The author went on to discuss a number of instances in which he believed the tragedy of the commons was occurring today. He talked about our increasing populations, the ruin of our western range, the loving to death of our national parks, the destruction of species after species in our seas.

One illustration that particularly struck home was his discussion of pollution. The rational man finds that his share of the cost of the wastes he discharges into the commons is less than the cost of purifying the wastes before releasing them. Thus we are locked into a system of fouling our own nest so long as we behave only as independent, rational, freedom-loving people.

The solution he porposes is a mutual coersion. He believes we must impose temperance by coersion, making it extremely costly by a system of taxes to abuse the commons.

I think we will all agree that the increase in population and our increasing demands on the commons makes it imperative that we no longer reward the abuse of the commons. A part of the commons can be enclosed and held in trust for all people; that is what ACRES is doing in its program of land acquisition. What cannot be enclosed, will have to be protected in some way; otherwise we shall experience the tragedy of the commons that the author, Hardin, envisioned.

John W. Klotz

WORKSHOPS, CONFERENCES, SUMMER JOB OPPOTUNITIES

EAST GARY, Indiana

Environmental Conservation & Outdoor Education Workshop, scheduled for Deep River Outdoor Education Center, April 18,19,20. Must be public or parochial school personnel. Call ACRES office for details.

ANGOLA, Indiana

Indiana Workshop on Conservation and Outdoor Education, scheduled for Pokagon Park, April 25,26,27. Again, this is restricted to teachers - elementary and secondary and is a part of a state-wide program to orient and aid public school teaching of outdoor and conservation relationships. Call ACRES office for more details.

KENTUCKY DEPARTMENT OF PARKS

Field Naturalist Workshops are scheduled on Ornithology, April 25, 26,27 and on Wildflowers, May 2,3,4. Each workshop is held at a different Kentucky State Park. Detailed information is available from Jim Butler, Chief Naturalist, Kentucky Dept. of Parks, Office Building Annex, Frankfort, Kentucky 40601.

THE STUDENT CONSERVATION ASSOCIATION, Inc. offers high school, college, and graduate school students opportunities for summer work in our National Parks and National Forests. Applications must be filed soon. Contact the ACRES office for forms.

THE UNITED NATIONS GENERAL ASSEMBLY agreed unanimously December 5, 1968 to hold a UN Conference on Human Environment in 1972. The exact time and place of the conference will be determined later.

ACRES, Inc.
106 W. Wildwood Ave
Fort Wayne, Indiana

NON-PROFIT ORGANIZATION

DIRECTORS: John W. Klotz, President; James M. Barrett III, Vice President; Jane H. Dustin, Secy.; Ethyle R. Bloch, Treas.; William Bloch; Florence Klotz; Allen J. Lomont; Glenn W. Poe; Elbert O. Roe; Robert C. Weber; Arthur Eberhardt; Father Conan Taylor; Frank Kirschner; Robert Summe; Hy Goldenberg.

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The QUARTERLY is published by ACRES, Inc., four times each year at 106 West Wildwood, Fort Wayne, Indiana, 46807, for the interest of its members, friends, and other similarly dedicated to the preservation of natural areas in northeastern Indiana. ACRES, Inc., is a not-for-profit corporation, incorporated under the laws of the State of Indiana. Contributions are deductible for tax purposes. Jane Dustin, Editor.

MEMBERSHIP: Student, \$.50; Regular, \$2.00; Sustaining, \$10.00; Patron, \$50.00, payable annually to ACRES, Inc., 106 W. Wildwood, Fort Wayne, Indiana 46807.