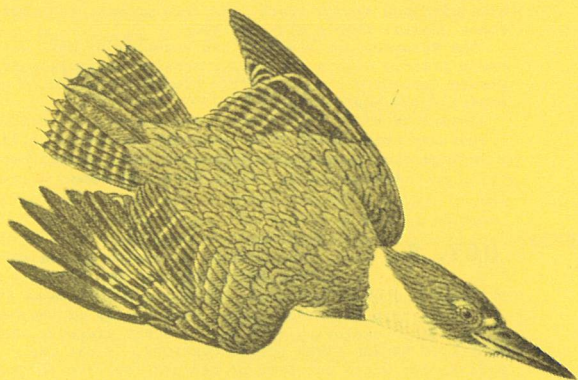




QUARTERLY

FALL • 1978
Vol. XVII, No. 3





SATURDAY
SEPT. 16

**IRWIN PRAIRIE and the SCHWAMBERGER PRESERVE
LUCAS COUNTY, OHIO**

Irwin Prairie is one of the last vestiges of natural wet prairie in Ohio. It is characterized by luxuriant growth of bluejoint and slough grass. In late summer, gentians and other prairie plants are in flower.

The Schwamberger Preserve has examples of both wet and mesic prairie with a far more extensive assemblage of prairie plants including big and little bluestem and Indian grass, prairie dock and sundew.

Jeanne Hawkins, Ohio Nature Conservancy will guide.
Lee Casebere, ACRES Vice President is in-charge. (424-4588)
Bring: Lunch, mosquito repellent. Wear rubber boots or tennis shoes. Binoculars, cameras.

SUNDAY
OCT. 8

2:00 PM MEET
Kiwanis Park, SW corner Landin and North River Roads (north of New Haven).
MAUMEE RIVER CANOE TRIP - ASHTON MILL SITE

This trip will canoe about eight miles of the Maumee River with an exploring stop at the ACRES preserve ASHTON MILL SITE MAUMEE RIVER SCENIC OVERLOOK. Float the Bull Rapids where outcrops of bedrock surface in the Maumee River. Trip will take out at Rte. 101.

Lee Casebere, in-charge (424-4588)
Bring: *Canoe and life jackets (extra if you have).
Wear appropriate clothes and shoes for boating and hiking.
* If you do not have a canoe, limited arrangements can be made with Lee Casebere.

OTHER HAPPENINGS INVITING YOU TO JOIN-IN

STOCKBRIDGE AUDUBON SEPTEMBER 10 2:00 PM Social Room
Trinity Hall
St. Francis College
2701 Spring Street
Fort Wayne, Indiana

Delano Z. Arvin, MD, President of Sycamore Audubon
A WALK THROUGH SPRING

THE NATURE CONSERVANCY OCTOBER 14 11:00 AM Nature Center
Fox Island County Park
Yohne Road, Ft. Wayne

Join the TNC tour group coming from Indianapolis to visit Fox Island. Group will lunch there, then proceed to Manitou Island Wetlands near Rochester. If you would like lunch, contact Pat Bolman at Fox Island (747-7846) by Oct. 7. Lunch is \$3.50. If you are planning to visit the Manitou Island Wetlands in the afternoon (leaving Fox Island 1 o'clock) and you have a canoe, please bring it with necessary life jackets. A pontoon boat trip is scheduled for those without their own boats. Carl Eisfelder will be the naturalist guide at Manitou Island Wetlands. TNC will supply maps and directions for Manitou trip.

QUARTERLY COVER ART is copied from a lithographic color plate in an 1890 volume entitled "Report on the Birds of Pennsylvania". This book is from the library of Rolland and Catherine Maxwell who made the ACRES ALONG THE WABASH NATURE PRESERVE possible. The Maxwells live near Markle. The preserve is located on Rt. 116 between Markle & Murray.

ACRES ANNUAL DINNER MEETING

NOV. 3

MAIN DINING HALL • CONCORDIA
6600 NORTH CLINTON

6:30 PM \$6.50 PLATE

Phone reservations by Nov. 1 to:
Harold and Ella Andrews, 456-3645
or call: 637-6264

Decorations by Sharon Brommer, Mabel
Brommer & Ruth Berkheiser

PROGRAM TIME IS 8:00 PM CLASSROOM 201
If you are unable to join us for dinner, welcome to the program at 8 in classroom 201.

SPEAKER: ED WAGNER
INDIANA WILDLIFE - Sights & SOUNDS

Probably best known for his bird photographs, Ed Wagner comes from the Muscatatuck National Wildlife Refuge near Seymour, Indiana where he works in environmental education. He has been at the Refuge since 1968 when land acquisition first began there. Ed works with Green Thumb, CETA, YCC and YACC employees at the Refuge. He worked prior to 1968 at the Kankakee State Fish and Wildlife Area. Using slides and wildlife recordings, Ed Wagner will sharpen your powers of wildlife observation and heighten your appreciation of Indiana's wildlife.

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WORK DAY NOV. 4 WORK DAY
9:30 AM 9:30 AM

1. MENGERSON NATURE PRESERVE - 5859 Stellhorn Rd.
Ft. Wayne

OR Ted Heemstra, in-charge
Bring: work gloves, lunch, paint brush
2. LONIDAW NATURE PRESERVE - E. of Kendallville take
1000E 1 mi. N. of Rt. 6

Jim Haddock, in-charge
Bring: work gloves, lunch, shovels

+WORK DAY HOT SOUP PROVIDED WORK DAY
+++++

XX
x IF THERE IS A CHECK (✓) BY YOUR NAME, YOU FORGOT x
x TO PAY YOUR ACRES DUES. REMEMBER TODAY FOR SURE! x
x \$1 Student; \$2 Senior Citizen; \$5 Regular; \$10 Family; x
x \$25 Share-the-expense; \$50 Sustaining; \$100 Patron. x
XX

help!

Ted Heemstra, who heads ACRES Land Management team, is in need of area inspectors. He needs you to adopt an area, inspect it once or twice a year and report to him. Interested? Call Ted, 484-4385.

PARTICIPATION IN FIELD TRIPS AND WORK DAYS IS AN EXCELLENT WAY TO GET TO KNOW WHAT ACRES IS ALL ABOUT. JOIN US! AND BRING A PROSPECTIVE ACRES MEMBER ALONG WITH YOU.

Distribution of RARE SPECIES of plants in Indiana. Height of graph indicates number of RARE SPECIES in each of Indiana's 92 counties. Computer plot and raw data from work of Clifton Keller and Theodore Crovello, Notre Dame.



THE ENDANGERED SPECIES SIMULATOR

If this looks like a piece of M.C. Escher artwork, look again. It is a computer plot and if this graph intrigues you, you will find the work of Theodore J. Crovello and the Biology Survey Committee of the Indiana Academy of Science which he heads full of interest and fascinating information.

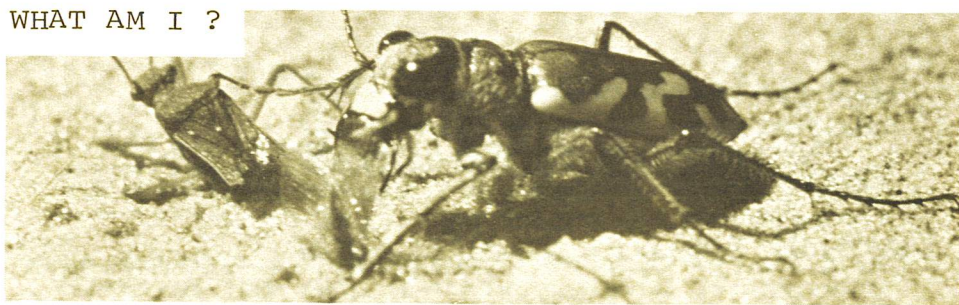
Note how the Indiana Dunes, long renowned for their fantastic plant diversity, tower in the upper left of the graph. From computerizing already gathered biological information at the University of Notre Dame, Crovello and his colleagues have begun what he calls "The Endangered Species Simulator" or ESP Simulator.

Crovello writes, "We are all aware that past, present and projected future activities of society and of its people threaten the existence of thousands of plant and animal species. For example, best estimates of the U.S. Office of Endangered Species are that over 2,000 flowering plant species are seriously threatened or in danger of extinction in the United States alone. This is ten percent of the total number of different kinds of flowering plants in the country. Extinction is a natural phenomenon of evolution, but NOT at this current high man-made level!

"Who cares? We should, for both moral and practical reasons..... ESP, the Endangered Species Simulator, has several purposes. The first is to acquaint you with some hard facts, such as the names of specific endangered or threatened species and certain activities of our society and of nature that affect the endangered status of species....second purpose, to help you develop an appreciation of the demonstrated fact that any occurrence (e.g., a species going extinct) usually is a result of many other causative events occurring in our society....third purpose of ESP, to help us to realize that not only is it the effect of such causative events individually, but also the additional interaction among these events that affects the status of threatened species.We can not know a species is threatened if we have no detailed information on its shrinking geographic distribution over the last five or ten years. Similarly, we cannot save a species from extinction if it has never been described!

"The fourth purpose of ESP is to help us to realize that even when we are motivated to act to save an endangered species and even when we have the resources to do so, sometimes we cannot affect the thrust of society immediately, but must wait. Sometimes it is too late."

Crovello sees a fifth purpose in the Endangered Species Simulator in being able to evaluate what salvage techniques would best save a certain species. For example, needs for specific conservation practices; new protective laws; means of habitat protection either by acquisition or innovative efforts such as tax incentives to property owners who will keep threatened species' habitat intact.



IF YOU ARE A DUES-PAYING MEMBER IN GOOD STANDING:

YOU MAY MAKE NOMINATIONS UP UNTIL OCTOBER 13 (see details).
YOU WILL RECEIVE A RETURN-BY-MAIL BALLOT BY NOVEMBER 21.
YOU MUST VOTE BY MAIL BY DECEMBER 14 or YOU MAY VOTE IN
PERSON ON DECEMBER 15, 1978 8 PM, 1802 Chapman Rd., Huntertown.
SELECT ION OF DIRECTORS

There will be 18 directors. Three are appointed for staggered three year terms, one by the Department of Public Instruction of the State of Indiana, one by the Indiana Chapter of The Nature Conservancy, and one by the Indiana Park and Recreation Association. These appointees give broader public representation on our Board.

Fifteen directors are elected by the dues-paying members in good standing, five each year for three year terms. The procedure is as follows:

1. The statutory annual membership meeting will be held at 8 PM on December 15 1978 at 1802 Chapman Rd, Hometown, Indiana. At this meeting ballots will be counted, members present may vote in person and the elected directors will be determined.

NOTE* This is not the annual dinner meeting at which we have a speaker. The Annual Dinner Meeting will be held November 3 1978 6:30 PM at Concordia .

2. Between September 13 and October 13, dues-paying members in good standing may nominate directors as follows: Any ten members in good standing may nominate a member of the Corporation by a written instrument which is a) signed by the 10 members, b) contains the nominee's written consent to serve if elected, and c) is delivered to the Secretary at 1802 Chapman Road, Hometown, Indiana 46748 on or before October 13.

3. If more than five members are nominated, the five nominated by the largest number of members shall be the nominees.

4. If less than five nominations are made by the members, then between October 13 and October 29 the Nominations Committee will nominate enough persons to make at least five. The Nominations Committee may, but need not, nominate enough to make a total of ten nominees.

5. Each nominee may submit a statement of his qualifications which will be sent to members with the ballot. Such statement must be received by the Secretary before November 13.

6. No later than November 20 the Secretary will mail to members entitled to vote a ballot and the statement of the nominee's qualifications, together with a short reminder of the voting procedure.

7. Members may vote by mailed ballot. Members do not need to attend the annual meeting on December 15. However, if a member does attend, he may vote in person and cancel any ballot he may have returned by mail. There are no "write-in" votes accepted for anyone not nominated pursuant to the foregoing procedure.

*** To be effective, a ballot returned by mail must a) be enclosed in an envelope signed by the voting member, b) not be marked for more than five persons and c) be received by the Secretary NO LATER THAN December 14

ACRES ARRANGES 'CROOKED LAKE NATURE PRESERVE EXPANSION FUND'.

On July 9 when ACRES members and friends had the opportunity to visit personally with Ralph F. Gates at Crooked Lake north of Columbia City, he pointed across the lake and told of how he had dreamt and worked for years before to have the whole area preserved into park. On that Sunday afternoon this summer ACRES dedicated a 1.14 acre piece of Crooked Lake shoreline as the Ralph F. Gates Nature Preserve. This special gift from the Phil McNagny Family of Columbia City honors Ralph F. Gates, Mrs. McNagny's son, who served as the Governor of Indiana from 1949-1953, a long conservationist. Gov. Gates led the efforts to acquire the Shades State Park, Willow Slough Fish and Wildlife Area and the Chain-of-Lakes State Park.

The Ralph F. Gates Nature Preserve contains a hardwood forested ravine and makes a scenic wooded point on the Crooked Lake shoreline. It is bordered on the east by the Crooked Lake Nature Preserve, consisting of 91 acres which was recently designated as Indiana's 47th state nature preserve. To the west of the new ACRES area is the Indiana University-Purdue University biological station, the only limnological station on a natural lake in Indiana.

The McNagny gift is fittingly named to honor Governor Ralph F. Gates and symbolizes his determination, and that of his family, to see the remaining natural shoreline of Crooked Lake preserved.

Ralph F. Gates died on July 28 at age 85. More of his dream and wish for the Crooked Lake area is coming true.

Pictured here is the south side of the Crooked Lake channel into Little Crooked Lake. This wetland, through the help of The Nature Conservancy and the Crooked Lake Association is now optioned to be added to the 91 acre Crooked Lake Nature Preserve.

ACRES has received memorial gifts in memory of Ralph F. Gates and has established a CROOKED LAKE NATURE PRESERVE EXPANSION FUND. These gifts will go to help purchase these channel wetlands.



◀ This picture, taken July 9, is of Helene & Ralph Gates and daughter Patricia McNaghy. Photos by Ed Musser.



WHAT AM I ?

The insect predator in the photograph is a Tiger Beetle. It belongs to the insect family Cicindelidae, a family which contains over 1300 species throughout the world. Although Tiger Beetles range in size from 6 to 40 mm, most are about 10-20 mm in length. They all possess a similar, easily recognizable shape. Colors and patterns vary, but most are iridescent browns and greens.

"Tiger" Beetle is an appropriate name for this insect because it is a fierce predator like its namesake. They are very swift on foot and in flight. Their diet consists mostly of small insects which they actively pursue with speed and aggression. The prey are captured in long sickle-like mandibles. Those jaws can inflict a painful bite if the beetles are handled. Capturing them is very difficult, though, as they are very insects which usually fly away as soon as they can get a good look at them. They will often run a ways before flying off, and when they land they nearly always face the intruder ready to fly off again if approached.

Like the adults, Tiger Beetle larvae are predaceous. They live in vertical burrows in the ground and position themselves so that only the head with its pair of traplike jaws are at the burrow entrance. Passing prey is grabbed and dragged into the burrow where it is eaten. Their bodies are equipped with a spine which anchors the larva in position to prevent it from being dragged out of the burrow should it capture something a bit large.

Tiger Beetles are usually found in open sunny places where the vegetation is rather sparse. Woodland paths and the open sands of beaches and dunes are good places to look for them. The sandy paths near the west end of Fox Island in Allen County are good places to search for them - - on sunny days, dozens of them can often be seen scurrying along and flying ahead of you. The photograph was taken at Fox Island.

by Lee A. Casebere

SUMMER HELP AT ACRES AREAS BY YOUTH CONSERVATION CORPS WORKERS -

Again this summer, YCC workers lent time, muscle and skills to chores benefiting ACRES areas. One group under Dr. Jim Haddock cleared a dump area on the Ralph F. Gates Nature Preserve and constructed the parking area at the Lloyd W. Bender Memorial Forest, both in Noble County. YCC workers under Dr. Peter Hippensteel did trail work at the Ropchan Memorial Nature Preserve near Orland.

ACRES thanks these preservation activists - our future stewards!

LEE AND RUTH BRUBAKER, DONORS OF THE LAKETON BOG, ARE 1978 TNC AWARD WINNERS. The Nature Conservancy award was presented by Bill Barnes and accepted on behalf of the Brubakers by Sam Ropchan, TNC's representative on the ACRES Board. The award was delivered to the Brubakers by Sam and Adaline personally. ACRES has no award program but we can add our great approval of this award going to Ruth and Lee for their outstanding work and gift of Laketon Bog.



A memorial fund has been established by The Nature Conservancy in Indiana to complete the Anderson Falls acquisition on Clifty Creek in memory of David Mosier. David Mosier died July 21 at 39 years of age. He chaired the Indiana TNC during its greatest time of growth, both in members joining and in numbers of natural areas acquired. Anderson Falls was an important place to David. He had fought to stop a dam there and had worked for its acquisition as a nature preserve. Contributed funds in David's memory will complete the preservation of this spectacular preserve.

ACRES, Inc.
1802 Chapman Road
Huntertown, Indiana 46748

Mr. & Mrs. Jerry Sauder
Grabill, Ind. 46741

Non-Profit Organization
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