

A CRAWLING AND HOPPING SEASON

SPRING 1989

Many people associate the beginning of Spring with the first Robin on the lawn or the first blooming Crocus, but equally impressive at this season are the hordes of amphibians stirring beneath the ground after a long winter of dormancy. Stimulated by warm temperatures and early spring rains, several species of frogs and salamanders become active above ground for the only time all year and head for their breeding pools to once again begin the cycle of life. Amphibians have been around since well before the dinosaur age, and have been playing out this yearly scenario in Rhode Island for hundreds of thousands of years, interrupted "briefly" when huge ice sheets periodically covered the Rhode Island landscape.

Because Aquidneck Island is an island, although a relatively recently created one, not all species had a chance to recolonize it following the period when the biological slate was swept clean during the last glaciation, which ended about 12,000 years ago. As a result of this process and the intensive land use which has occurred on the island in recent centuries, Aquidneck Island lacks several amphibian species commonly encountered on the Rhode Island mainland. Nevertheless, several species do occur on the island, most of

which reach their peak of seasonal activity during this season.

The Spotted Salamander is a common (though not frequently observed) species on the RI mainland, but is a woodland species and as such is very localized on Aquidneck Island. This species, our largest Salamander and quite striking with bold yellow spots on a black background, is the quintessential spring breeder. It spends most of its life underground, but makes an annual pilgrimage above ground to its ancestral breeding pond. The males reach the ponds first and wait for the females, whose arrival stimulates an elaborate courtship "dance" which results in fertilization of the eggs. Eggs are deposited as thick globular masses in about a week. Because most of the woods on Aquidneck Island have been cut and many ponds altered, this species is now very localized on the island. The major refugium for this species is currently the Norman Bird Sanctuary, whose woodland is one of the largest on the island and contains ponds (Maple Swamp and Gray Craig) suitable for breeding.

Another species active at this season and of similar status as the Spotted Salamander is the
- (continued on page 2)



- (continued from front page)

Wood Frog, which exhibits a similar explosive breeding style. This species occupies the same habitats as the Spotted Salamander, and are often found breeding with them in small woodland pools. The breeding chorus of the Wood Frogs sounds like the distant quacking of ducks, though it does not last long, only a few days, and is subsequently replaced by globular egg masses which look like clear tapioca pudding. The Wood Frog is very rare on Aquidneck Island, with the only population known occurring on the Norman Bird Sanctuary. Though it is popular to think of sanctuaries as bird-oriented, Norman is truly a sanctuary for amphibians in every sense of the word. The above two species would be nearly extirpated from the island without the woods and ponds of Norman.

The two species discussed above are classic early spring breeders, but there are several other amphibian species which will become active in the next few weeks. In early April, the song of the American Toad will trill out across the island, particularly on warm days and nights. There are actually two species of toads in Rhode Island, but only the American is known to occur on Aquidneck Island, possibly because the island lacks the sandy outwash soils preferred by the other species, the Fowler's Toad. The snoring craaaaa of the Leopard Frog will accompany the American Toad in the shallow marshes of the island, and the banjo-like twang of the Green Frog will follow as the wetlands warm up in late spring.

Another common species well-known to the residents of Aquidneck Island (but how many people have ever seen one?) is the Spring Peeper, which follows Wood Frogs slightly in breeding chronology, and as such reaches the peak of its breeding activity in late April. Unlike the Wood Frogs, Peepers have a protracted (drawn-out) breeding period, and so can be heard calling from early April until June. This species, actually a tree frog, is arguably the most abundant frog in Rhode Island, and occurs just about everywhere there is fresh water. Eggs are laid singly on aquatic vegetation, with the tadpoles transforming in mid-summer. The other species of treefrog found in Rhode Island (the Gray Treefrog) is not known to occur on Aquidneck Island. Its call is a short bursting trill, usually emanating from trees or from breeding ponds.

Despite what is known of the amphibians of Aquidneck Island, there are several species present on the mainland which are not known to occur here. These species include the Four-toed Salamander (which is known to occur on Jamestown and so

probably does so on Aquidneck), the Red-spotted Newt, and two types of frogs: the Bullfrog and the Pickerel Frog, which closely resembles the Leopard Frog. If any of these species is observed, please report them to the Sanctuary staff; you will be adding immeasurably to our knowledge of Rhode Island's oldest terrestrial residents, the amphibians.

Christopher J. Raithel, Rhode Island Division of Fish and Wildlife.



SUMMER EMPLOYMENT OPPORTUNITIES

-JUNIOR ASSISTANT TEACHER NATURALISTS (JATNS). JATNS are needed to assist Teacher-Naturalists supervising children in our Nature Day Camp. Applicants should be at least 13 years old, have an interest in natural history and the outdoors, and in working with children. A commitment of one month and training days are required.

-YOUTH CONSERVATION PROGRAM

The Youth Conservation Program participants will work with a supervisor on trail maintenance and wildlife conservation projects. Applicants should be at least 13 years old, have an interest in natural history, and be able to perform vigorous outdoor work.

Both jobs listed above include a stipend. For complete job descriptions and applications, contact NBS. APPLICATION DEADLINE IS MAY 26, 1989.

SPRING WISH LIST

- VCR
- Pick-up Truck: new or used with low mileage!
- Bath Towels
- Bird Bath
- Stale Bread
- Desk Telephone

Birds and Breakfast

to benefit the wildlife
management program

breakfast served
at 7:30-8:30-
9:30 & 10:30

Sunday, May 21st

adults \$5.00
children \$3.00

reservations are suggested please

Third Beach Road • Middletown • Rhode Island

— Please send me adult tickets and children's tickets
for Birds and Breakfast at NBS.
Adults \$5.00 Children \$3.00

My preferred breakfast seating is 7:30 8:30 9:30 10:30
(Please check 1st and 2nd choice)

I am unable to attend, but I would like to contribute
\$ to benefit the Sanctuary's Conservation Projects.

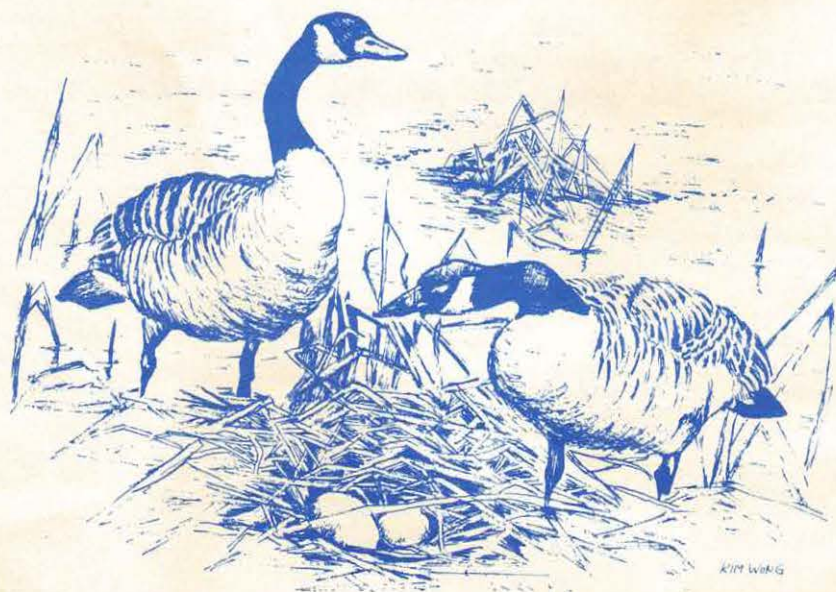
Name _____

Address _____

Amount Enclosed \$

What's Happening at the Bird Sanctuary?

APRIL	10	17	18	19	20	21	EARTH DAY 22
Bird Walk 8 am		Tree and Barn Swallows have returned. Bird Watching Class 7 pm	Preschool Nature Hour 1 pm Archaeology Orientation	Listen for Spring Peepers			Nature Club 9:30-12:30 Archaeology Dig
Bird Walk 8 am	23	24	25	26	27	28	Nature Club 9:30-12:30 Osprey Trip 2 pm
Archaeology Dig			Bird Watching Class 7 pm	Preschool Nature Hour 1 pm John Anderson Doves 1:45	Osprey Lecture/Slides 7:30 pm	Archaeology Plant a Tree	
Bird Walk 8 am	30	MAY 1	2	3	4	5	Freedom Boat Trip 8 am Nature Club 9:30-12:30 Creating an Herb Garden Pick of Herbs 1 pm
Archaeology Dig			Bird Watching Class 7 pm	Preschool Nature Hour 1 pm	Meteor Showers 9:45	Workshops re-burying! Cloud Date	
Bird Walk 8 am	7	8	9	10	11	12	Nature Club 9:30-12:30 Geology Walk 2 pm
VOLUNTEER CLEAN-UP 10 am - 1 pm				Preschool Nature Hour 1 pm			
Bird Walk 8 am	14	15	16	17	18	19	20
MOTHER'S DAY (Mom's admitted on trails FREE)					Walk in the Sunset 6:30 pm		
NBS Birds and Breakfast 6:30 - 11:30 (Make reservations early)	21	22	23	24	25	26	27
			Canada Mayflowers in bloom	Red Fox Program 7 pm			
Bird Walk 8 am	28	29	30	31	JUNE 1	2	3
	Memorial Day					Young mammals begin to leave nest	
Bird Walk 8 am	4	5	6	7	8	9	10
	First brood of birds leave their nests		Yarrow in bloom				
Bird Walk 8 am	11	12	13	14	15	16	17
					Listen for crickets chirping!		
Bird Walk 8 am	18	19	20	21	22	23	24
Father's Day Concert with BILL THOMAS 2 pm			Day Lilies in bloom		Herb Walk 7 pm		Whale Watch (Meet at NBS 9:30 am)
Bird Walk 8 am	25	26	27	28	29	30	JULY 1
Insects and their Adaptations 1 pm		Week 1 9-2:30 pm Nature Day Camp BEGINS	Preschool A 9:30		Preschool A 9:30		Monarch butterflies emerge
Bird Walk 8 am	2	3	4	5	6	7	8
		Week 2 9-2:30 pm Nature Day Camp	holiday NO CAMP TODAY		Preschool A 9:30		
Bird Walk 8 am	9	10	11	12	13	14	15
		Week 3 9-2:30 pm Nature Day Camp Summer Challenge I	Preschool A 9:30	Summer Challenge Over	Preschool A 9:30 Summer Challenge Over		



Nature is always hinting at us.
hints over and over again. A
suddenly we take the hint.

-Robert Frost

DONATIONS

We are grateful for the following donations:

- Dr. Allen & Dr. Cates (veterinary care and supplies).
- Don Heywood, Cally Gottlieb, & Ginny Purviance (educational supplies).
- Amy Garrison and George Shippee (animal care and supplies)
- Rachel Weiman (gardening supplies).



DIRECTOR'S NOTES

As many of you are already aware, we at N.B.S. are concerned with the planned development of the Gray Craig Estate which abuts the western border of the Sanctuary. The potential impacts such a development will have on this ecologically and aesthetically sensitive area include the destruction of forested habitat (of which there is little left on Aquidneck Island), the degradation of the water quality of Nelson Pond (one of our highest quality drinking water reservoirs), and the fracturing of the largest piece of open space left on the island.

Presently, the Sanctuary is in the process of discussing with the owners of the property, a proposal to preserve the open land on the estate. Under this proposal, we will attempt to secure funding, from both public and private sources, to purchase conservation easements (or the land itself) for that part of the property needed as an environmental buffer zone to protect its ecological and scenic values.

To help in our efforts, the Prince Charitable Trust granted us \$27,000 to hire expert legal and technical assistance.

With a concerted effort by local government, citizens, private foundations and Sanctuary supporters this very valuable area can be protected. Please continue to voice your concern to our elected officials. We will need your continued support in order to be successful in protecting this precious resource.

Sincerely,

Lawrence Taft
Lawrence Taft

VOLUNTEER CORNER

We are looking for some volunteers to help us in the following areas, as this busy season gets underway. If one or more of these jobs interests you, please give us a call.

- Saturday Animal Caretaker (at least 15 years old). We will train you to care for our feathered, furred, and scaled friends needing to be fed, watered, and their cages cleaned in the afternoon (hours are flexible) for up to 2 hours on Saturdays during the summer.

- Weeders and Waterers:

We are always in "weed" need of volunteers to keep the Sanctuary's perennial, herb, and annual garden in shape (1-3 hours per week, any day).

- "Birds and Breakfast" Volunteers

Our annual breakfast with guided walks will be held Sunday, May 21. If you can lend a hand during the morning or early afternoon hours on this day, we'll need people to help us serve. Also we are always looking for bakers to donate baked goods-- coffee cakes, muffins, or quick breads.

- Harvest Fair 1989 September 29 & October 1
Yes, it is that time when we begin to recruit for our biggest and most successful fundraiser. If you're interested in helping us, please let us know (even if it's this early!)

- Computer work (4 hours a week).

We are in the process of putting our mailing list on our own computer. If you have some experience with computer data entry or are a good typist, we could use your help.



Our warm thanks go to all those who contributed time during the past winter months:

- Hellie Casagrande, Andrew Doolittle, Frances Holmes, Barbie Sturtevant, Ray Rogers, and Elizabeth Thurston (mailings)

- Sharon Culberson, Rick Enser, Phil Rondina, and Anne Truslow-MacIntosh (for public programs).

- Charles Donald, Erika King, Monique Roeder, and Dick Rounds (loving animal care).

VOLUNTEER CLEAN-UP DAY

Sunday, May 7 10-1 P.M.

Help us Spring clean the Sanctuary grounds by raking, pruning, gleaning the trails for litter, and replanting in our herb and perennial gardens. Stop in and lend a hand for an hour or two as we prepare for the busy seasons ahead. Munchies will be provided for needed energy boosts. Wear old work clothes.



Dear Henny Penny,

Why do birds sing?

Interested Listener

Dear Interested Listener,

Myself being from the Aves Class (not as in Purdue University), I can tell you why I like to sing my simple "bawk bawk bawk bawk". I do it to let others know when I am content (especially when I'm eating my favorite foods). You better not just take my opinion on this important matter, however. Ornithologists categorize bird sounds into two groups-- Calls and Songs. Bird calls are made as one to four note sounds that birds seem to know instinctively as a way of communicating distress, warning or food. Songs are more of a learned and patterned group of sounds, though each species instinctively learns and responds to its own. The nicest sounding songs (at least preferred by human ears) are those sung by the Passerine, or perching group of birds, also known as the "Songbirds". Sung mostly by the males, but not always, as in the case of Cardinals and Grosbeaks, songs help to define territories and secure a mate during the Spring season. And while that season is upon us, I hope you will continue to listen and enjoy the magical and delightful notes that fill the sky.

Warm regards,

Henny Penny

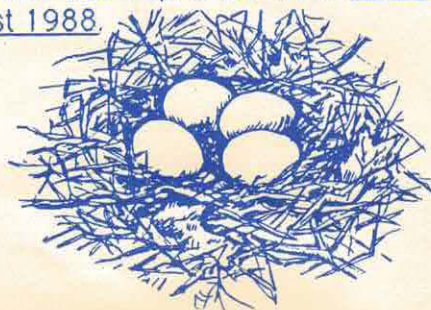
HELPING SONGBIRDS

As the Spring season gets underway, we at the N.B.S. begin to welcome many of our feathered friends that will nest here during the warmer months. As they leave their southern wintering grounds and head north, we must not only appreciate their return, but also continue our efforts to save their wintering grounds from destruction during their absences. Thousands of acres of rainforests in Central and South America that offer plenty of food and shelter for our visiting birds, are lost every day to clear cutting. Because of this practice, irreplaceable and necessary habitats for birds and other wildlife-- some not yet discovered-- are gone forever.

The following list offers some positive, effective ways for us northern folks to "think globally and act locally" when it comes to saving not only "our", but the world's songbirds.

1. Discourage fragmentation of local woods and parks.
2. Promote undergrowth on your property (let the "eyesore" brambles stay).
3. Plant and preserve native trees and bushes on your property (ask NBS or your local garden shop about specific varieties of plants with berries for songbirds).
4. Oppose the indiscriminate use of pesticides, especially aerial spraying (migratory songbirds eat insects--naturally!).
5. Participate in the census of nesting birds (even if you're a beginner)
6. Report sightings of tagged, color-marked, or banded birds.
7. Support migratory bird refuges (NBS is one!).
8. Do not buy rosewood, mahogany, teak, liana or other tropical woods.
9. Support conservation organizations working in Central and South America. They include the Massachusetts Audubon Society, the National Audubon Society, the Nature Conservancy, Rainforest Action Network, Rainforest Alliance and the World Wildlife Fund.

The above list was reprinted from Harrowsmith July/August 1988.





SPECIAL PROGRAMS

THE BIRDS OF TRUSTOM POND

Saturday, May 6 8 A.M.

The birds of Trustom Pond are numerous and diverse. Located in South Kingstown, this coastal pond is surrounded by marshes and fields, and it borders Moonstone Beach. A variety of birds may be seen, including the state endangered Piping Plover. Join NBS Advisory Committee member and avid bird watcher, Ray Rogers, for this morning of bird watching. Participants should meet in the Sanctuary parking lot to carpool to the site.

Fee: \$7 (\$5 NBS members)
Pre-registration is required.

WHALE WATCH WITH THE CENTER FOR COASTAL STUDIES

Saturday, June 24 8:30 A.M.

Search for the Humpback, Minke, Finback, Blue and Right Whale on board the Dolphin out of Provincetown, research vessel for the Center for Coastal Studies. During this four hour boat trip, whales will be spotted on their northern feeding grounds. Numerous seabirds will be seen as well. NBS Director, Larry Taft will lead this trip, meeting at the NBS parking lot to carpool to Provincetown for a 1:15 boarding time. The boat will return to port at 5:30 P.M.

Participants should dress appropriately for the weather and bring a bag lunch (or plan on eating out in Provincetown). Binoculars, cameras, field guides, and sunscreen are recommended. The trip will be cancelled if the weather is strongly inclement and the fee for the trip will be refunded. Children are welcome but must be accompanied by an adult.

Fee: \$21 (\$18 NBS members) Adults
\$16 (\$14 NBS members) Child
Pre-registration is required.



THE OSPREYS UP CLOSE

Saturday, April 29 2 P.M.

Following our Thursday evening lecture, view these beautiful birds up close as they fly, perch, and begin to nest where they've nested for decades in Adamsville and Westport. Hap Morgan, NBS Naturalist, will accompany the group after carpooling from the Sanctuary. Binoculars, camera, and warm clothing are suggested.

Fee: \$7 (\$5 NBS members)
Pre-registration is required.



FOR FATHER'S DAY: AN AFTERNOON WITH BILL THOMAS

Sunday, June 18 2 P.M.

Bring dad and a picnic to this special afternoon concert with local songwriter and musician, Bill Thomas, famous for his Captain Kangaroo and Sesame Street creations as well as his award winning album, "Time Can Be So Magic". Bill will share his singing magic through songs about friends, fun, family, and those people we know of as dads! Bring a blanket for relaxing as you enjoy this wonderful performance in the Sanctuary's orchard (in our barn if it should rain).

"At last some intelligent music for children that parents can enjoy too".

Jennifer Murray
Parent

Fee: \$5 (\$4 NBS members) children and adults
Tickets on sale through the Sanctuary office



THE OSPREYS OF WESTPORT

Thursday, April 27 7:30 P.M.

Dedicated to the survival of bird life-- particularly the Osprey (Fish Hawk), Jo and Gil Fernandez from Westport, MA are a team of amateur naturalists who will present this color slide documentary recounting their twenty six year study of this magnificent bird. Join them as they bring us up to date on the recovery of this species as it exists today.

Fee: \$5 (\$4 NBS members)
Pre-registration is required.

BIRDWATCHING MINI-COURSE

Three Tuesday Evening Classes:
April 18, 25, and May 2 7-9 P.M.
Followed by Sunday Morning Birdwalks at 8 A.M.

Are you curious about our local birdlife? Then join us for this three part mini-course held during the peak of the spring migration. Learn how to identify birds by sight and sound and learn about their fascinating life histories.

Each evening lecture is followed by our regular Sunday Morning Birdwalk. The instructor for this program is N.B.S. Director, Larry Taft.

Fee: \$20 (\$15 NBS members)
Pre-registration is required.

METEOR SHOWER VIEWING

Thursday, May 4 9:15 P.M.

Veteran stargazer and astronomer Bill O'Connell will point out the Eta Aquarid Showers fall through the sky this evening. Bring a flashlight, binoculars if you have them. In case of clouds, program will be postponed to Friday, May 5 at 9 P.M.

No fee or registration is required.

CREATING AN HERB GARDEN

Saturday, May 6 1 P.M.

Fragrant and tasteful, spiritual and medicinal, pleasing to the eye describe the wonderful qualities of herbs. You need not be mystified by their names nor their space requirements, for they'll flourish with little care once planted. Join Claudia B. from Seven Arrows Herb Farm as she guides you through herbal folklore, as well as the planning and practical uses of an herb garden to treasure for years. Some herbs will be available for purchase. Bring a notebook and any questions you may have. (See our Herb Sale to pre-order before April 2)

Fee: \$6 (\$5 NBS members)
\$4 (\$3 NBS members only if you have pre-ordered from our Herb Sale)
Pre-registration is required.

PUDDINGSTONE AND OTHER GEOLOGICAL ENTRES

Saturday, May 13 2 P.M.

Have you ever wondered how the NBS's three ridges were formed? Our local geology is unique in New England. Take an informal walk with Naturalist Hap Morgan to learn about the exciting geological processes that helped form this beautiful landscape. Please wear sturdy shoes.

Fee: \$5 (\$4 NBS members)
Limit: 10
Pre-registration is required.

PROGRAMS

A WALK INTO THE SUNSET

Thursday, May 18 6:30 P.M.

Our senses will come alive as we take a spring sunset walk through the Sanctuary accompanied by NBS Naturalist, Hap Morgan. Experience a sunset from atop Hanging Rock and perhaps feel how the wild night creatures awaken from their sleepy day. Watch as the near full moon rises into the dark night. Bring your five senses (or six if you have them) and a flashlight.

Fee: \$5 (\$4 NBS members)

Limit: 10

Pre-registration is required.

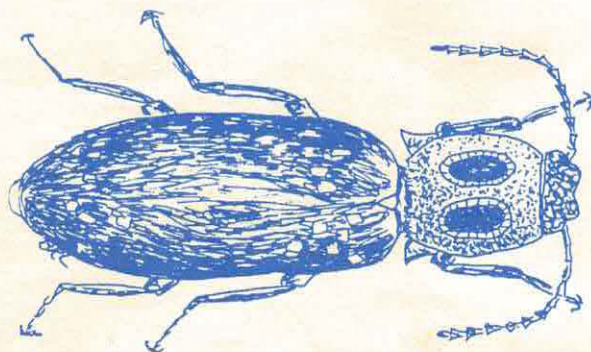
THE RED FOX

Thursday, May 25 7 P.M.

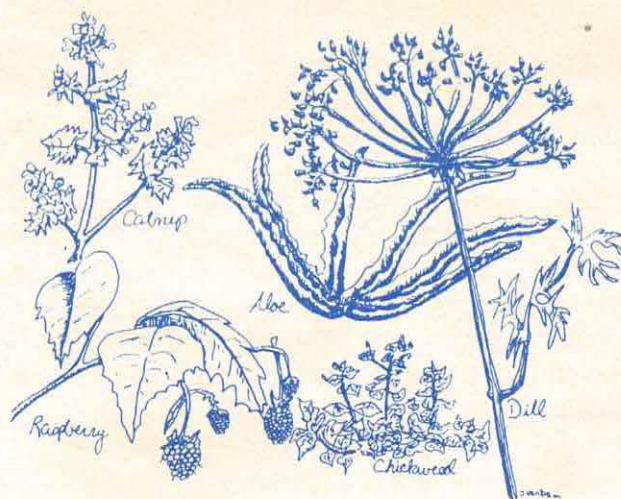
The Red Fox (*Vulpes vulpes*) is the largest predator on Aquidneck Island. Its shy and cunning demeanor makes it difficult for people to see it often. Mike Lapisky, a wildlife biologist with D.E.M., will share his knowledge of this special mammal through slides and with his "predator call", which he will use to try and lure a fox out of hiding for us to see.

Fee: \$4 (\$3 NBS members)

Pre-registration is required.



Click Beetle



MEDICINAL HERB WALK: AN INTRODUCTION TO WILDCRAFTING

Thursday, June 22 7 P.M.

Herbs have been a part of traditional folk medicine since the beginning of time. Naturalist and herbalist Hap Morgan will lead an herb identification walk around the fields and woodland edges of the Sanctuary, teaching how to identify wild herbs which may be used for simple home remedies. Registration for the four part class "Herbs and Natural Healing" will take place after the walk, for those interested.

Fee \$5 (\$4 NBS members)

Limit: 15

Pre-registration is required.

INSECTS AND THEIR ADAPTATIONS

Sunday, June 25 1 P.M.

What group of animals is more abundant than any other world wide, with as many as one million identified, living in practically every available habitat on the planet? Insects, of course! Join Linda Evans, a St. George's School instructor with a Masters in Entomology, as she introduces participants to this fascinating world of "bugs"! If weather permits, she'll take the group out of doors for a bit of hands on collecting and identification with nets and jars. Wear socks and sturdy shoes. Families welcome.

Fee: \$5 (\$4 NBS members)

Limit: 15

Pre-registration is required.

NATURE CLUB

Saturday mornings 9:30 - 12:30

A Saturday wouldn't be the same without Nature Club! During the spring edition of this popular program, children in grades K-4 will learn about this magical season through hiking, crafts, and outdoor games. A mid-morning snack will be served and children should dress according to the weather.

Spring Session:

April 22: Predators Aren't Mean
April 29: The Secret Salamanders
May 6: The Soil Beneath Us
May 13: Exploring the Seashore

Fee: \$36 (\$32 NBS member)
Limit: 10 children
Pre-registration is required.

NATURE DAY CAMP

Did you receive your summer camp brochure in this issue of NBS Flyer? If not, and you're interested in sending your child to the greatest thing that happened to summer since ice cream, give us a call.



SPONSOR A CHILD

Each year, children from lower income families are sponsored by NBS members so they can spend a full week at Nature Day Camp, (grades K-4) or Summer Challenge (grades 5-7). Agencies and schools, including Child and Family Services, Project Head Start, the Jamestown School and Gaudet Middle School help us locate children who would benefit the most from a week of outdoor discovery and nature study. If you wish to be a sponsor for one, or many of these children, please send a check for the member's fee per child specifying Nature Day Camp or Summer Challenge and send care of NBS Summer Camp Sponsor Fund. Your generosity will be appreciated.

CHILDREN'S PROGRAMS

SPRING VACATION WEEK FOR PUBLIC SCHOOLS

Mon.- Fri. April 17 - 21
9:30 - 12:30 P.M.
Children in grades K - 4

Come spend your spring vacation at the Sanctuary learning about this exciting season as nature wakes up from a winter slumber. We'll explore, sing, create, and learn nature stories. A mid-morning snack will be provided and children will be grouped by age. Children should dress according to the weather. Rainboots are recommended.

Fee: \$45 (\$40 NBS members)
Pre-registration is required.
Limit: 20 children

PRESCHOOLERS WITH PARENTS

Wednesday afternoons 1-2 P.M.

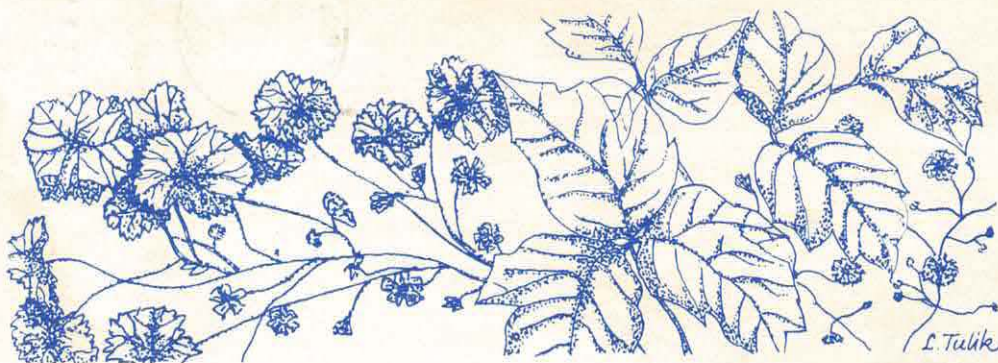
Explore the warm season of Spring with your pre-schooler (ages 3-5) during this session, which is designed as an introduction to the wonders of nature. We'll learn about natural concepts through hands-on games and outdoor exploration. One parent may be responsible for up to two children. Both child and parent should dress for the weather.

Spring Session:

April 19: Spring has Sprung
April 26: Raccoons
May 3: Life at the Seashore
May 10: Flowers are for Smelling

Fee: \$12 (\$10 NBS members)
Limit: 10 child/parent pairs.
Pre-registration is required.





Aesthetics

HERB SALE

Herbs are plants that can be used to enhance the taste of foods, create a pleasant summer drink or tea in the healing of ailments, or provide decoration and fragrance for a room, all with relatively little effort. When planted, herbs require little attention and can add just the right amount of zest to a vegetable or perennial garden.

The plants offered by the Sanctuary are in 3 1/2" pots and are grown organically by Seven Arrows Herb Farm in Attleboro, MA. Each costs \$1.95 and with every 10 plants purchased, an additional plant is yours free!

To place your order, fill out the form below and send it and your check to us by April 22. The order will be ready for pick-up on Saturday, May 6. On Saturday, why not join us for the Herbs Workshop presented at 1 P.M. when you pick up your order? Your fee for the program will be discounted as a "pre-order participant" (see Public Programs for complete description).

HERB ORDER FORM

Name _____ Phone _____ NBS member _____

Address _____

*****\$1.95 per plant*****organically grown*****3 1/2" pots*****

Culinary

- ☐ Basil, Sweet
- ☐ Chives
- ☐ Chives, Garlic
- ☐ Marjoram, Sweet
- ☐ Oregano
- ☐ Rosemary
- ☐ Sage
- ☐ Salad Burnet
(cucumber taste)
- ☐ Lavender *no*
- ☐ Sorrel, French
- ☐ Thyme, English

Beverage

- ☐ Catnip
- ☐ Orangemint
- ☐ Applemint
- ☐ Spearmint
- ☐ Peppermint
- ☐ Lavender Mint

Landscape wild

- ☐ Thyme, Creeping
- ☐ Lamb's Ear
- ☐ Roman Wormwood

Fragrance

- ☐ Lemon Balm
- ☐ Bee Balm
- ☐ Sage, Pineapple
- ☐ Pennyroyal, English *(no)*

Edible Flowers

- ☐ Calendula *(no)*
- ☐ Borage

Medicinal

- ☐ Comfrey
- ☐ Coltsfoot
- ☐ Fennel *Bronze*
- ☐ Hyssop *(no)*

Dried Everlasting and Perennial Flowers

- ☐ Baby's Breath
- ☐ Clove Pinks *(no)*
- ☐ Silver King Artemisia
- ☐ Yarrow, Paprika
- ☐ Yarrow, Yellow
- ☐ Yarrow, The Pearl
- ☐ Silver Queen Artemisia
- ☐ Rose Camprian

Wholesale .90

Buckwheat 3 cu ft. 9.50 retail 6.95

*Many of the above herbs are both fragrant and culinary, or beverage and fragrant, etc.

**For every 10 plants ordered, choose one FREE PLANT.

Free Plant Choice: _____ TOTAL # PLANTS _____ X \$1.95 \$ _____
TOTAL ENCLOSED \$ _____

NORMAN BIRD SANCTUARY
THIRD BEACH ROAD
MIDDLETOWN, RI 02840



Returned For Better Address

OR TO CURRENT RESIDENT

The Norman Bird Flyer is published quarterly by the Norman Bird Sanctuary, a non-profit nature preserve established under the will of Mabel Norman Cerio.

Trustee: Rhode Island Hospital Trust National Bank

Advisory Committee: Barry Murphy - Chair., Lawrence Allen, Joyce Bothelho, Patricia Corgan, Ann Damon, Thomas Gunzelman, Frances Holmes, Virginia Laughlin, Gary MacDonald, Charles K. Moore, Julie Morris, Horatio Rogers, Gay Sheffield, Barbara Sturtevant, Mark Vissman.

Director: Lawrence Taft

Education Coordinator: Lisa Pritchard

Naturalist/Caretaker: Hap Morgan

Receptionist: June Doolittle

Address: 583 Third Beach Rd. Middletown, R.I. 02840

Telephone: (401) 846-2577

Graphics by: Erika King, Lucia deLeiris, Amy Wright,
and SMU illustration Students.

TRANSITIONS: We regret the passing of N.B.S. friend and beekeeper Mr. John Sullivan who died last winter.



ARE YOU DUE TO RENEW?

Your NBS membership renewal date is printed on your mailing label below your address. If you're due to renew now (or before the next issue of the Newsletter), please use the form below and send it along with your renewal check. By using this form and sending your renewal ahead, you can save the Sanctuary the cost of sending out reminders. This will help us put your membership dollars to better use.

NAME _____

ADDRESS _____

ZIP _____

☐ NEW MEMBER ☐ RENEWAL

☐ Individual \$15.00

☐ Family \$25.00

☐ Institutional/Business \$50.00

☐ Sustaining \$50.00

☐ Patron \$100.00

☐ Life \$1000.00

☐ In addition to my yearly membership, I would like to contribute \$ _____

☐ I would like to be called for volunteer work. Phone _____

All contributions are tax deductible when made out to:

Norman Bird Sanctuary
Third Beach Road
Middletown, Rhode Island 02840





Camp Schedule 1989

June 26-June 30

Nature Day Camp 1 9-2:30 M-F
Preschooler A 9:30-11:30 T,Th

July 3- July 7

Nature Day Camp 2 9-2:30 M-F
Prechooler A 9:30-11:30 T,Th

July 10- July 14

Nature Day Camp 3 9-2:30 M-F
Preschooler A 9:30-11:30 T,Th
Summer Challenge I 9-2:30 M-F

July 17-July 21

Nature Day Camp 4 9-2:30 M-F
Preschooler B 9:30-11:30 T,Th

July 24-July 28

Nature Day Camp 5 9-2:30 M-F
Preschooler B 9:30-11:30 T,Th
Summer Challenge II 9-2:30 M-F

July 31-August 4

Nature Day Camp 6 9-2:30 M-F
Preschooler B 9:30-11:30 T,Th

August 7-August 11

Nature Day Camp 7 9-2:30 M-F
Preschooler C 9:30-11:30 T,Th

August 14-August 18

Nature Day Camp 8 9-2:30 M-F
Preschooler C 9:30-11:30 T,Th
Summer Challenge III 9-2:30 M-F

August 21-August 25

Nature Day Camp 9 9-2:30 M-F
RCW 9-2:30 M,T,Th,F 3:30-9 W
Preschooler C 9:30-11:30 T,Th

Norman Bird Sanctuary Nature Day Camps 1989



583 Third Beach Road
Middletown, R.I. 02840
401 846-2577

REGISTRATION

To register, please send the registration form below, with full payment, or a \$20 per child per week deposit (non-refundable) to reserve space for all summer camps. We cannot accept any phone registrations. Upon receiving the registration, we will send you a confirmation letter and an emergency form. **Full payment with the completed emergency form (a doctor's signature is not necessary) must be returned to us no later than two weeks before the registered week(s).** Nature Day Camp participants will be limited to three weeks maximum enrollment, unless there are available spaces after June 23. Preschoolers and Parents and Summer Challenge participants are limited to one session.

Please make checks payable to the Norman Bird Sanctuary



REGISTRATION FORM

Parent's Name: _____ Telephone: (W): _____ (H): _____

Address: _____ Town: _____ Zip: _____

Are you a Sanctuary Member? * Yes: _____ No: _____ Joining: _____ (check enclosed)

Name(s) of Camper(s):

1. _____	Age: _____	Entering Grade: _____	Session: _____	Fee: 58
2. _____	_____	_____	_____	58
3. _____	_____	_____	_____	18

* Family membership is \$25 per year and includes discounts on programs, free trail access and a subscription to the NBS Flyer.

Deposit Per Child: _____
Total: 174
~~Total Camp Enclosed:~~ 124
Membership Enclosed: _____
TOTAL \$ ENCLOSED: _____

NATURE DAY CAMP

Open to boys and girls entering grades K-4

Children will explore the diversity of the Sanctuary's lands learning about animals and plants and their habitats. Activities include natural craft making, group-spirited games, nature songs and stories, and investigation of ecological cycles of the field, forest, pond, ridge, marsh, and seashore. Children will be grouped by age, led by enthusiastic staff.

Returning Campers Week

During session 9, we are offering a chance for children entering 3rd or 4th grade who have been to NDC for 2 or more years to enroll in our "Returning Campers Week". Familiar NDC themes combined with special advanced activities and a Wednesday evening program will be offered (3:30 - 9 P.M. instead of day hours). Limited to 20 children.

Session 1: 6/26 - 6/30	6: 7/31 - 8 /
Session 2: 7/3 - 7/7 *	7: 8/7 - 8/11
Session 3: 7/10 - 7/14	8: 8/14 - 8/18
Session 4: 7/17 - 7/21	9: 8/21 - 8/25
Session 5: 7/24 - 7/28	and R.C.W.

Fee: \$68 (\$58 NBS members)

* \$54 (\$46 NBS members) Session 2 only, due to July 4 holiday.

SUMMER CHALLENGE

Open to all adventurous explorers entering grades 5-7

Summer Challenge is an action packed week of activities that emphasize group cooperation, problem solving, exploration, nature study and outdoor living.

Participants will learn about wild edibles, map-and-compass, canoeing, local wildlife, and camping outdoors. Fees include camp food, tenting materials, and day trip costs. There will be two nights of camping, Wednesday and Thursday evening, and there will be no camp on the Fridays following the overnights.

Session I: July 10 - 14

Session II: July 24-28

Session III: Aug. 14 - 18

Fee: \$80 (\$70 NBS members)

Time: 9 - 2:30, Wed. & Thurs.

all day and night. Pick up on

Friday 9:30 - 10 A.M.

A list of suggested camping supplies and canoeing information will be sent with confirmation letter and emergency form.

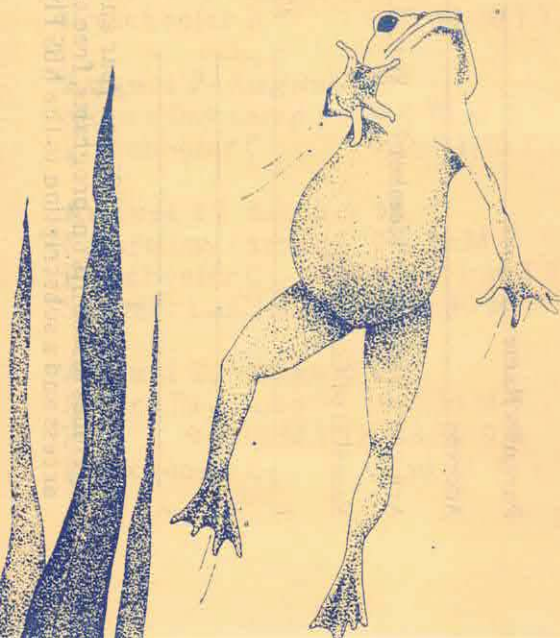
NORMAN BIRD SANCTUARY

Created in 1949 at the bequest of Mabel Norman Cerio, the Norman Bird Sanctuary preserves 450 acres of land throughout the region for the beauty of its geographical features and the diversity of its natural habitats.

The protection of native plant and animal communities and the preservation of the unique land forms found in the refuge are our foremost concerns, but also important is the sharing of this natural resource with our visitors. Through educational programming, we hope to enhance your appreciation of the natural world.

SUMMER CAMPS

Our Nature Day Camps are created for children who are curious about the natural world and who love to learn through exploration. We are looking forward to a summer full of fun and we invite your child to join us!



PRESCHOOLERS WITH PARENTS

**Open to boys and girls ages 3-5
with parent or guardian**

Designed to nurture positive feelings toward the natural world, Preschoolers and Parents can participate in these morning sessions through sensory exploration, nature stories and songs, and observations of the outside world. Each session will run for three weeks on Tuesday and Thursday mornings. One adult may be responsible for up to two children.

Session A: June 27, 29, July 6, 11, & 13*
Session B: July 18, 20, 25, 27, August 1, 3
Session C: August 8, 10, 15, 17, 22, 24

Times: 9:30 A.M. - 11:30 A.M.

Fees Per Session:

Non-Members

\$30 (\$15 each additional child)

NBS Members

\$25 (\$12 each additional child)

* Due to the July 4 holiday during this session, a make-up day will be announced once the session is in progress.