

SOUTH SHORE SKIMMER



VOLUME 18, No. 7 – SOUTH SHORE AUDUBON SOCIETY

APRIL 1988

PRESIDENT'S MESSAGE

Betsy Gulotta

During the weeks surrounding John J. Audubon's birthday, both National Audubon and South Shore Audubon Society encourage supporters to do something they really enjoy: get outdoors into springtime and see scores of birds during the spring migration throughout North America.

We've combined this pleasant pastime with the ardent birder's desire to see as many species as possible in a competitive challenge called the **Audubon Birdathon**. As a Birdathoner, you simply sight as many species as possible in the 24-hour period between sunrise on May 14 and sunrise on May 15.

But that's not all: when you join a team to go birding, we ask that you give others a chance to get involved with your birding and Audubon work by donating 25 cents or more for each species you see. And the more people you ask outside of your fellow chapter members (your brother-in-law, your barber, your banker, etc.), the more successful the event will be.

And there's more! Both NAS and SSAS are offering valuable prizes to those birdathoners who work the hardest to get sponsors and pledges. The money collected from pledges will be divided equally between NAS and SSAS. With our half going to further our conservation efforts here in Nassau County.

Your efforts on behalf of Audubon this spring will make a difference. You'll reach new members of the community who want to get involved, you'll raise urgently needed funds for the Audubon cause, and you'll become a vital link in the network of Audubon volunteers who have protected America's wildlife and lands for the past century. See pages 9 and 10 of this newsletter for more details about the Birdathon.

GENERAL MEMBERSHIP MEETING PROGRAMS

Len Gordon, Program Chairperson 223-1365

TUESDAY, APRIL 12, 1988, 8:00 P.M.
FREEPORT MEMORIAL LIBRARY
Merrick Road and Grove Street, Freeport N.Y.

Subject: Nuisance Wildlife and Protected Animals
Speaker: Diane Goetz, Volunteers for Wildlife

The problems of nuisance wildlife and protected animals will be discussed and illustrated by Ms. Goetz.

TUESDAY, MAY 10, 1988, 8:00 P.M.
FREEPORT MEMORIAL LIBRARY
Merrick Road and Grove Street, Freeport, N.Y.

Subject: Bicycle Trip Across the United States
Speaker: Joseph Grupp, Vice President, South Shore Audubon

A slide and discussion program relating to the adventure of traveling across the United States on a bicycle will be presented.

TRAVEL TO ALASKA

South Shore Audubon members are invited to travel with Sea Comber Excursions aboard a 60' luxury yacht to explore the Inside Passage of Alaska. For information contact Joan Butkerei at 593-4554 or 623-0843

CLEAN AIR UPDATE

Chiara Nuzzo..... 486-4723

A lot has been happening regarding the Clean Air Act reauthorization and things certainly do move fast! Here is the latest word.

As you may already know, in early December the House of Representatives voted on a Continuing Resolution (the "bill" that sets the agenda for the next session of this Congress). As part of that Continuing Resolution, the House **voted down** an amendment to extend the Clean Air Act's air quality deadlines another 19 months! (It was thus only extended to the end of the next session). This was an important victory for clean air supporters. The **only** Long Island Congressman to vote for this unjustifiable long extension was Cong. Norman Lent. In addition, he made an address on the floor of the House of Representatives to vote for the long-term extension.

Another significant happening in the House is that Cong. Raymond McGrath signed onto the "Vento/Green Letter" (a letter written by several Congressmen and addressed to Cong. Dingell and Lent requesting that they get a Clean Air bill out of their committee this Congress). McGrath was the only Long Islander who hadn't yet signed on — especially important since he is the only other Republican next to Lent.

In late February, Cong. Henry Waxman (D-Cal), Chairman of the Subcommittee on Health and the Environment, attempted to mark-up two clean air bills (H.R. 3054, "The Smog Bill", and H.R. 2666, "The Acid Rain Bill"). Although most subcommittee members attended the opening statements, they did not return for mark-up. Six members must be present to proceed with business and there were only five. Cong. Lent did not attend! This is unfortunate, since his presence would have assured mark-up. Another meeting was scheduled for March 2.

Several Conservative Democrats, because of the Committee's foot dragging on Clean Air legislation, are proposing to write their own bills, by-pass the Committee, and put them on the floor for a vote. Although Cong. Lent has indicated meeting with these Democrats, environmentalists believe this group will author very weak bills — not a promising alternative for clean air supporters! In addition, several Republicans are waiting in the wings armed with weakening amendments to attach to both the Smog and Acid Rain bills, if and when mark-up takes place.

The "Mitchell Clean Air Bill," of which Senator Moynihan is a co-sponsor, is still waiting to go to the Senate floor for deliberation and voting. Several members of the Environment and Public

Works Committee, including Senator Moynihan, have signed a letter called the "Burdick/Stafford Process Letter" asking the Senate Majority and Minority Leaders to put the Clean Air Bill on the floor agenda. Unfortunately, Sen. D'Amato has not yet signed this letter.

ACTION NEEDED: Please write or call Senator D'Amato and request that he sign the "Burdick/Stafford Process Letter." If your Congressman is McGrath, thank him for voting against the long-term extension and for signing the "Vento/Green Letter." All Long Islanders should call or write Cong. Lent to express their disappointment with his vote and speech to ask for his presence and support during future subcommittee mark-ups. If you need more information, please call Chiara (eves) at 486-4723.

Senator Alfonse D'Amato
U.S. Senate
Washington, D.C. 20510
202-224-6542

Congressman Raymond McGrath
202-225-5516
Congressman Norman Lent
202-225-7896
U.S. House of Representatives
Washington, D.C. 20515

NOMINATIONS

The nominations for officers of the South Shore Audubon Society for the 1988-1989 term are as follows:

Joseph Grupp President
Joan Butkereiit..... Vice President
Lennox Gordon..... Treasurer
Louise Halpin Recording Secretary
Ruth Grossman..... Corresponding Secretary
Art Charney Director for Term of 3 Years
Irving Singer Director for Term of 3 Years

The election of officers will take place on Tuesday, May 10, at the General Meeting. Any member in good standing may nominate, from the floor, any other member in good standing for any of the above offices at this meeting.



THE ARCTIC ISSUE HEATS UP

The oil industry, with full support of the present administration and the Department of Interior, is making every effort to open the Arctic National Wildlife Refuge to oil drilling. Conservationists are equally determined to keep the industry out of this large and most northerly refuge.

Congress must decide whether the Arctic refuge will remain our last great unspoiled wilderness or become another Prudhoe Bay. Since the oil industry knows that their best shot is while President Reagan is still in office, its high-dollar lobbyists are turning up the heat on representatives and senators.

Many of you have been following this issue — one of National Audubon Society's high priority campaigns — in the pages of "Audubon Activist" and in this newsletter. Now is the time to take action.

The Senate Energy and Natural Resources Committee has delayed consideration of pro-development THREE times, thanks to the letters and phone calls from Auduboners around the country asking that the committee look for alternatives to opening up the refuge.

But now, the oil and gas industry is doubling its efforts to move legislation forward. This is a crucial time for the refuge in the Senate, and more letters to our representatives and senators are needed. None of our senators sit on the Energy Committee, but you should let them know that you oppose oil and gas development in the Arctic National Wildlife Refuge. It's important that we tell our side of the story now, as the oil and gas lobbyists make the rounds.

The Arctic National Wildlife Refuge was created in 1960 by President Eisenhower. It is an incredible area — from forested valleys to arctic tundra, from barrier islands to high mountains, it is one of the few protected places in the world where large populations of animals, including the famous Porcupine caribou herd, roam without disturbance from man. The scenery and wilderness of the refuge is spectacular. Nowhere else on this planet is there such a unique setting of high sparkling mountains sweeping down to a rich coastal plain, with the caribou herd moving in the same ancient migration patterns it has followed for thousands of years.

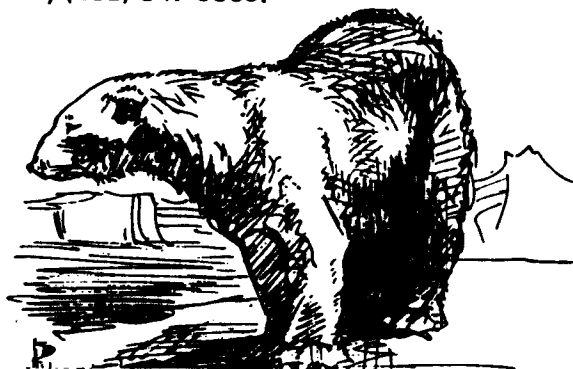
In response to intense political pressure, the U.S. Fish and Wildlife Service recommended that the plain be opened for leasing to the oil and gas industry. The same report predicts that if this

happens there will be a "major population decline" of the caribou herd — up to 72,000 animals lost. It predicts 50% declines or changes in distribution of muskoxen and lesser snow geese, and disruption of polar bear habitat (ANWR is now the only place where these bears are known to den onshore in the U.S.). Ducks, swans, and loons nest on the plain and in the coastal lagoons; snowy owls, golden eagles, gyrfalcons and peregrine falcons nest inland. At least sixteen species of fish inhabit the streams and rivers of the plain. Wolves, foxes, and other species of geese abound.

No matter how carefully done, oil field development is a large scale industrial activity. It requires huge quantities of gravel for networks of roads, drill pads, airports and seaports; if ice roads are used, equally huge quantities of scarce fresh water will have to be obtained from the rivers of the plain. Noise and pollution from heavy machinery operating around the clock (tens of thousands of oil spills have been recorded in the near-by Prudhoe Bay oil field), will impact the fragile tundra far beyond the actual edges of the facilities. Industry claims that the acreage of the actual facilities (not counting noise, air, or water pollution) will only take a small part of the wilderness of the refuge. But the industrial activity will be strung out over the entire plain for 100 miles, and its scars will remain for centuries.

The Fish and Wildlife Service November 1986 Report admits that there is only one chance in five of finding oil, and a much smaller chance of finding oil in commercially large quantities. Audubon has told Congress it believes that wilderness management and protection is the best way to conserve the wildlife resources of ANWR, unless additional scientific evidence confirms that petroleum extraction can be compatible with the Refuge's fragile ecosystem and wildlife values, and if our nation's energy needs can only be met by extracting the oil presumed to be there. No such findings have been made.

If you would like more information on the Arctic National Wildlife Refuge or other issues, please call Connie Mahan at Audubon's Washington, D.C. office, (202) 547-9009.



THEODORE ROOSEVELT SANCTUARY UPDATE

Bill Kolodnicki, Director 922-3200

It has been a while since I had the time to pen such an article. I hope that you have kept up with us by the publication of our activities in your newsletter and by my frequent updates at meetings. The sanctuary has been very busy.

The education programs are, of course, the most demanding of everyones time. Since September we have conducted 400 environmental education programs for over 9000 people. This represents about 200 different schools and organizations. Groups have been serviced in Brooklyn, Queens, Manhasset, Huntington, Hicksville, Freeport, Seaford, East Meadow, Long Beach, Bellmore, Merrick, West Babylon, and areas nearby the sanctuary just to name a few towns. We cover at least a 30-mile radius.

Aside from the above education programs, we have been working on an Oiled Waterfowl Workshop, a conference on Land Use Planning, the JFK Sanctuary Wildlife Management Plan, and the EPA study of Long Island Sound. Bird Banding research projects have been going on along with our wildlife rehabilitation. We hope to break ground on a new aviary, which was paid for by the South Shore Audubon Society.

All of the above takes money and our development committee has been hard at work on corporations, fund raisers, and membership. The Bird Seed money, donated by the chapter, has been critical in keeping it all going. The sanctuary thanks you for your Bird Seed Proceeds and appreciates your efforts. Without these efforts, the education programs stated above would be cut at least in half and many other things that we do to assist wildlife conservation would not happen.

THEODORE ROOSEVELT SANCTUARY APRIL NATURE PROGRAMS

Sunday, April 10, **Animal of the Month – The Red-Tailed Hawk**, 1:30–2:00 P.M., T.R. Sanctuary.

Join our staff for an informal session with our resident Red-Tailed Hawk. Spend five or 30 minutes watching our hawk and asking questions. Bring a camera.

Sunday, April 10, **Bird Trivia**, 2:30–3:30 P.M., T.R. Sanctuary.

Host Roger Schwoerer will moderate a contest of bird brain wits as Audubon members compete to display their ornithological knowledge.

Friday, April 15, **Astronomy Night**, 7:30 P.M., Sagamore Hill.

Tom Carry from the Vanderbilt Museum will lead us through the skies. A short indoor talk at the Old Orchard Museum will get us ready for this celestial event!

Saturday, April 16, **Warbler Workshop**, 2:00–3:30 P.M., T.R. Sanctuary.

Get ready for the spring migration. Our staff will review the coming warblers in their bright plumage and glorious song!

Friday, April 22, **Spring Night Walk at Connetquot River State Park**, 7:00–8:30 P.M.

A walk on an early Spring Night can uncover many beautiful and interesting elements of nature. Come and listen to the frogs and owls call and perhaps get a glimpse of the Woodcock's dance.

Saturday, April 23, **Fund Raiser – Endangered Marine Species on Long Island**, 7:00 P.M., T.R. Sanctuary.

A cocktail party will precede an exciting lecture on whales, seals, and sea turtles which are the interesting aspect of Sam Sadove's life. Mr. Sadove, Research Director of the Okeanos Ocean Research Foundation, will explain to us the importance of our waters to whales and other marine life and how much a part of our Long Island scene they really are. Mr. Sadove is an exciting speaker and will make the evening memorable. Call 922-3200 for further details.

Tuesday, April 26, **May 2, Planting for Wildlife**, 7:30–9:00 P.M., T.R. Sanctuary.

This mini course is dynamic in that the sanctuary and the Planting Fields Arboretum Staff will combine expertise to give the Long Islander insight into how to manage their property for wildlife. Planting and development of the property will be covered as well as when and what to plant.

Cost: \$12.00 non-members – \$10.00 members

EDUCATION REPORT

Rose Ermidis, Chairperson 785-6028

National Audubon is highlighting the Alaskan Tundra for the month of April. An Audubon poster explores the fragile ecology of the tundra. This beautifully illustrated poster explores the life histories of plant and animal inhabitants of the tundra. Some 8000 classroom teachers and over 200,000 children will use this poster to learn about the fragile ecology of the tundra. A teachers guide comes with the poster and provides games and other activities which can make the tundra come to life for the children.

Alaskans are threatened with drastic changes in their land. Native respect for the land has been eroded through modern technology, values, and economics. Their way of life is in danger of extinction. We can help by supporting their efforts to maintain a system that had a deep respect for the land. Ask your legislator to preserve the Arctic National Wildlife Refuge. It may still not be too late to allow the wildlife there an area where they can live peacefully.

PROGRESS AT COW MEADOW

In spite of the cold, snowy, blistery day on Feb. 27, nearly 30 dedicated people arrived at Cow Meadow Park with rakes in hand, for the scheduled "clean-up." All morning they searched the trails and reeds along the edge of the saltmarsh for undesirables—bottles, cans, styrofoam, lumber, shopping carts, old refrigerators, etc. Long after the pick-up truck provided by the County was overflowing, the volunteers kept working, in an effort to restore the neglected preserve to its natural state once again.

South Shore Audubon Society thanks all those who participated in the clean-up on the 27th, and who continue to offer their services in the Cow Meadow project. The job is far from over, and there is much more to be done. We already have volunteers to make bird nest boxes, build the viewing tower, the Osprey platform, and the benches. In order to continue the clean-up, plant trees, construct a fence, insert poles for interpretive stations along the trail, and whatever else comes along, two additional dates have been scheduled: **March 26** and **April 16**. We will meet at 9:30 A.M., in the same place at the south end of the parking field at Cow Meadow Park. With your help, the Preserve should be ready for the ribbon-cutting ceremony at the Environmental Festival on May 15. For more information, please call Betsy Gulotta at (516) 546-8841.

COW MEADOW FESTIVAL PHOTO CONTEST RULES

The rules relating to the submission of nature photographs for the photo contest are as follows:

- Color photo, 8" x 10" minimum mounted on cardboard.
- Entries are limited to two photographs.
- Entries must be received by May 1, 1988.
- All entries will be judged beforehand.
- Winners will be announced at the Festival.
- All entries will be displayed.

Please send your entry to: Chris Zacher, 26 Claurome Place, Freeport, N.Y. 11520

ANNUAL DINNER TUESDAY, JUNE 14, 1988

South Shore Audubon's Annual Dinner will take place at the Oceanside Country Club, Waukena Avenue and Skillman Avenue, Oceanside on Tuesday, June 14, 1988. As usual, the June dinner is held in place of the regular general meeting.

This year's dinner speaker will be Mr. Emil Willimetz. The program will be a slide show and talk on the Amazon Region and the Rain Forest of South America. Mr. Willimetz lived and worked in South America as a documentary film maker and has conducted tours through the area for many years.

The evening will begin at 7:00 P.M. with a cocktail hour. Drinks are \$2.25 at the open bar. For dinner there is a choice of:

- London Broil
- Roast Chicken
- Broiled Fish

The cost for the dinner is \$15.00 per person. To make a reservation, complete the form below and send it with a check made payable to **South Shore Audubon Society** to:

Alan Bromberg
3409 Fairway Road
Oceanside, New York 11572

Name.....

Address.....

..... Phone No.....

Amount of Check..... No. of People.....

No. of each dinner: London Broil.

 Chicken.....

 Fish.....

MEMBERSHIP

Marion Yavarkovsky, Chairperson 379-2090

WELCOME NEW MEMBERS

Wow! 108 new members last month. We hope to meet all of you at one or more of our activities. Spring is a terrific time to join us. See you soon.

- Baldwin Mrs. Elaine Adler, Knox Brothers, Mary Herman, Emil Horfler, Ms Dorothy Ross
Bellmore Richard R. Jacobs, W. Sussman
Bethpage Glen Ringersen, Mark Skawinski, Mr. & Mrs. J. Waxenberg
Cedarhurst Mrs. Marjorie Greller, Carole Wagner
E. Meadow Richard Corey, Lillian Stines
E. Rockaway Helen Berwind, William Gregory
Elmont L. Kezele, Miss Francis Kraus, Eloise Ostrosky, Bernice Rosenberg
Farmingdale Mrs. Doreen Andersen, Ms Janice Howard
Martin Schwarz, Kim Tenreiro
Floral Park Thomas Maroney, F. McConnell, Miss Linda Reala
Franklin Sq Carl Schmitt
Freeport D. Ethier, Ms. Patricia Luzada, Paul Reynolds, Mrs. Francis Sorocka, Amelia Walsh
Garden City Mary Altuna, Mrs. Mary Brodman, Ms. Nancy Dirusso, Martin Shea, Prof. Harold Sthamer, Francis Tiernan
Hempstead Madelien Mandulan, Sarah Meyland, Michael Quirk
Hewlett Frederic Leopold
Hicksville Jerome Sax, Jack Toledano
Island Park Maria Vamracaris, Mrs. Evelyn Zwart
Levittown H. Coleman, Henry Standfast, Joseph Waldvogel
Long Beach Chris Agostino, Fred Babus
Miss N. Beller, B. Christensen, Miss Maureen Geaney, Mrs. Saul Goldman
L. Rosenthal, June Schecter, Brendan Sullivan, Dr. E. Veloso
Lynbrook Jerrie Basile, Kathleen Crotty, Janice Decker, Douglas Held, Mrs. Stanley Steinus, Mike Whitty
Massapequa Mrs. I. Ahrens, George Bossrt, Biago Castellano, Mrs. Alice Corrigan, C. Ward
Massapequa Pk Keith Berman, J. Hillman, Barbara Hurley
J. Iwanejko, E. Smith, Deloris Toroni
Merrick Victor Charkowick, Lee Licata, Kathy Randolph, Peter Steinmaker, Mrs. R. Visone
Oceanside Herbert Aries, Janine Marissi, Joey Vasaturo
Plainview C. Roberts, Mrs. E. Tkacik
Pt. Lookout Mrs. Martha Paulonis
Rockville Ctr Mrs. H. Boggs, Lawrence Mrody, Mr. & Mrs. James Grassia, Grace Lahey, Bari Slatas, Ms. Mary Strang
Roosevelt Andre Santiago
Uniondale Joseph Ryan
Valley Stream Carin Attas, Herta Niebuhr
W. Hempstead Jalaks Glosson, Robert Martino, Alvin Schneiderman
Wantagh Mr. & Mrs. Charles Abbey, Herbert Gilcher, B. Hartman, C. Moehringer, Mrs. J. Prowse
Woodmere Albert Fine DDS, Anna Lapaugh



BIRD OF THE MONTH

RUBY-THROATED HUMMINGBIRD



Archilochus Colubris

Of the twenty-three species of hummingbirds which occur in North America, only one, the Ruby-throated, nests in the Eastern United States. It is also the smallest bird (3½") in the East.

This jewel is common wherever flowers, especially trumpet flowers and the Jewel Weed occur, and might be mistaken for the large hawk moths which also feed upon flower nectar. Protein food for the Ruby-throat consists of large numbers of small insects, and the bird can easily be persuaded to supplement its diet with sugar water from artificial feeders. The Ruby-throat is a fearless, and pugnacious individual as the bird will attack birds far larger than itself, and frequently does battle with bumblebees that try to share its flowers.

The Ruby-throat is a strong and fast flyer. It can hover, fly forward and backward, up to 60 m.p.h., and can beat its wings up to 75 times per second, which is faster than the eye can see.

The well-known brilliance of the male depends upon reflected light to display its fiery red throat and green back. The female is similarly colored, but her throat is white and her outer tail feathers are tipped with white. Its song is a series of high-pitched squeaks uttered in rapid succession. The Ruby-throat nest is a tiny cup of plant-down covered with lichens and held together with spider webs. It is built saddled across a limb of a tree in open woodland areas. Two tiny white eggs are laid.



**SOUTH SHORE
AUDUBON SOCIETY
TRIP TO BRIGANTINE
WILDLIFE PRESERVE
NEW JERSEY
SATURDAY, MAY 7
7:00 A.M. - 9:30 P.M**

**COST, INCLUDING BUS FARE, DINNER AT SMITHVILLE INN, GRATUITIES
\$37.00 PER PERSON**

**The bus will leave from the Merrick Road Golf Club, Merrick Road and Clubhouse Road (Next to
Holiday Park Shopping Center, Exit 9 Eastbound of the Meadowbrook Parkway) Merrick, N.Y.**

Choice for Dinner (Please Check)

- Roast Beef** **Chicken Breast Champignon**

Bring Your Own Picnic Lunch and Drinks

Make Checks Payable to SOUTH SHORE AUDUBON SOCIETY and Mail to:

**Mrs. Evelyn Blume
313 Smith Street
Merrick, New York 11566
516-378-7122 (After 6:00 P.M.)**

**REGISTER EARLY AS ACCOMMODATIONS ARE LIMITED
TO THE CAPACITY OF THE BUS (44)**



LYME DISEASE ON LONG ISLAND

With the coming of spring and more and more of you taking advantage of the outdoors to hike, bird watch, camp, and other activities that will bring you within close proximity to woodlands, fields, and marshes; a certain care should be taken relating to Lyme Disease and other tick-borne diseases here on Long Island.

Lyme Disease is an illness caused by a micro-organism transmitted by the bite of a deer tick. It is characterized by a number of symptoms, but the most common are:

- A red rash on or near the site of the tick bite.
- Arthritic-like symptoms of the knees and other joints.
- Abdominal pain, headaches, stiff neck

The rash begins as a red lesion around the tick bite. Approximately 50% of all LD victims will develop one or more lesions. These lesions appear to be a lighter color in the center and darker around the edges.

The microorganism that causes LD is a spirochete. Transmission of the spirochete to humans occurs through the bite of a tick commonly found on deer and other animals such as dogs, horses, and racoons. The name of the deer tick is *Ixodes dammini*.



Dog Tick
Dermacentor variabilis



Deer Tick
Ixodes dammini

Rocky Mountain Spotted Fever is caused by the bite of a different tick that is most frequently found on dogs. Dog tick bites are usually found on the head and neck of the human body. In contrast, the bites of deer ticks are usually found on the abdomen, back or legs of the body.

Deer ticks are most prevalent in the summer and fall months and are especially active in the month of July. Dog ticks are found most often in the spring and early summer months.

Dog Tick



Deer Tick



Actual Size



HOW TO AVOID TICKS

- Wear light-colored clothing so that ticks can be spotted easily.
- Wear clothing that is made of tightly woven material with a slick surface so that ticks will not cling.
- Avoid brushing up against plants located along trails, paths, or unused roads.
- Apply insect repellent, according to manufacturers directions, and under clothing where ticks crawl.
- Tuck the legs of pants into socks. Tuck shirts into pants and button cuffs.
- Avoid petting wild animals. Never touch the carcass of a dead animal with your bare hands.
- Check frequently for ticks if walking through tick-infested areas.
- Carefully check between legs, around navel, around arms, behind and in your ears, and on your scalp when you return home.
- Deer ticks may be difficult to find because they are small. Crawling ticks may be removed by hand - they will not bite immediately, or a pair of tweezers can also be useful.

HOW TO REMOVE TICKS

- Tick bites should be attended to promptly.
- Apply a drop of oil, nail polish remover, or ammonia to a tick and observe for 20 minutes to facilitate removal.
- Grasp the tick with a pair of tweezers, getting as close to the skin as possible.
- Firmly pull the tick straight out. Do not twist or jerk the tick.
- If the mouth parts of the tick break off during removal, consult your physician.
- **Never** kill the tick while it is still attached to your skin.
- After removing the tick, save it so that your physician can identify it.
- Wash your hands with soap and water and apply antiseptic to the site of the tick bite.
- If the rash or other symptoms occur, contact your physician promptly.

Remember, if you suspect that you have LD, call the Lyme Disease Hotline, 444-3287 at the State University of New York at Stony Brook or contact your physician.

SOUTH SHORE AUDUBON BIRDATHON

Few people think of birdwatching as a competitive activity, much less a way of making money. But on May 14 –15, 1988, the South Shore Audubon Society will take part in the world's largest competitive bird-watching event, the 1988 Audubon Birdathon, organized by the National Audubon Society. South Shore Audubon members will use their birdwatching skills to raise money for South Shore Audubon's local programs here in Nassau County as well as national environmental research, education and action programs.

South Shore Auduboner's, who will meet at the areas listed below, will join birders across the country, scanning the skies and bushes in a one-day marathon attempt to identify as many bird species as possible.

Individuals and Audubon chapters are competing for prizes based on the most species seen and the greatest amount of money raised. National Audubon is awarding prizes such as binoculars, outdoor equipment, and cameras, donated by companies including Minolta, Nikon, Polaroid, Timberland, Swarovski, and ZEISS. In addition, our chapter will award prizes to the South Shore Audubon Birdathoner who recruits the largest number of sponsors and the Birdathoner who collects the largest amount of money in pledges. Prizes will be awarded at the June 14, annual dinner.

South Shore Birdathons will be held between sunrise May 14 and sunrise May 15 at the following locations:

- Team 1. Jamaica Bay Wildlife Refuge. Leader: Elliot Kutner (486-7667). Start time: 8:00 A.M. (This team will move from one location to another throughout the count period.)
- Team 2. West End, Parking Field No. 2, N.E. Corner, Jones Beach. Leader: Paul Butkerei (623-0843). Start Time: 8:00 A.M.
- Team 3. Twin Lakes Preserve, Wantagh. Leader: Tom Torma (223-7947). (This group will leave from the Forest Lake School parking lot at sunrise and again at 9:00 A.M. Birdathoners may join the group at either time).
- Team 4. Muttontown Preserve. Leader: James Remsen (764-5168). (This group will leave when the preserve opens and again at 9:30 A.M., from the parking lot).

We would like each member to be an active Birdathoner, a sponsor in his/her own right, and a recruiter of additional sponsors from both **within** and **without** the South Shore Audubon Society.

Sponsors will be expected to pledge the amount of their choice (suggestions 25 cents, \$1.00, or other amount) per species identified by the Birdathoner and his/her team.

Birdathoners will be responsible for notifying sponsors after the Birdathon, collecting their checks (made payable to the South Shore Audubon Society), and forwarding two (2) copies of their sponsor pledge forms to the Birdathon Chairpersons by May 31, 1988.

Additional Sponsor pledge forms and information will be available at meetings, birdwalks, or by calling either of the following:

Arthur Atlas: 1542 Berkeley Avenue, Baldwin, N.Y. 11510
516-223-2327 (Evenings)

or

James Remsen, Jr., 3264 Park Avenue, Oceanside, N.Y. 11572
516-764-5168 (Afternoons)

AUDUBON BIRDATHON

SPONSOR PLEDGE (SIGN-UP) SHEET

Birdathoner's Name.
(Please Print)

Chapter.

SPONSOR'S NAME/ADDRESS/PHONE AMOUNT PLEDGED
..... PER SPECIES

1. MY OWN PLEDGE

2.

3.

4.

5.

6.

7.

8.

9.

10.

11.

12.

13.

14.

15.

16.

17.

18.

19.

20.

BOOK REVIEW

The Year of the Crab; Marine Animals In Modern Medicine, by William Sargent, W.W. Norton & Co., 1987

Growing up on Cape Cod in the vicinity of Woods Hole Oceanographic Institution, author and naturalist William Sargent acquired a knowledge and appreciation of the natural history of the marine environment at an early age. His book, "The Year of the Crab", reflects that knowledge and radiates his appreciation of the miraculous interrelationship among the marine invertebrates in the waters off of Cape Cod.

The book relays a second message also. It reminds us of our basic evolutionary background from the invertebrates, and reveals to us the importance of understanding that background. For the simpler animals possess a basic anatomy and physiology that can be used and manipulated in the marine laboratory to provide modern medicines and knowledge to cure human diseases.

Research on the horseshoe crab has contributed numerous discoveries in neurobiology, the functioning of antibodies, and the fight against bacterial infection. Sargent explains how the long single cell of the horseshoe crab's optic nerve is more adaptable to laboratory research on nerve functioning, and its blood (which can be obtained without killing the animal) is used to unravel the evolution of antibodies in higher mammals as well as to produce a substance that fights bacterial diseases.

Mr. Sargent also discusses discoveries made from other marine invertebrates and fish. Sea urchins, jellyfish, squid, and lobsters have been the subject of modern biological research to unravel secrets of nerves, muscles, blood and vision, and provide the basic research materials that today's medical cures depend on. The nerves in the squid's mantle and the bioluminescence of jellyfish, for example, reveal new information on neurotransmitters — those chemical messengers in the body.

The book is written in the context of a year in the natural cycle of events in the lives of these marine animals. The story begins in spring when the waters are full of fish eggs, larval fish and adults, part of the "well orchestrated unfolding of life, finely attuned to the rising water temperature, increasing daylight, and the renewal of nutrients." Summer involves shallow waters full of tiny swimming larvae which soon settle to the ocean floor to take up their sedentary adult forms as the clams, crabs, sea stars, and worms of the estuaries. Autumn is initiated by migrations down the East Coast of a whole food chain of horseshoecrabs, jellyfish, stingrays, eels, bass, as well

as the predatory birds that comprise the top of this food web. The forces that lead to the evolution are discussed, and the neurological mechanisms involved in such complex behaviors are studied in connection with the research of biomedical cures for neurological disorders. Winter brings the warm Gulf Stream carrying some tropical species with it, but the horseshoe crabs and lobsters prefer to rest in the cold deeper waters off the Continental Shelf. Temperatures often dip below freezing (pressure prevents the formation of ice), until mid-February when water temperatures begin to rise again, triggering the annual spawning of the sea urchin, and thus bringing the story full-circle back to the birth of spring again.

This book was a marvelous account of the marine environment, actually making the reader feel a part of the natural intertwined cycle of living forms depending on each other under the control of the physical forces around them.

—Betsy Gulotta

WINGS VISITS AUDUBON

N. Merrick Elementary School's Widening Interests through New Experiences for Gifted Students (WINGS) 4th — 6th graders are involved in a Future Problem Solving Competition. For this competition, the students must analyze the Acid Rain problem and propose original solutions. South Shore Audubon has invited the WINGS to present their most important problem and original solution to the Society at the April 12 General Meeting.

RECYCLING—SANITARY DISTRICT NO. 2 HEMPSTEAD Lennox Gordon

Since June 1987, Sanitary District No. 2 has maintained a depot for the voluntary deposit of recyclable materials. Curbside collection for half the District started December 14, 1987. Collections from half the District for the full month of January 1988 were: Newsprint Paper, 130.14 tons; Glass, 22.65 tons; and Metal cans (steel and aluminum, 7.24 tons. For a total of 160 tons collected.

In addition, the continual collections from the entire District, of old appliances and large metal scrap amounted to 26.3 tons. Total waste from the entire District amounted to 2410.55 tons. Extrapolate for full month (160.03 x 2) +26.3 = 346.36 tons or 14.37% of the waste stream.

BIRD WALKS

Elliot Kutner, Birding Chairperson 486-7667

All walks start at 9:30 A.M.
No walks if it rains, snows or temperature
is 25 °F or below.

- Apr. 3 West End No. 2, N.E. Corner, Jones Beach
- Apr. 10 Jamaica Bay Wildlife Refuge
- Apr. 17 Hempstead Lake State Park
(Peninsula Blvd. Parking Lot)
- Apr. 24 West End No. 2, N.E. Corner, Jones Beach

RARE BIRD ALERT
212-832-6523

BINOCULARS AND SCOPES

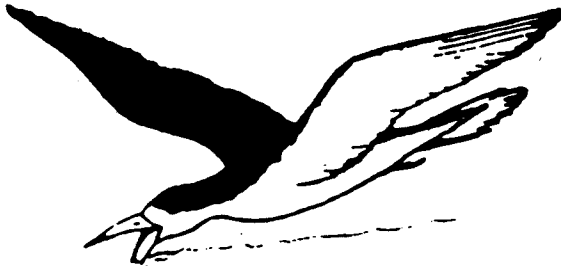
For 30% to 50% savings on Bushnell and Bausch
and Lomb binoculars and scopes, see Bill Herzog
at meetings and bird walks or call 791-7886
(7:00 P.M. — 9:00 P.M.)

**1987-1988 SOUTH SHORE AUDUBON
OFFICERS, DIRECTORS,
AND COMMITTEE CHAIRPERSONS**

- Betsy Gulotta, President 546-8841
- Joseph Grupp, Vice President 481-4208
- Louise Halpin, Recording Secretary 546-6147
- Malcolm Marum, Treasurer 752-0396
- Ruth Grossman, Corresponding Secretary 378-8809
- George Appoldt, Director 678-4964
- Arthur Atlas, Director 223-2327
- Ann McIntyre, Director 379-2206
- Lois Schlegel, Director 822-1546
- James Browne, Dir. & Preserve Chairperson 889-9330
- Evelyn Blume, Dir. & Trip Chairperson 378-7122
- Joan Butkerei, Conservation Chairperson 623-0843
- Paul Butkerei, Birds Seed Sales 623-0843
- Rose Ermidis, Education Chairperson 785-6028
- Elliot Kutner, Birding Chairperson 486-7667
- Marion Yavarkovsky, Membership Chairperson 379-2090
- Jack McLoughlin, Publicity Chairperson 889-8092
- Len Gordon, Program Chairperson 223-1365
- James Remsen, Youth Representative 764-5168
- Bill Herzog, Binocular & Book Sales (7-9 P.M.) 791-7886
- Myrna Brier, Hospitality Chairperson 764-7523
- Frieda Malament, Holiday Parties 795-5842
- Jerry Bernstein, Skimmer Editor 623-8255

AUDUBON HOTLINE
202-547-9017

U.S. Postage
 PAID
 Permit No. 131
 NON-PROFIT
 Island Park, N.Y.



SOUTH SHORE AUDUBON SOCIETY
 P.O. Box 31
 Freeport, New York 11520

MARION YAVARKOVSKY
 26 W LOINES AV
 MERRICK NY 11566



A CHAPTER OF THE NATIONAL AUDUBON SOCIETY
Americans Committed to Conservation