

ADIRONDACK FACULTY ROSTER

Aquatic Ecology

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Asheville, NC 28805

Bob and Sally Shearer  
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Mexico, NY 13114

Birdwatching

Art Gingert  
River Road  
P.O. Box 185  
West Cornwall, CT 06796

David Middleton  
7323 N.W. Madrone Way  
Corvallis, OR 97330

Creative Environmental Teaching

Dr. Herb Broda  
3591 Snyder Drive  
Wooster, OH 44691

Geology and Cultural History of the Adirondacks

Dr. John Thomas  
Department of Geology  
Skidmore College  
Saratoga Springs, NY 12866

Hiking the Adirondacks

Doug Fitzgerald  
P.O. Box 96  
Lake Clear, NY 12945

Earl Langdon  
Ausable Acres  
Jay, NY 12941

Earnest Hazard  
Box 74  
East Haven, VT 05837

Ted Mack  
Keese Mill Road  
Paul Smith, NY 12970

Indoor/Outdoor Awareness

Barbara Middleton  
College of Forestry  
Peavy Hall, Room 23 (FMC)  
Oregon State University  
Corvallis, OR 97331

Willard Vaughan  
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Louisville, KY 40206

Outdoor Photography

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Burlington, VT 05402

Jeff Clarke  
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Burlington, VT 05401

Plants of the Adirondacks

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Pleasant Street  
Becket, MA 01223

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Department of Microbiology  
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Burlington, VT 05405

Ruth Schottman  
55 Goode Street  
Burnt Hills, NY 12027

Wildlife Ecology

Mark Brown  
Schroon River Road  
Warrensburg, NY 12885

David St. James  
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Lenox, MA 01240

John Hickey  
73 Greenbush Street  
Cortland, NY 13045

Chuck Wilson  
42 Cowance Street  
Cortland, NY 13045

TEEN ADVENTURE PROGRAM

Director

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Urbana, IL 61801

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Golden Valley, MN 55422

Steve Linskins  
2887 Ferndale Drive  
Green Bay, WI 54303

YOUR BIG BACKYARD PRESCHOOL PROGRAM

Director

Betty Minnaert  
35 Presentation Road  
Brighton, MA 02135

Open Day Classes

Ken Hunter (Fishing)  
RD #1  
Muncy, PA 17756

Dave Linthicum (Orienteering)  
11703 Orebaugh Avenue  
Wheaton, MD 20902

Toni Pepin (Attracting Birds  
Through Plantings)  
Backyard Wildlife Habitat Program  
National Wildlife Federation  
1412 16th Street, N.W.  
Washington, D.C. 20036

Ruth Strickling (Watercolors)  
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Dumont, NJ 07628

RANGER RICK YOUTH PROGRAM

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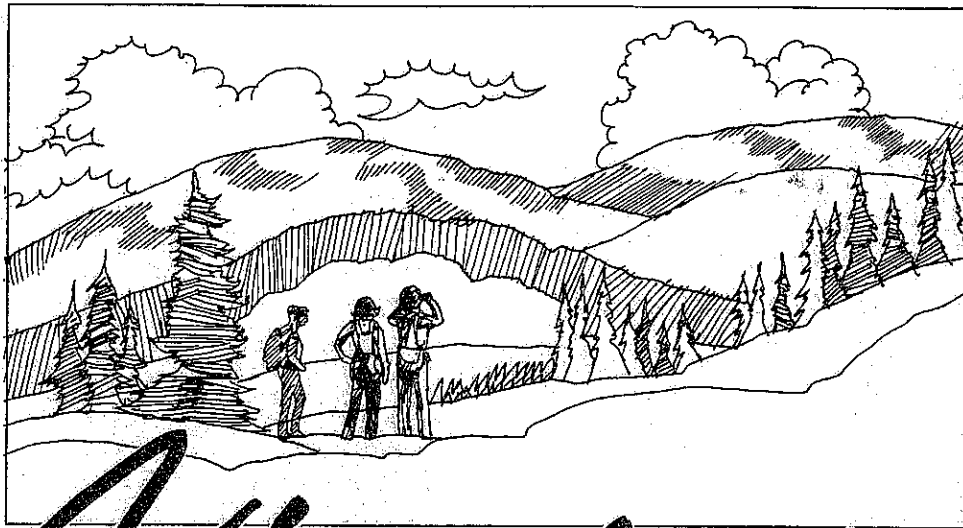
Fred Gager  
Box 240  
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David O'Donnell  
1622 S. Salina Street  
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Lisa Bryce  
1225 Manitou Avenue #2  
Manitou, CO 80829

Laura Meade *during Syn. - teaching wildflowers to  
youngsters*  
Hague, NY

Stephanie Wald  
4034 Orcatt Road  
Santa Maria, CA 93455



# Adirondacks

CONSERVATION

SUMMIT 1987

*program handbook*



NATIONAL WILDLIFE FEDERATION

# Adirondacks

## CONSERVATION

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## SUMMIT 1987



August 2 - 8, 1987

Conducted by  
the  
National Wildlife Federation  
1412 16th Street, N.W.  
Washington, D.C. 20036-2266

Dr. Jay D. Hair  
President, National Wildlife Federation

William W. Howard, Jr.  
Senior Vice President, Conservation Programs

Dr. S. Douglas Miller  
Vice President, Research and Education

Conservation Summit Staff:

Sheri Sykes  
Josetta Hawthorne  
Jody Hughes  
Sharon Fitzgerald  
Chris Wold



Working for the Nature of Tomorrow™

## NATIONAL WILDLIFE FEDERATION

1412 Sixteenth Street, N.W., Washington, D.C. 20036-2266 (703) 790-4363

### CONSERVATION SUMMITS®

#### WELCOME to the 1987 Adirondacks CONSERVATION SUMMIT!

This booklet describes the exciting week of programs that we have planned for you. We have carefully selected programs that will help you explore and discover the unique environment of Lake George and the Adirondack Park. This Program Handbook will help you decide which classes to choose; from Aquatics to Wildlife Ecology, from Birdwatching to Outdoor Education, there is something to meet everyone's needs and interests. Through these classes, our highly qualified instructors will share their knowledge and interest of the natural world with you.

Our theme for this year's Summits is "We Care About Clean Air," which was the theme for NWF's National Wildlife Week held March 15-21, 1987. This theme is important to each and every one of us since we all need clean, healthy air to survive.

Unfortunately, no matter where you live in the United States, your lungs probably absorb dangerous pollutants along with life-giving air. You as an individual can make a difference by supporting clean air legislation, using public transportation or carpooling, reducing the amount of electricity that you use, and recycling products and containers.

We know by your decision to attend a Conservation Summit that you already are concerned about our environment, and support NWF's programs and goals. We appreciate your interest and involvement in the Adirondacks Summit and I'm sure that you will find the week to be a very special and memorable one.

I look forward to meeting you in the Adirondacks!

Sincerely,

*Sheri L. Sykes*

Sheri L. Sykes  
Coordinator  
Adirondacks Summit

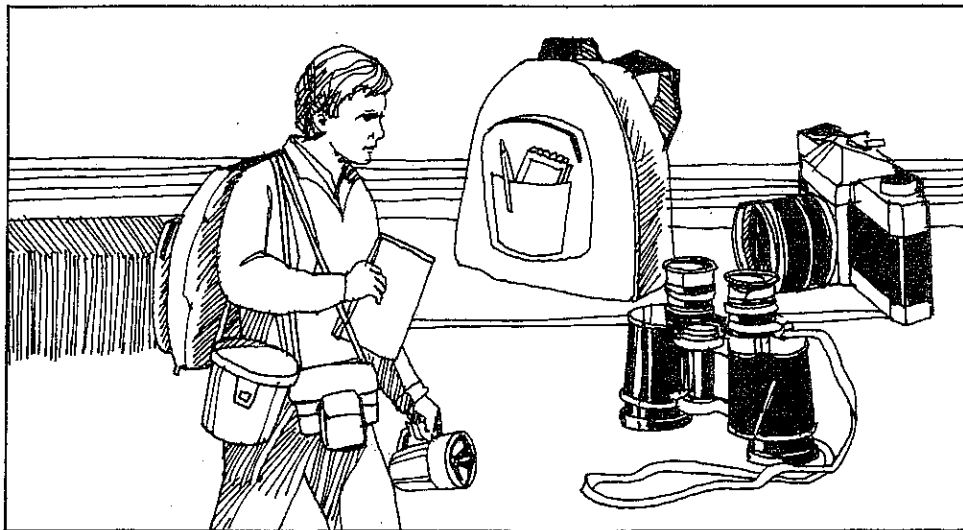
# PREPARING FOR YOUR WEEK AT THE SUMMIT

Please read the information in this booklet very carefully and be sure to return the enclosed forms within two weeks. This handbook will answer many of your questions concerning program offerings, how to sign up for classes, travel arrangements, and registration on opening day. It also describes what you will need to bring and what services the conference center offers.

Enclosed are transportation and adult class enrollment forms, and registrations for the pre-school, youth and teen programs. All forms applicable to your group must be filled out and returned by Friday, June 26. Each person taking adult classes must complete a separate class enrollment form; instructions for completing these forms are given in the following pages.

Class enrollments can only be completed by mail, and CLASSES ARE FILLED ON A FIRST COME, FIRST SERVED BASIS. Please make your choices early -- enrollment is limited in some classes. Your confirmed class schedule will be included in the registration packet you'll receive on opening day of the Summit.

We will be happy to answer any questions you might have as your preparations for the Summit get underway. You can reach us at (703) 790-4363.



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## II. ADULT PROGRAM

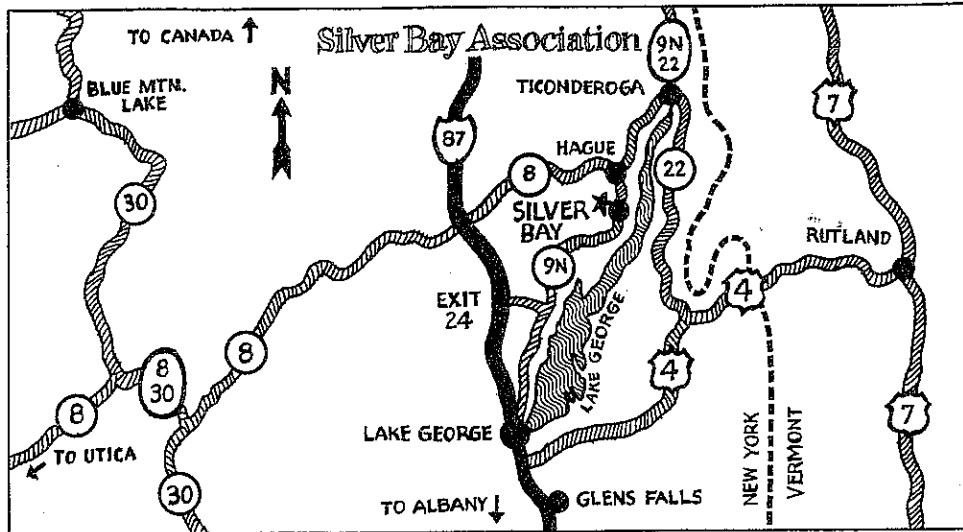
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## ARRIVAL AT THE SUMMIT

### Summit Location:

The Silver Bay Association is located 80 miles north of Albany on the western shore of Lake George. Mailing address: c/o CONSERVATION SUMMIT, Silver Bay Association, Silver Bay, NY 12874. Telephone: 518/543-8833.

### Travel:

**By Car:** From Interstate 87 in New York, take exit #24 and drive east for five miles to the road's end at Route 9N. Turn left on Route 9N and drive north approximately 13 miles to Silver Bay. Look for Silver Bay Association signs on the right, two miles past Sabbath Day Point.

**By Air:** Transportation from the Albany Airport to the Summit site is available early afternoon on August 2, through advance reservation with NWF. Please use the enclosed Transportation Form. Transportation will also be available from Silver Bay to the airport on the closing day of the Summit, August 8, departing about 9:00 a.m. and arriving at the airport around 11:00 a.m. The cost for this service is \$10.00 per person one way, or \$20.00 roundtrip, payable in advance to NWF.

If you miss NWF's transportation, Trailways (518/436-9651), offers a late afternoon bus each day from the downtown Albany bus station, directly to Silver Bay. The cost is approximately \$22.00 round trip. They also have

several buses each day between Albany and Lake George, (18 miles south of Silver Bay). From Lake George it will be necessary to take a taxi to Silver Bay. Contact the Lake George Taxi Company at 518/585-7912 for service to Silver Bay.

By Train: Amtrak trains stop in Ticonderoga (20 minutes north of Silver Bay). Contact Belden's Taxi 518/585-6606 or Mary's Taxi 518/585-7912 for service to Silver Bay.

#### Arrival and Departure:

Plan to arrive on Sunday, August 2 between 2:30 and 5:00 p.m. Departure is on Saturday, August 8, following breakfast.

#### Registration:

Begins at 2:00 p.m. in the Silver Bay Inn. Check in and pick up your packets containing Summit scarves, name tags, rosters, and class schedules for each member in your party. Teens and children will register for their respective programs. Late arrivals after 5:30 p.m., should register at the Inn's front desk.

#### Accommodations:

Room assignments will be given at registration in the Silver Bay Inn. Payment for housing and meals is made directly to the Silver Bay Association and may be made by cash, personal check, traveler's check, or money order. You will be notified at registration when to pay for accommodations during the week.

#### Meals:

Serving times are Breakfast--7:15-8:15 a.m.,  
Lunch--12:00 noon-1:00 p.m., Dinner--5:30-6:30 p.m.

## SUMMIT PROGRAM

#### Daily Schedule:

8:30 a.m.-3:00 p.m.	Adult, Teen, and Youth Programs (see individual descriptions)
3:30 p.m.-5:00 p.m.	Afternoon Program*--special topics, activities and programs changing daily, open to all Summiteers.
8:00 p.m.-9:15 p.m.	Evening Program*

\*A leaflet describing afternoon and evening programs will be available at the Summit.

**What to Bring:** Informal sports clothes. Sweaters, windbreakers, rain gear, and comfortable walking shoes. Bathing suit, beach towel, and sunscreen for swimming and canoeing. Flashlight, camera, binoculars, alarm clock, notebook, and pencils. Mornings and evenings are cool in the Adirondacks. Most days are sunny and warm, with occasional showers.

**Book Sales:** A special selection of identification and natural history books will be available. Check with the Summit registration desk for times and location of the sales office.

## SILVER BAY ASSOCIATION SERVICES



**Health Services:** Infirmary is located on the Silver Bay grounds and is staffed by a nurse. Ambulance transportation to the Moses Luddington Hospital in Ticonderoga is available in case of emergency. Inquire at the Silver Bay Inn, front desk.

**Snack bar/Store:** Snacks and various items of clothing, toiletries, souvenirs, and gifts are available. Open Monday-Saturday 8:30 a.m.-5:00 p.m. (closed for lunch 11:30 a.m.-1:00 p.m.), 7:00 p.m.-11:00 p.m.; Sunday 1:30 p.m.-5:00 p.m., 7:00 p.m.-11:00 p.m.

**Leisure Time Activities:** Swimming (in Lake George), tennis, boating, fishing, archery, shuffleboard, volleyball, baseball, basketball, ping-pong, frisbee. For information and fees, inquire at the Collins Equipment Center, open 8:00 a.m.-10:00 p.m.

**Craft Shop:** Located in the loft above the Administration Building. Materials are available for various crafts, including ceramics, jewelry, leather, dried flowers, and weaving. Open Monday-Saturday 8:30 a.m.-11:30 a.m., 2:00 p.m.-5:30 p.m.

# UNIVERSITY CREDIT PROGRAM

This program has been developed especially for teachers and others interested in earning university credit while attending the Summit. Students will earn credit by participating in the Summit as a whole. Each student will select classes suited to his/her own needs and interests. University credit is offered by the National Wildlife Federation in cooperation with the State University of New York at Cortland and the University of Bridgeport, Connecticut.

Registration for university credit will take place on opening day of the Summit at Registration. Forms will be completed at this time. Full tuition payment must accompany forms. (Payment for university credit is not to be confused with the \$185/adult program fee for the Summit classes.)

## STATE UNIVERSITY OF NEW YORK AT CORTLAND

Course: BIOL 604 Conservation Summit. This is a graduate level biological science course. 1 unit of credit is available.

Tuition: \$90.85 for 1 credit - includes all fees

Course Requirements: Participation in the entire Summit will qualify for 1 credit.

Questions regarding this program should be directed to:

Dr. John T. Hickey  
73 Greenbush Street  
Cortland, New York 13045  
(607) 756-2336, evenings

UNIVERSITY OF BRIDGEPORT, CONNECTICUT

Course: BIO 470 Conservation Summit, (1 or 2 semester hour units of credit)

Tuition: \$100.00/one unit; \$165.00/two units + \$25 one-time application fee.

Course Requirements: For one unit of credit, each participant will: attend a minimum of 10 instructional hours of his/her choice and participate fully in each class.

For two units of credit, each participant will: attend an additional 10 hours of instruction (grand total of 20 hours).

**NOTE:** At the University of Bridgeport, the above course carries either upper level undergraduate or low level graduate credit. Due to the variations in "credit policies" at different institutions, each participant bears the responsibility of clearing the transfer of these units to his/her home institution or school district. These units are acceptable in the graduate Bio-Education program at the University of Bridgeport.

Questions regarding this program should be directed to:

Dr. Hugo A. James, Chairman  
Biology Department  
University of Bridgeport  
Bridgeport, Connecticut 06601  
(203) 576-4270, days

# CHOOSING YOUR SUMMIT SCHEDULE

This year, the Summit classes are organized into Program Tracks. Each Program Track lasts a half to a full day, allowing you to take a more in-depth look at each of the subject areas. Several of the Program Tracks combine two or more related subjects, such as "Plants of the Adirondacks" which includes studies of wildflowers, mushrooms, and edible plants, providing an integrated coverage of the subject area. In addition, many of the tracks are taught by two or more instructors, combining and complementing their knowledge and expertise.

Program Track descriptions for the Adult Program appear on pages 14 through 27. Along with this handbook you will find a separate **SUMMIT CLASS ENROLLMENT FORM** for each member of your party in the Adult Program. Read through the Program Track descriptions to decide what you would like to take. Then fill out and return the completed form(s) to us so that we may schedule your Program Tracks. Each adult must complete and return a separate Class Enrollment Form.

Due to the longer Program Track format, you will be able to sign up for only one Program Track per day. When you fill out your Class Enrollment Form, please list your choices in order of priority, with two alternatives for the week. We encourage you to sign up for four Program Tracks, allowing one free day to sample some of our Open Day Classes. The Open Day Classes (pages 28-31), allow you to take a variety of shorter courses on your free day. Please indicate your choices for Open Day Classes in the spaces provided on the Enrollment Form.

## INSTRUCTIONS FOR COMPLETING CLASS ENROLLMENT FORMS

1. Read the Program Track descriptions on pages 14 through 27, and select the four or five tracks that you wish to take, as well as two alternatives.
2. Fill in the information blanks on the Class Enrollment Form. Leave a space between last and first names. Occupation and age are optional, but helpful to us in understanding the background of Summit participants. A separate form must be completely filled out for each member of your party taking adult classes.
3. In the spaces provided on the bottom of the form, fill in the code for each Program Track that you select (refer to the list of Program Tracks and their codes which follows). Be sure to list your choices in order of priority, starting with block #1. This will help ensure that you get the classes that you want the most. You may not sign up more than once for any class due to limited space.

4. Mail the completed forms to us by Friday, June 26, 1987 using the enclosed return envelope.

Please note that classes are filled in the order that enrollment forms are received by us. The sooner we receive your forms, the greater your chances are of receiving your selected Program Tracks.

SAMPLE:

CLASS CODE				BUDDY	CLASS CODE				BUDDY	CLASS CODE				BUDDY		
E	E	D			1	O	A	X		W	E	C				

DEADLINE FOR RECEIVING ENROLLMENT FORMS IS FRIDAY, JUNE 26, 1987

### Buddies

You may request to be scheduled in classes with someone else. Please note that by requesting a "buddy" your chances of getting the requested Program Track are reduced. Individual requests for classes are scheduled first by the computer, followed by Buddy requests.

If you decide to enroll in classes with someone else, please follow these procedures:

1. Fill in his/her name on the CLASS ENROLLMENT FORM.
2. Put an "X" in the "buddy" box next to each Program Track or Open Day Class in which you'd like to be scheduled together.
3. Each adult must complete a Class Enrollment Form.
4. You may request only one classmate for a buddy. Requests to be scheduled with third or fourth parties, or other pairs, can not be honored and will result in forfeiting all buddy requests.
5. You must mail your Class Enrollment Form to us in the same envelope as your buddy's.

We appreciate your cooperation with this, and every effort will be made to schedule you with your classmate.

# CLASS SCHEDULING INFORMATION

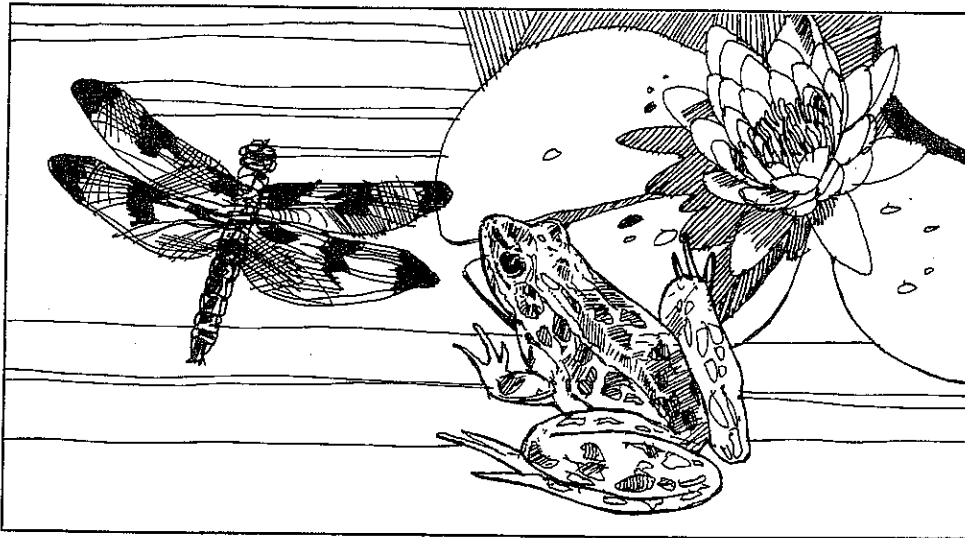
<u>PROGRAM TRACKS</u>	<u>CODE</u>	<u>LENGTH</u>
AQUATIC ECOLOGY	AQU	8:30 a.m.-4:00 p.m.
BIRDWATCHING		
6:00 a.m. walks	BRE	6:00-7:00 a.m.
All-day Field Trips	BRT	8:30 a.m.-3:00 p.m.
CREATIVE ENVIRONMENTAL TEACHING	EED	8:30 a.m.-12 noon
GEOLOGY AND CULTURAL		
HISTORY OF THE ADIRONDACKS	GEO	8:30 a.m.-4:00 p.m.
HIKING THE ADIRONDACKS	HIK	8:30 a.m.-3:30 p.m.
INDOOR/OUTDOOR AWARENESS	IOA	8:30 a.m.-12 noon
OUTDOOR PHOTOGRAPHY		
BASIC	PHB	8:30 a.m.-12:30 p.m.
ADVANCED	PHA	8:30 a.m.-12:30 p.m.
PLANTS OF THE ADIRONDACKS	PLT	8:30 a.m.-3:00 p.m.
WILDLIFE ECOLOGY	WEC	8:30 a.m.-3:00 p.m.
<u>OPEN DAY CLASSES</u>		
ATTRACTING BIRDS THROUGH PLANTINGS	BIR	1:30 p.m.-3:00 p.m.
FUNDAMENTALS OF FISHING	FIS	8:30 a.m.-12 noon
ORIENTEERING	ORT	8:30 a.m.-11:30 a.m.
WATERCOLORS	WAT	9:00 a.m.-11:45 a.m.

# ADULT PROGRAM TRACKS

## AQUATIC ECOLOGY

The Aquatic Ecology Program Track consists of lake and stream investigations and a look at the reptiles and amphibians that inhabit nearby wetland areas. This all-day course begins with a brief overview, then half of the time is spent on aquatic studies, while the other half is devoted to reptiles and amphibians.

The Aquatic Investigations section will begin with a discussion on lake study techniques, the effects of acid rain, and ways to reduce human impacts on water quality. Then you will go out into the field to take samples from both the lake and stream environment. Time will be spent sorting and identifying the organisms that are found. Macro-invertebrates, such as mayflies and crustaceans, are found in aquatic samples, and are good indicators of how clean or polluted a water body is. They are also an important part of many reptile and amphibian food chains.



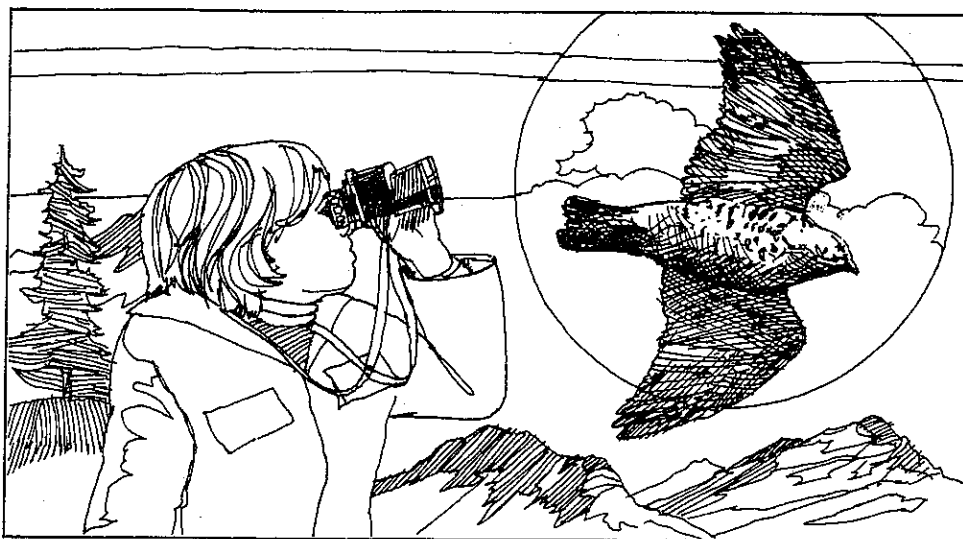
Reptiles and Amphibians, although shunned by many, are some of nature's most fascinating inhabitants. Many of them have important ties to the aquatic environment. Although some amphibians may live their adult lives far from water, they still have to return to it for breeding and egg-laying. Wetlands also harbor many reptiles, some common, and others rare and endangered such as the shy and secretive bog turtle. In this section of the Aquatic Ecology Program Track, you will have the opportunity to investigate and discover the reptiles and amphibians that live in a variety of nearby habitats. There will also be time to discuss their natural history and their importance in the Adirondack ecosystem.

Schedule: 8:30 a.m.-4:00 p.m. This course will be held on the Silver Bay grounds, with approximately an hour to an hour and a half break for lunch.

Bring to Class: Pencil and paper, insect repellent and sunscreen; wear comfortable clothing and old shoes and socks, (you may get your feet wet!). Optional: bathing suit.

Instructors: Carlton Burke, who teaches the reptile and amphibian section, is the senior naturalist in charge of exhibit development at the Western North Carolina Nature Center, located in Asheville, North Carolina. He is interested in all aspects of nature study and education, but his favorite subject is herpetology. Carlton has taught at several Summits, including the Blue Ridge and Adirondacks.

Bob and Sally Shearer are the instructors for the lake and stream investigations. Sally is a graduate of the State University of New York at Oswego, where she received undergraduate and graduate degrees in biology and secondary education. She has worked as a research biologist conducting surveys on freshwater invertebrates and currently teaches middle school physical science. Bob is a graduate of Union College in Barbourville, Kentucky. He has over ten years experience in aquatic sciences, including Assistant Director of the Rice Creek Biological Field Station in Oswego, New York. Bob is currently responsible for water resource management with the Oswego County Health Department.



## BIRDWATCHING

Summit guests will have the opportunity to observe and to learn about many of the birds nesting in the vicinity of Silver Bay and nearby Adirondack Park. Early morning walks will concentrate on the birds found around the lodge. Day field trips will venture further into the park, where we will sample the varied birdlife of the northern mountains. Topics include identification, behavior, and life histories. Walks will be at a comfortable pace, but may be over uneven ground, including mountain trails. A special afternoon class (Monday, 3:30-5:00 p.m.), for the beginning birdwatcher will introduce the techniques and tools of the trade, as well as preview the local avian residents. (See the Afternoon and Evening Program Brochure for details).

**Schedule:** 6:00 a.m. walk (one hour), Day Field Trip 8:30 a.m. 3:00 p.m.

**Bring to Class:** Binoculars, sturdy walking shoes, canteen, sunscreen, insect repellent, and your favorite field guide to eastern birds.

**Instructors:** David Middleton is Associate Director of Joseph Van Os Nature Tours and an ornithology instructor for the National Audubon Society and the National Wildlife Federation. He leads national and international nature tours and teaches ornithology on the Maine coast. Previously, he was a member of the faculty at the Pennsylvania State University. His wife, Barbara, is also on the faculty of the Adirondacks Summit.

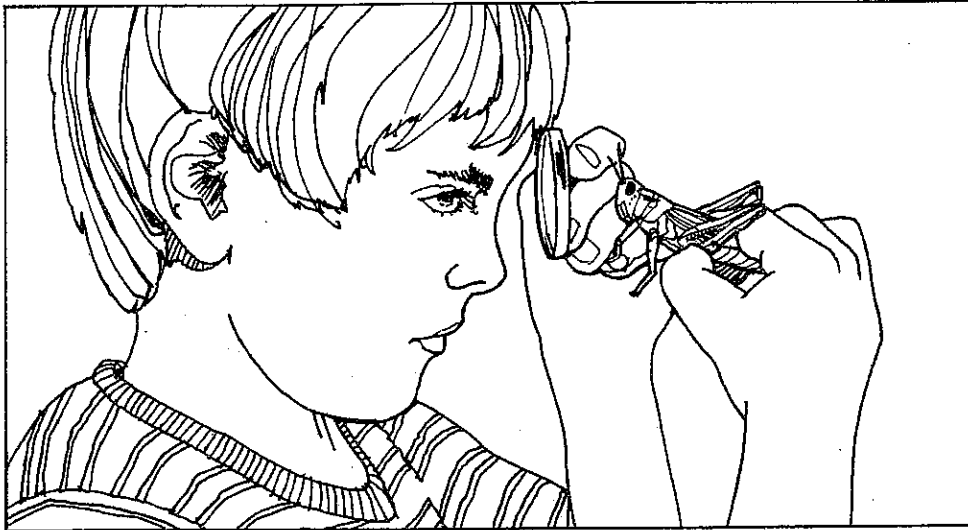
**Art Gingert** is a wildlife management consultant and nature photographer. He teaches field ornithology for the National Audubon Society in Maine and has led birding sessions at the NWF Rocky Mountain and Adirondacks Summits. Special interests include research work with eastern bluebirds and American kestrels, as well as playing the guitar and singing folk music.

## CREATIVE ENVIRONMENTAL TEACHING: TIPS AND TRICKS, GIMMICKS AND GRABBERS!

This half-day Program Track will provide a variety of teaching techniques and activities that educators can utilize to help children explore and appreciate the natural environment. This track is especially designed for teachers, youth leaders, or parents working with children between the ages of four and fourteen, but anyone may attend.

The session will offer step-by-step suggestions for using the outdoors as a teaching tool. First you will learn how to prepare yourself and your students for outdoor instruction. Then, we will go outside to try a variety of outdoor/environmental education activities. These activities relate to a wide range of subject areas including: math, language arts and science.

Join us for some practical ideas, useful handout materials, sharing, and a fun time!



Schedule: 8:30 a.m.-12 noon, held on the Silver Bay Campus.

Bring to Class: notebook and pencil, clipboard (if possible), comfortable field clothes.

Instructor: Dr. Herb Broda is Assistant Superintendent for Curriculum and Instruction for the Wayne County Public Schools in Wooster, Ohio. Herb received his Ph.D. from Kent State University, and has published articles and given presentations on outdoor education at both state and national levels. He recently completed work on two T.V. programs and a resource guide about outdoor education for public television.

## GEOLOGY AND CULTURAL HISTORY OF THE ADIRONDACKS

This Program Track combines geology with a trip to the Adirondack Museum in Blue Mountain Lake, New York.

Enroute to the museum, Dr. John Thomas will discuss the geological processes that shaped the Adirondacks. The route, which was determined by the structure of the rocks, begins by crossing over mountains to the Hudson River drainage basin, passing through the town of Graphite and its abandoned mines. Outstanding exposures of intensely metamorphosed rocks are found on the east side of Swede Mountain. Heading on to Blue Mountain Lake, one can see the evidence of ice age glaciers.

The Adirondack Museum, overlooking Blue Mountain Lake, is nationally acclaimed for its exhibitions on life, work and leisure in the Adirondacks from colonial times to the present day. The Museum is an ideal place for discovering the history, folklore and art of the Adirondack Park. Through the museum's 22 buildings, you can learn about mining, logging, Adirondack Guide Boats, blacksmithing, railroads, and more.

**Schedule:** 8:30 a.m.-4:00 p.m., travel time to the Museum is approximately 1 1/2 hours by chartered bus.

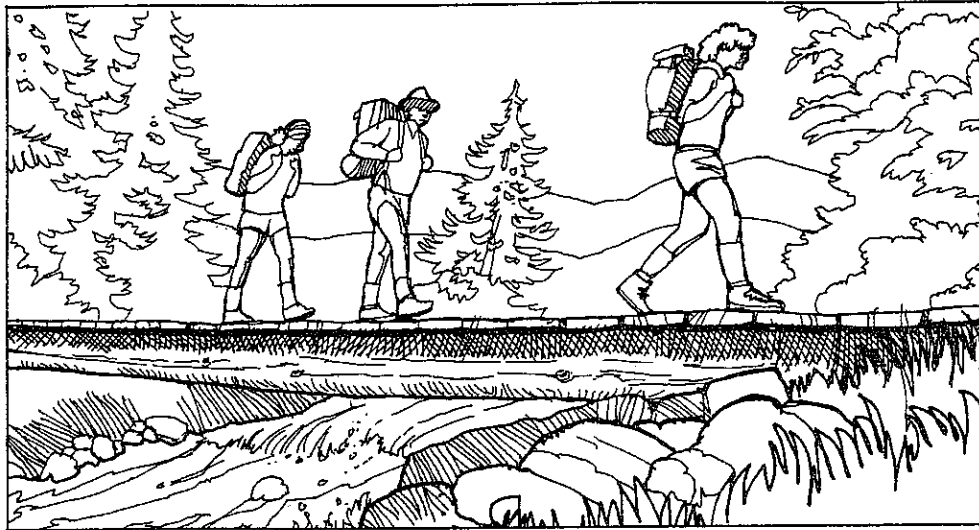
**Fees:** Entrance fee for the Museum is \$5.00 per adult, payable in cash as you board the bus.

**Bring to Class:** Camera, comfortable walking shoes, extra snack if you wish, box lunches will be provided.

**Instructor:** John Thomas is a Geology Professor at Skidmore College in Saratoga Springs, New York. For 18 years, he has done geological mapping in the Adirondacks. John's research, which has taken him all over the U.S. and Canada, has included environmental geology, igneous and metamorphic rocks, structural geology and regional geology of North America.

## HIKING THE ADIRONDACKS

Experience the pristine beauty of the Adirondacks through an all day nature hike. Guided by expert naturalists, you will have the opportunity to learn more about the natural history of this area. You'll also have a chance to apply your skills from other Summit courses, such as outdoor photography, birdwatching, and wildlife ecology. Two unique hikes of varying difficulty are available to choose from.



### Tongue Mountain Range To Five Mile Mountain

This hike offers a variety of forest types and rewarding vistas of Lake George and surrounding mountains. You'll hike through several forest zones as you climb this Adirondack peak. Near the summit, you can enjoy a taste of wild blueberries. Total hiking distance is 6.9 miles. The experienced hiker may find this trail somewhat easy, but it is well suited for the novice.

### Northwest Bay to Montcalm Point

This hike will proceed along an inlet to Lake George, then down the shore of Northwest Bay towards Montcalm Point. You can discover a variety of interesting plant and animal life along the way. The hike is relatively easy, with only one long gradual upgrade. The round trip distance is 9.6 miles, but will be adjusted to the pace and desires of the group.

**Schedule:** All day nature hikes; Tongue Mountain 8:30 a.m.-4:00 p.m., Northwest Bay 8:30 a.m.-3:00 p.m. Please note that volunteer drivers will be needed to carpool to the trailheads, riders are asked to share costs.

Bring to the Hike: Wear comfortable, sturdy hiking boots or shoes, one thick pair of socks and one liner. A water bottle is necessary. Rain gear, extra socks, sunglasses, sunscreen, a day pack and trail snack are highly recommended. Optional: camera, binoculars, handlens, and field guides. Bag lunches will be provided.

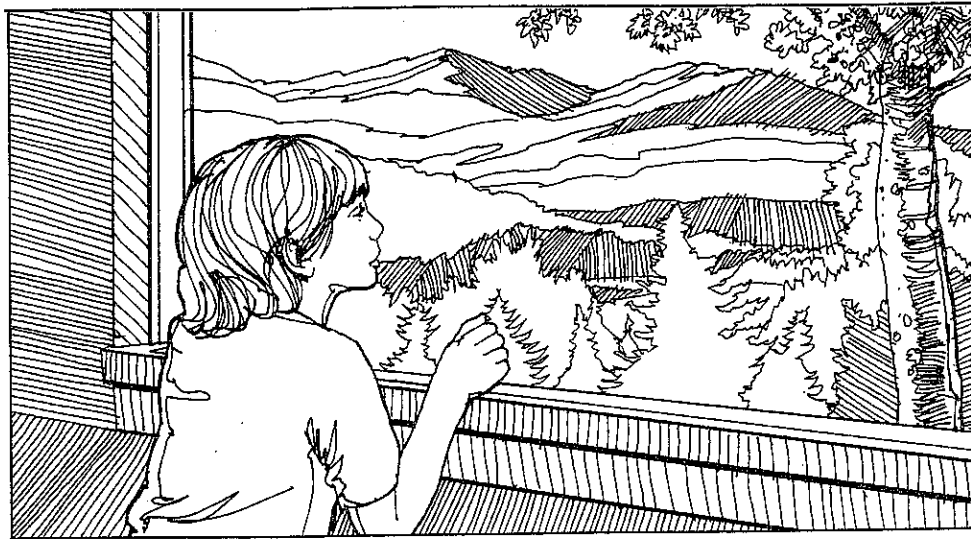
Instructors: Doug Fitzgerald is a Conservation Operations Supervisor for the New York State Department of Environmental Conservation. Previously, he taught forestry and forest recreation at Paul Smith's College. He has led nature hikes, camping trips and expeditions in many parts of the Adirondacks.

Ernest Hazard spent five summers as the staff naturalist at Silver Bay. He has led hikes and nature walks throughout the Adirondacks, the Green Mountains of Vermont, and the White Mountains of New Hampshire. Ernie is a native of Vermont, where he teaches high school Biology and Geology.

Earl Langdon teaches high school Biology and Earth Science, with 17 years of teaching in the Adirondacks. For the past several summers, he has led nature walks at several state camp sites, and acts as a consultant in outdoor education for school districts, county 4-H and scouting programs, and colleges.

Ted Mack is an avid hiker and canoeist. For 10 years, he has run two U.S. Fish and Wildlife Service breeding bird surveys. He was also involved with a month-long breeding bird survey near the Manitoba-Ontario border. Currently, he is the Head Librarian at Paul Smith's College in New York.

## INDOOR/OUTDOOR AWARENESS



This Program Track combines two classes that will alert you to, and make you more aware of, both natural and man-made environments.

The Outdoor Awareness section offers you a chance to heighten your perceptions of the endless variety and beauty of natural things all around you. Through a delightful and informative 90 minute walk, you will learn tips and techniques for attracting birds and looking for signs of wildlife. You'll become familiar with the use of handlenses, and acquire the skills needed to work with groups of people in the outdoors. You'll also have a chance to take a closer look at edible goodies, dandelions, patterns in growing things, and much more.

The Indoor Awareness section will focus on a growing concern for many of us, indoor air pollution and household toxic materials. Often these problems are created by our own dependence on chemical technology, along with our need for better insulated and tightly sealed homes. Through lecture and demonstration, you will gain an insight into where indoor pollutants come from and ways to help identify them. Did you know that the common spider plant can help to absorb several indoor air pollutants? Practical suggestions such as this will be given. We will also cover ways to dispose of harmful substances in an environmentally safe manner.

Schedule: 8:30 a.m.-12 noon.

Bring to Class: Notepad and pencil, binoculars or a handlens if you have them.

Instructors: Barbara Middleton, who teaches the Outdoor Awareness section, is a Forestry Education Project Leader with the College of Forestry, Oregon State University. She has a Bachelor's in Elementary Education and a Master's in Recreation and Parks. Barbara has extensive experience working with teachers, bringing natural resource programs into the classroom, and leading outdoor education programs. Barbara also teaches at the Rocky Mountain Summit, and enjoys singing and playing folk music.

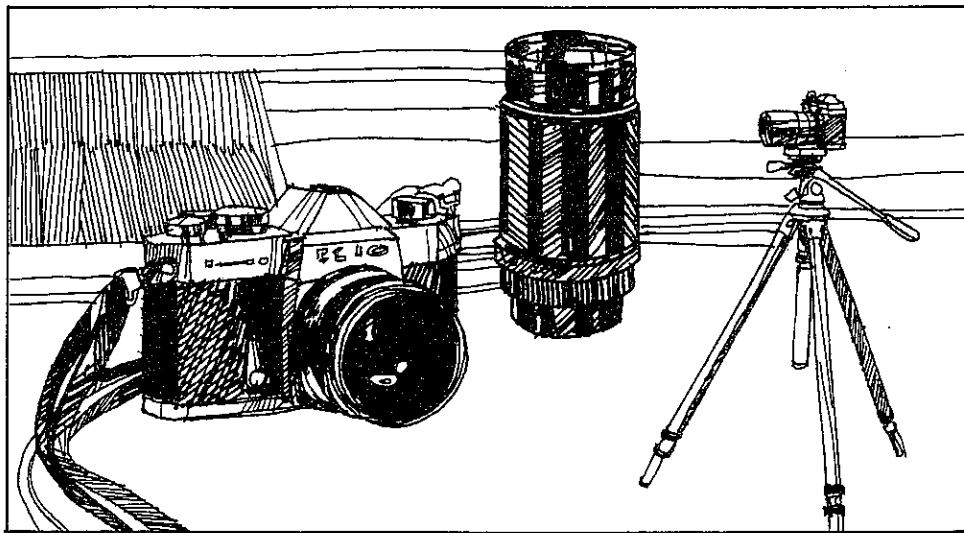
Willard Vaughan is the instructor for the Indoor Awareness section. He is an Environmental Engineer, with a special interest in household hazardous waste. He has worked as an engineer in the area of Industrial and Hazardous Waste for a number of years, and is currently the Industrial Field Operations Manager for Jefferson County in Louisville, Kentucky.

## OUTDOOR PHOTOGRAPHY

Lake George provides a beautiful backdrop for taking pictures and increasing your photography skills. This Program Track is divided into two different courses to meet every photographer's needs.

**The Basic Course** is for the beginning to intermediate photographer, with any kind of camera, who would like to take better pictures. You will learn basic camera techniques, film differences and hints for composing good photographs in the outdoors. Time will be provided to take pictures of the waterfront, along with helpful tips. An introduction and demonstration of professional camera equipment will also be given, including camera types, the zoom lens, and the 300 mm telephoto lens. You'll even have a chance to learn about the 4 x 5 view camera, the type used by Ansel Adams to photograph his famous landscapes.

**The Advanced Course** is for photographers who have a working knowledge of their own 35 mm SLR camera with interchangeable lenses and are interested in taking color slides. Through a slide show and lecture, you will gain a better understanding of color and composition as applied to nature and wildlife photography. How to best use your camera and lenses, film type, and angles of view will also be discussed. Included is a field trip to take pictures and meet with the instructor on specific problems.



Schedule: 8:30 a.m.-12:30 p.m., combined lecture and field work.

Bring to Class: Pencil and notepad, your camera, film and accessories.

Instructors: Carolyn Bates is the instructor for the Basic Course. She has been a free lance photographer for the past 30 years, with photos appearing in Yankee, Vermont Life, Sail, and the New York Times. Carolyn has taught at the University of Vermont, worked as a photojournalist and published three sailing calendars. Currently she is doing architectural photography using large format cameras.

The Advanced Photography course is taught by Jeff Clarke. After bicycling from Seattle to Boston in 1985, Jeff decided to settle in Burlington, Vermont where he opened his professional photography studio. In addition, he teaches a photography course at the State University of New York in Plattsburg. Jeff has had photos published in Adirondack Life, Vermont Life, and Appalachian Trailway News.

## PLANTS OF THE ADIRONDACKS

Flowers, fungi, and wild edibles are the focus of this Program Track, which highlights the diversity of plants found in upstate New York. Three different instructors will share their expertise with you, through discussions and leisurely walks on the Silver Bay grounds.

In the wildflower section, you will have the opportunity to learn some identification techniques, concentrating on flower parts and structure. Ruth Schottman, the instructor, will also cover wildflower folklore and the role of flowers in various animal-plant relationships.

Through a short slide presentation and an hour walk on the grounds, Mary Stankis will introduce you to the major groups of fungi. You will learn to identify many edible and poisonous forest mushrooms, and discover their often hidden roles in nature.

Rick Oltsch will share his enthusiasm for wild edibles with you in the third section of this Program Track. He'll introduce you to several wild edible species through a slide presentation, and offer pointers for identification, collection and preparation. Recipes will be available for the adventurous and some prepared delicacies for tasting. Approximately 30 minutes will be devoted to field identification and sampling.

Since wild edibles encompass a variety of fungi and wildflowers, there will be excellent opportunities to interrelate the flower, fungi, and wild edible sections.



Schedule: 8:30 a.m.-3:00 p.m., with an hour to an hour and a half break for lunch. This Program Track will be held on the Silver Bay Campus.

Bring to Class: Notepad and pencil, raingear and insect repellent. Optional: a 10x handlens, and field guides to fungi, wild edibles, or wildflowers. Recommended flower guides are: Newcomb's Wildflower Guide, by Lawrence Newcomb and A Field Guide to Wildflowers, by Peterson and McKenney.

Instructors: Rick Oltsch has been on the faculty for over ten Summits, and is well known for his evening entertainment playing the hammered dulcimer. He has taught environmental sciences and biology at both the high school and college level.

Born in Australia, Ruth Schottman came to the U.S. as an adolescent. She graduated from Cornell University with a major in genetics, and has spent the past 20 years teaching a variety of natural history courses for adults and children. Currently she teaches at the Schenectady Museum in New York and leads nature walks for The Nature Conservancy.

Mary Stankis is a doctoral candidate in the Department of Microbiology at the University of Vermont, where she is studying the genetics of higher fungi. She has led many amateur groups on field trips to study fungi, and is a veteran of the Adirondacks Summits. Mary is currently praying for a wet summer to bring out the incredible beauty and diversity of fungi for the week of the Summit.

## WILDLIFE ECOLOGY

Lectures, field trips, and hands-on activities will highlight this all-day Program Track focusing on Adirondack wildlife.

Topic areas that will be covered include ecology, wildlife management, and wildlife habitats. In addition, a discussion of the pressures placed on wildlife in the park from such activities as lumbering and recreation, will be offered.

The half-day field trip will take you to Jabe's Pond, or other nearby areas of outstanding natural beauty. On the way, you will have a chance to explore a variety of habitats, including a sphagnum wetland, and deciduous and coniferous forests. Special attractions that you might see are American Chestnut trees, a variety of reptiles and amphibians, and rare orchids such as the coralroot, fringed or rattlesnake plantain. Don't forget to bring your camera and binoculars along on this field trip.

Schedule: 8:30 a.m.-3:00 p.m., with an hour to an hour and a half break for lunch at Silver Bay.

Bring to Class: Notepad and pencil, binoculars and camera if you wish. Wear comfortable walking shoes and bring a jacket or long-sleeved shirt and raingear.

Instructors: Mark Brown is a Senior Wildlife Biologist with the New York State Department of Environmental Conservation. One of his main responsibilities is furbearer management and research. Mark, a native of the Adirondacks, received his degree in wildlife from the University of Vermont.

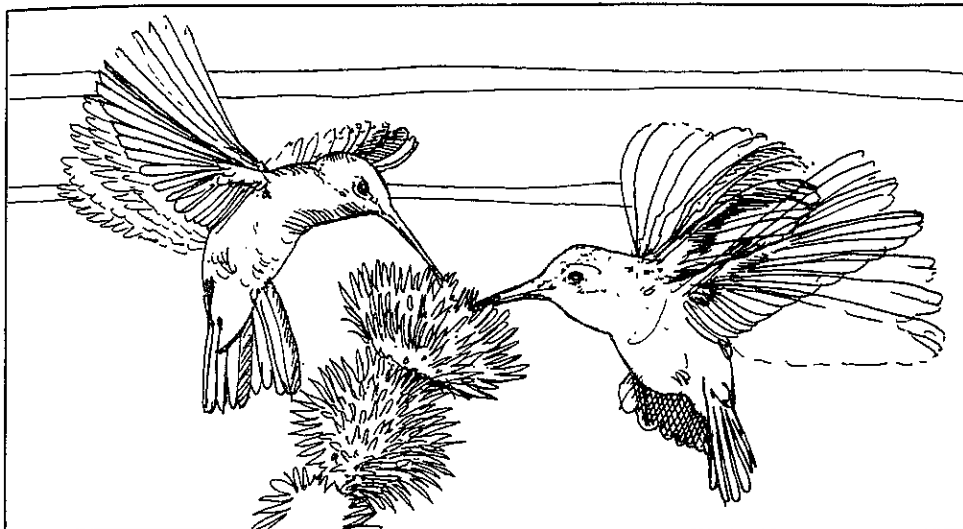
John Hickey is a Fish and Wildlife Biologist for the U.S. Fish and Wildlife Service in Cortland, New York. He has taught conservation and environmental field natural history courses at the college level, and is involved in education at all levels. John specializes in studies of the effects of contaminants on fish and wildlife.

David St. James has a degree in Wildlife Biology from the University of Massachusetts, where he studied various western Massachusetts bogs. He is currently working with the Massachusetts Division of Fisheries and Wildlife in Pittsfield, Massachusetts.

Charles Wilson taught in the Department of Biology for 31 years at the State University College in Cortland, New York. Chuck has taught Ornithology, Zoology, Natural History, and Photography. He specializes in the flora and fauna of the central region of the Adirondack Park.

# OPEN DAY CLASSES

## ATTRACTING BIRDS THROUGH PLANTINGS



Through this 90 minute class, you will learn what to plant in order to attract more birds to your backyard. We'll discuss the use of plants for food, protective cover and nest sites. In addition, the idea of hummingbird gardening will be introduced. Don't miss this chance to take a bird's eye view of backyard landscaping!

Schedule: 90 minute class.

Bring to Class: Notepad and pencil, sketch of your backyard if you wish.

Instructor: Toni Pepin currently works at the National Wildlife Federation as the coordinator of the Backyard Wildlife Habitat Program. Prior to that, she worked for six years as an interpretive naturalist at a nature center, specializing in urban wildlife management and natural history. Toni has a bachelor's and master's degree in Biology, as well as a certificate in Landscape Design.

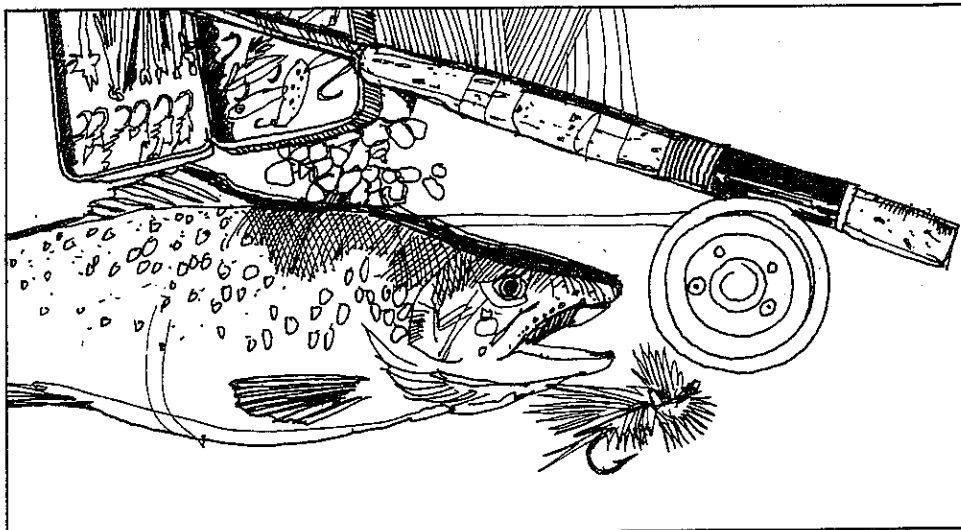
## FUNDAMENTALS OF FISHING

Fishing is one of the most relaxing, yet exciting sports in which both young and old can participate. In this half-day session, Ken Hunter will introduce you to the four basic types of equipment: spinning, spin-casting, fly casting and bait casting. Other topics include proper lure selection, knot tying, "reading" the water, and how to land and release your catch.

The remaining time will include actual demonstrations of the various types of equipment, with particular emphasis on fly casting. Time will be available for fishing from the lake shore. Most of the fishing at Lake George is for assorted panfish, such as rock bass, bluegills and smallmouth bass. The instructor will be available to help those who want assistance with their technique.

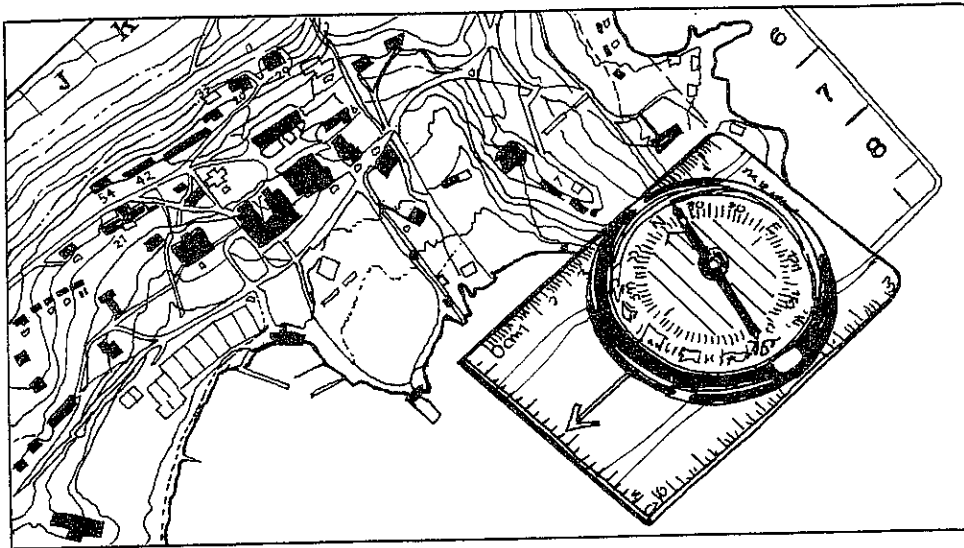
**Bring to Class:** Anyone planning to fish should bring their own equipment and purchase a New York state fishing license.

**Instructor:** Ken Hunter is a full-time wildlife artist/illustrator and outdoor writer. He specializes in painting underwater scenes, and as a certified SCUBA diver, has spent much time observing fish in their natural environments. He has been an avid fisherman for over twenty years, and is as comfortable with a heavy casting rod in his hands as he is with a delicate fly rod. His work has appeared in national publications such as Fly Fisherman Magazine, and on the covers of various state magazines and annuals. (Ken will be doing some scuba diving in Lake George during the Summit. Certified divers are welcome to join him, and should contact him for details at the Summit).



## ORIENTEERING

Orienteering, "the thinking sport", comes to the Adirondacks Summit from Sweden, where up to 23,000 participants age 9 to 90 have been known to take part in a single event. Orienteering is a hike (or jog) through forests or fields to locate "control markers" shown on a large scale, very accurate topographic map. The emphasis in this course is on what the map tells us, rather than on compass work. You will learn valuable map skills that can be utilized on hiking trips and other outdoor activities. Teachers and youth group leaders will find the Swedish based outdoor learning-by-doing skills progression a good example of how to introduce the sport to others. Lists of local orienteering clubs in the U.S. will be available. No particular level of physical fitness is required!

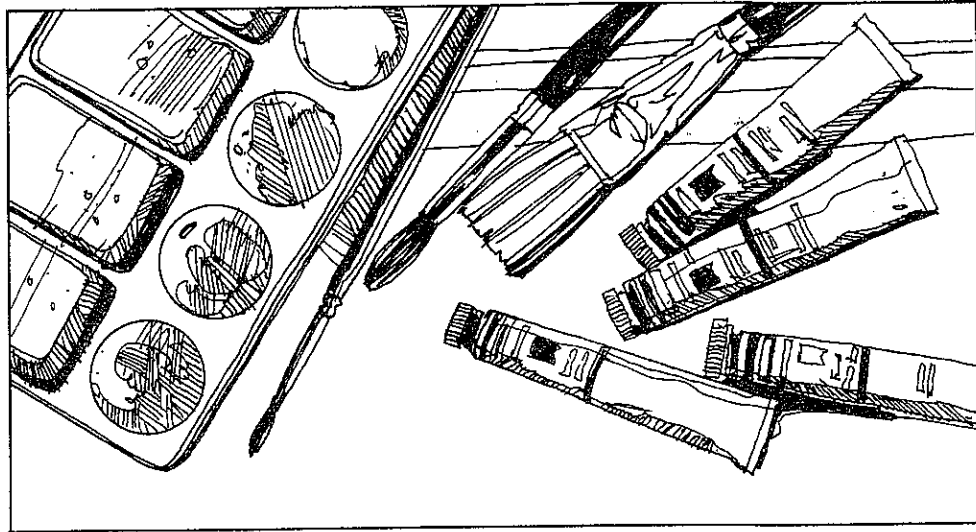


**Schedule:** 3 hour outdoor session.

**Bring to Class:** A compass (Silva-type recommended). Inclement weather gear if necessary, otherwise, normal hiking clothes and tennis shoes will be sufficient. Be prepared to be outdoors for 3 hours.

**Instructor:** Dave Linthicum is one of the top five orienteering cartographers and top 20 competitors in North America. Within the sport, he is equally well-known as a teacher, scout orienteering promoter, and researcher. He represented the U.S.A. at the 1984 Student World Orienteering Championships in Sweden. Dave currently works for the Defense Mapping Agency in Washington, D.C. He has taught orienteering at the Adirondacks, Nova Scotia and Maine Summits.

## WATERCOLORS



Discover the joys of watercolor painting! Artists at all levels are welcome to join in on a morning instructional session, led by Ruth Strickling and Claudia Bartlett. Everything you need to take home your own Silver Bay scene will be provided. Weather permitting, you will have the opportunity to paint outdoors.

Schedule: 9:00 a.m.-11:45 a.m. at the Watson Art Center on the Silver Bay Campus.

Fees: \$7.00 will get you started. Additional supplies can be purchased if desired.

Instructors: Ruth Strickling and Claudia Bartlett. Ruth has been the Art Director at Silver Bay for the past eight summers. She has over ten years experience teaching watercolor painting and also has experience in commercial art. Claudia assists with the watercolor classes at Silver Bay.

# **BABYSITTING AND CHILD CARE SERVICES**

NWF will provide a babysitting and child care service at the Summit. To register, please sign-up on opening day of the Summit, August 2, at Registration. Please indicate at this time the days and times that you think you might need this service. Daily registration will also be available from 8:00-8:15 a.m., and 1:00-1:15 p.m.

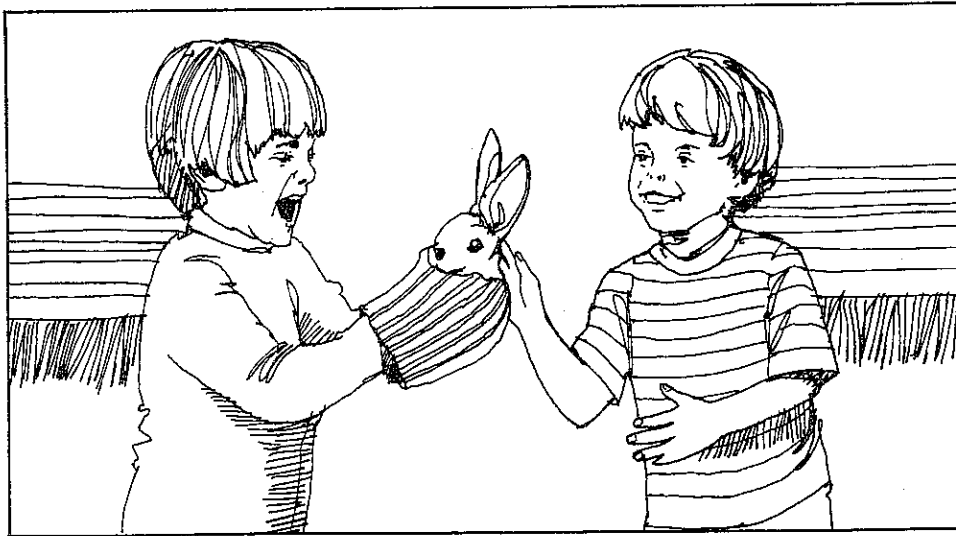
**HOURS:** Babysitting (infant to 3 years old): 8:00 a.m. to 12 noon, and 1:00-5:00 p.m.

Child Care (3 and 4 year olds): 1:00-5:00 p.m. NOTE: Your Big Backyard Preschool Program for 3 and 4 year olds is offered each day from 8:15 a.m. to 12 noon, Monday through Friday.

Babysitting and child care services are not available from 12 noon to 1:00 p.m.

**FEES:** Babysitting and child care fees are \$2.00/hour per child, payable to NWF at the time you register for the service. Payment may be made by personal check, cash, or travelers check.

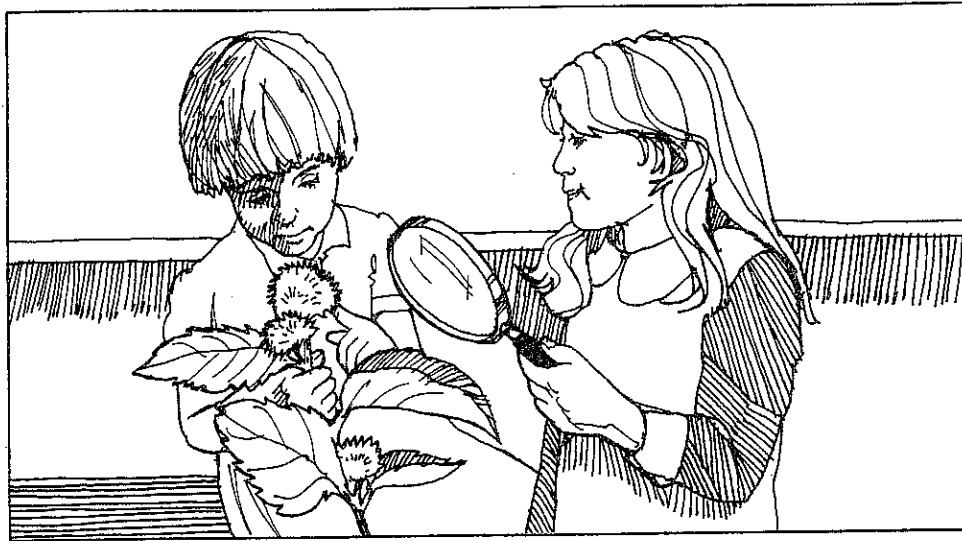
**SUPPLIES:** Please bring any supplies (diapers, bottles, snack, favorite toys), that your child will need during the time that she/he is being watched.



# YOUR BIG BACKYARD PRESCHOOL PROGRAM

This half-day program will help preschoolers explore and develop an appreciation for the natural world. The activities, such as micro-hikes, touch and feel expeditions, fun-with-nature crafts, dramatic play and creative cooking, are based on NWF's YOUR BIG BACKYARD magazine.

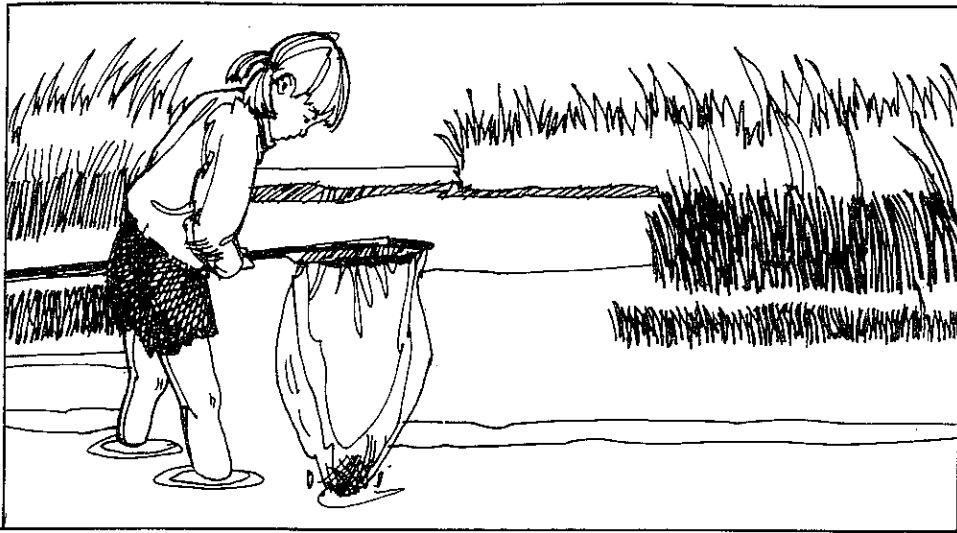
The week will offer 3 and 4 year olds a chance to discover nature through hands-on activities. Some of the topics children might explore are baby animals and their homes, insects, trees and flowers, mammals and birds.



**Schedule:** The Preschool Program will meet each day from 8:15 a.m. to 12 noon. Participants should check-in and register for the program on opening day of the Summit at Registration.

**Director:** Betty Minnaert, an experienced elementary school teacher, has additional skills as a teacher and assistant director of a preschool. She is currently teaching in the Newton Public Schools in Massachusetts. She is active in the out-of-doors as a hiker, canoeist, and camper, and spends much of her free time gathering information and photographing the natural world for use in her classroom.

# RANGER RICK YOUTH PROGRAM



While adults are attending their Summit classes, children ages 5 through 12 will be involved in a special program of their own. Youngsters are divided into small groups with children of their own or similar age. For each group, the knowledgeable and enthusiastic staff has activities and sessions planned to help them explore the natural world of the Adirondacks.

The program focuses on group dynamics and personal development through cooperative activities and non-competitive games. Topics will include food chains, wildlife habitats, trees, aquatic study, birds, and insects. In addition, these topics will be related to this year's National Wildlife Week theme, "We Care About Clean Air." Each day, children will be involved in nature study, songs, games, natural crafts, storytelling, and poetry or journal writing.

**Schedule:** Parents should register their children on opening day of the Summit at Registration. Their group assignments will be in the information packets they'll receive. Teachers will meet with parents and children briefly on Sunday, August 2 at 7:00 p.m. in the Auditorium.

The groups will gather at 8:15 a.m. each morning to begin the day's adventures. Activities will run from 8:15 a.m. to 12 noon, and 1:30-3:15 p.m. Youngsters will eat lunch with their parents. Parents who are on Summit field trips which extend through the lunch period or beyond 3:15 p.m., can arrange to have their children supervised during that time. Please notify the youth staff at registration if you need this service, and confirm it the morning that you will be on the field trip.

What to Bring: Day pack with: jacket, rain gear, extra socks, extra pair of sneakers, sunscreen/hat, insect repellent, water bottle or canteen. Also bring bathing suit, towel and plastic bag.

Older children may go to a bog and will need an extra pair of old shoes.

Please bring some clothing that you don't mind your child getting wet or dirty!

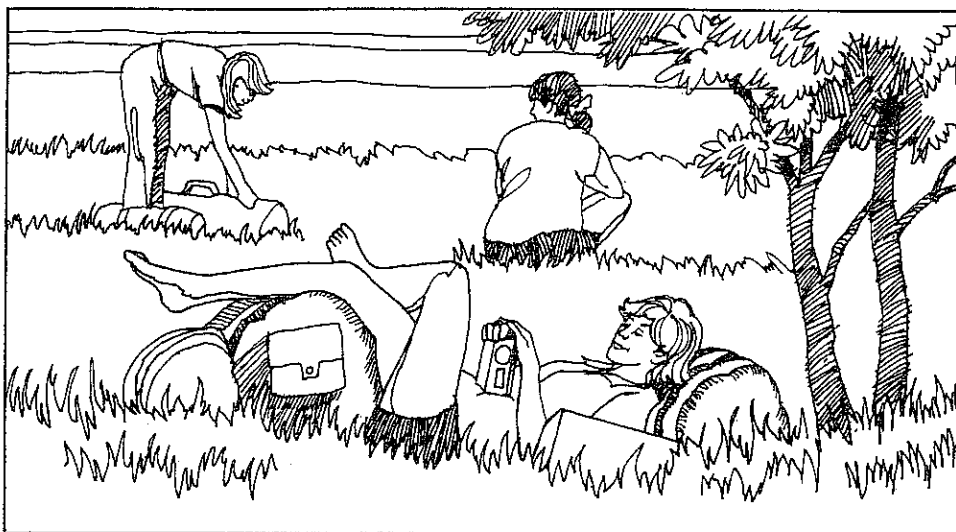
Co-Directors: Gwen Pratt and Gary Wilson will be co-directing the Youth Program. Gwen has a long association with the Summit program; having worked with the Youth Program in the Adirondacks, Banff, Nova Scotia and Rocky Mountains. She has experience as a public school teacher and park naturalist. She has created various experiential education programs, which she currently offers in the Colorado Springs area. Gary is currently teaching secondary level science in Hoosick Falls, New York. For the past two summers, he served as the Environmental Education Coordinator at Silver Bay. He has also served as co-director of the BOCES Outdoor Education Center in New York. Gary has a bachelor's degree in Forestry and a Master's in Biology Education.

Staff: The instructors for the Youth Program have been selected for their dedication and love for children, as well as their special interests in outdoor education and nature study. All of the instructors are experienced teachers and naturalists, with knowledge of the Adirondacks flora and fauna. The staff for the Youth Program this year includes Lisa Bryce, Fred Gager, Mary Kay Hickey, Paul Johnston, Leslie Krebs, Becky Long, Al Lookofsky, Mary Mascher, David O'Donnell, Pam Pratt, and Chris Rohret.

# TEEN ADVENTURE PROGRAM

Outdoor adventure is coupled with environmental exploration in this action filled program for 13 to 17 year olds. A backpacking overnight in the back country of the Adirondack Park, flatwater canoeing, ropes course work, day hikes, group problem-solving activities, and ecological studies are all part of the program. Teens have the opportunity to develop their outdoor living skills as well as gain a better understanding of the surrounding natural environment of the Lake George area.

**Schedule:** Teens will register on the first day of the Summit. The program will meet daily from 8:30 a.m. to 3:00 p.m., except for the third day of the program which is devoted to a backpack overnight experience. There will also be an early evening canoe instruction session.



**What to Bring:** The following items are suggested for the week; those items that are starred are highly recommended for each participant. If you do not have some of the equipment, it may be borrowed from a friend or rented prior to the Summit. Please indicate on your Teen Adventure Program Registration Form any equipment that you will not have access to.

## DAILY

\*daypack  
swim suit  
towel  
\*rain gear  
pen/pencil

\*1 qt. water bottle  
or canteen  
camera  
suntan lotion  
sneakers

FOR THE OVERNIGHT

*backpack with a frame and a hip belt	*wool sweater or shirt
*sleeping bag	light gloves
ground pad	long pants
*mess kit, bowl, cup, spoon	shorts
flashlight	T-shirts
pocket knife	2 pr. socks
2- or 3- person tent	*hat
*hiking boots	*wool socks

OPTIONAL:

musical instrument  
binoculars  
field guides

NOTE: All hiking boots should be well broken-in and comfortable.

Director: Mark Fitzpatrick is currently managing the Outdoor Section for the Frederick County Parks and Recreation Department in Winchester, Virginia. He is a native of Michigan, where he previously worked with two outdoor education centers. He has been involved with the NWF's youth programs in North Carolina for the past three summers serving as both instructor and program coordinator.

Staff: The Teen Adventure Program staff are professionals and students in the fields of resource management and outdoor environmental education. They all have experience working with young people in outdoor adventure settings and will bring unique skills and diverse abilities to the program. The staff includes Steve Linskins, Lauri Schnieder, John Thiele and Elma Tuamisalo.

## THE NATIONAL WILDLIFE FEDERATION CREED


I pledge myself, as a responsible human, to assume my share of the stewardship of our national resources.

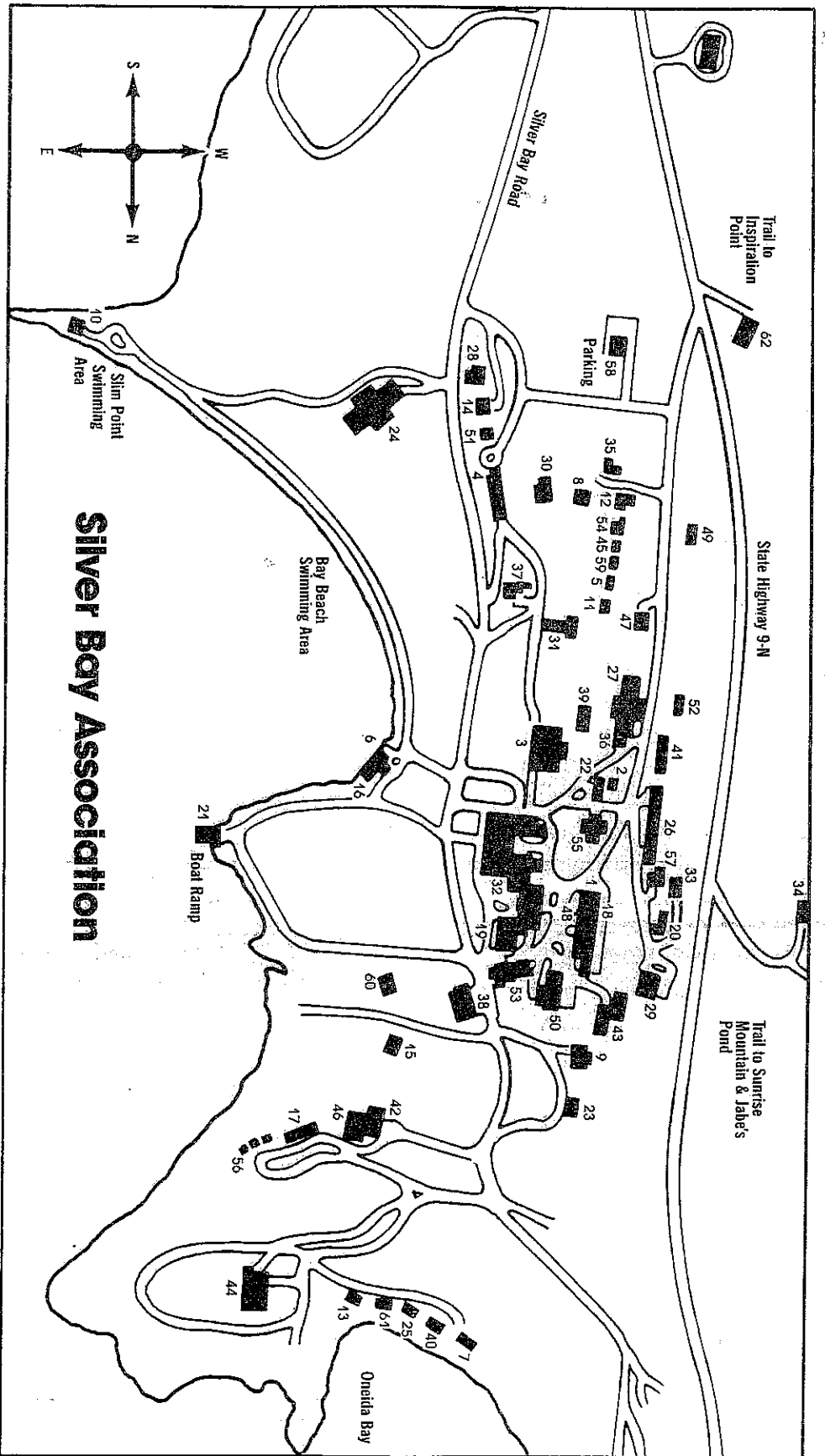
I will use my share with gratitude without greed or waste.

I will respect the rights of others and abide by the law.

I will support the sound management of the resources we use, the restoration of the resources we have despoiled, and the safe-keeping of significant resources for posterity.

I will never forget that life and beauty, wealth and progress, depend on how wisely we use these gifts . . . the soil, the water, the air, the minerals, the plant life, and the wildlife.





# Silver Bay Association

- 1 ADMINISTRATION BLDG.
- 2 ASH
- 3 AUDITORIUM
- 4 BAYVIEW LODGE
- 5 BIRCH
- 6 BOATHOUSE
- 7 BOLZ
- 8 BRIGHAMWOOD
- 9 BROOKSIDE
- 10 BROOKS PAVILION
- 11 BUTTERNUT
- 12 CEDAR
- 13 CHARTER OAK

- 14 CHERRY
- 15 CHILDREN'S PAVILION
- 16 COLLINS EQUIP. CTR.
- 17 COOP
- 18 CRAFT SHOP
- 19 DINING ROOM
- 20 ELV
- 21 THE E.R.C.
- 22 FIELD MEMORIAL
- 23 GLENVIEW
- 24 GYMNASIUM
- 25 HARTFORD
- 26 HENLOCK

- 27 HERRON HALL
- 28 HICKORY
- 29 HILLCREST
- 30 HILTOP
- 31 HUGHES CHAPEL
- 32 INN
- 33 JUNIPER
- 34 LAKEVIEW
- 35 LAUREL
- 36 LOCUST
- 37 MAPLE
- 38 MORSE HALL
- 39 MUNN

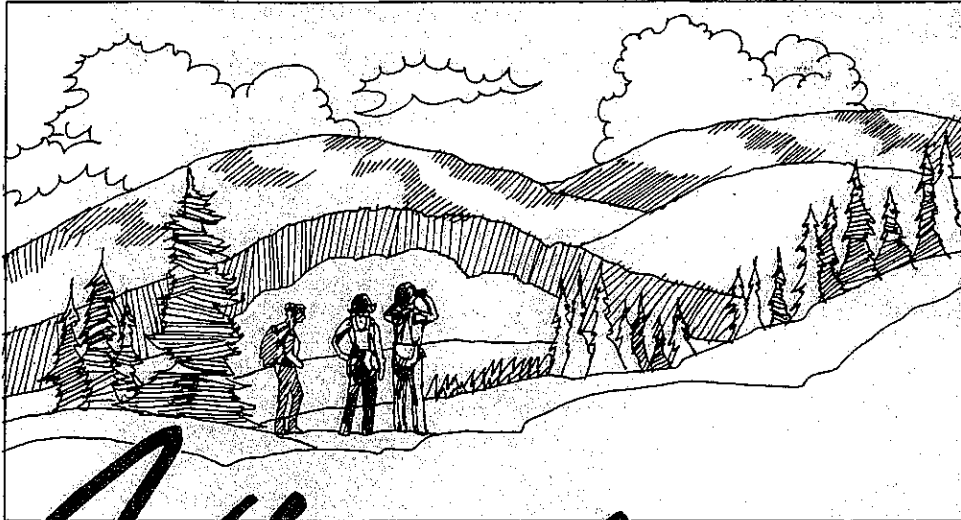
- 40 NASSAU
- 41 OVERLOOK
- 42 PAINE HALL
- 43 PARRIN
- 44 PENFIELD
- 45 PINE
- 46 ROTUNDA
- 47 SEE MEMORIAL LIBRARY
- 48 SERVICE BLDG.
- 49 SILVER
- 50 SPENGLER
- 51 SPRUCE
- 52 STONEHOUSE

- 53 STORE
- 54 SUMMIT
- 55 SUNNYSIDE
- 56 SUNRISE CABINS
- 57 STANVOIRE
- 58 VEHICLE MAINT. BLDG.
- 59 WALNUT
- 60 WATSON ARTS CTR.
- 61 WILLOW
- 62 WOODSIDE



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**NATIONAL WILDLIFE FEDERATION**  
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# CONSERVATION SUMMITS<sup>®</sup>



# Adirondacks

## AFTERNOON & EVENING PROGRAM SCHEDULE 1987



NATIONAL WILDLIFE FEDERATION

## OPENING DAY SCHEDULE, SUNDAY, AUGUST 2

2:00-5:30 p.m. Registration  
Silver Bay Inn

5:30-6:30 p.m. Dinner  
Silver Bay Cafeteria

8:00 p.m.

### OPENING PROGRAM

Auditorium

Join us for the official opening of the 1987 Adirondacks Conservation Summit. You'll have a chance to meet this year's program faculty and staff. In addition, you'll have a special opportunity to meet Leonard Green, the Chairman of the National Wildlife Federation. Lennie will be presenting a program on the Federation's major conservation issues and challenges for the coming year. Don't miss this exciting opportunity to meet our distinguished Summit faculty!

## MONDAY, AUGUST 3

3:30 p.m.

BEGINNING BIRDWATCHING TIPS AND TECHNIQUES Bay View Lounge

Join naturalists David Middleton and Art Gingert for this informative hands-on session for basic birdwatching tips. They'll cover selecting and using binoculars, field guides, and spotting scopes. They also cover ways to attract and look for birds, and ways to quickly identify them in the field through identification tips, songs, and flight patterns. You'll even have a chance to become familiar with some of the common birds of the Adirondacks through a short slide presentation.

3:30 p.m.

READING ANIMAL SIGNS

Morse Hall

This delightful slide presentation and discussion will introduce you to the mysterious world of reading wildlife signs. Angie Berchelli, the Federation's Regional Executive for New York, New Jersey and Pennsylvania, will highlight how to interpret animal tracks, scat, fur, and other unusual wildlife clues. Don't miss this opportunity to become more aware of what's living right around you.

4:00 p.m.

**SNAKES!! FACT AND FOLKLORE**

Field Memorial Building

Carlton Burke will lead you into the fascinating world of snakes as he discusses their habits, and the myths and rumors that surround them. This program will help you to gain a better understanding of these often maligned and unappreciated creatures, and will provide an opportunity for you to take a first-hand look at some of Carlton's "special" guests.

7:00 p.m.

**THE OLD-GROWTH FORESTS OF THE PACIFIC NORTHWEST**

Morse Hall

Magnificent forests of towering Douglas firs and western hemlocks grow in the Pacific Northwest. These forests have spanned many human generations and are the result of storms, fire, disease, and even human influence. Their presence in two of the most productive logging states in the country, Oregon and Washington, has created arguments over their future and the future of the timber industry. What are old-growth forests and why are they so controversial?

Barbara Middleton will present a slide/tape program produced to explain the different perspectives involved in the old-growth dispute. The nature of controversial issues and their place in the classroom will also be explored.

7:45 p.m.

**SQUARE DANCE**

Volleyball Court

Wind up your first day of Summit fun with our annual square dance. Callers, Stan and Cathie Burdick, promise to lead a night of "downhome" square dancing -- Adirondack style. Whether you come to kick up your heels, or to get better acquainted with fellow Summiteers, this is a program the whole family is sure to enjoy.

TUESDAY, AUGUST 4

3:30 p.m.

**READING ANIMAL SIGNS**

Morse Hall

See Monday's schedule

4:00 p.m.

A DIFFERENT KIND OF DULCIMER

Silver Bay Inn, Front Porch

Explore the sounds of the fascinating 81-string hammered dulcimer with Rick Oltsch. Rick will give you an introduction to this instrument, show you some playing techniques, and then offer a short performance. Plenty of time will be allowed for questions, as well as listening to the melodic sounds of the dulcimer.

8:00 p.m.

A NATURAL HISTORY OF THE ADIRONDACK PARK

Auditorium

Mike Storey, of the Adirondack Park Agency, will present an outstanding slide show depicting the park's most interesting and beautiful species of flora and fauna. He'll start at the beginning, discussing the geological foundation of the Adirondacks, and then move on to highlight how plant and animal communities have evolved and adapted over time. He'll also take a glimpse at what the future of this region might be. Join us to gain a fuller understanding of all that this exceptional area has to offer.

WEDNESDAY, AUGUST 5

3:30 p.m.

BUTTERFLY GARDENING

Bayview Lounge

Gracefully flitting from one flower to the next, butterflies bring vivid color and animation to an ordinary garden. Today, Toni Pepin will introduce you to the art and pleasures of butterfly gardening. Attracting butterflies to your yard can be as simple as letting a few dandelions and nettles go, or as complex as a complete horticultural program. By providing a little food and shelter in your plantings, you, too, can lure these beautiful creatures to your garden or yard.

3:30 p.m.

NATURE ART

Silver Bay Inn, Front Porch

During this participatory outdoor session, artist Ken Hunter will demonstrate how to sketch trees, fields, water and wildlife. This class will be beneficial to both the beginner and the more advanced student. Those wishing to participate should bring a drawing pad (any size) and a few drawing pencils.

4:00 p.m.

**NATIVE AMERICAN TECHNOLOGIES**

Front steps of the Gymnasium

People have prospered on this planet for hundreds of thousands of years without the assistance of computers, cars or metal tools. Come explore with Al Lookofsky the knowledge and techniques used by the earliest inhabitants of the Adirondacks to turn rocks into tools and weeds into houses. Technologies of flintknapping, cordage making, and simple tool construction will be demonstrated. Participants will be encouraged to use these tools and techniques (such as the atlatl and spear), as time permits.

8:00 p.m.

**A LITTLE FOLK MUSIC**

Auditorium

Gather 'round for an enjoyable evening of songs, good company and a few tall tales. With guitars and an autoharp, Barbara and David Middleton and Art Gingert will lead you through some of their favorite folk songs. Top off your busy day with a bit of relaxing, good old-fashioned fun.

THURSDAY, AUGUST 6

3:30 p.m.

**BUTTERFLY GARDENING**

Bayview Lounge

See Wednesday's schedule.

3:30 p.m.

**HELPING CHILDREN TO HOPE IN A NUCLEAR WORLD**

Morse Hall

Join Dr. Ted Conna for a probing discussion and video on how our children deal with living in a nuclear age. The 25-minute video interviews 27 children between the ages of 6-17, of different races and backgrounds. Following the tape, Dr. Conna will discuss the differences between Soviet and U.S. children's viewpoints, and share some ideas on how to help your child understand and deal with nuclear issues.

8:00 p.m.

**ECOLOGY OF THE ADIRONDACKS HIGH COUNTRY**

Auditorium

Did you know that there are 46 high peaks in the Adirondacks, and 10 of them have an alpine zone? Join Dr. Edwin Ketchledge to find out more about the fascinating ecology of these high peaks. Through a beautiful slide presentation, he'll discuss the unique plants and wildlife that survive on these summits, as well as some of the research currently under investigation. Dr. Ketchledge is a distinguished teacher, Professor Emeritus for the State University of New York at Syracuse in the College of Environmental Science and Forestry.

FRIDAY, AUGUST 7

3:30 p.m.

**BEYOND RANGER RICK**

Silver Bay Inn  
Gullen Lounge

Wondering what to do with your children on a nice summer day? Come take part in a session packed full of sensory activities and techniques that will enable you to discover some of nature's wonders with children. Dr. Herb Broda will have a wide range of surprises designed to stretch your senses to the fullest. Children welcome!

8:00 p.m.

**CLOSING PROGRAM**

Auditorium

Don't miss the Summit week's closing program! We'll have skits and presentations from various faculty, as well as several special guests. Featured will be the Walkabout Chorus, accompanied by Pete Seeger. Help us celebrate a truly great week of fun, learning and sharing in the Adirondacks.