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**NETWORK FOR
ENVIRONMENTAL
SCIENCE
EDUCATION IN
SOUTHEASTERN
MASSACHUSETTS**

1991-1992

A Resource Book for Educators



PURPOSE OF THIS BOOKLET

This booklet is designed as a resource for educators. It lists the 1991-92 members of the Network for Environmental Science Education in Southeastern Massachusetts and provides basic information about their goals and programs. The booklet may be of help to teachers and group-leaders who are planning environmental field trips or seeking specific information.

A complete listing of member organizations of the Network and a map showing their locations in southeastern Massachusetts is located in the centerfold of this booklet. More detailed descriptions are given, in alphabetical order, on the accompanying pages. The name of one contact person for each organization is also provided.

THE NETWORK FOR ENVIRONMENTAL SCIENCE EDUCATION IN SOUTHEASTERN MASSACHUSETTS

PURPOSE:

"To educate the people of southeastern Massachusetts in the natural sciences through collaboration among the non-profit environmental education institutions of the region."

GOALS:

1. To encourage participation and communication among members and to avoid overlap or conflict
2. To broaden the impact of member organizations to a wider audience
3. To enhance the professional skills and knowledge of our members
4. To share the resources of all member organizations
5. To promote joint educational programming for teachers and/or the general public
6. To pursue grants and other sources of income
7. To investigate other areas for collaboration, such as personnel benefits and shared facilities
8. To coordinate our efforts with similar professional organizations, from local to global in scope
9. To coordinate advocacy on public issues relevant to the Network's purpose

CRITERIA FOR MEMBERSHIP:

1. Members must be non-profit organizations or government agencies, one of whose primary purposes is environmental education,
2. Their work must be primarily in southeastern Massachusetts, and
3. They must be willing to contribute to the work of the Network, host meetings if facilities permit, attend meetings regularly, and pay dues as required.
4. Special consideration will be given to applicants for membership who do not meet all the above criteria.

1. **CAPE COD AQUARIUM**
281 Main Street, Route 6A
Brewster, MA 02631
(508)385-9252
Eileen Sonnenberg, Education Coordinator



Brief Description of Organization: The newly formed Atlantic Education Center-Cape Cod Aquarium is a non-profit organization dedicated to marine education. Its parent organization, the Underwater Education Program, has been conducting educational programs for all ages in marine science since 1981. The Aquarium setting provides a unique learning experience accompanied by live fish and marine mammals. Education programs are available by reservation only.

Special Programs: Some of the more popular programs include Exploring the World of the Dolphin, Exploring the World of the Seal, Marine Collecting and Identification, Salt Marsh Sensitivity Walk, and Internship Program.

2. **CAPE COD COOPERATIVE EXTENSION**
Deeds and Probate Building
Railroad Avenue
Barnstable, MA 02630
(508)362-2511, ext. 585
William F. Clark, Manager



Brief Description of Organization: (1) Cape Cod Cooperative Extension is an educational organization administered by the U.S. Department of Agriculture - University of Massachusetts at Amherst and Barnstable County. The Cooperative Extension is a local arm of the University with staff and specialists working in the areas of Home Economics and Family Living, 4-H, Food Production and Marketing, and Marine Resources. (2) The 4-H mobile Marine Museum on Wheels (*Beachcomber*), is a unique traveling educational exhibit that brings living animals and plants right into classrooms of schools, libraries, and other locations. Visitors will gain an appreciation for the frailty of our surrounding environment.

Special Programs: Marine Science: Marine Museum on Wheels; contact Cape Cod Cooperative Extension regarding scheduling and fees.

3. CAPE COD ENVIRONMENTAL EDUCATION RESOURCE CENTER

Library

Cape Cod Community College
West Barnstable, MA 02668
(508)362-2131, ext. 363
Prof. Brenda J. Boley, Chairman



Brief Description of Organization: The Cape Cod Environmental Education Resource Center is a public-service organization operating under the umbrella of the Cape Cod Community College. The purpose of the Center, in collaboration with the college library, is to collect, catalogue, and prepare informational materials pertaining to environmental matters which are appropriate to the education of Cape Codders. To the extent that resources permit, the Center disseminates materials upon request. The work of the Center is carried out by a Steering Committee of approximately ten volunteers, many of whom are teachers.

Special Programs: The Center has produced a Groundwater Resource Guide, the first in a series of resource guides for educators. It contains background information for teachers, classroom activity ideas, references, and a glossary. Other resource guides are being developed. The Center's annual meeting highlights people and events in environmental education on Cape Cod. It is free and open to the public.

4. CAPE COD MUSEUM OF NATURAL HISTORY

PO Box 1710
Route 6A
Brewster, MA 02631
(508)896-3867
Susan Lindquist, Director



Brief Description of Organization: The Museum is a center for discovery, study and protection of the natural world which uses the environment of Cape Cod as its central focus. Its offerings include: 1) permanent and changing natural history exhibits; 2) monthly art-in-nature exhibits; 3) an in-school program; 4) lectures and field trips for school groups throughout New England; 5) year-round classes, workshops, lectures, films and other special activities for people of all ages; 6) a natural history resource center for educators; 7) a coordination center for Cape Cod archaeological information; 8) on-going research projects; 9) a natural history lending library; and 10) a nature-oriented gift and book shop. The Museum produces newsletters for educators and provides its members with six issues of "High Tidings" and also "The Cape Naturalist" each year. It also publishes leaflets, pamphlets, and books that address natural history topics. The Museum is open year-round.

Special Programs: The Museum has developed a variety of classroom programs, field trips, film and lecture presentations, curriculum materials, and in-service series of oceanology cruises and natural history trips, including day and overnight trips to Monomoy Island. Off-Cape groups using the Museum's educational resources often stay at the Cape Cod Sea Camps in Brewster, (508)896-3451.

5. **CAPE OUTDOOR DISCOVERY**
47 Old County Road
East Sandwich, MA 02537
(508)833-2090
(508)888-4741
Don Dyer, Director



Brief Description of Organization: Cape Outdoor Discovery is a non-profit educational organization dedicated to increasing environmental awareness by providing people with a positive experience in the natural environment. Residential programs (two and one-half to five days long) are available to school groups and other organizations. Programs can be adapted for mentally or physically challenged persons.

Special Programs: The resident program runs from April to June and September to October at Camp Hayward/South Shore YMCA in Sandwich. With over 400 acres of land, this site features two ponds, meadows, diverse forests, and a group challenge course. Off-site trips include coastal ecology, Sandwich history, and whale watching.

6. **CENTER FOR COASTAL STUDIES**
59 Commercial Street, PO Box 1036
Provincetown, MA 02657
(508)487-3622
David DeKing, Director



Brief Description of Organization: The Center is a non-profit research, conservation, and educational institution specializing in an interdisciplinary approach to marine investigations of endangered species and threatened habitats. Located on the tip of Cape Cod in the midst of a variety of ecosystems, the Center is in an excellent position for field study of this nature. The Center is currently heavily committed to whale research, habitat ecology, and conservation around the world, with Center scientists serving as advisors to foreign governments and conservation groups.

Special Programs: Guided natural history walks, marine mammal slide shows and lectures. Annual Trash Fish Banquet. Staff serve as naturalists on Dolphin Fleet whale watches out of Provincetown. Small coastal science library containing journals, maps, government reports, large selection of marine mammal research information. Please contact the Center regarding programs, schedules, and fees.

**7. CENTER FOR THE RESTORATION OF WATERS
OCEAN ARKS INTERNATIONAL**

**One Locust Street
Falmouth, MA 02540
(508)540-0609
Patrick Ryan, Director of Education**

Brief Description of Organization: The Center for the Restoration of Waters at Ocean Arks International (OAI) is a not-for-profit global center for water awareness and action. Founded by Dr. John Todd to extend the reach of OAI and respond to the critical need for water advocacy and management, the Center's work revolves around a central theme: the use of ecological knowledge to solve the problems of water pollution and toxic waste disposal. Its mission is to train a generation of water stewards, embark upon the restoration of damaged aquatic environments, develop new techniques for wastewater treatment, and communicate its findings broadly.

Special Programs: The Center is in the process of developing curricula and courses for officials, the general public, and secondary through post graduate students. Some materials for teachers are available, with others (including videotapes) in process at the time of this writing. Field trips to the facilities, including a Solar Aquatics boat-waste treatment plant and a pond remediation project, can be arranged. Staff may be available for lectures, slide shows and consultation for a small fee.

8. CHILDREN'S MUSEUM IN DARTMOUTH

**276 Gulf Road
South Dartmouth, MA 02748
(508)993-3361**



Susanna Hapgood, Curator and Program Director

Brief Description of Organization: The Museum is a private non-profit educational institution. Its goal of stimulating in children an interest in the natural sciences, arts, and human relations is achieved through hands-on exhibits, activities on 60 acres of land, and a wide variety of educational programs and special events. Museum exhibits include Live Animals, Vegetable Garden, "Lego" area, Race Car, Sailboat, Space Ship, Market Place, Tidal Pool Touch Tank, Nursery, Aqua-Reefic, Medieval Puppet Theater and Dress-up Room. New exhibits are added periodically. A picnic area and free parking lot are available.

Special Programs: Natural history and science programs for visiting school groups, indoors and outdoors; courses and workshops for children and adults; badge workshops for scouts; lectures, field trips and interpretive walks for the general public.

9. **THE COMPACT OF CAPE COD CONSERVATION TRUSTS**

**3179 Main Street, PO Box 7
Barnstable, MA 02630
(508)362-9131
Mark H. Robinson, Executive Director**



Brief Description of Organization: Founded in 1986, The Compact is a regional non-profit organization that provides technical assistance and administrative support to towns and local conservation land trusts in Barnstable County. The Compact acts as a service bureau with expertise in land acquisition and management, fund raising, tax requirements, research, public education, and cooperation with local government on conservation projects. Through its 15 member trusts, over 1,100 acres of conservation land are protected by The Compact. The compact represents land trusts in all 15 Cape Cod towns.

Special Programs: Lectures and publications on acquisition and management of conservation land; inventory mapping of all protected open space on Cape Cod; advice to landowners on conserving property; walks on trust-owned property.

10. **4-H FARLEY OUTDOOR EDUCATION CENTER**

**PO Box 97
Forestdale, MA 02644
(508)477-0181
Michael Campbell, Executive Director**



Brief Description of Organization: The Farley Center, founded in 1934 and formerly known as 4-H Camp Farley, is a private non-profit organization representing four southeastern Massachusetts counties and operated in conjunction with the University of Massachusetts Cooperative Extension. Bordering Mashpee-Wakeby Lake, the 32-acre site is equipped with 18 unheated cabins (can house 120), a large dining hall and kitchen, auditorium, recreation field, mini-farm and garden, woodworking shop, arts and crafts studio, classroom, waterfront facilities, and administrative buildings.

Special Programs: 4-H Farley offers a seven week residential and day camp program focused on environmental science, the arts, animals and agriculture, and recreation and youth development. In addition, Farley provides outdoor adventure and environmental programs during the spring and fall. Farley's facilities are also available to visiting schools and educational groups for overnight and day use during the spring and fall.

11. LLOYD CENTER FOR ENVIRONMENTAL STUDIES

PO Box 7037

South Dartmouth, MA 02748

(508)990-0505

Martha Peterson, Education Coordinator



Brief Description of Organization: A private, not-for-profit research and educational institution with programs focused on coastal and estuarine issues. The education program is based in a unique facility on 55 acres overlooking Buzzards Bay. Research efforts are designed to provide baseline information and to develop management plans for the coastal area.

Special Programs: Mini-courses; teacher workshops; scout programs; cooperative education programs with museums, science centers and universities; public and private school programs; weekly interpretive walks; lecture series; seal watches; canoe trips. Resource library of natural history subjects with special emphasis on coastal topics; includes vertical file of subject area materials, periodical collection, and lending library for members, teacher and students. Library open Tuesday through Sunday, 9:00 a.m. to 5:00 p.m. Grounds and trails open dawn to dusk 365 days a year.

12. MANOMET BIRD OBSERVATORY

PO Box 936

Manomet, MA 02345

(508)224-6521

Janis Albright-Burton, Director of Education



Brief Description of Organization: Manomet Bird Observatory is a non-profit organization dedicated to educational programs and long-term environmental biology research. Most of the work focuses on birds, marine mammals, and habitat studies.

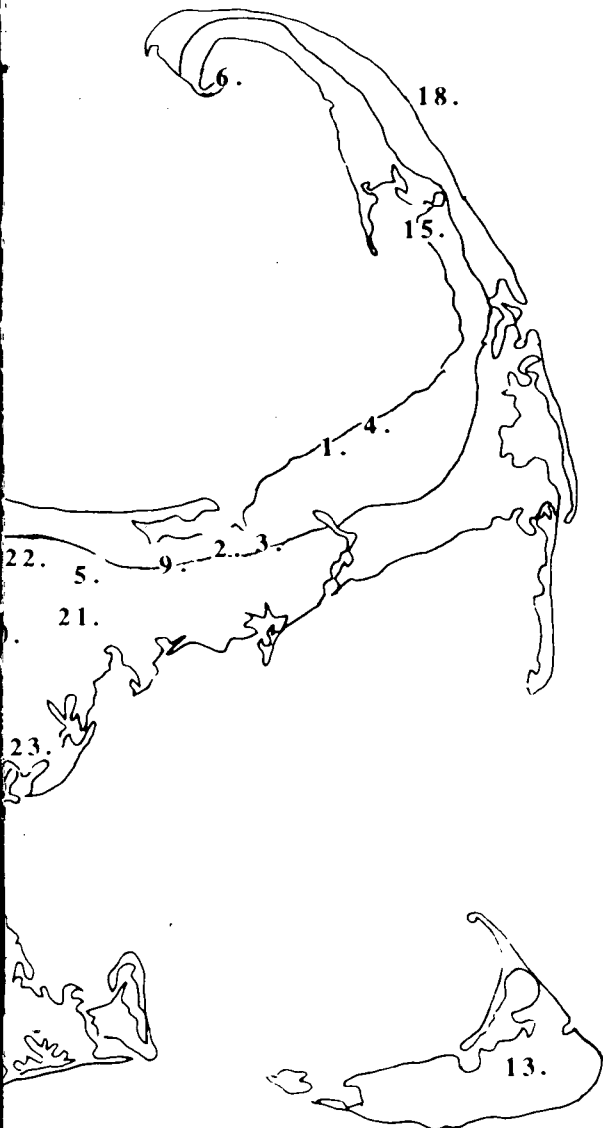
Special Programs: Bird Banding, Demonstrations, Birds-Go-To-School, Tropical Ecology, seasonal lecture series, Fin and Flippers (children's marine mammal program), Planting for Wildlife, adult courses and summer Ecology Camp. Services include teacher training, curriculum development, and education consulting. Contact MBO (M-F, 9-4:30) for information about curriculum materials, teacher workshops, and other programs.

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Eileen Sonnenberg, Education Coordinator
- 2 CAPE COD COOPERATIVE EXTENSION**
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William F. Clark, Manager
- 3 CAPE COD ENVIRONMENTAL EDUCATION
RESOURCE CENTER**
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Brenda Boleyn, Chairman
- 4 CAPE COD MUSEUM OF NATURAL HISTORY**
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TRUSTS**
(508)362-9131
Mark H. Robinson, Executive Director
- 10 4-H FARLEY OUTDOOR EDUCATION CENTER**
(508)477-0181
Michael Campbell, Executive Director
- 11 LLOYD CENTER FOR ENVIRONMENTAL
STUDIES**
(508)990-0505
Martha Peterson, Education Coordinator
- 12 MANOMET BIRD OBSERVATORY**
(508)224-6521
Janis Albright-Burton, Director of Education
- 13 MARIA MITCHELL ASSOCIATION**
(508)228-9198
Kathryn Pochman, Administrator



ENVIRONMENTAL EDUCATION



- 14 MASSACHUSETTS AUDUBON SOCIETY
SOUTH SHORE REGIONAL OFFICE
(617)837-9400
Elyn Einhorn, Teacher/Naturalist/Program Coordinator
- 15 MASSACHUSETTS AUDUBON SOCIETY
WELLFLEET BAY WILDLIFE SANCTUARY
(508)349-2615
Robert Prescott, Director
- 16 NATIONAL MARINE FISHERIES SERVICE
AQUARIUM
(508)548-7684
Donna C. Place, Education Program Coordinator
- 17 NATURAL RESOURCES TRUST OF EASTON
(508)238-6049
Virginia Reusch, Executive Director
- 18 N.E.E.D. COLLABORATIVE
(NATIONAL ENVIRONMENTAL EDUCATION
DEVELOPMENT)
(508)349-3475
Roger Beatty, Director
- 19 NEW ALCHEMY INSTITUTE
(508)564-6301
Virginia Rasmussen, Acting Director
- 20 SOUTH SHORE NATURAL SCIENCE CENTER
(617)659-2559
Susan Rauchwerk, Education Coordinator
- 21 SOUTH SHORE YMCA CAMPS
OUTDOOR EDUCATION CENTER
(508)428-2571
(617)773-9184
Chris J. Gajewicz, Director of Outdoor Education
- 22 THORNTON W. BURGESS SOCIETY
(508)888-6870
Patricia Curran, Director of Programs and Collections
- 23 WAQUOIT BAY
NATIONAL ESTUARINE RESEARCH RESERVE
(508)457-0495
Christine Gault, Reserve Manager
- 24 WOODS HOLE OCEANOGRAPHIC INSTITUTION
SEA GRANT PROGRAM
(508)457-2000, ext. 2398
Lee Anne Campbell, Sea Grant Communicator

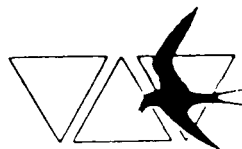
13. **MARIA MITCHELL ASSOCIATION**
2 Vestal Street
Nantucket, MA 02554
(508)228-9198
Kathryn Pochman, Administrator



Brief Description of Organization: The Maria Mitchell Association is a non-profit organization incorporated in 1902. Named for America's first woman astronomer, the MMA promotes education and research in the fields of astronomy, history, and natural science. Research on variable stars adds to a growing archive of photographic plates. The Science Library, open year-round, houses the largest collection of Maria Mitchell memorabilia and provides free lending and research materials. The Historic Mitchell House (Maria Mitchell's birthplace), the Hinchman House Natural Science Museum, and Aquarium are open summers only.

Special Programs: Children's classes in astronomy, history, marine life, and nature studies; daily birding and wildflower field trips; weekly lectures on astronomy and natural science (summers); winter lecture series. Contact the Maria Mitchell Association for scheduling and fees.

14. **MASSACHUSETTS AUDUBON SOCIETY'S
SOUTH SHORE REGIONAL OFFICE**
2000 Main Street
Marshfield, MA 02050
(617)837-9400
Ellyn Einhorn, Teacher/Naturalist and Program Coordinator



Brief Description of Organization: Administers the following properties: *South Shore Regional Office* - on 176 acres, two miles of trails and a boardwalk on the North River, gift shop; *Black Pond Nature Preserve* - owned by the Nature Conservancy, 61 acres operated by Massachusetts Audubon Society, contains a white cedar bog, a pond and an upland forest; *North Hill Marsh Wildlife Sanctuary* - 137 acres of oak/pine forest, marsh and a 90-acre lake; *Daniel Webster Wildlife Sanctuary* - 500 acres of open grassland with new "wet panne" and observation blind.

Special Programs: Slide shows and talks on a variety of natural history and environmental topics. Walks, outings, classes for children and adults, interpretive hayrides at Daniel Webster. Non-lending library; slide collections and herbarium collection. Special events include Farm Day, 8-mile Walk for Wildlife, Natural History Book Fair, Bird Carving Exhibition, Nature Photography Competition and Juried Show, guided walks on Duxbury beach July - August, Library exhibits and displays. Any film or slide show offered by Massachusetts Audubon Society can be obtained through the South Shore Regional Office.

15. **MASSACHUSETTS AUDUBON SOCIETY'S
WELLFLEET BAY WILDLIFE SANCTUARY**
Off West Road, PO Box 236
South Wellfleet, MA 02663
(508)349-2615
Robert Prescott, Director



Brief Description of Organization: The Sanctuary consists of 750 acres of salt marsh, ponds, streams, pine woods, coastal heath, and barrier beach on Cape Cod Bay with an extensive boardwalk/trail system. Nature tours, classes, and programs are offered on and off site for students of all ages. Guided nature tours and cruises go to Monomoy Island, Nauset Marsh, Pleasant Bay, and Cape Cod Bay as well as other natural areas around the Cape. Natural history canoe trips can be arranged. A camp ground and housing are available for visiting groups. Sanctuary staff provide programs related to natural history including slide presentations, guided walks, and participatory research projects.

Special Programs: field school for adults, whale and sea bird cruises, Cape Cod Bay and Wellfleet Harbor oceanography cruises, oceanography/marine biology classes, canoe trips, interpretive walks, teacher workshops; extensive slide lecture selections including marine mammals around the Cape, seals of the Cape and Islands, stranded marine mammals (some of the theories) birds of Cape Cod (seasonal emphasis); Cape Cod wild flowers, birds of prey, endangered species, and sea turtles. Call or write for complete list and fee schedule.

16. **NATIONAL MARINE FISHERIES SERVICE
AQUARIUM**
Water Street
Woods Hole, MA 02543
(508)548-7684
Donna C. Place, Education Program Coordinator



Brief Description of Organization: The Fisheries Aquarium is operated by the Northeast Fisheries Center, National Marine Fisheries Service, to accommodate the Center's research, education, and public display programs. The Aquarium assists the Center's investigators who require living materials and facilities for experimental work. Its educational program and public displays contribute to the understanding and appreciation of the fish and shellfish resources of the Northwest Atlantic Ocean.

Special Programs: Throughout the school year, the Aquarium offers an educational program at no charge to schools, colleges, and special needs groups. Students of all ages are given an opportunity to explore the marine environment, its organisms, and methods by which ocean resources are harvested and investigated. Films and videos on related topics may be shown. Workbooks to reinforce what students have learned are available. An educational guide booklet is available. The educational program is conducted by reservation only. A summer volunteer program for high school students is also available. Call or write for a reservation or more program information.

17. **NATURAL RESOURCES TRUST OF EASTON**
307 Main Street
North Easton, MA 02356 (Office and Sheep Pasture)
PO Box 187
South Easton, MA 02375 (Mailing)
(508)238-6049
Virginia Reusch, Executive Director



Brief Description of Organization: The Natural Resources Trust of Easton is a twenty year old local non-profit land trust which offers environmental education programs for townspeople of all ages. The Trust owns two properties, Sheep Pasture and Beaver Brook Woods, both of which are open daily for walking and nature observation. The Trust also owns four conservation restrictions on land adjacent to a major town brook, Quest Brook. The organization cooperates with the Conservation Commission in acquiring public open space for the town, has published a map of conservation lands in Easton, and awards a yearly scholarship for environmental studies.

Special Programs: Environmental education classes for grades K-5 for Easton schools, a 6th grade junior naturalist program, senior citizen programs, weekend family natural history and holiday workshops, a series on local environmental issues, and a summer natural history day camp. Additional offerings are an annual harvest and crafts fair, spring plant sale, folk music concert, and a small model farm located at Sheep Pasture.

18. **N.E.E.D. (NATIONAL ENVIRONMENTAL EDUCATION DEVELOPMENT) COLLABORATIVE**
North Pamet Road, PO Box 896
Truro, MA 02666
(508)349-3475
Roger Beatty, Director

Brief Description of Organization: Offers a residential environmental education program for 5th and 6th grade students. Living space in a former Coast Guard Station overlooking the Atlantic Ocean. Classroom consists of the beaches, dunes, woods, marshes, swamps, and ponds of Cape Cod National Seashore.

Special Programs: Lessons on marine life, geology of Cape Cod, pond life, salt marshes, cranberry bogs, birds, marine mammals, marine algae, weather, astronomy, Native Americans, and nature crafts. Night programs include night hikes, star gazing, and stories and songs around a fire. Program administered by the Dennis-Yarmouth, Falmouth, and Harwich school systems in cooperation with the National Park Service. Weeks are available for other school systems.

19. **NEW ALCHEMY INSTITUTE**

237 Hatchville Road
East Falmouth, MA 02536
(508)564-6301

Virginia Rasmussen, Acting Director



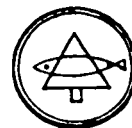
Brief Description of Organization: The New Alchemy Institute is dedicated to promoting sustainable agricultural systems that restore ecological balance and help neighborhoods feed themselves. Through its research, education and networking programs, it seeks to build whole systems that enhance environmental integrity and human well-being. Staff of the Institute research and develop agricultural methods that are ecologically sound, economically viable, readily learned and applicable with simple tools, limited means and local resources. Education and outreach programs are designed to teach these methods to gardeners, small-scale farmers, neighborhoods and community development workers in both rural and urban settings. The New Alchemy Institute participates in a network of organizations to further these goals and work for the preservation and enhancement of the planet's natural integrity. The Institute is open year-round for self-guided tours.

Special Programs: Short courses and workshops on subjects related to an ecological future are given on occasional weekends during the spring and fall seasons; internships offered; consulting services available; presentations provided by staff members for group meetings in southeastern Massachusetts; an elementary school garden-based science curriculum, The Green Classroom, is available; a catalogue of products and literature related to sustainable agriculture can be ordered from the Institute for \$3.00. Open House/Farm Field Day is held on site in early July. Annual Benefit Folk Festival held at the Barnstable County Fairground in late August. Super-insulated auditorium available for rental. Tours, \$3.00 per person.

20. **SOUTH SHORE NATURAL SCIENCE CENTER**

Jacobs Lane, PO Box 429
Norwell, MA 02061
(617)659-2559

Susan Rauchwerk, Education Coordinator



Brief Description of Organization: A private, non-profit center focusing on environmental education, natural and cultural history. Goal is to instill appreciation and develop understanding of the fragile, dynamic, and complex character of the natural environment and people's historic and continuing presence as an active part in it. Facility includes 64 acres of diverse habitats on four sites with six trails, one for the visually handicapped. Offerings include: (1) interpretive walks and activities for adults, youth, families; (2) school and pre-school programs and classes; (3) teacher workshops; (4) trips; (5) summer day camp; (6) craft workshops; (7) permanent and changing exhibits; (8) natural history collections; (9) natural history lending library; (10) nature gift shop.

Special Programs: In-school and on-site school visits, speakers bureau, extended natural history trips, headquarters for South Shore Astronomical Society and North River Chapter of the Massachusetts Archaeological Society, kids festival, garden tour, corn festival and volunteer opportunities. A dramatic main room with magnificent windows, sculpture, and fireplace available for rental. Open all year. Call or write for more information and current program offerings.

**21. SOUTH SHORE YMCA CAMPS
OUTDOOR EDUCATION CENTER**

**75 Stowe Road
Sandwich, MA 02563
(508)428-2571
(617)773-9184**



Chris J. Gajewicz, Director of Outdoor Education

Brief Description of Organization: The South Shore YMCA Camps are a non-profit organization offering year-round outdoor education experiences to students K-12. The 420-acre site has a variety of natural areas including freshwater ponds, bogs, marshes, upland fields, and forests. Students taking part in the resident program stay in winterized cabins and meals are served family-style in the dining hall. Day programs are also an option for school groups.

Special Programs: The curriculum is made up of several class and program areas. Environment and ecology classes take advantage of the natural areas on and near camp. Classes include freshwater pond and salt marsh studies, and plant and animal identification and habitats. Outdoor Living Skills challenge the students to cook over open fires and learn survival and map and compass skills. Adventure Based Programs give students the opportunity to climb the 32-foot climbing tower, try out the low and high teams ropes courses, and learn how to better communicate and cooperate with one another. Programs can be developed from one or all of these class areas to fit the needs of the students and curriculum.

22. THORNTON W. BURGESS SOCIETY

**6 Discovery Hill Road
East Sandwich, MA 02537
(508)888-6870**



Patricia Curran, Director of Programs and Collections

Brief Description of Organization: A non-profit education organization, the Thornton W. Burgess Society owns and operates the Thornton W. Burgess Museum on Water Street in Sandwich and the Green Briar Nature Center and Jam Kitchen in East Sandwich. Both facilities are open year-round and visitors are welcome. Includes exhibits, trails, gardens, a resource library, and the historic Green Briar Jam Kitchen.

Special Programs: School programs are offered in natural history and environmental education for pre-schoolers through high school. Public programs for children and adults are offered year-round. Slide programs and workshops for teachers, garden clubs, civic groups and youth organizations can be arranged.

23. **WAQUOIT BAY
NATIONAL ESTUARINE RESEARCH RESERVE**
DEM - Division of Forests & Parks
PO Box 92W
Waquoit, MA 02536
(508)457-0495
Christine Gault, Reserve Manager



Brief Description of Organization: The Waquoit Bay NERR, one of 18 unique areas designated as part of a Federal-State (NOAA) venture, is designed to provide opportunities for long-term research, education, and resource protection, providing information through research and various educational programs on coastal management issues. The Reserve encompasses over 2600 acres of habitat from uplands, coastal marshes, and an estuarine environment.

Special Programs: Limited educational permits are available on a competitive basis to use the site for programs.

24. **WOODS HOLE OCEANOGRAPHIC INSTITUTION
SEA GRANT PROGRAM**
Woods Hole, MA 02543
(508)457-2000, ext. 2398
Lee Anne Campbell, Sea Grant Communicator



Brief Description of Organization: The National Sea Grant College Program, under the National Oceanic and Atmospheric Administration (NOAA), is a federal funding agency that supports scientific research, education, and advisory projects to promote the wise use and understanding of ocean and coastal resources for the public benefit. The Woods Hole Oceanographic Institution Sea Grant Program is one of a network of 30 Sea Grant programs located at universities and research institutions throughout the coastal and Great Lake states.

Special Programs: Research and publications in coastal processes, water quality, toxic algal blooms, marine resources development, and international marine sciences cooperation. Public education and outreach programs include sponsorship of workshops and conferences on various marine topics, *Nor'easter* magazine, "Oceans Alive" lecture series, and other special publications and seminars.

CONSULTANTS

Faith L. Burbank
17 Andrews Isle
Hingham, MA 02043
(617)749-9473

Specialties: Consulting for environmental education organizations in the areas of public outreach, fundraising, marketing, and networking; a facilitator for the enhancement of the region's environmental education community.

Qualifications: Many years experience in environmental education field; successful fundraising campaigns; member of board of directors of Plymouth County Development Council; member of Hull High School environmental education program advisory board.

Bette Low
PO Box 107
Dartmouth, MA 02714
(508)636-3871

Specialties: Produce soft-sculpture, dissectable teaching models for schools, museums, and nature centers; provide unforgettable, hands-on, classroom programs featuring scientifically-correct, larger than life, take-apart fabric models of marine creatures; available as naturalist to lead small groups at schools, sanctuaries, town forests and parks; pre- and post-visit classroom activities.

Qualifications: Over ten years experience in environmental education with special knowledge of wild plants and marine studies. Call or write for free brochure.

Barbara S. Waters
PO Box 735
Chatham, MA 02633
(508)945-3631

Specialties: K-8 environmental science education; available for contract work as freelance consultant to educators in all areas of environmental science education.

Qualifications: Thirty years experience; recent projects: development of curriculum about Waquoit Bay, inservice workshops for teachers sponsored by Mass. Dept. of Education, mentoring (Chatham W.E.T. Middle School Program), research and planning (Education Conservation Plan, Moose River, Jackman, Maine for the Atlantic Center for the Environment); past experience: elementary school science supervisor, museum director, successful grantwriter, author of books and articles; current member of board of Mass. Marine Educators and Mass. Assoc. of Science Teachers; appointed to Mass. Secretary of Environmental Affairs' Advisory Group for Environmental Education.

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Please send corrections to editor: Lee Anne Campbell, Sea Grant Program, Woods Hole Oceanographic Institution, Woods Hole, MA 02543.

**Network for Environmental Science Education
c/o Sea Grant Program
Woods Hole Oceanographic Institution
Woods Hole, MA 02543**