MISSION STATEMENT

The purpose of the Environmental Education Advisory Council (EEAC) is to provide a forum for the exchange of ideas and methods among professionals in the environmental field.

The Goals of EEAC are:

* To disseminate environmental education information in order to advance ecological and environmental ideals,
* To assist and consult community and other non-pecuniary groups in furthering environmental causes,
* To assist and coordinate governmental units in setting and implementing sound environmental policies so as to lessen the burdens of government,
* To act as a clearing house for environmental information,
* To conduct public discussion groups, forums, panels, lectures or other similar programs,
* To advise various public educational institutions and others,
* To bring together and support existing programs for cooperative and complementary efforts,
* To act as an advocate for the establishment of environmental education programs and
* To be a catalyst for positive change in environmental education and environmental management.
Environmental Education Advisory Council

c/o The Brooklyn Center for Urban Environment
The Tennis House
Prospect Park
Brooklyn, New York 11215

Chairman:
Talbert Spence
Director of Education
New York Academy of Sciences
2 East 63rd St.
New York, NY 10021
(212) 838-0230

Vice-Chairman Issues:
Kenneth Kowald

Vice-Chairman
Member Programs:
Mike Mann
Brooklyn Clearwater/Environmental Quest

Secretary:
Millard Clements
New York University

Treasurer:
Bernard Kirschenbaum
12 Gregory Road
Springfield, NJ 07081

Membership Secretary:
Saundra R. S. Jones

Honorary and Ex-Officio Members:
Rose Blaustein (H)
Fireboat House Environmental Center

Kim Estes-Fradis (E)
NYC Dept. of Environmental Protection

Dr. Eugene Ezersky (H)

Sam Holmes (H)

John C. Muir (H)
Brooklyn Center for Urban Environment

Ray Pfortner (H)
Peter Arnold, Inc.

Helen Ross Russell (H)
American Nature Study Society

Nancy Wolf (H)
Environmental Action Coalition

Therese Braddick (E)
NYC Parks Department

Steering Committee Members:
Class of '90
Elaine Alberts
P.S. 1206, Queens

Patricia A. Campbell
Bronx Green-up Program
New York Botanical Garden

Carol Franken
Comm. School Dist. #4

Marcia Kaplan-Mann
Environmental Quest /UFT

Barbara Miller
P.S. 297 Manhattan

John J. Padalino
Pocono Environmental Education Center
Class of '91

Dick Buegler
Protectors of Pine Oaks

Jean Gardner
Environment 90

Gina McCarthy
Comm. School Dist. 27

Marian Miller-D'Alessandro
Inwood Heights Park Alliance

Frediswinda Pantoja
P.S. 251, Brooklyn

Mike Zamm
Council on the Environmental of NYC

Class of '92
David Cohen
P.S. 90 Queens

Ruth Eilenberg
Gateway Environmental Study Center

John Kominiski
N.Y.C. Board of Education

Charles Mazza
Cornell University Cooperative Extension

Lenore Miller

Barry Weinbrom
JHS 51, Brooklyn

This newsletter is a publication of the Environmental Education Advisory Council (EEAC), a city-wide not-for-profit voluntary organization of educators, classroom teachers, administrators and other professionals in active support of environmental education. This newsletter is published quarterly and available upon request.

Please send material (articles, drawings, letters, program information) for inclusion in the EEAC newsletter to:

Therese Braddick
NYC Parks & Rec. Dept.
The Overlook, Forest Park
Kew Gardens, New York 11415

This Newsletter is printed through the generous support of the Consolidated Edison Company of New York.
CHAIRMEN'S MESSAGE:

by Talbert B. Spence, EEAC Chairman

Dear Colleagues:

The Environmental Education Advisory Council is a membership organization established 15 years ago to promote and effectuate environmental education in New York City.

Through its activities, EEAC encourages the analysis and understanding of environmental issues and questions as the basis for effective education, policy-making, and environmental management. The Council also seeks to foster the education of a skilled citizenry conscious of the scope of current and emerging environmental issues facing our community, possessing the motivation and expertise to devise effective solutions to them.

During Sam Holmes masterful and productive tenure EEAC has become a creditable advocate for change in New York City. Under his leadership EEAC has evolved into a comprehensive environmental education voluntary organization working to inspire professionals, teachers, students and the public. The Steering Committee organizational structure has been changed to reflect the complex and diverse issues facing our future work. This important adjustment in the operational format will greatly enhance my ability to uphold the vision and achievements gained by Sam and the Steering Committee. Thank you Sam Holmes for your support, vision, astuteness and humanity.

The following list of new Vice Chairperson positions will enable EEAC to become a more interactive organization with each component conducting specialized activities responsive to our membership and attaining our future goals and objectives.

Vice-Chairperson
Issues: Kenneth Kowald

Vice-Chairperson
Member Programs: Mike Mann
Brooklyn Clearwater/Environment Quest
SAVE THIS DATE!!!!!!

MEMBERS MEETING

NOVEMBER 15, 1990

CENTRAL PARK ZOO

4:30 p.m. TO 6:30 p.m.

Items: * Presentation by Zoo Curator
* Election of New Officers & Steering Committee Class
* Discuss Plans for 1991

R.S.V.P. By November 13, 1990, To:

Talbert B. Spence
212-838-0230, ext. 223
The New York Academy of Sciences

EEAC MEMBERSHIP

BENEFITS:

Life Membership $100
$150.00 January 1991

Dues $10.00 ---- Increase to $15.00 January 1991

IF you are a Teacher/ School Administrators:

* Technical assistance on -
  a. Curriculum Development
  b. Fieldtrips to local environmental education facilities
* 3 Members Meetings
* Newsletter
* Supporting youth and awards programs

If you are a Environmental Education Professional

* Newsletter - containing book reviews, curriculum ideas,
  calendar of events, recent EE news

* Networking
* Conferences and or special workshops/seminars
* Technical meetings and seminars
* Legislative update
Objective: Students will perceive the importance of wetlands in controlling flooding and purifying and replenishing water supplies.

Materials: Modeling clay, sponges, sticks, Q-tips, glue, scissors, brown paint.

Time: Two to three hours.

Our wetlands are nature’s sponges. Unfortunately, their importance in controlling flooding, replenishing and purifying our water, and providing habitat has not been widely recognized.

Ask your students to think about the condition of a grassy field after a rain or when the snow melts in the spring. They will recall the soggy ground beneath their feet. See if they can think of any reasons why wetlands should be left to their natural state.

To help them discover the important role of wetlands, have them build a mini-environment modeled on the drawing above. Use modeling clay to build the terrain. Then have them cut and glue a thin layer of sponges onto the surface of the land, except on the wetland. They could use sticks and pieces of green sponge to make trees, and Q-tips colored brown for cattails. Have them make a “removable marsh” out of a thick piece of sponge to be inserted into the wetland depression. Be sure they don’t glue this in place.

When they have completed the model, have them place the removable marsh in the depression and pour water onto the model at the point furthest from the lake. Watch how the “ground” absorbs the water and how the lake or stream slowly fills in. Now “drain” the wetland by removing the sponge. What happens when water is poured onto the model? How fast does the lake fill in? Pour on a good volume of water. Does the lake or stream “flood?” Is any water stored in the wetland depression for release later on? Now place the “wetland” back in the depression. Pour muddy water onto the model. What color is the water coming out into the lake? What happens when the wetland is removed? Should wetlands in nature be protected?

Nature's Sponges is taken from LIVING LIGHTLY IN THE CITY, an interdisciplinary environmental and conservation education program. There are volumes for K-2, 3-6 and grades 7-9. For more information write to the Schlitz Audubon Center, lll East Brown Deer Rd., Milwaukee, Wis. 53217.
The big issue this fall for all those concerned about the environment is the *21st Century Environmental Quality Bond Act*, which will be on the ballot on Election Day, Tuesday, November 6. This $1.975 billion bond act would fund, through the year 2000, land acquisition, municipal park and historic preservation efforts, as well as an intense municipal recycling program and a matching grant program for municipal government to assist in the closure of non-hazardous municipal landfills. It deserves your support and that of your colleagues.

Since its been a long time between "Newsletters", here in no special order of priority, are some things that you might wish to know about:

*The National Arbor Day Foundation*, 100 Arbor Avenue, Nebraska City, Nebraska 68410, has information about "Conservation Trees" and other subjects you will find of interest.


*The Center for Plant Conservation*, 125 Arborway, Jamaica Plain, Massachusetts 02130-3520, has information you will find of value about the problem of plant losses in this country. A book you may wish to buy is *50 Simple Things You Can Do To Save The Earth*, published by The Earth Works Group, Earthworks Press, Box 25, 1400 Shattuck Avenue, Berkeley, California 94709. Bulk rates are available.

If you don't know about Global Releaf, you should. Learn about this program of the American Forestry Association by writing to P.O. Box 2000, Washington, D.C. 20013.

The Council on the Environment of New York City has an information sheet on "Mail-Order Catalogues Promoting Environmentally Friendly Products". Write to the Council at Room 228, 51 Chambers Street, New York, New York 10007.

*Green Seal* describes itself as "the first national, independent, non-profit environmental labeling program for consumer products". To learn more, write to 1733 Connecticut Avenue N.W., Washington, D.C. 20009.
EEAC News

If you are interested in the future of Flushing Meadows Corona Park in Queens, you may obtain a copy of the June, 1990, "Concept Plan", by writing to the Flushing Meadows Corona Park Corporation, 120-55 Queens Boulevard, Kew Gardens 11424.

The Regional Plan Association has just published, as part of its "The Region's Agenda" series "The Greening of The Apple: Greenway Opportunities in New York City". The Association is on the 16th Floor, 1040 Avenue of the Americas, New York, New York 10018-3707.

The Izaak Walton League has an SOS (Save Our Streams) program. For a "Citizen Monitoring Packet" and more information, write to the League at 1401 Wilson Boulevard, Level B, Arlington, Virginia 22209.

The New York Department of City Planning has a new pamphlet, "Waterfront Walks in New York City". Write to the Department's Waterfront and Open Space Division, Room 6W, 22 Reade Street, New York, New York 10007-1216.

EEAC Steering Committee member, Frediswinda (Wendy) Pantoja and some of her students from P.S. 251 in Brooklyn are featured in a new half-hour video, "The Brooklyn/Queens Greenway: A Sign of the Times", created by the Neighborhood Open Space Coalition and WNYE-Channel 25. For information, call Anne McClellan at the Coalition, (212) 513-7555.

The New York City Department of Transportation has published a brochure on "Highway Beautifiers of New York City", which may be obtained from the Arterial Highways Division, Room 1037, 40 Worth Street, New York, New York 10013.

"New York City is a Recycling City" is a publication of the New York City Department of Sanitation and may be obtained by writing to the Recycling Program and Planning Division, 8th Floor, 253 Broadway, New York, New York, 10007, or call (212) 240-4842.

As of now, our information is that the Children's Environments Research Group of the Center for Human Environments, Graduate School and University Center of the City University of New York will hold a "Schoolyards Conference" in Manhattan on Thursday, October 11. For complete information, call Sandy Gaster, Conference Coordinator, or Roger Hart, Project Director, at (212) 642-2970.

--Kenneth Kowald
ENVIRONMENTAL EDUCATION ADVISORY COUNCIL YOUTH CONGRESS

Building on the enthusiastic participation of 71 high school juniors during the EEAC Youth Congress in April, a follow-up meeting was held at the New York Academy of Sciences on June 16. A smaller working group crafted the recommendations made in the five workgroups at the Congress into a preliminary outline of an Agenda for Action. After review by members of the EEAC Steering Committee, we now have a suggested standardized format which our writers are using to consolidate their recommendations in dealing with solid waste, water pollution, water supply air pollution and protection of habitat. It is expected that we will have a complete document by early October. We are planning to distribute the Agenda to schools and elected officials in the communities represented by students at the Congress.

In order to support the interested student leaders who attend the Congress in their action projects, EEAC is planning a how-to session at The New York Academy of Sciences on Saturday, October 20. All Congress participants will be invited and will also receive invitations to all EEAC meetings as members of EEAC. Other recommendations for follow-up will be pursued during this school year. Interested EEAC members are urged to contact Ruth Eilenberg at (718) 252-7307.

Council on the Environment of New York City’s Environmental Education Program:

The revised Training Student Organizers (TSO) Curriculum will be available by October, 1990. The new TSO manual provides teachers, youth leaders, student organizers and community activists with much more information on environmental issues than the old version, and lays out in detail the steps involved in organizing over 20 environmental action projects. This 239 page work will be available for $10. Contact CENYC, 51 Chambers Street, Room 228, New York, New York 10007, (212) 566-0990 if interested in being placed on the mailing list of those who will receive notification when the manual is ready for distribution.

The Council’s education staff will be involved in an exciting project this fall. We will be preparing a feasibility study for a high school for environmental studies in New York City. We will be communicating with many of the environmentalists and environmental educators in the city about this project. For more information call Mike Zamm at (212) 566-0990.

A recent review done by our staff of the Regents and Regents Competency Exams in the sciences and social studies indicates a fair/satisfactory amount of environmental concepts on the science exams (with room for improvement) but a totally inadequate inclusion in the social studies tests. This significant reflection of EEAC’s statewide syllabus infusion effort indicates that we have made strides but much more needs to be done.
Things To Do:

By Sam Holmes, Past Chairperson

CALL FOR ACTION

* Get information about EEAC and its members' programs into the materials the Board of Education gives to new teachers in the fall.

* Prepare a folder about job opportunities in environmental fields.

* Revise previous EEAC publications, and publish resource guides based in the 1987 New York, Naturally conference.

* Explore the computerization of environmental education information.

* Create an Environmental Exemplar award for schools and school custodians.

* Encourage preservation of historic structures, and foster school programs which interpret the historic and built environment.

CALL FOR INFORMATION

EEAC is compiling a list of class trips and materials available through our membership organizations for use by classroom teachers.

Please include levels recommended for each kind of trip, costs, if any, and a contact phone number. For educational materials, include cost, if any, and bulk rate reductions.

Please respond as soon as possible, so your organization will be included.

Send your information to:
Marcia Kaplan-Mann
Steering Committee Member
1715 Newkirk Ave.
Brooklyn, New York 1122
EEAC NEWS

American Museum of Natural History
Saturday, Nov. 10-11
10 am - 4:30 pm
Kaufmann Theater

From Bedrock to Forest
A Conference on the Metro. Environment
Call: 212-769-5750
Sidney Horenstein
for information

Alley Pond Environmental Center
718-229-4000

Aldo Leopold Nature
Kids-Ranger
Thurs., Sept. 27; Oct. 4,11,28,25,
Nov. 1,8,15,29; Dec. 6
3:30-5 pm
Fee: $55 APEC Members
$75 Non-members
Ages: grades 4,5,6
Pre-paid Registration Required

This workshop includes special guest,
Karen Williams, member of NY Herbotological Society,
who will lead interesting discussions about snakes and frogs. (This workshop geared for grades 4-6.)

Halloween Happening
Wed., Oct. 31
7-8:30pm
Fee:$4 APEC Members
$5 Non-members
Ages: 4 and up
Pre-paid Registration Required

New Name for PPEC to:
Brooklyn Center For The Urban Environment.
The Tennis House, Prospect
Brooklyn, NY 11212

New School Programs

Landscape to Cityscape
This program for grades 4 to 10 consists of three field trips, one in-class session and a program orientation with the class teacher.

Conserving Urban Wildlife Habitat
This program for grades 4 to 10 consists of three field trips, one in-class session and a program orientation for the class teacher.

For more information contact:
Tom Oppacker,
Director of School Programs, or
Charles Monaco

PEEC:

December 7-9 -
Understanding How the Weather Works. A weekend workshop for environmental educators.

PEEC Christmas Count
December 23, 1990

The Christmas Bird Count is a coast-to-coast annual bird census, sponsored by the National Audubon Society. The program will coincide with PEEC's Yule Log celebration and conclude with a festive dinner. Contact PEEC at 717-828-2319.
Environmental Education Organizations, Programs and Facilities Which Serve New York City Schools

**Environmental Study Centers**
- Tot Lots
- Grow Truck and other greening projects
- America The Beautiful Fund - Free seeds and bulbs program

**Environmental Action Coalition**
- Woods and Water
- Urban Forestry
- Arbor Day (with NYS DEC)
- Environmental Quest
- Girl Scouts of America

**Gateway National Recreation Area**
- Jamaica Bay Wildlife Refuge
- Ft. Tilden
- Swamp White Oak Forest
- Green Guerrillas

**NYC Dept. of Parks and Recreation**
- Natural Resources Group
- Urban Park Rangers

**NYS Department of Parks**
- Operation Explore
- NYS Department of Environmental Conservation
- Project Learning Tree
- Adopt-A Beach Arbor Day (with EAC)

**New York Academy of Sciences**
- Citywide Science Fairs
- Scientists In The Schools
- The Junior Academy
- Young Environmental Scholars
- Operation GreenThumb
- Protectors of Pine Oak Woods
- Queens Farm Museum
- The River Project
- Sierra Club

**University Programs**
- City College School of Education
- City University, Children's Environments Research Center
- Columbia University Nutrition Education Project

**Botanical Gardens**
- Brooklyn Botanic Garden
- New York Botanical Garden
- New York Horticultural Society
- Queens Botanical Garden
- Staten Island Botanical Garden

**Zoos**
- New York Zoological Park
- Central Park Zoo
- New York Aquarium
- Staten Island Zoo

**Other Programs and Facilities**
- American Museum of Natural History
- Appalachian Mountain Club
- Audubon Society - National and NYC Chapter
- Boy Scouts of America, Greater New York Council
- Brooklyn Chapter, the Clearwater
- Bronx Council on Environmental Quality
- Cetacean Society
- Council on The Environment of New York City
- Training Student Organizers

**Cornell University Cooperat Extension**
- Urban Gardening
- 4H Clubs
- Agriculture in The Classroom
- Nutrition Education Project
- Hunter College
- New York University, Environmental Conservation Education Program
- St. Johns University
- Queens College Center for Environmental Education, Caumsett

**Teacher Organizations**
- Elementary Science Teachers Association (ESSA)
- Science Council of NYC
- Educators for Gateway
- New York State Marine Educators Association
- New York State Outdoor Education Association

**Out of Town Environmental Centers Which Serve The City (Partial)**
- Crystal Run Environmental Center
- Five Rivers Environmental Center
- Pocono Environmental Education Center
This fall the Learning Alliance is offering numerous environmental programs including a conference on Radical Action In The Environmental Movement - November 10-11, 1990; a regional gathering addressing Visions & Actions For A Sustainable Region - November 18, 1990; and an Environmental Law Clinic designed for the layperson. Join leading environmentalists from the Rainforest Action Network; Rainforest Alliance; Greenpeace USA; Indigenous Women's Network; Earth First; International Sea Sheperd Conservation Society; Farm Labor Organizing Committee; National Association of African American Environmentalists; Chico Mendez Committee; and the Rainforest Foundation; as they explore the crucial environmental issues of our time.

For more information: Contact Learning Alliance 212-226-7171
SCIENCE FAIR AWARD WINNERS 1990

The following listings are the students who were selected by EEAC Judging Teams during the 52nd New York Academy of Sciences School Science Fair on March 9, 1990.

BOROUGH FAIRS

Award $50.00 Savings Bond
Manhattan

DELAYING GLOBAL WARMING

Jasmine Wile & Rebecca Motalvo
East Harlem Tech. P.S. 72
Queens

THE GARBAGE CRISIS

Lily Belfi
I.S. 74
Bronx

MOTOR OIL’S EFFECT ON C. ALGAE

David Kauvor
J.H.S. 141 - David A. Stein School
Brooklyn

OZONE LAYER DEPLETION

Adam Schwartz
J.H.S. 240
Staten Island

RADON
Deborah Coppola
St. Patrick School

CITYWIDE FAIR

Brooklyn

SOLAR CELL EFFICIENCY

Andrea Patten
Midwood H.S.

Judges:

Brooklyn
Ruth Eilenburg
Richard Goldstein

Bronx
Stephen Hiro
Charles Levenber

Manhattan
Millard Clements
Sam Holmes
Raymond Pfportner

Queens
Therese Braddick
Saundra R.S. Jones

Staten Island
Diana Hernandez
Nancy Fisk
Lorraine Austin
EEAC MEMBERSHIP QUESTIONNAIRE

Name:__________________________________________________________

Address:____________________________________________________________________

City:______________________ ZIP_____________________

Home Tel.:_________________________

Employer/Organization Affiliation:

Address:____________________________________________________________________

Bus. Tel.:_________________________

Do you officially represent the above organization to EEAC?

---YES ---NO

1. EEAC Members as a resource: an inventory.

A. What are your major interests and skills?

B. In what fields are you able to give instruction (Circle items)

Architecture          Astronomy          Art
Birds                Built Environmental      Botany
Biology             Computers        Camping
Engineering       Environmental Sci.    Forestry
Gardening             Environmental Hist. Energy
Nature            Oceanography          Plants
Photography           Orienteering        Space
Survival              Urban Planning

Other:
2. EEAC Programs preferred:

   What format would you like to see EEAC utilize in its members programs?
   (Rank order the following 1-9)

   Visits to other EE facilities  Teacher training workshops?
   Weekend conferences?  Out of town conferences?
   Day long conferences?  Nature walks/guided tours?
   Picnic/Social/Recreational activities?  Addresses and speeches by experts?
   Visits to environmental control facilities?

   Other?

3. Vocation/Avocation: Who are you?

   Do you consider yourself an environmental educator? Yes  No
   If no, what else do you do?
   If yes, are you: Full Time/Part Time/Volunteer?
   If yes, what kind of institution?

   Government funded?  _______________  Privately funded  _______________

   Youth organization?  _______________

   Public or Parochial: Elementary School  _______________
   Junior High or Intermediate School  _______________
   High School  _______________

   College or University  _______________

   Do you teach a formal EE course?  Title:

   Briefly list content:

   Title of textbook:
4. Geographic and time considerations:
(Circle your preferences)

Man  Bklyn  Bronx  Queens  SI  NJ  LI  No. Suburbs

Would you attend meetings that required car access?
Would you attend meetings for which car access was impossible?
Do you prefer to attend meetings and events held on:
Weekdays after school?  Weekday evenings?  Weekends?

5. Environmental conferences:
Would you attend a conference given by EEAC?
Would you participate as a presenter at an EEAC conference?
Would you be willing to organize exhibits or an information table?
Would you be willing to work to organize a conference?

Please tear on dotted line and return this survey to:
by November 30, 1990

Chairman:
Talbert Spence
Director of Education
New York Academy of Sciences
2 East 63rd St.
New York, NY 10021
(212) 838-0230
RENEW TODAY!!!!

$\text{MEMBERSHIP APPLICATION}
The Environmental Education Advisory Council

A voluntary not-for-profit organization in support of Environmental Education in New York

NAME: ________________________________ (FIRST) (LAST) (M)
ADDRESS: __________________________________________________________
CITY: ____________________ STATE ______ ZIP __________________________

NEW _______ RENEWAL ______ TELEPHONE: ____________________________

Individual $10.00  Life $100 until December 30, 1990
$15.00  $150 effective January 1, 1991

Please make all checks payable to EEAC - Mail to:

Treasurer: Bernard Kirschenbaum
12 Gregory Road
Springfield, NJ 07081
(201) 467-0177

From time to time EEAC is ask to exchange its membership mailing list with other environmental and educational organizations, please check yes or no if you want your name included in such future exchanges.

_____ YES  _____ NO

YOUR MEMBERSHIP DUES ARE TAX DEDUCTABLE

EEAC has been granted Tax Exempt status under the IRS 501-C-3 Code

$\text{Renewal Application}$