

# SOLUTIONS

NEWSLETTER OF  
MONMOUTH COUNTY FRIENDS OF CLEARWATER  
SUMMER 07 • Vol 23 No 2

## MCFC Needs Volunteers for our 32nd Annual Clearwater Festival

**Saturday/Sunday, August 18-19 ~ Beautiful Sunset Park, Asbury Park, NJ**

Help us make 2007 our best festival ever. Volunteers can sign up for as little as 2 hours or for the whole weekend or anywhere in between. We need volunteers to support all aspects of the Festival to include:

- Stage Hands (3 Stages)
- Environmental Displays
- Peace Keepers
- Concession Stand
- Ticket Sellers
- Hospitality
- Recycling
- Membership
- Publicity
- Fundraising/Sponsorship

We need roadies to set up and breakdown the site on Friday prior to the Festival and on Monday morning after the festival. We also need volunteers to help us plan and carry out all the preparations that make our Festival the biggest Environmental Music Festival in NJ.

Please contact us by calling or writing us at:

- 732-872-9644
- PO Box 303, Red Bank, NJ 07701  
Attn: Volunteer Chairperson  
Irene Gibson
- Email: Volunteer Chairperson

### *Festival '07 by Chrissie Goedkopp*

It's that time of year again. The festival is drawing near. We need someone to take care of Concessions this year. Chic and Anne will be away for their sons wedding, so Chic won't be there to make sure everyone gets to eat. As usual we are also still looking for someone to head the Peacekeepers. The goal though is to get as many young people involved as possible. Bring the kids, grandkids, even the neighbors kids. As the group as a whole ages we need younger members to keep us moving along.

*It is the aim of Monmouth County Friends of Clearwater, that each member in his or her own way touch the people in our community and by word or deed convey the importance of conservation and reparation of the earth. ~*

### **Hudson River Revival 07 - Father's Day - Recap**

by Chrissie Goedkopp

We sold a record number of t-shirts this year at Hudson River. The weather was beautiful Saturday and Sunday. There was a large turn out at The Sloop Club Congress meeting Sunday am. Anne talked about Monmouth County Friends of Clearwater on a live radio broadcast Saturday.

(Photos by Chrissie)



*Closing Ceremony on Sunday.*



*The Pioneer sailing on the Hudson.*

**YES IT IS ALMOST FESTIVAL TIME AGAIN - COME TO FESTIVAL MEETINGS - JOIN A COMMITTEE  
- BUT MOST IMPORTANT IS TO FILL OUT A VOLUNTEER FORM ON PAGE 3 AND SEND IT IN TODAY !**

# Federal Budget Eliminates Funding For Geothermal Energy

As the threat of global warming escalates, the whole world is looking for alternatives to fossil fuel capable of providing clean, economical and reliable energy. The United States is sitting on top of one such source – geothermal energy. Extracting the heat that resides as stored energy in the Earth's hard rock crust beneath the United States could supply a substantial portion of the electricity the country will need in the future, probably at competitive prices and with minimal environmental impact.

In the proposed FY07 budget recently submitted to congress, funding for geothermal energy has been reduced to **zero**.

## GENERAL MEMBERSHIP MEETINGS

**UUCM MEETING HOUSE ~ 1475 West Front St, Lincroft**

**Sundays - July 1, 2007 and August 5, 2007**

**2:00 p.m.**

*Bring a covered dish for our potluck before & after the meeting.*

### DIRECTIONS TO MEETING:

Directions to Unitarian Church, 1475 West Front Street, Lincroft, N.J.:

From center of Red Bank - Take West Front Street west 4.9 miles to Unitarian Church on your left.

From GS Parkway north or south - Parkway to exit 109. Follow signs for Lincroft or Route 520 west, Continue 1.3 miles to the center of the village of Lincroft then turn right on Middletown-Lincroft Rd.

Proceed 1.4 miles then left at the light at West Front Street. The Unitarian Church is 0.6 miles on your left.

For information call (732) 872-9644.

## QUOTE OF THE MONTH

**"If you want to see the destruction of this planet, continue doing what you're doing,"**

**Richard Leakey, world famous paleontologist, speaking on global warming**

## CALENDAR OF EVENTS

**Sails on the Adam Hyler - Every Wednesday Eve - 6-8:30  
from the Oyster Point Marina, Red Bank**

### July 2007

Membership Meeting	Sun, Jul 1, 2pm	UUCM Meeting House, Lincroft
Festival Poster Workshop	Sun, Jul 8, 2pm	Charlton's Home, Long Branch
Festival Meeting	Wed, Jul 11, 7:30pm	UUCM Meeting House, Lincroft
Enviro Committee Mtg	Sun, Jul 15, 8:30am	Cobblestones Diner, Eatontown
Board of Directors Meeting	Wed, Jul 25, 7:30pm	UUCM Meeting House, Lincroft

### August 2007

Festival Meeting	Wed, Aug 1, 7:30pm	UUCM Meeting House, Lincroft
Membership Meeting	Sun, Aug 5, 2pm	UUCM Meeting House, Lincroft
Festival Meeting	Wed, Aug 8, 7:30pm	UUCM Meeting House, Lincroft
Festival Meeting	Wed, Aug 15, 7:30pm	Sunset Park, Asbury Park NJ
32nd Annual Clearwater Festival	Sat-Sun, Aug 18-19, 11am-7pm	Sunset Park, Asbury Park NJ
Board of Directors Meeting	Wed, Aug 29, 7:30pm	UUCM Meeting House, Lincroft

Come and be a  
Volunteer *at the*

## 32nd Annual CLEARWATER FESTIVAL!

**August 18th &  
19th 2007**

**Fill out the volunteer  
form on page 3 and  
send it in TODAY !!!**

# Losing Nemo

by Jack Charlton

“All things are connected” – that is one of the bedrock principles of the environmental movement. Hence, it should come as no surprise that global warming will have far reaching consequences affecting all life on earth, often in complex and counter-intuitive ways. Higher temperatures, melting ice, and rising sea levels appear frequently in the news, but we can expect many other changes. This article will consider one of them – the basis of life in our oceans and how global warming is robbing the oceans of their fertility.

Virtually all life on earth – both plant and animal – starts with photosynthesis. This is the process whereby plants extract carbon dioxide from the atmosphere and, with the help of energy from the sun, split the CO2 molecule. Oxygen is released to the atmosphere and the carbon is used to construct the tissue of the plant. Animals then breathe the oxygen and consume the plant tissue. Oceans contain about 90% of earth’s biomass and a substantial percent of all photosynthesis takes place in tiny plants floating near the upper surface of the ocean called phytoplankton.

Plants consume Carbon dioxide. Therefore,

one might expect that plant growth would increase with increasing CO2 levels in the atmosphere. In controlled laboratory experiments this has been observed, leading some to predict that global warming would be self-limiting. They argue that, as CO2 levels increase, plants will grow more rapidly, thereby taking more and more of the excess CO2 out of the atmosphere. Unfortunately, that is not what is being observed.

In order to grow, plants need water, sunlight, carbon dioxide, and also small amounts of various minerals and nutrients. On land, plants obtain the minerals and nutrients from the soil and from animal waste plus decaying dead plants and animals. In the ocean these nutrients all slowly sink to the ocean depths, turning the bottom of the ocean into what might be considered a large, disperse, compost pile. But plants cannot grow among these beneficial nutrients because no sunlight penetrates to ocean depths.

Water in the deep ocean is very cold – around 34 degrees Fahrenheit. Heat rises, which is why the warm surface waters tend to stay on the surface. Mixing with the cold, nutrient-rich, deep water is almost nonexistent

except under special circumstances.

One such circumstance occurs in periods of extreme cold. Surface water temperatures can then be even colder than in the ocean depths, thereby reversing the ocean’s thermal gradient. In addition, seawater may freeze. Since ice crystals exclude the salt, the surrounding water becomes more salty and more dense adding to the tendency for surface waters to sink and deep water to rise. The rising deep sea waters bring with them the nutrients which feed the phytoplankton which, in turn, provide the basis for all ocean life. This explains why the polar regions have been extremely productive of plankton, fish, and whales.

Nine years of satellite data have shown conclusively that marine plant life grows faster and more vigorous in cooler surface water and growth slows as temperatures rise. This provides a double whammy for earth’s inhabitants. As global warming progresses, there will be less ocean plant life to help absorb the excess carbon dioxide, the basic cause of the warming. And oceans will produce less of the plant material – the basic food which supports all creatures great and small.

*The Clearwater Festival is the oldest and largest environmentally oriented festival of the state, and is one of the first to be barrier-free for people with disabilities. The MONMOUTH COUNTY FRIENDS OF CLEARWATER will continue their tradition of delivering the message of environmental concerns and hope to the citizens of New Jersey.*

*The Festival will take place on a beautiful shaded site at Sunset Park, in Asbury Park.*

**Fill out the form below and send in today ! For more information call: 732-872-9644**

## 2007 CLEARWATER FESTIVAL AT ASBURY PARK – VOLUNTEER FORM

Name ..... Age ..... Phone (H) ..... (B) .....

Address ..... City ..... State ..... Zip .....

email address .....

Have you worked the Festival before? ..... Skills you have useful for the Fest. ....

Time available before and after the Fest:  Weekends prior to Fest  Thurs Aug 16TH  Fri Aug 17TH  Mon Aug 20th

FESTIVAL COMMITTEE LIST – Mark in order of your preference (1 most – 10 least) which areas you would like to volunteer for.

ACCESS  CHILDREN’S AREA  CONCESSIONS  CONSTRUCTION  ROADIES  
 HOSPITALITY  PEACEKEEPING  RECYCLING  ENVIRONMENTAL DISPLAYS

Please Check:  I am willing to hang 15 posters in my area.  Please send me Clearwater membership information.

PLEASE RETURN FORM TO: 29th Annual Festival, M.C. Clearwater, P.O. Box 303, Red Bank, N.J. 07701

**Monmouth County  
 Friends of Clearwater’s  
 32nd Annual**

**CLEARWATER  
 FESTIVAL  
 at Asbury Park**

# MCFC Global Warming Initiatives

By Ed Dlugosz

This spring MCFC participated in the planning and execution of a series of six High School Environmental Days that highlighted Global Warming. These Environmental Days were the result of the collaboration of MCFC and COA in a program entitled Student Ocean Advocates (SOA). The SOA, which was comprised of 25 high school students representing their Environmental Clubs, met twice monthly at the Eatontown Community Center to plan ways to motivate other students environmentally at their schools.

The centerpiece of the Environmental Days' evenings at Rumson-Fair Haven, Long Branch, MAST, Henry Hudson Regional, Academy

of Allied Health & Science, and Wall High Schools was the showing of MCFC's donated "An Inconvenient Truth" (AIT) and the post-film discussions led by Ed Dlugosz. Many students were seeing AIT for the first time and all were engrossed so unlike many documentaries shown to students. The post-film discussion leveraged the film's quirky credit roll that identified ways for people to fight GW. Using the MCFC Alternative Energy posters as a backdrop, we discussed ways that the students themselves could help. It looks like we'll be invited back and over ten Students volunteered to work the Festival.

In related news, the following is the latest news from the UN Intergovernmental Panel on Climate Change (IPCC).

## Climate Panel Sees Need for New Steps on Emissions

By ANDREW C. REVKIN

Substantial new efforts will be needed worldwide to stem accelerating growth in greenhouse-gas emissions linked to rising global temperatures, according to a summary of a report being prepared by hundreds of climate scientists and economists working under the auspices of the United Nations.

The summary, which is subject to revision, said that efforts to rein in the billions of tons of annual releases of carbon dioxide and other heat-trapping gases would have to begin soon to limit risks of large changes in the climate and their impact on humans and nature. "Mitigation efforts over the next two to three decades will determine to a large extent the long-term global mean temperature increase and the corresponding climate change impacts that can be avoided," the draft said.

The document will undergo substantial revisions during a week-long meeting starting Monday in Bangkok, said scientists involved in reviewing and writing it, and authors of the report declined to discuss it. Copies of the report's 24-page summary for policy makers have been filtering to environmental groups, one of which provided a copy to The New York Times.

Developing countries, where an unparalleled burst of industrialization and construction is under way, offer some of the biggest opportunities for avoiding climate-warming emissions, the draft said, particularly in choices of power plants and building designs. It said that changes in design standards and materials chosen for construction could trim about 30 percent of projected emissions of heat-trapping gases from buildings by 2020, with more than half of the cuts coming in developing countries. The improvements in buildings could come with a net savings to the economy from lower energy costs, it said.

The report is part of the fourth assessment since 1990 of global warming by the Intergovernmental Panel on Climate Change, created nearly 20 years ago to assess evidence that human activities

were affecting climate and to review policy options. In its latest climate review, released in February, the panel concluded with near certainty that smokestack and tailpipe emissions of carbon dioxide and other gases were the dominant cause of recent warming. A second report, released this month, said that ecosystems and climate patterns were already shifting as a result of the warming trend and that substantial risks to people, wildlife and coasts lay ahead.

The new report will probably be contentious when it is reviewed in Bangkok by officials from more than 100 countries. Governments have the right to seek some changes. Clashes are likely, in part because this report touches most deeply both on domestic debates over climate, like the tussle in the United States over the need for a bill restricting gas emissions, and the fate of international climate agreements, particularly the Kyoto Protocol.

**Note:** *The Intergovernmental Panel on Climate Change (IPCC) has been established by WMO and UNEP to assess scientific, technical and socio-economic information relevant for the understanding of climate change, its potential impacts and options for adaptation and mitigation. It is currently finalizing its Fourth Assessment Report "Climate Change 2007", also referred to as AR4. The reports by the three Working Groups provide a comprehensive and up-to-date assessment of the current state of knowledge on climate change. The Synthesis Report integrates the information around six topic areas.*

Key links to the IPCC reports can be found at:

AR1 [http://www.ipcc.ch/WG1\\_SPM\\_17Apr07.pdf](http://www.ipcc.ch/WG1_SPM_17Apr07.pdf)

AR2 <http://www.ipcc.ch/SPM13apr07.pdf>

AR3 Outline <http://www.ipcc.ch/activity/wg3outlines.pdf>

Home page: <http://www.ipcc.ch/>

# Traveling Environmental Festival Flourishes

By Ed Dlugosz

Our Traveling Environmental Festival (TEF) plate has flourished and grown thanks to our TEF coordinator George Moffatt and our volunteers. George had sent out letters to 30 Monmouth County mayors touting TEF and asking them to use their leverage with the schools and funding sources to bring this wonderful environmental education tool to their districts. More than four mayors have responded. **MCFC has brought TEF in its various forms to the following venues this season:**

- Keansburg Father Time Environmental Festival, Jan 27.
- Neptune Unity Church by the Shore, Feb 12
- West Long Brance GSA Global Warming Day, Apr 15
- St. Mary RCC Environmental Expo, Apr 29
- NJEF Conference, Apr 14
- Oceanport Maple Place, May 10
- Hazlet Awareness Day, May 15
- Marine Science Consortium Ocean 2007 Fun Days, May 20 (Cancelled)

- Keyport Central Middle School, May 22
- Oceanport Wolf Hill Schools, May 23

## Scheduled Summer and Fall TEF Events:

- Asbury Park Summer Camp Program
- Highlands school systems
- Eatontown Public Schools
- Red Bank Public Schools
- Keyport Central School
- Atlantic Highlands Public Schools
- Union Beach Public Schools

As witnessed at our spring events, trained volunteers are desperately needed to keep these programs staffed and viable. TEF training will be held shortly after our annual Festival or write George gmoffatt@aol.com or myself edlugosz@comcast.net for further details.

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## Garvey Report, 6-13-07

by Tom Gibson

Our Tuckerton Sailing Garvey, the "Adam Hyler", is on the trailer and ready to sail. It awaits a launch arrangement, some paper work, and that is about it. Our final work party planned for this Saturday, June 16, will load its stuff: sticks, life jackets, anchor, sails, and other miscellaneous materials.

This spring's fitout was rather ambitious, and that is why we are launching in mid-june instead of late May. Here is what we did.

- \* Wooded down (removed all paint) from the side decks, and layed up (painted) new paint. This gets rid of a rather ugly deck appearance.
- \* New forward deck
- \* New sampson post forward
- \* repaired rub rails
- \* several seams have new caulking, the rest seem quite tight
- \* other small deck repairs

\* other minor items I have already forgotten

That list is longer than usual, but the boat is probably now in better shape and its appearance much finer than in recent years.

Our work party turnout this year was amazing. We usually had three to five folks, but three weeks ago we had eight. And work they did. That plus good weather on Saturdays is why we are only a couple of weeks late despite the rather long list of improvements.

We plan our "clearwater sail" program to be on Wednesday evenings through the summer, 6 pm, at the Oyster Point Marina dock, foot of Bodman Place, Red Bank. Anyone who shows up at that time gets a free sail. The boat is small. Don't bring a whole cub or boy or girl scout troop. Come in onesees-twosees or even threesees. No reservations. Just show up.

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## Clean Energy Animation from New Member

By Ed Dlugosz

In April, I received an email from a young lady, Christine Odegaard, from Middletown, NJ who was looking to join Monmouth County Friends of Clearwater (MCFC) but felt that she couldn't until her finances were better. She also wanted to know, "Do you know if there are any limitations for putting up personal wind turbines? My friends and I are thinking about starting a new trend! :)" Additionally, she offered me a glimpse of the project she had created. She has created a wonderful short, 30 second animation that

I think you will all enjoy by clicking: <http://www.youtube.com/watch?v=IV8yzBLiYoY>  
She added, "I tried to think of clean alternative renewable resources that are available and in use today (wind/solar/hydro). The problem is that people don't realize how available they are—and that they not only will they see immediate impact on their wallet and bills—but more importantly, they will be creating a solution to our global warming/pollution problem. I tried to make it as

streamlined as possible. I figured visually appealing will catch attention and get people to visit [www.smartpower.org](http://www.smartpower.org) for more info. I wanted it to look like a child could have made it—and I used a child's voice—because I feel it's important to work now to save the earth before it is too far gone. It just amazes me how much damage we have done in 100 years—and that my grandchildren (if I ever have any) may never know the earth as we know it now."

Now you can find us on the WEB: [www.mclearwater.org](http://www.mclearwater.org)  
**CLEARWATER HOTLINE 732-872-9644**  
**For the Latest Clearwater News:**

**DATED MATERIAL**

P.O. Box 303 • Red Bank NJ, 07701  
**CLEARWATER, Inc.**  
*Monmouth County Friends of*

**We include a membership application to our "mother" organization: Hudson River Sloop Clearwater (on the right). We welcome readers of "Solutions" to not only join Monmouth County Friends of Clearwater (below) - but to also sign-up to be a member of Hudson River Sloop Clearwater!**

**Yes, I want to help Clearwater in its efforts to reclaim and protect the Hudson River.**

I am joining Clearwater     I am renewing

<input type="checkbox"/> INDIVIDUAL	\$35	<input type="checkbox"/> MARINER	\$500
<input type="checkbox"/> FAMILY	\$50	<input type="checkbox"/> SAILING MASTER	\$1,000
<input type="checkbox"/> CONTRIBUTOR	\$100	<input type="checkbox"/> BENEFACTOR	\$5,000
<input type="checkbox"/> SPONSOR	\$200	<input type="checkbox"/> STUDENT/LIMITED INCOME	\$15

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY/STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE \_\_\_\_\_

EMAIL \_\_\_\_\_

I am enclosing a check or money order payable to Clearwater.

Please charge my Visa, MC, Discover, or Amex.

Please charge my credit card at \$\_\_\_\_\_ for 12 months for a total of \$\_\_\_\_\_.

Acct. # \_\_\_\_\_ Exp. Date \_\_\_\_/\_\_\_\_

Signature \_\_\_\_\_

**Send me more information about:**

- Volunteering     Revival 2000
- Member Sails     Education Programs
- Advocacy     Sloop Clubs

All membership contributions re tax-deductible with the exception of \$3.00 for a year's subscription to the Clearwater Navigator.

**Send the Hudson River Sloop Clearwater Application (ABOVE) to:  
 HRSC, 112 Little Market Street, Poughkeepsie, NY 12601**

## MEMBERSHIP APPLICATION

Please accept my membership application, so that I can help Clearwater in its efforts to clean up our environment and spread the important message of environmental health and protection.

- Individual \$25     Family \$35     Low Income/Senior Citizen/Student \$10
- Lifetime-Family \$400     Sponsor \$100
- Lifetime-Individual \$250     Contributing \$50
- I am not yet a member, but would like to contribute to this worthy cause.

My tax-deductible donation is \$ .....

Please tell us your areas of interest/expertise and why you are joining: .....

your e-mail address .....

Name ..... Phone ..... Date .....

Address ..... City ..... State ..... Zip .....

## Monmouth County Friends of Clearwater

**Check items you would like to get involved with:**

- Environment     Grant writing
- Boats     Publicity
- Field Trips     Membership
- Festival     Newsletter
- Finance     other \_\_\_\_\_
- Computers
- Fund-raisers

