



CLEARWATER

Navigator

NOVEMBER / DECEMBER 2004

DON'T MISS OUR
HOLIDAY CATALOG
INSIDE ON PAGES 4 & 5

HUDSON RIVER REPORT CARD

ATLANTIC STURGEON IN THE HUDSON

SOME RECOVERY, BUT NUMBERS REMAIN LOW

The Hudson's shortnose sturgeon (*Acipenser brevirostrum*) is a federally-listed endangered species, and you'd think that it would be the most compelling story of the river's most charismatic fish family. But you'd be wrong. When I gave DEC scientists Kathy Hattala and Gregg Kenney a chance to talk sturgeon for the Navigator, the story was all about Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus* – and no, it's not a typo).

The largest of all the Hudson's fishes, the Atlantic sturgeon can grow to more than twelve feet in length, and live more than 100 years. They have a cartilaginous skeleton and are covered with bony plates called scutes. They feed from the bottom on worms, mollusks and crustaceans. Their mouths are part catfish, with sensory barbels dangling beneath their chins, and part sucker, with protruding toothless round lips on the bottoms of their snouts. They've been around since the Jurassic era, and have survived as a family for more than 120 million years.



Linda Richards

their lowest levels ever recorded. New studies being conducted by the Estuary Management Program scientists are aimed at finally getting to the population dynamics of this wonderful animal. The key lies in determining the ages of the fish. Only by understanding the distribution of different year classes can scientists measure the impact of the moratorium, and begin to build knowledge about the other variables that may be influencing population cycles, such as overfishing, habitat loss, pollution and rising water temperatures. As scientists begin to measure the successes and failures of different spawning years, they can better understand the relationships between reproductive success and the environmental variables. This, in turn, can lead to a more effective management plan.

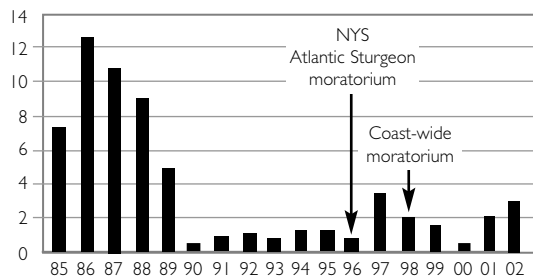
Sturgeon are remarkably difficult to age, however. Most of the reliable methods require killing the fish. Today Hattala and her colleagues are taking "spine clips" – tiny cross-sections of the bony spine at the leading edge of the animal's pectoral fin. The sample is then dried and epoxied, and under a microscope the rings can be counted like the rings of a tree. The fish rapidly recovers.

They are also placing sonar tags on many captured wild fish and newly-released hatchery fish bred from Hudson River stock. Each tagged fish has its own unique signature, and can be followed by boat-mounted hydrophones or sonar buoys that remain submerged for weeks at a time and record data on memory cards similar to those in digital cameras. By knowing the ages of fish, and by tracking their movements, the scientists can situate their data in the context of remarkably-detailed river-bottom habitat maps (those of you who were at the Annual Gathering will know what I'm talking about...) and begin to build defensible management practices that will hopefully allow the Atlantic sturgeon to recover and thrive.

- Andy Mele
Executive Director

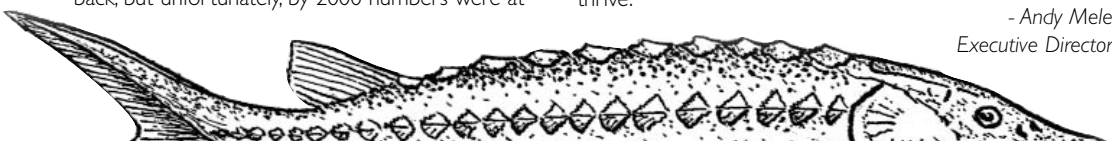
Sturgeon Numbers Declining

Utilities Beam Trawl Sturgeon Survey (fish caught per trawl)



Now, after all that time – all those glaciers, meteors and volcanoes – we've almost fished the sturgeon out of existence in a few short decades. Concerned about the crashing population of Atlantic Sturgeon (see graph), in 1996 Governor Pataki took the recommendations of DEC staff in the Fisheries Unit and the Estuary Management Program, declaring a moratorium on fishing for the species on the Hudson, and then began urging New Jersey to do the same. Other states soon followed, and by 1998 there was, and remains, a coastwide ban on taking Atlantic sturgeon thanks to New York's leadership. Without question, it is this action that has saved the species, buying time for a restoration plan to be developed.

After 1996, the Atlantic sturgeon seemed to bounce back, but unfortunately, by 2000 numbers were at





Jane Marcy

Thank you first to departing board members Kate Herman and Karl Coplan. The good counsel of both these members will be very much missed.

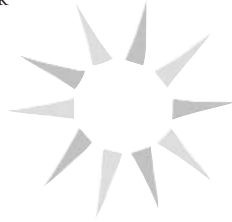
It wasn't just the great weather that made Festival 2004 so re-markable. Thank you Ron, Pam, Judy, Amy, KC, Dar,

Susan, and the hundreds of member-volunteers. See ya'll next year, June 18th and 19th, 2005.

Thank you Amy, Manna, Bowser, Linda, Lee, Judy and everyone who pitched in while Andy and I were both in medical dry dock.

Thank you Samantha, Scott and the crew for keeping our sloop pumped out and making hull repairs in time for a successful fall season, including our acclaimed pilot project Community River Days in Poughkeepsie. Manna's Round-table rocked!

Welcome to new board members Kitama Jackson, David Church, Ann Davis, John Hall, Eric Marshall, and Susan Shapiro. Much is expected of every board member to raise funds for Clearwater and set priorities for our ongoing mission



from the board president

to educate students and teachers, and to research, protect, and celebrate our wonderful river aboard America's Environmental Flagship.

Thank all of you who took the time to vote and attend the Annual Gathering. Fran Dunwell's slides, MotherLode Trio, and a sail made a full day.

This coming year I want to hear from as many of you as possible and raise everyone's level of participation in maintaining our sloop. We pledged to get the diesel engine converted to biodiesel during winter haul out and it just makes sense to replace the sagging foredeck at the same time. We need new friends to help with this. Clearwater will winter at Scarano's Shipyard in Albany. This is a wonderful opportunity for our northern friends and sloop clubs to visit and volunteer.

Fair winds, fine friends, fun tunes,

Annie Osborn

COMMUNITY RIVER DAYS...

This year, with a generous grant from The Dyson Foundation, Clearwater launched Community River Days in Poughkeepsie. A free Sunday concert kicked off a week of activities. The sloop was dockside for school programs and there were Classroom of the Waves sails for local schools and organizations. There were leadership training sails for older youth and Clearwater environmental education activities at the Hudson River Arts Festival.



CRD photos by Marlis Member

CRD Riverfront Roundtable Panel, Sept. 17, 2004, Marist College:
Stephen Wing, Corporation Counsel for the City of Poughkeepsie, presents. Panelists L to R include: Harvey Flad, PhD, Vassar College; Ann Davis, PhD, Marist College; Joseph Bonura, Jr., Poughkeepsie Waterfront Development, LLC; Jeffrey Anzevino, AICP, Scenic Hudson; Andy Mele, Clearwater Executive Director.



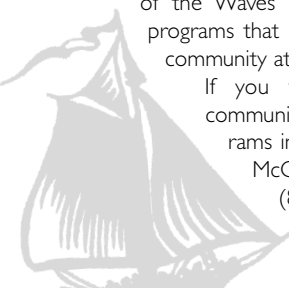
CRD Riverfront Ribbon Cutting, September 13, 2004:

L to R: Charlie North, President, Poughkeepsie Area Chamber of Commerce; Penny Lewis, Poughkeepsie City Council; John Lawrence, Poughkeepsie City Council; Diana Gurieva, Executive VP, The Dyson Foundation; Poughkeepsie Mayor Nancy Cozean; Executive Director, Andy Mele; CW Board Member, Sarah Underhill.

To gather input about how we can better serve the Dutchess County area, Clearwater hosted two roundtable events, one for educators, and a second for planners, developers and local officials to discuss the future of the Poughkeepsie waterfront. The business community also joined us onboard the sloop and heard how their support could help us broaden outreach and serve more people in the region. The City of Poughkeepsie, Poughkeepsie Area Chamber of Commerce, Marist College and local businesses all helped support the week's events.

"Eventually we hope to hold Community River Days up and down the river," says Clearwater Executive Director Andy Mele. "First, our challenge is to build local support for Classroom of the Waves sails for schools and for adult programs that address local needs as well, one community at a time."

If you would like to help develop community support for Clearwater programs in your town, please contact Kitty McCullough, kitty@clearwater.org or (845) 454-7673 ext. 118.



...COMING TO A DOCK NEAR YOU!

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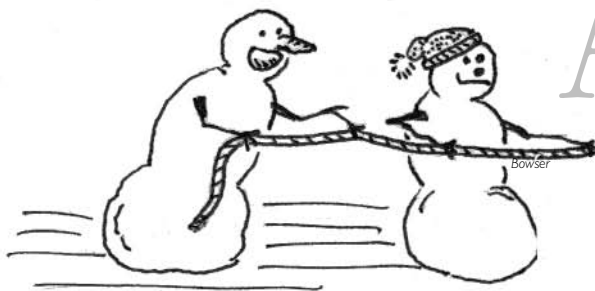
NOVEMBER/DECEMBER 2004

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Executive Director Andre Mele
Managing Editors Linda Richards & Elizabeth Barrett
Copy Editor/Proofreader Kitty McCullough
Navigator Designer Rebecca Ziilnski

printed on recycled paper

A SLOOP FOR ALL SEASONS



When you're sailing on the river, there is (almost) no such thing as bad weather. Neither rain, nor snow, nor sleet will stop you, as long as you have good foul-weather gear to keep you dry.

A sweltering July day without a breath of wind might be considered bad weather. Above you, the beautiful sail is stretched invitingly, yet no breeze appears to take it waltzing. Yet, even such a day can't be considered bad weather if you can shed most of your clothes, and maybe slosh a pail of water over you occasionally or, in some parts of the river and in most of the Long Island Sound, lower yourself upside down to drink once in a while.

Fog? I'll admit most sailors consider fog bad weather, especially if they must get somewhere without delay. But when you are sailing under no orders but your own, fog can be one of the world's magical experiences. On the river, pull off to the side, out of the channel, anchor if necessary. Enjoy the suspense and the fantastic visual quality of the scene. Listen to the distant horns, bells. In the old days the big boats would feel their way from buoy to buoy, blind as politicians, but now they have radar. If your sailboat doesn't have a big piece of metal on it – even an aluminum mast – you better hang aloft some aluminum foil or tin cans so they'll see you on their screens.

But cold rainy weather is great, as long as you have on lots of wool covered by foul-weather gear to keep it dry. Dressed well, you can face the winter winds and do some of the greatest sailing of your life.

In 1974, I realized that I had crewed on *Clearwater* in spring, summer and fall, but never in winter, so I applied to the Poughkeepsie office for a berth on the last week of the season from New York to Mystic. None aboard will ever forget that sail. On Monday, December 2, Captain Frank Fulchiero got us up at 6:45. We pushed off from South Street Seaport's Pier 16 at 7:30. A west wind and a strong flood tide whizzed us up the East River and through Hellgate. The wind increased, veered to Northwest. Off City Island, we had to put double reefs in the sails, and then took off again.

What a sail! It was one broad reach on a port tack all the way to Mystic. Double-reefed, we traveled at hull speed most of the time, and got through the Mystic drawbridge just before the bridgekeeper went off duty for the night at 8 p.m. 120 miles in 12 hours – one of the greatest sails I ever expect to make.



April 8, 2003. Snow covers the deck of the *Clearwater* while docked at Poughkeepsie.

Five staff members from Mystic had come to take the sail with us, and they stood at the tiller even when their watch was over, glorying in the sight of the 100-ton *Clearwater* plunging on, plowing Long Island Sound, making acres of foam, bowsprit occasionally dipping under, then heaving skyward. And with the wind in the stern quarter, we didn't even get spray in our faces.

Now I'd like to enlist some readers in a subversive campaign to persuade the Captain and Board of Directors to extend the season another month next year. Ice won't form on the river 'til well after New Year's. How about a Christmas Tree sail or some firewood sails? Who would like to work on it? Get your foul-weather gear ready: long Johns, sweaters, woolen socks, mufflers. When you're sailing, there's no such thing as bad weather. Almost.



Clearwater

CDs:

CW Live

A compilation of highlights from Revival 2000. Enjoy great performances from Dar Williams, John Hall, Holly Near, and more! **\$15**

Where Have

All The Flowers Gone

This double CD set features more of your favorite artists singing the songs of Pete Seeger than any other. With Bruce Springsteen & Bonnie Raitt. **\$25**

The Songs of Pete Seeger, Vol. 2

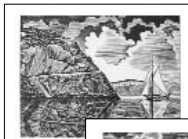
This is our only single disk that features Pete Seeger singing his classic songs with friends like Jackson Browne and Joan Baez. From *If I Had A Hammer* to *Well May the World Go*, this classic CD has all your favorites. **\$15**

Seeds Vol. 3: Pete Seeger & Friends

This new 2 disk CD features both Pete Seeger collaborating with Ani DiFranco and Arlo Guthrie, and Pete's songs sung by artists like Pat Humphries and Natalie Merchant. **\$25**

Clearwater I & II

(not pictured) Clearwater's original crew and volunteers sing chanteys, sailing songs and more. Each album includes fifteen selections still sung on the sloop today, such as: "Sailing Up, Sailing Down" and "My Dirty Stream". **\$10/ea, \$15/both.**



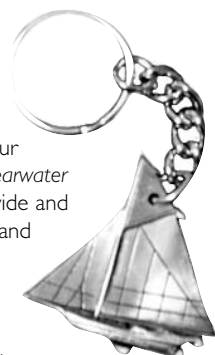
Woodcut Notecards

Artist Vic Schwartz donated six designs for Clearwater note paper (recycled, of course!)

These beautiful wood engraving prints depict authentic scenes along the Hudson River, with four including our *Clearwater*. Pack of six designs with matching envelopes. **\$10**

Sloop Pewter Pin, Pendant and Keychain

Add a touch of class with Clearwater's pewter sloop pin and pendant. These simple hand cast pewter sloops include our signature starburst and have the word *Clearwater* engraved on them. Key chains are 1.5in wide and 1.5in tall. Pins and pendants are 1in wide and 1in tall. **Pin \$8, Pendant \$9, Keychain \$10**



Fish Pens

A lure company in New Zealand makes these adorable novelty pens. In addition to being realistic and colorful, these high quality refillable pens will last for years. Available in Green, Aqua, "Salmon" (as in resembling, not pink), Gold, and glow-in-the-dark skeleton. **\$10**



Sloop Clearwater Notecards

This beautiful full color card shows the sloop clearwater sailing in the river. **Package of Eight \$10; Single Sloop Card \$1.50**



New! Travel Mug

If you like our pewter pins and pendants, you will love our new stainless travel mug. Set on to the mug is a pewter emblem of the sloop *Clearwater*. **Royal Blue and Bright Green. \$20**



Clearwater Nalgene Bottle

Our Clearwater Nalgene Bottles have all of the advantages of a classic 32 oz sports bottle plus educational information on your favorite Hudson River Creatures. *Sapphire, Sage and Classic Grey. \$12*

Holiday Catalog

Last Year's Favorite...



Fleece Vest!

After selling out last year, our men's and women's fleece vests are back! These thin micro-fleece vests are warm worn alone or make convenient layers. Made in the USA by Colorado Trading and Clothing. Navy. Women's Sizes: S M L XL Men's Sizes: S M L XL **\$45**



Bib

Our brand new baby bib is an adorable stocking stuffer. Made of 100% organic cotton, sewn and grown by a collective in Egypt. Embroidered on our bib are the words "Future Clearwater Crew" Natural, One Size **\$8**

New! Scarf, Cap & Blanket

Our fleece blanket comes with a travel strap and a new Clearwater embroidered logo (60 x 80) (Cool, Hunter Green). **\$40** Our soft scarf is a stylish way to stay warm, also with an embroidered Clearwater logo (Sage). **\$20** Our fleece cap is perfect for skiing or just running errands. (Black) **\$18**



Kid's Tees

Now back in stock! These T-shirts are a bright bold way to show your support for the sloop Clearwater. XXS is appropriate for a small toddler, while M and L provide a smaller fit than our adult T's. For teens or adults. Oasis Blue, Scarlet, Phosphorus **\$15**

Baby Onesie

By popular request! Perfect for a Clearwater baby, this 100% organic cotton onesie is sewn and grown in Egypt. Our onesie has a three snap bottom and is available in 6m, 12m and 24m sizes. Natural. **\$13**



Visor

New Design! Our new Albany to NYC design was a huge hit at Revival. Sage, Navy. One size fits all **\$18**

Visit us online at www.clearwater.org for a complete selection!

Address

Name _____

Street* _____

City _____ State _____ Zip _____

Daytime Phone _____

Payment (Please choose a payment option)

Check payable to Clearwater Check Number _____

Credit Card (circle) MC Visa Discover Amex

CC# _____ Exp Date _____

Signature _____

* no PO Boxes please

Shipping & Handling

\$6 up to \$20
 \$8 \$20.01-\$50
 \$10 \$50.01-\$75
 \$12 \$75.01-\$100

Please call (845) 454-7673 ext. 101 for orders over \$100.

| QTY | DESCRIPTION | PRICE EACH | TOTAL |
|-----|-------------|------------|-------|
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If you would like to have your order sent as a gift, please include packing and shipping instructions. We can include a woodcut gift card and sentiment for an additional \$2. Holiday delivery is only guaranteed on orders placed by December 17th.

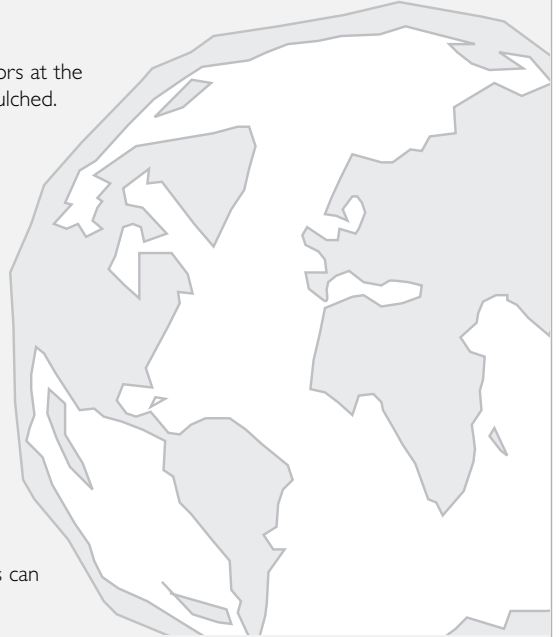
-10% member discount
 S & H (see chart)
 NY residents tax
TOTAL ENCLOSED

order form



HAVE A GREEN HOLIDAY!

- Adopt an evergreen for your holiday tree. Select a live tree, roots intact. Come spring let it acclimate, then plant it in your yard to enjoy for years to come.
- Trim a tree already growing in your yard.
- If you select a cut tree, create a bird sanctuary by placing it outdoors at the edge of your yard as a shelter until spring when it can easily be mulched.
- Call your municipality to find out when and where they accept Christmas trees for grinding.
- To assure your tree can be shredded easily, avoid single-use disposable decorations such as tinsel, angel hair or spray snow. Tinsel must be removed before grinding.
- Choose an artificial tree that can be reused each year.
- Choose reusable decorations, or use edible or degradable garlands made of popcorn and cranberries.
- Protect holiday packages during shipping by using crumpled newspaper or popcorn rather than styrene foam peanuts.
- Recycle foam packing chips, other packing materials and gift wrap that you receive with presents. Check the yellow pages for "Packaging Services" – many are glad to receive peanuts and boxes for reuse.
- Cardboard boxes, wrapping paper and most holiday greeting cards can be recycled unless they are embossed with foil.



CLEARWATER CALENDAR



NOVEMBER 13

Walkabout Clearwater Coffeehouse
 How to Beat the Blacklist: An Evening with Fred Hellerman and Pete Seeger with Work o' the Weavers. Informal Teachabout with the Walkabout Clearwater Chorus. A portion of proceeds benefit Clearwater Katonah, NY, 7:30pm. (914) 242-0374.

DECEMBER 11

Walkabout Clearwater Coffeehouse
 A Tribes' Hill Solstice
 (see above for contact info)

JANUARY 8

Walkabout Clearwater Coffeehouse
 Magpie and Kim & Reggie Harris
 (see above for contact info)



Clearwater Holiday Wish List

For the office:

- Color laser printer
- Telephone headsets for main office staff
- Landscaping at Clearwater's office in historic Fite House
- Meeting chairs for our donated mahogany conference table
- Filing cabinets
- Storage shed for the backyard
- Roof repairs for the front porch
- Handyman services
- Electrical repairs

For the crew:

- Washer and dryer
- Plumbing to install washer & dryer
- Worm drive circular saw
- Router 1-3+ hp and bits
- Rechargeable tools (14 volt)
- Caulking supplies
- Wooden mallets
- Box wrenches (complete sets)
- Socket sets (complete sets)
- Sledge hammers
- Impact sockets
- Fine woodworking tools
- Medium or small wood stove



HUDSON RIVER DIGEST

YOUNG WOMEN AT THE HELM PROVIDES STEP UP ▶

This past August, twenty-three young women from urban neighborhoods in Poughkeepsie, Yonkers and the New York metropolitan area converged at West Point to embark on a 3 day northward journey up the Hudson onboard *Clearwater* for the 2004 Young Women at the Helm program.

After getting their bearings, participants joined a "watch" where they honed their skills at trawling, docking, or navigating, and prepared to perform a chosen task solo on the last day of the program. At night we stayed ashore, exploring Bowdoin Park and Esopus Meadows. Students challenged themselves mentally and physically, delving into the ecology and history of the Hudson River estuary.

Does a longer program have special impact? Ask Stephanie, who came back a week later to live and work aboard for two weeks as an Urban Outreach Intern. She's already sent her apprentice application for next summer off to Captain Sam, and she hopes to be Education Intern during summer breaks from college later on. Stephanie is one of many students who return to work as part of the crew – Clearwater's Ladder of Leadership in action!

WACKY BOAT RACES ▼

On July 10, Rockland Friends of Clearwater sponsored a revival of the Nyack "Wacky Boat Races" of the early 1990s. Wacky Boat Race 2004's mission was to raise funds to



Lucinda Richards

support Clearwater's efforts to promote a cleaner Hudson River and to encourage enjoyment and appreciation of the river. Half of the proceeds were donated to Clearwater's environmental education programs.

Entries ranged from Brittany Spear the Shark, featuring a life-sized, bikini-clad papier mache water skier followed by a shark, to Train Wreck – three connected vessels decorated as trains.

For more Wacky Boat Race information, contact wackyboat_04@hotmail.com, rocclear@hotmail.com or Rockland Friends of Clearwater, PO Box 516, Nyack, NY 10960.

RIVER SWIM TO BENEFIT RIVER POOL

September 5, Newburgh – 63 hardy folk swam from Newburgh to Beacon to raise close to \$10,000 for River Pool at Beacon, Inc. River Pool, Inc. is a newly formed group that plans to construct and open a 20-foot-diameter prototype floating swimming pool in the Hudson River near Beacon's Riverfront Park by next summer. The prototype will ensure that the design works properly and that the pool avoids negative side effects such as entrapping fish. If all goes well, a full-size pool could be built by 2007.

To contribute or learn more about River Pool and their Nov. 14th annual meeting, visit www.riverpool.org.



Lyn Borek

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

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

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

Please charge my Visa MC Discover AmEx

ACCT NO _____ EXP _____

SIGNATURE _____

(Note: You can also join Clearwater online at www.clearwater.org)

NAME _____

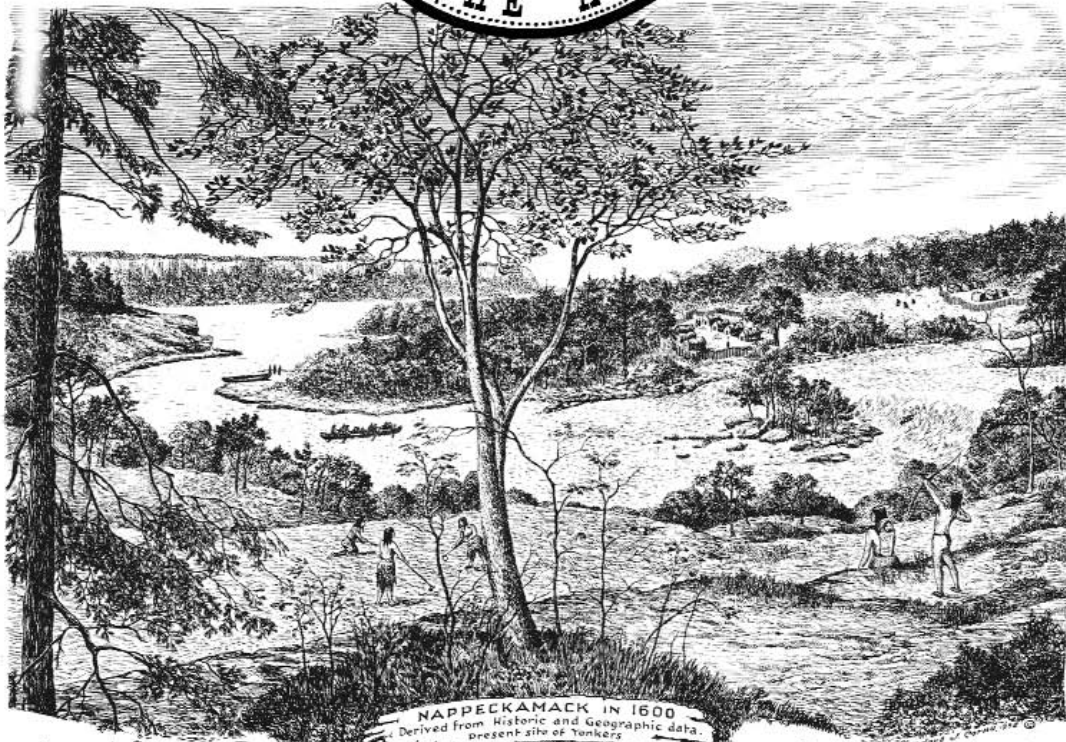
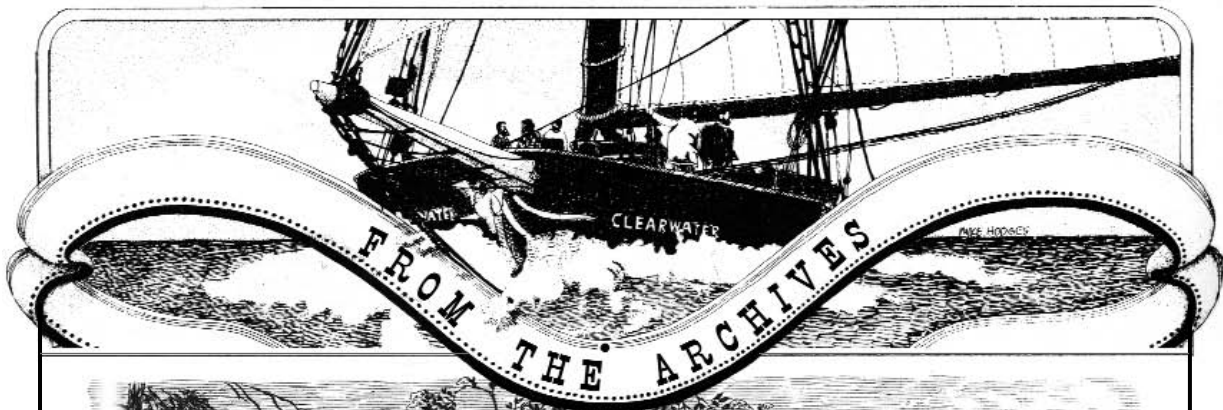
ADDRESS _____

CITY/STATE _____ ZIP _____

E-MAIL _____

PHONE _____

All membership contributions are tax-deductible.



Present Site
of
City of Yonkers

NAPPECKAMACK IN 1600
Derived from Historic and Geographic data.
present site of Yonkers

Nape-chamack
(Nappeckamaeko)

means
Rapid Water
Settlement

The Village of Napeckamack

was once one of the native Algonquin Lenape tribe's main villages. The land where Napeckamack once stood is the site of the city that we call Yonkers today. The area was protected both by large trees and the landscape of the river. Napeckamack, which means *rapid water*, or *fertile water settlement*, was rich in fish and hard clay oyster beds. In addition to the food they were able to gather from the river, the Lenapes grew pumpkins, squash, corn, and sunflowers to get through the cold winters. This 1954 illustration is by Hudson Valley poet and artist Theodore J. Cornu.



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