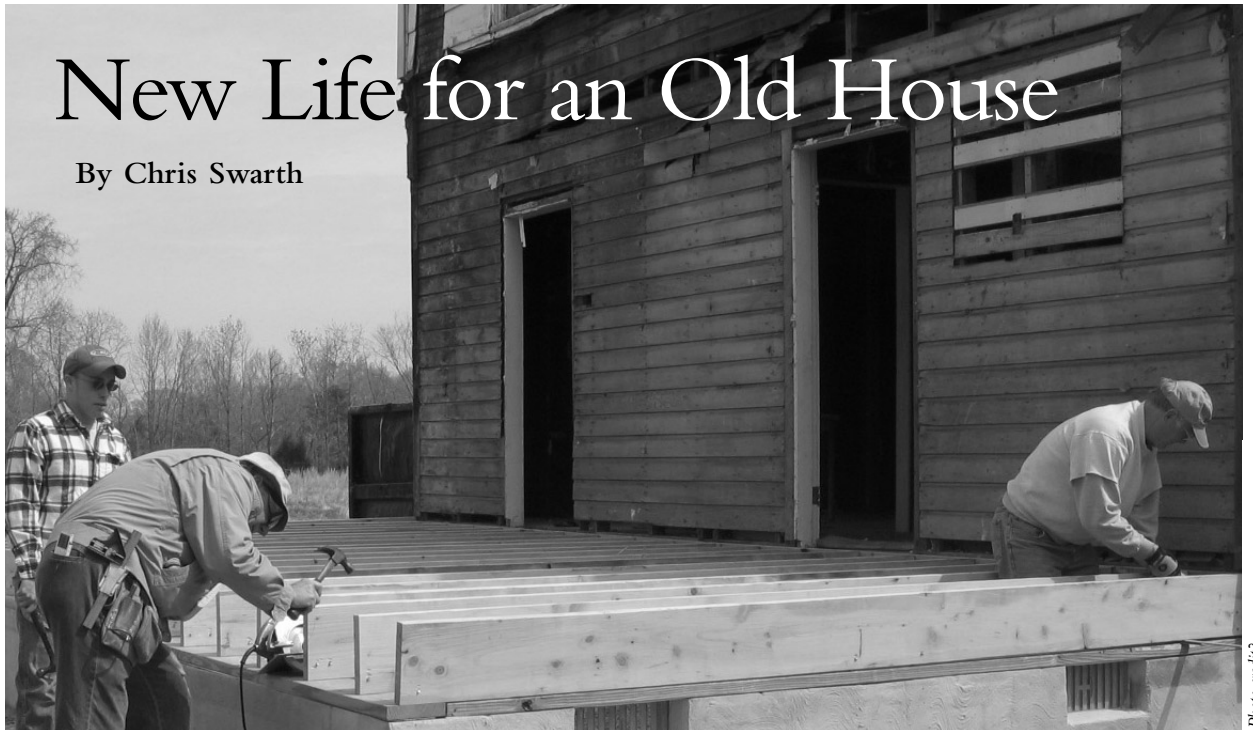


New Life for an Old House

By Chris Swarth



Mickey Taylor (center with power saw) works with volunteers Will Franklin (left) and Sandy Teliak to build a floor over the new lunchroom foundation of Plummer House.

By the late summer, Plummer House at the Glendening Preserve should be open to volunteers and to the public. You ask, “What is Plummer House?” It’s the old white farmhouse in the “Plummer’s Corner” area of the Preserve near Route 4. The house is undergoing renovations that will convert it to a public contact center, and into offices for CBNERR (Chesapeake National Estuarine Research Reserve), Sanctuary staff, and volunteers. In addition to three offices, the two-story house has a “living room” area to greet visitors and a lunchroom for meals and meetings. For the first time since 2001, when the state acquired this land and turned over management to the County, visitors will have access to restrooms and drinking fountains. Plummer House will be a comfortable, friendly space from which visitors can learn about the Sanctuary and the Estuarine Research Reserve, participate in volunteer and education activities, and orient themselves to the many hiking trails in the Preserve. We’ll now be able to allow full public access to this beautiful area.

When the County acquired the 600-acre Glendening Preserve from the state in 2001, we inherited

three tobacco barns, 20 ramshackle horse sheds, and the two-story house. One of the old barns and all the horse sheds were eventually removed, but the house had promise. Everyone remarked that it would make a great house for interns. For almost a decade, the old intern house near the water’s edge at River Farm served as a dormitory for the many college students who worked as interns at the sanctuary. Safety became a concern when floors began sagging, and in 2005, the house was demolished.

The County could not provide funds to build a new intern house or to even renovate an existing house. But Robert Finton, program manager of CBNERR, knew how important our intern program was to the success of the Sanctuary. We, along with the Friends of Jug Bay, had our eye on Plummer House. One Friday afternoon Bob called excitedly. “We need to get a proposal to NOAA this afternoon. There’s a chance we can get some money to renovate the Plummer House.” In two hours we sent a proposal out the door to NOAA. And a month later NOAA announced they would provide \$85,000! The county promised to chip in the remainder of the funds needed, and last winter the workmen began the renovations. Bob passed away before he could see the fruits of his labor realized, but it was his fast action that got the ball rolling. Unfortunately, we learned later that county building codes would not allow us to use this house for intern dorms. But the other objectives will be met when the renovations are complete.

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Jug Bay Wetlands Sanctuary
 1361 Wrighton Road
 Lothian, MD 20711
 410-741-9330
 e-mail: info@jugbay.org

Jug Bay Home page:
www.jugbay.org

Jug Bay Wetlands Sanctuary is operated by the Anne Arundel County Department of Recreation and Parks. It was established in 1985 with the goals of wetlands research and environmental education. The Sanctuary is a limited-use park. Visitors are requested to make a reservation by calling the office before planning a visit.

Jug Bay Wetlands Sanctuary is a member of the Chesapeake Bay - National Estuarine Research Reserve system, which promotes scientific research, public education, resource management and stewardship in estuarine reserves across the nation.

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 Elaine Friebele, Naturalist
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 Jean Manganello, Office Manager
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Jeff Shenot, President
 Al Tucker, Vice President
 Betty Chaney, Secretary
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BOARD OF DIRECTORS:

Sandy Barnett, Susan Blackstone, Joe Browder, Judy Burke, David Davis, Jim Harle, Amy Hazell, Dotty Mumford, Susan Nugent, Bill Steiner, Sandy Teliak

Marsh Notes is produced quarterly by Jug Bay Wetlands Sanctuary. Comments and suggestions are welcome.

Editor: Elaine Friebele
 Graphic Design: Liz Fisher, Gرافix Galore in Easton, MD, 410-822-6305

This newsletter is printed on recycled paper.

Continued from page 1

Top: Karyn Molines, Lindsay Hollister, and Sandy Teliak raise the wall of the Plummer House lunch room.

Bottom: Mickey (top) confers with Sandy, while Lindsay enjoys the view from the new window.



While reviewing plans for the renovation, the Department of Parks and Recreation determined that the house's original kitchen stood on a poor foundation and had to be demolished. But retired contractor Mickey Taylor came to the rescue. Knowing how important it was to have a lunchroom, he met with department staff and convinced them to let him build it back again. Mickey designed the layout, and with a group of six volunteers (and a few staff) working almost daily, he rebuilt the lunchroom—from the ground up to the roof trusses. In three weeks, they had the entire room framed and completely closed in with plywood. If not for Mickey's hard work and commitment, the Plummer House would be much diminished in size and in usefulness. Hats off to Mickey and his helpers!



County Executive Acts to Save Galloway Creek Watershed

In a bold and surprising move, Anne Arundel County Executive John R. Leopold submitted a supplemental budget request to the County Council to acquire the 30-acre forested parcel just north of Route 4 that was to be developed for a shopping center. The parcel encompasses land that drains into Galloway Creek, which flows through the Glendening Nature Preserve to the Patuxent River. Plans by Annapolis developer Petrie Ross Ventures to build a 260,000-square-foot shopping center anchored by a Target store drew opposition from local community organizations and the Friends of Jug Bay. Hundreds of people expressed their concern that large volumes of stormwater runoff would damage the creek and that increased traffic and congestion would change the area's rural character. At the end of May, the county council voted to use funds from the state's Program Open Space program to buy the land from Petrie Ross for \$6.1 million.

Leopold's action will protect the creek, which already receives runoff from Route 4 and from facilities at Wayson's Corner. Preserving the 30 acres will also maintain a greenway corridor for wildlife to travel between the forested parcel, along the creek, to the Sanctuary. "We are only temporary stewards of the Land," said Leopold. "We can't wait to plan for the next year or the next decade; we want to plan for future generations."



Greetings!!

Have you heard the great news? We have the good fortune once again of having a County Executive who is a friend of Rural South County and the Jug Bay Wetland Sanctuary. On May 2, Anne Arundel Executive John R. Leopold moved to keep a campaign promise, and announced the County will purchase a prominent piece of land that was previously slated for high density commercial development at Wayson's Corner (the Target at Wayson's). The FOJB's Board of Directors spent a lot of time and energy last fall and winter getting informed about this development proposal. We identified the pertinent impact issues that would have permanently and adversely affected the Sanctuary, and raised our concerns to the County's leaders. The landowner is going to sell the land to the County now to

preserve it, to be purchased with Program Open Space funds.

Leopold said in a phone interview with the Baltimore Sun: "Keeping South County rural is not just a slogan; it's a priority."

This action sends a firm, unambiguous signal to developers and other landowners adjacent to the Sanctuary that Anne Arundel County is strongly committed to protecting the Sanctuary, and to keeping South County rural.

Spring has arrived (finally!), and now that favorable weather is upon us I hope most of you have been getting out to the Sanctuary. Please look at the opportunities listed in the newsletter, and come on out! The Sanctuary's flora and fauna are emerging from a long winter, and Jug Bay is bursting with life. It's amazing how easy it is (for me!) to visit in May for a specific activity, only to find myself lost in distraction by the sights and sounds as Jug Bay is leaping toward summer. It is fascinating to watch the marsh and woods turn from brown to green, and change from quiet to noisy with frog and bird song.

Things are hopping at another part of the Sanctuary as well. You may notice if you visit the Glendening Preserve that the Plummer House (near the barn) is under renovation. The former farmhouse is being renewed to make it safe and useful, and we are looking forward to seeing it opened for Sanctuary business. The facility will provide Sanctuary staff with additional office space, and also will be available for visiting researchers and CBNERR program staff.

I would like to thank you all for your tremendous support of the FOJB, and continued interest in getting your feet, hands and minds engaged in the Sanctuary's research and education missions. Please contact any of your Board members if you want to share an idea or have a concern regarding the FOJB. Enjoy the Sanctuary as often as your schedule permits, and if you are unable to come soon, please enjoy spring and summer wherever you happen to be. Life is good... really good.

See you in the marsh!

Jeff Shenot, President
jugbay@msn.com

Welcome New Board Members

Bill Steiner has returned to the board after a hiatus of three years. Bill was FOJB president several years ago, and has been involved with Sanctuary education programs for over a decade. Bill is an expert on the history of this area, and as a canoe leader, teaches about the rich history of the War of 1812 and other important local events. Bill wants to help the Friends get more involved with seeking foundation grant funding for projects at the Sanctuary.

Susan Nugent is another returning board member. Sue works on international issues at the Woodrow Wilson Center in Washington. She is an avid canoer and for many years she led explorations of the wetlands here. Sue is active with the Anne Arundel chapter of the Sierra Club. "I am thrilled to have the chance to be involved again with the Friends of Jug Bay," she said.

Sandy Barnett brings years of experience as an educator and researcher to her position on the board. Sandy recently retired from the National Aquarium in Baltimore where she was Senior Herpetologist for 17 years. She has been a long-time board member with the Mid-Atlantic Turtle and Tortoise Society (MATTS) and is their immediate past president. With MATTS volunteers she spear-headed the building of the beautiful box turtle pen at the back of the Wetland Center. Sandy's keen interest in Sanctuary research projects and her connections with the wider Bay conservation community are assets that will enhance the work of FOJB.

Joe Browder and his wife Louise Dunlap are partners in an environmental and energy consulting firm in Washington. Joe is best known in national environmental circles for his work to protect the Everglades. His work is featured in the Everglades book recently written by Washington Post writer Mike Grunwald. The late historian Alex Haley also commissioned and edited a book about Joe's Everglades work. Joe is deeply involved in climate change policy, nationally and globally, and Louise is an advisor to Honda on environmental, climate change and energy issues. Joe has been a student of birds for many years: his first publication in 1953 (at the age of 15), was a review of Blake's Birds of Mexico for the Texas Ornithological Society! Locally, Joe is known for having ended the conflict over the proposed development at Franklin Point in Shadyside, persuading both the landowner and Governor Glendening to have the State purchase the wooded wetlands as a protected natural area.

Summer 2007 Education Programs at Jug Bay

- Reservations and entrance fees are required for all events, unless noted.
- Call 410-741-9330 or e-mail programs@jugbay.org.
- Check out www.jugbay.org for information, directions and updates to our schedule.
- Open to the public 9 am-5 pm Wednesday, Saturday, and Sunday
- Programs are open to families and individuals. An adult must accompany children under 13.
- Scouts and other groups must call to arrange a separate program.
- Please note age limits for each program.

Entrance Fees

Adults: \$3
Children under 18: \$2
Over 60: \$2
FOJB family membership: \$25

Nocturnal Animals of Jug Bay

Thursday, June 14; 8:00-10:00 pm

Join us for an evening under the stars with our nighttime critters. We'll learn about their lifestyle and special adaptations, then take a sensory hike to search for signs of their presence. In addition, we will hike past one of our amphibian hot spots to look and listen for the active frogs, toads and salamanders of the season. In case of a weather cancellation, the program will be held the next evening.

Birding at Jug Bay

Saturday, July 7; 8:00-11:00 am

Saturday, August 4; 8:00-11:00 am

Saturday, September 1; 8:00-11:00 am

Learn the skills of identifying birds by sight and sound. Binoculars and field guides will be available to borrow. Not appropriate for children under 12.

Discover Wetlands by Canoe

Sunday, June 10; 10:00 am-2:00 pm

Saturday, June 16; 4:00-8:00 pm (Adults only)

Saturday, June 23; 10:00 am-2:00 pm

Saturday, July 14; 4:00-8:00 pm (Adults only)

Saturday, August 4; 9:30 am-1:30 pm

Sunday, August 12; noon-4:00 pm

Enjoy a leisurely paddle through the Patuxent River wetlands and open a new window into the natural history of Jug Bay. Canoe instruction and all equipment provided. Pre-registration is necessary; no phone or fax reservations are taken. To reserve a space, mail your payment of \$5 per person (including FOJB) in advance to the Sanctuary, using the registration form, including first and second choice of dates. Children must be at least 7 years old, unless noted otherwise. Please bring a lunch and plenty of water.

Home School Series

Insect Safari

Wednesday, June 13; 10:00 am - 1:00 pm
(Ages 8 and older)

Join us on a bug hunt through Jug Bay's meadows, forests and wetlands. Here's your chance to meet these small creatures up close and learn how they sense their environment, build homes, and find prey. We'll create an insect zoo at the end of the program. Games, crafts, and take-home activities. Please bring a lunch.

Cost: \$1.00 per child, adults are free

Friday Night at the Movies: "Microcosmos"

Friday, June 15; 6:00-8:00 pm

Join us for a fun evening in the Wetlands Center watching this fascinating film about insects. Afterwards we can discuss the movie. Join us on Saturday for a hike to search for insects in the field and forest. Free entrance to the Sanctuary and all ages are welcome.

Insects Everywhere!

Saturday, June 16; 10:00 am-noon

Insects come in all shapes and sizes and can be found in every environment. Come explore the Sanctuary to learn more about the day in the life of an insect. All ages are invited.

Beavers and Otters and Muskrats — Oh My!

Saturday, June 16; 4:30-6:30 pm

Join us to learn more about these three wetland mammals. Through hands-on activities and a hike, we'll explore the adaptations that have made them so successful, and discover some of their fascinating behaviors. All ages.

Summer Solstice Hike

Friday, June 22; 6:30-8:30 pm

The Summer Solstice marks the longest day of the year and the start of summer. Celebrate the season while hiking the summerwoods. We'll end the day watching sunset with a light snack. All ages are invited.

Wonderful Wetlands

Saturday, June 23; 10:30 am-12:30 pm

Join us for an exploration of freshwater tidal wetlands. Ospreys can be seen overhead and spatterdock underfoot. We'll stay on our boardwalks and trails, so boots are not needed. All ages

Turtles

Wednesday, June 27; 10:00 am-noon

Want to learn more about the lives of these fascinating reptiles? We'll visit the Beaver Pond to look for basking turtles, prowl the meadow for evidence of nesting activity, and search the forest for box turtles and other herps. We'll also learn about the adaptations turtles by examining several captive turtles. Ages 7 to adult.

Lecture in the Field

Odonate (Dragonflies & Damselflies)

Saturday, June 30; 2:00-4:00 pm

Join entomologist Dr. Benedict Hollister for his ongoing insect lecture series. Participants will see specimens to learn some of the basics, then travel outdoors to see these aerial acrobats in their element. For teens and adults.

Blue Moon Hike

Saturday, June 30, 2007, 8:00 - 10:00 pm

Moon, June, Spoon, Croon - this is an opportunity which happens only "once in a blue moon." Come out and enjoy a summertime evening hike and learn what that saying is all about. We'll see the sunset and the full moon rise. We should hear some frogs and toads courting, and maybe even see a beaver or hear an owl. Bring flashlights, just in case. All ages welcome.

Wetland Flowers

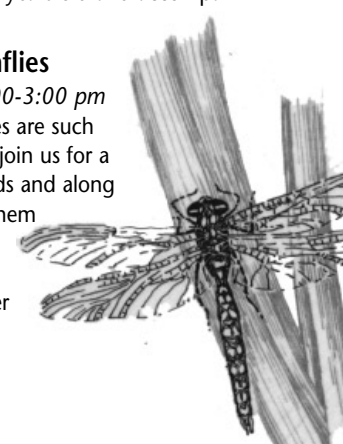
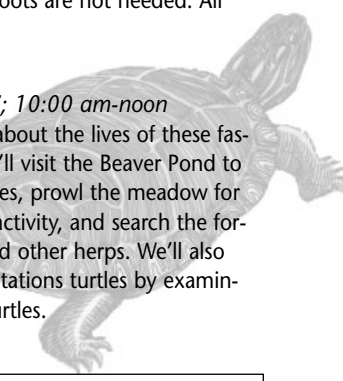
Saturday, July 21; 10:00 am-noon

Turtleheads, cardinal flowers and monkey flowers - just a few of the wetland species we'll search for. No need for boots since we'll be on boardwalks that traverse the wetlands. Children should be at least 12 years old and accompanied by an adult.

Dazzling Dragonflies

Sunday, July 29; 1:00-3:00 pm

Learn why dragonflies are such skilled hunters, then join us for a hike through wetlands and along streams to glimpse them stalking their prey! For adults and families with children over 8 years old.



Volunteer Activities

No entrance fee is charged for volunteer activities. New volunteers, or those wanting to learn about volunteer opportunities, are always welcome.

Herp Search

Saturday, June 2; 10:00 am-3:00 pm

Saturday, June 9; 10:00 am-3:00 pm

Join our annual reptile and amphibian (a.k.a. herps) research study. We'll search the forest, stream banks and marsh edges for turtles, frogs, toads, salamanders, lizards and snakes. Participants will be assigned to teams to help identify and map where the herps are found. Free admission to the Sanctuary. Children should be at least 8 years old.

Fish Survey

Saturday, June 23; 11:00 am-2:00 pm

(Patuxent River)

Saturday, July 14; 12:00-3:00 pm

(Patuxent River)

Saturday, August 4; 12:00-3:00 pm

(Beaver Pond)

Using a large seine net, we monitor the fish populations living in shallow water and creeks. Volunteers willing to get wet are needed to help catch, identify and measure (and then release) fish. Wear shoes that tie tightly and clothes that can get wet and muddy. Bring a change of

A Swift Night Out

Saturday, August 11; 7:30-8:30 pm

Join in this continent-wide effort to monitor the health of our swift populations. We'll spend some time reviewing the basic biology of these fascinating birds, then gather at a known roosting site (our chimney) and watch to see how many birds we can count that come flooding back to the roost at dusk. No experience necessary, for adults and families with children over 6 years old. In the event of a rain cancellation, the count will take place Saturday, September 8th from 7 - 8 pm.

Crazy for Caterpillars

Sunday, August 26; 2:00-3:30 pm

Late summer is the best time of year to see a wide variety of caterpillars. Learn about the many ways these baby bugs have adapted to avoid being eaten. We will take a short hike to look for caterpillars outside, then come back to the Wetland Center to make some caterpillars of our own. All ages welcome.

Fall Flowers

Saturday, September 8; 1:00-4:00 pm

Asters, goldenrods, and bonesets should be plentiful in our open meadows. These "confusing composites" can be a challenge to identify. Learn some field identification techniques while enjoying the beauty of the fall fields. Co-sponsored with the Maryland Native Plant Society. For adults and children over 12 years old.

clothes and a towel. Children must be at least 12 years old. Free admission.

Marbled Salamander Research Workshop

Saturday, August 25; 9:30 am-noon

Saturday, September 8; 9:30 am-noon

These workshops will teach the methods used to track marbled salamanders during their migration from September through November. Designed for adults and older teens.

Volunteer Picnic

Sunday, August 19; 3-6 pm

Enjoy a lazy summer afternoon with fellow volunteers. Bring photos and stories to share. The evening will end with a presentation by our summer intern. Start volunteering now and join the fun! For volunteers and their guests. All ages welcome.

Volunteer Excursion

Poplar Island - A National Model for Beneficial Use of Dredged Material

Thursday, August 30; 10:00 am to 1:30 pm

Poplar Island, just off the coast of Tilghman Island (Talbot County) in the Chesapeake Bay, is being returned to its former size and important ecological function, while helping to ensure the economic vitality of the region. Shortly after the first dredged material was placed on the island in the spring of 2001, ospreys, egrets, terns, herons, eagles, terrapins, and other wildlife began to call the island home. As the island's wetlands mature, they will improve water quality and provide valuable habitat for fish and shellfish. Limited spaces available for this trip. The boat to Poplar Island departs from Tilghman

Island at 10:00 sharp. Participants are responsible for their own transportation to Tilghman Island (from the Sanctuary, 79 miles, estimated driving time 1 hour, 45 minutes). Free



Alderfly

Stream Monitoring

Thursday, July 5; 9:30 am - noon

Friday, September 7; 9:30 am-noon

Volunteers are needed to help collect, identify, and count stream invertebrates that are used to evaluate stream health. For adults and children over 12 years old.

Adopt-a-Plot Training

Trainings are done on an individual basis. Please contact Karyn Molines or Lindsay Funk Hollister to arrange for training. Join our team to remove the non-native invasive plants from our forests and nip them in the bud before they spread and threaten the special habitats and rare plants found on the Sanctuary. Individuals, families and groups can adopt their very own plot to monitor, map and manage the invasives. Wear long sleeves, long pants, and sturdy work shoes. Bring water, and if you have them, work gloves and hand pruners. Children should be at 8 years old. Free admission.

Box Turtle Population Censuses

Volunteers are needed from early May through October to help with weekly turtle censuses of 1 hectare study plots. The one-hour censuses take place on Wednesdays at 1 pm. Free admission.

New Programs at the Nature Preserve

Enjoy our programs at the Preserve. Enter at the Plummer Lane gate near Rte. 4 and meet at the Plummer House.

How Watersheds Work

Saturday, July 14; 9:00 am - noon

Join Chesapeake Bay National Estuarine Research Reserve (CBNERR) and Sanctuary staff to explore two small subwatersheds at the Glendening preserve. We will look at how land use in the watersheds impacts the health of the streams that flow through them. In both streams, we will monitor water quality, sample macroinvertebrates, study maps, and have fun following the water. Come prepared to get a little wet, a little dirty, and a lot curious! Wear old shoes that tie and clothes that can get muddy, and bring a change of clothes. Bring a lunch to eat at the end of the program. Ages 14 to adult.

Desert Communities

Wednesday, July 18; 9:30 am-noon

We won't be traveling to Arizona or the Sahara. We have our own barrens, or "deserts," right here in Maryland! Among the sand and cactus, we'll hunt for insects, lizards, and other animals. Ages 7 to adult.

Streamwalk *Wednesday, July 25; 9:30-noon*

Put on your old sneakers and explore the streams of the Preserve. We'll use dipnets to discover the animals living there. Bring a towel and change of clothes. No open-toed shoes. Ages 7 to adult.

Meadows *Wednesday, August 1; 9:30-noon*

Come out to the meadow, where flowers are blooming, and insects and toads are hopping. Using nets, we'll catch butterflies, dragonflies, beetles, and flies. Through games and other activities, we'll learn about insect life cycles, and their important role in the meadow ecosystem. Ages 7 to adult.

Jug Bay Summer Science Camp

Give your child a natural adventure this summer at Jug Bay Wetlands Sanctuary's Summer Science Day Camp! Our camps are designed to introduce campers to wetlands, ecology, and scientific investigations. During these outdoor, all-day programs, campers explore the natural world and conduct ecological studies through hands-on student-centered activities. Group size is limited, with a staff to camper ratio of 1:5.

Registration Information

- * The cost is \$130 per session (\$120 for FOJB members)
- * Registration fee must be paid at time of registration, by check or money order only.
- * Registration is on a first-come, first serve basis, by mail or walk-in (Wed, Sat, or Sun, 9 am-5 pm).
- * Mail the registration form directly to the Jug Bay Wetlands Sanctuary. Registrations received at the Recreation and Parks Headquarters will be delayed.
- * Children must be entering the grade specified.
- * Camp size is limited. You will be notified of your registration for camp, if a camp is filled, or is rescheduled.
- * Individuals with disabilities will be accommodated if JBWS is given at least 2 weeks notice.

Wetlands are Wonderful

(For 5th or 6th grade in Fall 2007)
Monday, July 9 - Friday, July 13
 9:30 am-3:30 pm

Down to the Bay

(For 7th or 8th grades in Fall 2007)
Monday, July 9 - Friday, July 13
 9:30 am-3:30 pm

Follow the Patuxent River as it flows from its headwaters to the Chesapeake Bay. We'll explore the tidal marshes and non-tidal creeks to learn about the Patuxent River and the Chesapeake Bay watershed. The Marsh Walk, canoe trip, Thursday night campout, and Night Hike are all highlights of the camp.

Stream Ecology

(For 9th - 12th grades in Fall 2007)
Monday, July 23 - Friday, July 27
 9:30 am-3:30 pm

Four different streams run through the Sanctuary. Each day we will search for fish, amphibians, reptiles and insects, while measuring water quality. We'll compare the streams to understand their ecology. On Friday, we'll head out in canoes to learn how streams influence the water quality of the Patuxent River. There will not be an overnight for this camp.

Teen Adventure

(Entering at least 9th grade in Fall 2007)

Are you ready for adventure? We have many opportunities for you to become involved in the exciting things happening at Jug Bay. Sign up for one day or many: you will participate in the on-going research projects, interpret data collected, and work on a service project. You can use the hours to fulfill your community service requirements. \$5 for the series, no matter how many days you attend (free for volunteers.)

Herp Search

Thursday, June 28; 9:30 am-3:30 pm

Stream Monitoring

Thursday, July 5; 9:30 am-3:30 pm

Fish Survey

Thursday, July 19; 9:30 am-3:30 pm

Aquatic Ecology

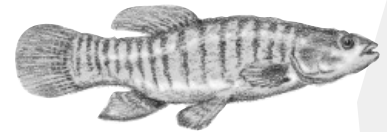
Thursday, August 2; 9:30 am-3:30 pm

SAV

Thurs., August 16; 9:30 am-3:30 pm

Wild Rice

Tuesday, August 21; 9:30 am-3:30 pm



Sanctuary Bioblitz

September 15-16 (noon until noon)

Biologists have embarked on a mission to catalog life in the most remote corners of earth. Join our team of searchers on a 24-hour hunt as we scour our own small planet called Jug Bay to learn more about the biological diversity of the Sanctuary and to better understand how to protect it. How many species live in the Sanctuary? Let's find out! Volunteers will assist experts in observing and recording as many species as we can. Volunteers will be assigned to groups and to time slots. Please call or e-mail programs@jugbay.org to register. Ages: teen to adult. Volunteers are also needed to help with event logistics, including helping to guide field expeditions, setting up before and cleaning up after the event, assisting with data entry and registration.



A new earthworm species, *Diplocardia patuxentis*, was discovered living in the Sanctuary by John Hopkins University scientist Dr. Kathy Szlavecz several years ago.

Spring Volunteers (February - April 2007)

Sandy Barnett	Rosemary Frezza	Arlene Ripley
Marty Barron	Diane Goebes	Rogard Ross
Betsy Beach	Ami Hazell	Matt Salo
Susan Blackstone	Robert Hazell	Jeff Shenot
Joe Boerckel	Lynn Kenny	Lisa Siciliano
Sam Boerckel	Peter Kenny	Mary-Stuart Sierra
Cynthia Bravo	Elizabeth Kurgansky	Les Silva
Peggy Brooks	Deb Leifer	Bill Sipple
Judy Burke	Anne Logie	Bob Smith
Gordon Burton	Woody Martin	Al Sutherland
Mary Burton	Patrick Megonigal	Liz Sutherland
Danny Bystrak	Bill Miles	Kathy Szlavecz
Jeff Campbell	Louise Miles	Yuka Tasumi
Betty Chaney	Kent Mountford	Mickey Taylor
Ginger Chaney	Dotty Mumford	Sandy Teliak
Kathleen Chow	Janis Oppelt	Peter Uimonen
Liles Creighton	Jan Owings	Nancy Weber
David Davis	Michael Palombi	Bruce Weidele
Fae Davis	Sandi Palombi	Dennis Whigham
Mark Delfs	Dave Perry	Bill Wilkerson
Kathy Ellett	Carol Quinlan	Bob Williams III
Kim Elliott	Michael Quinlan	Dick Worth
Maureen Fine	Gordon Reynolds	<i>Lynn Kenny was a winter volunteer who was missed from the list.</i>
Marilyn Fogel	Cathy Rickards	
Robert Frezza	Frank Rickards	

Scientific Advisory Committee Meeting Held

By Chris Swarth

In March we convened a meeting of our Scientific Advisory Committee. This committee is made up of ecologists and biologists from academic institutions and government resource management agencies. Dr. Dennis Whigham of the Smithsonian Environmental Research Center agreed to assume chairmanship from Dr. David Velinsky (Academy of Natural Sciences) who had held this position for the past five years. Lindsay Hollister, Elaine Friebele, and I each gave presentations our studies, which were evaluated by the committee. These reviews help us to sharpen our objectives, modify our methods, and to receive very useful feedback on our interpretation and presentation of results.

A number of committee members work closely with us on our studies. For example, Dr. Whigham and Mr. Mike Haramis advise Elaine on the new wild rice study. Dr. Whigham and Chris prepared a book chapter on the conservation of freshwater tidal wetlands. Mr. Sam Droege provided management guidelines for the sand barren areas of the Glendening Preserve. Dr. Marilyn Fogel has analyzed the diet of snakes and turtles using stable isotope mass spectrometry, and she has delivered talks in Arizona and Europe about our diet studies. In 2005, Dr. Pete Marra provided National Science Funds so we could take on a science teacher for the summer (Kathy Chow). Mr. Bill Sipple regularly teaches wetland plant courses here, and last year he reviewed a wetland delineation report for the Friends of Jug Bay. As you can see, our committee provides a lot of help to the Sanctuary!

Members of the committee:

Dr. Dennis Whigham (Chair) Smithsonian Environmental Research Center
Dr. Patricia Delgado, CBNERR-Maryland
Mr. Sam Droege, Patuxent Wildlife Research Center, USGS
Dr. Marilyn Fogel, Geophysical Lab, Carnegie Institution of Washington
Mr. Mike Haramis, Patuxent Wildlife Research Center, USGS
Dr. Erik Kiviat, Bard College and Hudsonia
Dr. Pete Marra, National Zoological Park
Dr. Patrick Megonigal, Smithsonian Environmental Research Center
Dr. Kent Mountford, Ecologist and Chesapeake Bay historian
Mr. Bill Sipple, Wetlands Ecologist
Dr. Kathy Szlavecz, Johns Hopkins University

A Vision for the Glendening Nature Preserve

The diverse habitats within the 600-acre Glendening Nature Preserve—ranging from near-desert to several types of wetlands—offer exciting opportunities for educational programs. However, since its acquisition in 2001, programming at the Preserve could not be fully explored because no bathrooms or drinking fountain were available to the public. Now, completion of the Plummer House renovation opens the Preserve for wider uses by all visitors.

Imagine learning about butterfly gardening at the demonstration garden surrounding the Plummer House, or exploring one of the several vernal pools for tadpoles and salamander larvae. Or having your children attend a meadow program, which would begin with listening to a story about butterflies and insects inside the barn. Families could also participate in reptile and amphibian programs, which might include walking one of the Preserve's three streams with dipnets to find herps.

This summer, you'll have the opportunity to sample a new set of programs at the Preserve. Find out **How Watersheds Work** at an outdoor workshop led by CBNERR education coordinator Bart Merrick and Naturalist Elaine Friebele. Or attend one of our weekday programs to explore the Preserve's streams, "deserts," and meadows. (See p. 5)

Volunteers, we need your ideas and your time to develop new programs and information signs. If you have an idea for a program at the Preserve, please let us know! We need maps, pictures and information on the kiosk by the house, as well as interpretive signs on the trails. Volunteers are also needed to cultivate demonstration gardens, and to receive visitors when our staff is unavailable.

Thanks for Your Donations

Jeff Campbell, for designing, printing, and laminating beautiful new fish guides with illustrations in color.

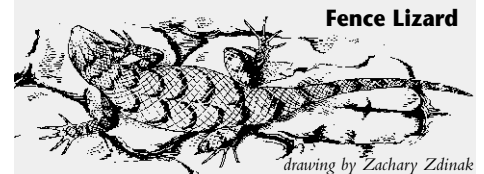
Mike Quinlan for *The Ferns and Fern Allies* of Pennsylvania by Thomas R. Lord and Holly J. Travis, *The Wetlands* by Daniel Kriesberg, and *Plants out of Place, Controlling Alien Invasive Plants in Anne Arundel County, Maryland* by Carol Jelich and Deborah Johnson.

Ed and Sandi Funk for three lovely children's books by Carl R. Sams II and Jean Stoick.

Giant Food in Dunkirk for a \$20 gift card for Marsh Cleanup supplies.

If you'd like to help create a base for visitor programs at Plummer House, consider donating some items on our wish list:

Microwave oven
Set of dishes
Set of utensils
Desks
Office chairs
Bookcases
Small storage cabinets



Fence Lizard

drawing by Zachary Zdinak

S U M M E R 2007



DEPARTMENT OF RECREATION AND PARKS

Jug Bay Wetlands Sanctuary
1361 Wrighton Road
Lothian, MD 20711
410-741-9330

Eagles Attempt a Family at Sanctuary By Elaine Friebele

This winter, volunteers and staff spotted Bald Eagles flying above Otter Point and the Beaver Pond more often than in past years. Sometimes they were carrying branches in their talons. Then on February 28, volunteer Cynthia Bravo reported seeing a nest high up in a tree. This is the first in the history of the Sanctuary!

A corps of volunteers checked the nest every day from a safe distance. They often saw the female on the nest, watching them, but on many days, the female was positioned too low in the nest to be visible. She endured through all types of weather: rain, sleet, snow, and cold winds. Sometimes, another eagle (the mate?) was flying nearby.

Eagle's nests are huge: at least 4 feet wide and three feet deep; they can weigh several hundred pounds. The biggest nest ever recorded was 12 feet wide, 15 feet tall, and it weighed over 1,000 pounds! Females lay one to three eggs and incubate them for 35 days.

In early April—about the time that the eggs should have been hatching—an eagle took off from the nest tree, calling and circling as I approached the viewing site. After a few minutes, it perched on the highest snag nearby and continued its high-pitched cry, beak wide open. Soon, a second eagle took off from the nest. As the eagle circled overhead, I could see clearly the sharp, hooked yellow beak. I covered a little to think of being torn into little shreds by this weapon!

Eagles are from a universe beyond the normal-sized, the familiar. The eight- to 14 pound-adults are lifted into the air by the seven-foot wingspan. Large yellow scales cover the feet, which end with the fearsome talons.

Through the spring, volunteers continued to watch, observing the female on the nest, and sometimes, the male nearby, but no one saw the adults bringing prey to the nest. Had the eggs hatched? Were there hatchlings?

In late April, Cynthia observed an eagle flying in from the river and landing north of the nest. It seemed to call to the eagle sitting on the nest. The second eagle stepped out of the nest and flew in circles, landing close to the nest several times before once again settling down on the nest.

Following this observation, no activity was seen at the nest. We're still protecting the area surrounding the nest, in hopes that the nest was viable. Even if it wasn't, it's reassuring to know that eagles are attracted to Jug Bay's quiet, seclusion, and abundance for raising their families.

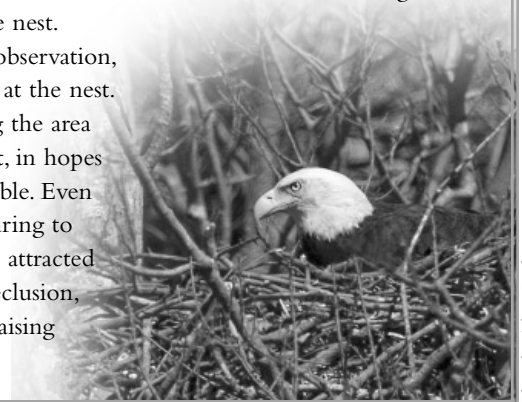


Photo by Ariene Ripley