

THE LESSER SQUAWK

www.charlestonaudubon.org

Newsletter of the
Charleston Audubon &
Natural History Society

DON'T MISS EVENTS!

*** Note Change of Venue:** All LECTURES will be held at 6:00 PM in the Biology Auditorium (room 101) in Duckett Hall on the campus of The Citadel ([map](#)). Free parking is available along the west and south sides of Summerall Field directly across the street from Duckett and Bond Halls. There is also free parking after 5:00 PM in faculty lots directly behind Bond Hall and behind Capers Hall.

LECTURE (Sep 12th): Using Research to Address Conservation Issues for Seabirds in the SE US and Caribbean

Seabirds are a conspicuous component of marine and coastal ecosystems yet they have received surprisingly little research attention in the Southeastern US, Bahamas, and Caribbean. Nonetheless, the need for information about seabird ecology is growing as [marine spatial planning](#) becomes more common and as [proposed offshore and coastal projects](#) increasingly involve large investments of capital and time. Since 2002 the SC Cooperative Research Unit has been engaged in a variety of research projects that have focused on nearshore and pelagic seabirds. During this seminar Dr. Pat Jodice will provide an overview of the state of knowledge of seabird ecology in the region and discuss data gaps and recent findings from research conducted in SC. He will also review results from recent research on large-scale movement patterns and habitat use of Caribbean seabirds.



[Patrick Jodice](#) is the Leader of the USGS South Carolina Cooperative Fish & Wildlife Research Unit and an Associate Professor in the School of Agricultural, Forestry, and Environmental Sciences at Clemson University. Current and recent research projects include assessing the effects of predators on reproductive success of seabirds and shorebirds; investigating relationships between coastal habitat-use of seabirds and shorebirds and human activity; physiological ecology of seabirds; movement patterns of seabirds; and determining the feasibility of ex-situ incubation for a threatened shorebird as a means to reduce hatching failure. Pat also acted as a lead scientist in the damage assessment of the [Deepwater Horizon oil spill](#) on nearshore seabirds.

Pat has served as Chair of the [Pacific Seabird Group](#), as an elected council member of the Waterbird Society, as Chair of the Science Program for the 1st World Seabird Conference, and as an advisor in the formation of the World Seabird Union. He has degrees from the University of Maine (BS), University of Florida (MS) and Oregon State University (Ph.D.).

Calendar of Events

Sep 9th, 7am-1pm

Field Trip: Botany Bay

Shorebirds and migrant songbirds will be the primary targets of the day, but this 4687 acre property on Edisto Island has a lot to offer.

See article on page 3.

Sep 12th, 6-8pm

LECTURE: Using Research to Address Conservation Issues for Seabirds in the SE US and Caribbean

Biology Auditorium (room 101) in Duckett Hall on the campus of the Citadel

See "Using Research to Address Conservation..." to the left.

Give Us a Call!

Stay on top of upcoming events, even without internet access; we're trying out a telephone call-in system.

Call 843-720-9736 (843-720-WREN) each month to hear a listing of upcoming lectures, field trips, and other events.

President's Notes

I spent part of this afternoon staring at a rock ([like this one](#)), and am still thinking a bit about what I saw there. Specifically, I was checking out the lichens that I saw growing there, and on each of the nearby rocks in this somewhat inhospitable alpine environment. I'm always struck by these [often-colorful](#), tough, thin "[organisms](#)" that eke out a living in areas that are blasted by UV light, go through wild temperature swings, spend long periods with little rain and yet manage to thrive for years on end. It helps to know a little of their biology to understand my fascination with them, and to understand why I put the word 'organisms' in quotes. We're used to the idea of [identifying a unique species](#) of fish or bird or flowering plant; it is what it is, it's distinct from other species, and it lives or dies based on its ability to manage its environment. But lichens are a very close association between a fungus and an algae (which are actually [protistans](#)—like *Paramecium* or *Amoeba*—not plants; go figure), in which they each provide something the other needs. [The 'body' of a fungus is really a series of very very thin, hairlike threads](#) with tremendous surface area that allows both the gathering of water and the attachment of algae; although not plants, algae do photosynthesize and produce more sugar than they need. Voila! Both the algae and fungus get something from the deal and they thrive where neither could alone. Please stay with me here, I'm slowly working around to a point :-)

I wrote last year about building bridges of various sorts. Those efforts are starting to bear fruit, and I'd like to bring you up to speed with them. We did build some bog bridges and [they protected the stretches of trail they were supposed to](#), and we've also made and strengthened our bridges with several local entities. Our collaboration with the generous owners of both local Wild Birds Unlimited stores has grown beyond our important Bird Seed Sale (see the insert for details of how you can help support us in this way) to active participation of personnel from each store in some of our events. Dan Rainey (of the [West Ashley WBU store](#)) and his muse, [Dallas Corbett](#), have played at a number of our



events, while one of the new owners of the [Mt. Pleasant store](#), Danielle Motley, hosted our last outing for the Spring season and has been an important part of our newly-revitalized education committee. What's more, we're working with the [SC chapter of the Native Plant Society](#) to co-host several events. Our own Joe Cockrell will give the SCNPS an update of the [exciting habitat restoration work being done at our McAlhany Nature Preserve](#) (MNP), at their October meeting. We'll follow that up with a tour of the restored areas that coincides with a larger event on October 21st celebrating the 25th anniversary of our management of the MNP. Again, see the announcement elsewhere in this issue of [The Lesser Scaup](#), and please do join us to celebrate the successes of your group. We plan a birding trip around the property that morning, but will also welcome anyone wanting to help work on the property the day before. Each of these type of events has been a fun, productive way to meet others with similar interests in the past and I hope to see you there in person for either or both.

Finally, I have to point out that our new Lecture Coordinator, Mary Kennerty, has already put together a exciting schedule for the entire year, meeting the second Wednesday of each month at our new venue in the [Duckett Hall](#) auditorium on the campus of The Citadel, Andy Harrison has a slate of field trips already organized, and a number of us are working to organize the events at MNP. Like the algae on my rock, we all bring something to the table and are better for sharing that, so please check the website, twitter feed ([@chsaudubon](#)), [facebook page](#), [blog](#) etc for details, and come join us!

Paul Nolan, Ph.D.

President, Charleston Audubon & Natural History Society

paulnolancnhs@gmail.com

Calendar of Events

Sep 22nd, 7am-1pm

FIELD TRIP: Orangeburg Sod Farms

The Super Sod Farm near Orangeburg usually has Upland Sandpipers, and Buff-breasted and Pectoral Sandpipers that are returning from a breeding season on the Arctic tundra.

See article on page 4 for more information.

Oct 10th, 6-8pm

LECTURE: Wood Stork Banding

Colette DeGarady is the Senior Conservation Ecologist with the SC Chapter of The Nature Conservancy who will speak on her ongoing projects and management of the endangered American wood stork.

[Biology Auditorium \(room 101\) in Duckett Hall on the campus of the Citadel](#)

For more information, see article on page 4.

Oct 14th, 1pm

FIELD TRIP: Butterfly Walk at Fort Johnson

Noted local ecologist, naturalist and wildlife biologist Billy McCord will lead our group on a butterfly walk at the Fort Johnson Marine Resources Center complex on the afternoon of Sunday, October 14.

See article on page 5 for more details.

Fall Field Trip Kickoff - Botany Bay

On Sunday, **September 9th**, Steve Moore will lead our group on a birding tour of [Botany Bay Plantation WMA](#). Shorebirds and migrant songbirds will be the primary targets of the day, but this 4687 acre property on Edisto Island has a lot to offer. There is a three-mile loop road that winds through and past numerous different habitats, including mixed pine-hardwoods forest, agricultural fields, and coastal wetlands and marshes. A short causeway provides access across a marsh and through maritime forest to a stretch of front beach – we'll be there at low tide, and hopefully some shorebirds will too!

In addition to its beautiful natural areas, Botany Bay also offers some interesting cultural resources: a 19th century Gothic Revival style [ice house](#), an overgrown Japanese garden (first of its kind in North America), and outbuildings and ruins of the two main plantation houses that existed on the property in the 1800's, Bleak Hall and Sea Cloud.

The meeting time and location for this trip will be 7am in the Food Lion parking lot in Ravenel, SC ([map](#)). Bring food and water, your birding gear, and dress for the weather. The path to the beach is approximately ¼ mile long, and there may be a moderate amount of walking on the beach. There are no restrooms or picnic facilities on the site, and all trash must be removed – pack it in, pack it out!

If you plan to attend, please register with Steve Moore prior to September 9, 2012 at smoore851@gmail.com or 843 327-4367.



The Post and Courier



Sarah Latshaw ©

Calendar of Events

Oct 21st, 7am

25th ANNIVERSARY CELEBRATION: McAlhany Nature Preserve

We're celebrate this occasion by holding a joint "birding and botany" walk on the River and Bluff trails with members of the Native Plant Society in the morning and then enjoying a cookout (hotdogs and hamburgers cooked on the grill) at the cabin.

For more details see article on page 5.

Nov 14th, 6-8pm

LECTURE: "Winging it" in a Human World.

No matter where in the world you end up there seems to be one fact we can't escape: humans are everywhere, and it's not a recent phenomenon. The pressures placed on the world's systems have reached levels never before experienced. Our choices on one side of the globe can have profound impacts on the other. Join Patrick McMillan as he explores the intricate connections from end to end of the globe that can be traced to changes we see here in South Carolina. Choices matter and you *can* make a difference; all human's actions are not inherently bad.

More Information

For more information check out our calendar online: www.charlestonaudubon.org/calendar.html or join our gmail calendar by searching for CNHS. To attend field trips, please register with Andy Harrison prior to the scheduled dates: parula23@aol.com or 843.795.6934.

FIELD TRIP (Sep 22nd): Orangeburg Sod Farm

Join us on Saturday, September 22 as we visit the Super Sod Farm near Orangeburg, SC for some inland shorebirding! Migrating shorebirds, including species such as Upland, Pectoral and Buff-breasted Sandpipers and American Golden Plovers, regularly stop over in small numbers at this site in late summer and early fall – especially after a heavy rain, when the grassy fields are wet and mud puddles are plentiful. Rarities such as Baird's Sandpiper, Sharp-tailed Sandpiper and Wilson's Phalarope have also been observed here. In addition to shorebirds, we are likely to see Horned Larks, Common Ground Doves, and several species of swallows (possibly Bank or Cliff Swallows) and various raptors.

We'll be birding mainly from the roadside, so a minimum amount of walking is required. There are no restrooms or picnic facilities on the site, so we'll eat lunch as we bird (gas stations with convenience stores are not far away, however). Bring food and water, your birding gear (a scope, if you have one, is highly recommended), and dress for the weather – bug spray and sunscreen might also prove useful.

The meeting time and location for the trip will be 7:00 AM in the small parking lot next to the First Citizens Bank in front of the Summerville Walmart, just off Hwy 17-A and not far from its intersection with I-26 ([map](#)). If you plan to attend, please register with Andy Harrison prior to September 22 at parula23@aol.com

or 843 795-6934. Note: Andy will return from his trip to Paraguay on September 15, and he will not be returning messages before then.



Pictures taken by Andy Harrison on 9/2/11: [American Golden Plover](#) with [Killdeer](#) (left) and [Upland Sandpiper](#) (right).

LECTURE (Oct 10th): Conserving Wood Storks at Washo Reserve



Photo by [nature.org](#)

[Colette DeGarady](#) is the Senior Conservation Ecologist with the SC Chapter of [The Nature Conservancy](#). She works across the state helping to manage and restore native habitats. She will be speaking about one of The Nature Conservancy's preserves in Charleston County, [Washo Reserve](#).

Washo holds one of the longest continuously used wading bird rookeries in the Southeast. This 200-acre cypress lake was impounded more than 200 years ago as a water resource for rice planting. The resource was protected from hunters, allowing birds to nest here undisturbed

by plume hunters. Today, many types of birds still nest at Washo including the [Federally endangered American wood stork](#). Colette is currently working with partners to manage other threats to their rookery including dying cypress trees and an abundance of aquatic weeds. She'll describe the ongoing project and management decisions to keep their rookery protected.



Photo by [nature.org](#)

FIELD TRIP (Oct 14th): Butterfly Walk at Fort Johnson

Noted local ecologist, naturalist and wildlife biologist Billy McCord will lead our group on a butterfly walk at the Fort Johnson Marine Resources Center complex on the afternoon of Sunday, October 14. With its mix of woods and open grassy areas, this site overlooking Charleston Harbor is a good spot to look for butterflies and migrating songbirds in the fall. Among the butterflies we are likely to see are [Gulf Fritillaries](#), [Cloudless Sulfurs](#), various swallowtails and skippers, and perhaps a few [Monarchs](#) if we are lucky. Billy has tagged over 20,000 Monarchs since he began conducting research on these migrating butterflies in 1996! We'll also keep our eyes and ears open for songbirds, and a walk from Fort Johnson Point along the edge of the harbor will likely yield wading birds, shorebirds (on mudflats between Fort Johnson and Morris Island) and various gulls and terns.

We'll do a moderate amount of walking on this trip. Bring snacks and water, your birding gear (binoculars that are capable of close-focusing will be best for observing butterflies), and dress for the weather.

The meeting time and location for the trip will be 1PM in the Publix shopping center parking lot (near the TD Bank) at the intersection of Folly Road and Harbor View Road on James Island ([map](#)). If you plan to attend, please register with Andy Harrison prior to October 14 at parula23@aol.com or 843 795-6934.



[Gulf Fritillary](#)



[Cloudless Sulfur](#)

FIELD TRIP (Oct 21st): McAlhany Nature Preserve (25th Anniversary Celebration)



This year marks the 25th anniversary of the dedication of McAlhany Nature Preserve as a sanctuary managed by the Charleston Natural History Society. We'll help celebrate this occasion on Sunday, October 21 by holding a joint "birding and botany" walk on the River and Bluff trails with members of the Native Plant Society in the morning and then enjoying a cookout (hotdogs and hamburgers cooked on the grill) at the cabin. After lunch we'll visit our [new wetland restoration area](#) across Wire Road and also observe the progress of the ongoing longleaf pine/ native grass restoration project.

Perhaps the best season to enjoy an outing at McAlhany is in the fall (walking by the oxbow lake or the Edisto River on a crisp fall morning with autumn color lighting the trees is an experience to remember). There

is a lot to see – volunteers have worked hard over the past couple of years to make improvements to the cabin and the trail system (the new Bluff Trail is still a work in progress, but it's looking great). Plans to transform the entrance road near the cabin into a loop, with additional parking spaces, are also taking shape. We are likely to find a few interesting songbirds and plants, too!

At the present time parking is still limited, so we'll carpool as much as possible. Let's meet at 7 AM in the small parking lot next to the First Citizens Bank in front of the Summerville Walmart, just off Hwy 17-A and not far from its intersection with I-26 ([map](#)). If you decide to go up independently, plan to arrive between 8 and 8:30 AM (in any case, before lunch). Driving directions to McAlhany can be found on our website: www.charlestonaudubon.org.

Please register with Andy Harrison at parula23@aol.com or 843 795-6934 by October 18, so we'll know how much food to buy. Bring a side dish or dessert to share, too – there's plenty of space in our refrigerator to keep things cool!

CNHS Board

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paulnolancnhs@gmail.com

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Species Highlight: Diamondback Terrapin

[Diamondback terrapins](#) are small turtles that live in our marshes and can survive in high salinity environments. They are most commonly found in salt marshes and shallow bays. Females are larger than males, and are colored slightly differently. They have large hind legs with webbed feet, and they are strong, fast swimmers. Our terrapins feed on marsh periwinkles and blue crabs, and play a crucial role as a predator in our salt marshes, keeping periwinkles from reducing spartina marshes to mud flats. They can live upwards of 40 years. They are preyed on by raccoons at all stages of their lives, and other carnivores like foxes and eagles. (One eagle nest in the Everglades was found to have 14 diamondback terrapin shells inside!)



Terrapins come ashore to nest in sandy areas, laying 4-12 pinkish eggs. This [video of a terrapin](#) nesting shows the turtle testing out different nest sites. When they cross roads to get to nesting sites, they are vulnerable to death by vehicles. Young hatch late in the summer and occasionally overwinter in the nest, emerging in the spring as small turtles, heading for the water. An egg tooth is visible for a short while.

Terrapins have very high site-fidelity, which means that they inhabit the same creeks for their entire lives. Many are captured for study in the same creek year after year, even after major environmental events, like Hurricane Hugo. If a female is caught in a crab trap during mating season, the males in that creek may follow her in, and the entire population of that creek could be impacted for years.

You can help with conservation. You can enter sightings of terrapins in the [Carolina Herp Atlas](#), a citizen science initiative to map the distribution of reptiles and amphibians in the Carolinas. If you are a crabber, you can [install a bycatch reduction device](#) on your crab pots so terrapin can't get inside. There are [directions for making your own here](#).

• Judy Drew Fairchild, *Adapted from Dewees Island Blog*

Other Interesting Events in the Lowcountry:

- [Nightwalks at Beidler Forest](#)
- [Bird of Prey Raptor Center](#)
- [Sewee Visitor & Environmental Education Center](#)

facebook

Find us on facebook by
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Audubon & Natural History
Society



Smart Phone Apps for Nature Lovers

iRecycle

Do you have any extra cans of outdated paint (from your very first painting job, ever), a stash of used batteries (courtesy of all of those remotes in your house) or any unused electronic accessories (that are just not compatible with any of your new gadgets)? Maybe you'd like to make some room in the garage but you don't know what to do with that old carpet you replaced 10 years ago?

Whatever you might be saving or putting away "temporarily" but would really just rather dispose of safely, I'd like to recommend [Earth 911](#)'s iRecycle app. No matter where you are, iRecycle can determine the most appropriate recycling means and information for your "stuff" in closest proximity to you (with your permission, of course).

If you're interested in this free app, you can read about it more at [earth911.com](#) or download it directly from the Apple store.

- Emma Paz



Naturalist



Olympics

Congratulations to our overall winner from last years competition, and our first Naturalist Olympian: **Terasa Young** with Clemson Extension!

This *native* fish is the first species of this years *Naturalist Olympics*. Pay close attention to the opercular flap (ear flap) and the color surrounding it. Also, note the blue streaks along the face. Send your answer f to naturalistolympics@gmail.com. A second event--and the ID of the fish--will be announced in the next *Lesser Squawk*.

Thanks to everyone who competed in our Naturalist Olympics, as described in the Summer issue of [The Lesser Squawk](#). Roughly 2/3 of entrants correctly replied, the native reptile is an [American Alligator](#).



Photo Courtesy of Pamela Corwin



Photo Courtesy of Pamela Corwin

McAlhany Preserve Updates: Longleaf Restoration Initiative

America's Longleaf Restoration Initiative is a collaborative range-wide effort to restore and conserve longleaf pine (*Pinus palustris*) ecosystems. Charleston Natural History Society began contributing to that effort in 2005, four years before the Initiative's Range-Wide Conservation Plan for Longleaf Pine was written. Although the longleaf restoration area at McAlhany Preserve is a small contribution to the range-wide effort (43 acres out of the Preserve's 368 acres), the restoration we are accomplishing is high quality and has already served as a demonstration site. Improvements will likely continue for a long time. Last January five member volunteers conducted a successful dormant season [prescribed burn](#). Three of the six burn units were burned totaling 22 acres. Units are burned on a 2 to 3 year rotation, setting back growth of fast growing hardwood and loblolly pine competition, and allowing the herbaceous ground layer vegetation to thrive. This frequency of prescribed fire is imperative for re-establishment and long term maintenance of longleaf pine forest. Each year, new volunteers assist CNHS's certified prescribed fire managers and volunteers always seem to enjoy the activity. It can be a fun, exiting, and rewarding thing to be involved in, and more volunteer help is always welcome and needed.



Prescribed fire to maintain longleaf pine forest

Dr. Jeff Glitzenstein, research associate with Tall Timbers Research Station reported that plantings of American chaffseed (*Schwalbea americana*) he established in the longleaf area of McAlhany Preserve are surviving and growing. American chaffseed is native to pine flatwoods and is listed as federally endangered.

Wetlands are also an important part of longleaf pine forests. Last September, efforts began to restore wetland values and functions to a low-lying area within the longleaf project that was formerly drained for agriculture. Seven hundred feet of ditch was filled and the natural contours regraded. On work day in January, February, and March, member volunteers, Citadel cadets, and partners planted pond cypress, ferns, and other native wetland plants and broadcasted nine species of native wetland plant seed on the site. The site holds surface water seasonally or periodically, so it may not look wet at all times. It is already attracting deer, wading birds, and amphibians. This project was made possible by cost share assistance from the Natural Resource Conservation Service's Wetland Reserve Program and technical assistance from the U.S. Fish and Wildlife Service's Partners for Fish & Wildlife program.

To become involved in improvement and management activities on the Preserve call (843)607-1070 or e-mail joe.cockrell@comcast.net, or watch for announcements at monthly meetings, on periodic e-mail notices, and on Charleston Audubon & Natural History Society on [Facebook](#).

• Joe Cockrell, joe.cockrell@comcast.net

The Land and Water Conservation Fund

Over the past forty-five years, the [Land and Water Conservation Fund](#) (LWCF) has provided funding to help protect South Carolina's most special places and ensure recreational access for hunting, fishing and other outdoor activities. LWCF state assistance grants have supported hundreds of projects across South Carolina these include local parks, boat ramps, pools, soccer fields, and tennis courts.

The LWCF is not funded from taxes but rather from a small portion of the revenues collected from offshore oil and gas leases. Congress intended LWCF to compensate the American people for the depletion of their offshore resources by conserving other natural resources and providing recreation. To date South Carolina has received almost \$180 million in LWCF money. This is money that has for the most part, gone into local communities providing jobs and recreation for South Carolinians.

Unfortunately, year after year, much of this offshore revenue is diverted to other purposes, leaving LWCF perpetually underfunded. Recent funding levels tell the story. The Fiscal Year 2011 budget cut LWCF to \$301 million. This is a mere one-third of the program's authorized level of \$900 million annually. These cuts drastically undermine this incredibly successful bipartisan program and cause hardships for landowners, communities and local economies all across America.

LWCF is a wise investment to ensure access to public lands for hunting, fishing and outdoor recreation and support economic vitality and jobs in communities. LWCF positively impacts people and jobs in every state. Active outdoor recreation contributes \$730 billion to America's economy every year and supports 6.5 million jobs. More than [87.5 million people enjoy hunting, fishing or other wildlife-related recreation](#), spending \$45.7 billion annually in local communities. In South Carolina 1.9 million people take to the outdoors and add \$2.5 billion to the state's economy. Strategic land acquisitions by agencies such as the National Park Service and U.S. Forest Service promote management efficiencies and often result in significant cost-savings to agencies.

Years of funding shortfalls and diversion of LWCF funds represent a broken promise to the American people. Congress made this promise almost fifty years ago and needs to keep it. Please contact your representatives in Congress and let them know that you expect them to provide consistent and robust funding to LWCF. Ask them to lend their voice in support of LWCF.

• Steve Moore

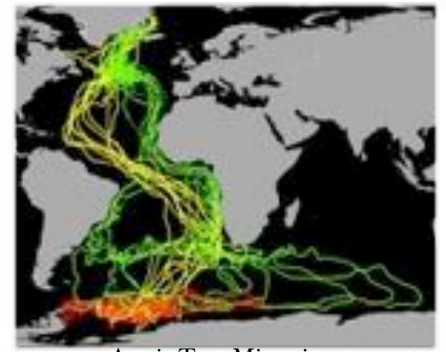
Citizen Science, Get Involved!

Migration is an amazing event that many species tackle twice a year to travel from wintering grounds to breeding grounds, and vice versa. The most renowned world traveler is the Arctic Tern that was found in 2010 to travel 2 times further than previously thought. Check out this [article](#) by National Geographic on the Arctic Tern's incredible journey.

Hawk Watch is an ongoing seasonal migration survey with point counts in migration areas all over the country in major flyways. As residents of the low country we are very lucky to be in the [Atlantic Flyway](#). We see big numbers of migrating raptors from mid September through November. The Center for

Birds of Prey has a Hawk Watch station that you can participate in! Not only do they have a count station but they also have something that other Hawk Watch stations don't have: Sid Gauthreaux, one of the world's leading radar migration specialists. Through his career Sid has been using the [WSR-88D \(NEXAD\) radar](#) for studying migrating birds. By using this radar we have a great advantage to spot migrating raptors as they pass over that we may have missed before. This revolutionary system could really improve our count data, as well as lead to new discoveries and information about bird migration. If you'd like to be a part of this revolutionary project happening in your own town, please contact me at the email listed below.

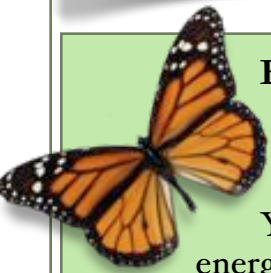
• Jennifer Tyrrell, Jennifer.tyrrell@avianconservationcenter.org



Arctic Tern Migration



BIRD RADAR



Energy & Recycling Tips: JUNK MAIL

Are you still getting loads of junk mail?

Yes, you can recycle it. Better yet, you can reduce the energy it takes to recycle all that junk mail and to deliver it to your home by eliminating it's delivery for goo. [Direct Marketing Associates](#) allows you to specify the mail you want to receive and the items that are junk. You can manage your junk mail on their [website](#) or send a note (preferably on the other side of a printed piece of paper in a reused envelope) to the following address:

Mail Preference Service,
Direct Marketing Association,
P.O. Box 9008,
Farmingdale, NY, 11735-9608.

Since this is our first newsletter of the school year, I'd like to enlist your help. If you have any recycling, reuse or energy saving tips, please send them to me. I will gladly include them in the newsletter.

Send to:

Ann Shahid

rashahid@att.net or call 843-695-0175 (only long distance from Mt. Pleasant and Folly Beach)

• Ann Shahid ashahid@audubon.org



The Charleston Audubon Bird Seed Sale: Fall 2012 Order Form

Order by October 15, 2012 — Pick-up November 3-11 at local *Wild Birds Unlimited* locations

The Audubon Society's mission is to conserve and restore local ecosystems, focusing on birds, other wildlife and their habitats. This sale benefits our local Audubon chapter, the Charleston Natural History Society, and is made possible by area *Wild Birds Unlimited* stores.

HOW TO ORDER

1 Select Your Seed Indicate how many bags (20 lbs each, 50 lbs black oil sunflower available) and total the cost. *These are top-quality seeds and seed mixes. Inexpensive blends often contain milo and wheat which most birds won't eat, leading to waste.*

2 Choose a Pick-up Location Orders and payment must be mailed by October 15th. You will pick-up your order at one of two Wild Birds Unlimited stores (addresses below):

- ☐ West Ashley
☐ Mt. Pleasant (mark one)

3 Tell Us Your

NAME _____
ADDRESS _____
PHONE _____
eMail _____

DESCRIPTION	LBS.	PRICE EACH	HOW MANY	TOTAL
No Mess Patio Blend NO SHELLS, LESS WASTE & CLEAN-UP	20	38.00		
Black Oil Sunflower PREMIUM, TRIPLE-CLEANED	20	22.00		
	50	45.00		
Deluxe Blend QUALITY SOUTHEAST MIX	20	27.00		
Supreme Blend WITH SUNFLOWER CHIPS	20	28.00		
Choice Blend WITH PEANUTS AND SF CHIPS	20	29.00		
Tree Nutty Plus Blend FRUIT. NUTS. SUNFLOWER SEEDS.	20	38.00		
Safflower DISLIKED BY SQUIRRELS	20	29.00		
White Millet FOR SPARROWS, JUNCOS & MORE	20	20.00		
Suet: Nut & Berries MOST POPULAR SUET CHOICE		3.00		
Suet: Hot Pepper Dough TOO HOT FOR SQUIRRELS!		4.50		
Bark Butter Bits ATTRACTS A HUGE ASSORTMENT OF BIRDS!	3.5	10.00		
TOTAL DUE				

4 Send Order & Payment

Send the top portion of this form with a check or money order made out to the Charleston Natural History Society (CNHS) to:



C.N.H.S.
P.O. Box 504
Charleston, SC 29402



The Charleston Audubon Bird Seed Sale: Fall 2012

Order by October 15th – Pick-up November 3-11 at the *Wild Birds Unlimited* you chose above:

Wild Birds Unlimited
Mt. Pleasant, SC
Moultrie Plaza

Wild Birds Unlimited
West Ashley, SC
St. Andrews Shopping Center

Pick-up seed Nov. 3rd-11th:
10 am – 5 pm, Sun. 12 – 4 pm

Many, many thanks to

Wild Birds Unlimited

Questions? Contact Paul: paulnolancnhs@gmail.com or Steve: steve@charlestonaudubon.org

>>> Please **DO NOT** call Wild Birds Unlimited with questions about your order <<<

5 Mark Your Calendar

Keep this portion of the form and be sure to pick-up your order!

6 Help Our Sale Succeed!

Please encourage friends, family members and neighbors to order.
(Extra order forms online at www.CharlestonAudubon.org)



**The Charleston Audubon &
Natural History Society**

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**Mark Your Calendars:
Field Trips, Lectures &
Fall Bird Seed Sale**



Charleston Audubon – serving Berkeley, Charleston and Dorchester counties, founded as the Charleston Natural History Society in 1905, and a chapter of the National Audubon Society since 1970 – is a nonprofit environmental organization that actively promotes awareness, appreciation and conservation of the natural environment through educational programs, field trips, conservation projects, sponsored research and social activities.

Learn more at www.CharlestonAudubon.org — And look for us on Facebook! (search “Charleston Audubon”)

<< clip & save >>



Save the Date(s)

Post this sheet as a reminder & come join us.

GIVE US A CALL! To help you stay on top of upcoming events, even without internet access, we're trying out a telephone call-in system. Call 843-720-9736 (that's 843-720-WREN) each month to hear a listing of upcoming lectures, field trips, and other events.

UPCOMING LECTURES

Sept. 12th, Using Research to Address Conservation Issues for Seabirds in the SE US and Caribbean, Dr. Patrick Jodice, Clemson University.
Oct. 10th, Wood Stork Banding, Colette DeGarady, The Nature Conservancy
Nov. 14th, “Winging It” in a Human World. Patrick McMillan, Clemson University and ETV
Jan 9th, 2013, Amphibians in a Changing World: Environmental Stress and the Future of Frog Populations. Dr. Allison Welch, College of Charleston.

UPCOMING FIELD TRIPS + EVENTS

Sept. 9 Botany Bay
Sept. 22 Orangeburg Sod Farms
Oct. 14 Butterfly walk at Fort Johnson
Oct. 21 Anniversary Celebration at McAlhany Nature Preserve
Nov. 10 Savannah NWR
Nov. 17 (tentative) Details TBA.
Dec. 1 Poplar Grove
Dec. 15 Huntingdon Beach State Park
Jan. 5 Christmas Bird Count

www.CharlestonAudubon.org: The Lesser Scaup newsletter has gone digital – visit the website to subscribe! Online calendar has more details and contact information.

LECTURES are on the second Wednesday of every month, from 6-8 p.m. in the Duckett Hall Auditorium on the Citadel. Ask for directions at the gate, or a map is online: www.citadel.edu/root/directions-maps

FIELD TRIPS are now coordinated by Andy Harrison; to attend, please register with Andy prior to the event date at parula23@aol.com or 843.795.6934.

VISIT www.CharlestonAudubon.org

MOST VIEWED

See what all the facebook fuss is about. Here's what our Charleston Audubon & Natural History Society facebook friends have been checking out this summer:

1. *If you like a clean environment THANK A VULTURE.*
2. *Do You Have an Osprey Nest Nearby?*
3. *"Hole Punch" Clouds.*
4. *Can you Identify this Bird?*
5. *Tiny Dragon Discovered in Indonesia*
6. *A Beautiful Ruddy Duck to Start This Great Friday off With.*
7. *Buying local organically grown produce is not only good for your family's health, it is also good for the birds.*
8. *Have you ever seen a tornado of Swifts swirling down into a chimney at dusk?*
9. Mother Nature Network picture
10. *90.1 million Americans enjoyed some sort of wildlife related activity in 2011, including, hunting, fishing, wildlife watching and birding!*



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