



December 2012  
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Number 04

# the curlew

## Lower Columbia Basin Audubon Society

A Chapter of the National Audubon Society

### Special Interest Articles:

- No membership meeting because we will all be at the Christmas bird count!
- Potluck at the Grange in Pasco December 29!
- Christmas bird count results at the Potluck!

### Individual Highlights:

- President's message  
2
- Bird Sightings 5

## Christmas Bird Count! Come one and All to our Annual bird count followed by Potluck dinner!

### December 29, 2012

This year's count will be held Saturday, December 29<sup>th</sup>.

This count, which has occurred nationally for 113 years, and locally for nearly 40 years, is done in over 1,900 locations around the United States and nearby countries and involves over 60,000 volunteers. **Anyone that enjoys looking at birds can help. And this year NO fee to participate.**

**Ray Johnson (509-521-5971)** will lead the Richland team this year, while **Tom and Barb Clarke (509-554-7936)** will lead the Pasco team.

### Bateman Island Bird Walk *with Lisa Hill*

#### December 1, 2012

December was off to a good start with a breezy, but mild day and plenty of birds. As is typical of the season, there were high numbers of waterfowl mostly in scope range to the west of the island and near Columbia Point. Most

The team lead for the Kennewick area will be **Rich Barchet (509-430-0053)**. Please call the team leads to participate in their cities. **For more information on the Tri-Cities Christmas Bird Count, please contact Dana Ward at (509) 545-0627.**

All Christmas Bird Counts are standardized to a 7.5 mile radius circle (about 177 square miles). The LCBAS count circle is registered as the Washington Tri-Cities Circle and centers on the Columbia River just off shore near the end of Road 68 in Pasco. The Tri-Cities count starts in three locations at

7:30am, December 29<sup>th</sup>.

Some hardy souls may choose to do some owling after the official start time of 12:00am midnight. The three start locations where volunteers can start are:

**Richland** – The “Fingernail” in Howard Amon Park

**Kennewick** – Audubon Nature Trail in Columbia Park

**Pasco** – Chiawana Park Boat Ramp

From these locations we split into smaller teams led by more experienced birders. Some birding skills are nice but not required.

**Continued on page2**

of the birders got good looks at a CLARK'S GREBE with its bright orange bill. COMMONS LOONS were near the marina and on the Columbia River along with two AMERICAN WHITE PELICANS. Many gulls loafed on a mudflat in the delta. No rarities, but a few

GLAUCOUS-WINGED and HERRING GULLS mixed in.

Birds of prey species were a close second to the waterfowl species numbers: RED-TAILED HAWK, NORTHERN



"Clark's Grebe"  
Photo courtesy  
allaboutbirds.com<sup>2</sup>

## Greetings from the President!

*With Robin Priddy*

At our last board meeting we had the opportunity to welcome a new Vice President, James Cleaver! We are so happy to have this important position filled, and look forward to James' participation. His postings on LCBIRDS2 are already well appreciated. Thank you, James!

Ed Rykiel held a banding in the parks event last month at Claybell Park. Cherie Baudrand took 24 participants in Junior Audubon. (see next page) Ed's efforts to get citizen science and banding going in the Tri Cities have resulted in three banding locations- Bateman Island, Leslie Groves north, and two at Claybell Park. This banding is a great addition to our community; and besides the outreach it is developing local bird data that can support us in the future.

*Continued on next page*

## Bateman Island Walk *Continued*

HARRIER, BALD EAGLE, COOPER'S HAWK, SHARP-SHINNED HAWK, three GREAT HORNED OWLS and the winter resident PEREGRINE FALCON out on the mudflats.

It was nice to find an uncommon VARIED THRUSH along with several HERMIT THRUSH. We heard a PACIFIC WREN but

could not get it to show itself. A flash of yellow drew our attention to an ORANGE-CROWNED WARBLER.

Wrap up 2012 by participating in the Tri-Cities Christmas Bird Count on Saturday, Dec 29<sup>th</sup>. Check out all the event information at [LCBAS.org](http://LCBAS.org). Kick off the new year at the next Bateman Island bird walk on Saturday, January 5. Meet at 8am in the parking lot of Wye Park. Birders of all skill levels are welcome.

### Bird Count and Potluck *continued*

Our goal is to count as many birds within the circle during the day (24 hrs). To do this, we need as many teams as possible. There can be a fair amount of walking involved, so keep this in mind when making plans. But much counting will be done from car windows for those that prefer that form of participation. Birds seen at bird feeders within the count circle are just as important to the count.

At the end of count day, the LCBAS has their annual Christmas Potluck. The dinner is now held at the Columbia Grange #938, 6300 Court Street, Pasco. Please bring a main dish and dessert to share. You will need your own tableware. Start

assembling at 5:30PM and we will eat and later present the day's highlights. Also the Grange will be open all day for those that would like to stop by for warm drinks and discuss what they have seen.

You do not need to be a member of the Audubon Society to help and there is **no fee** as in years past. We do need all participants to sign in so that team leaders can maintain appropriate records for the Christmas Bird Count data management.

The information that all counts generate is reviewed and placed in a database that is available to everyone on the Internet. The database can be accessed through [www.birdsource.org](http://www.birdsource.org), then selecting the Christmas Bird Count icon. The Tri-Cities Count code is WATC.

### AUDUBON ADVENTURES

Once again LCBAS has purchased 15 Audubon Adventures kits for Tricities classrooms: Tapteal Elementary in West Richland, Kingspoint Christian School and Whittier Elementary in Pasco, Jason Lee Elementary in Richland, Hawthorne Elementary, [Calvary Christian School](#), and Edison Elementary in Kennewick, and the McNary NWR Educational Center in Burbank. One of the 15 kits was purchased for the Junior Audubon Program in Cherie Baudrand's classroom at Hawthorne Elementary. The total cost of all the kits remained the same as last year: \$689.25.

Any interested LCBAS member who would like to contribute to the cost of this project can make out a check to LCBAS and indicate that it is for the Audubon Adventures program. Send checks to post office box, P.O. Box 1600, Richland, WA 99352 in care of our treasurer, Katie Harris.

## President's Message Continued

Many thanks to Lucie Fritz and Barb Clarke for continuing their work with school presentations. Kennewick second grade is including "birds and beaks" as part of their science curriculum; a nice opening for LCBAS and our education programs. Marilyn Hayes has acquired 15 Audubon Adventures kits for local classrooms this year.

Heidi Newsome and Kathy Criddle attended the Alternative Gift Fair at the Unitarian Universalist Church in Pasco and were able to raise over \$600 for LCBAS. They also handed out information about us and were on the news!

We are working to arrange a trip to see Sage Grouse on the Yakima Range in April. Dates aren't set yet, they will let us know which April date will work with their training schedule; we'll let everyone know as soon as we get a date about this unique opportunity.

I hope everyone enjoys a happy and healthy holiday season and we hope to see you at the Christmas Bird Count on the 29th of December - come count birds or to the potluck (more information elsewhere in this issue) it's fun and a great way to enjoy some quirky birder humor.

Thank you for the privilege of serving as President.  
Robin



*Banding in the Park!  
Junior Audubon assists.*

## Comparison of the Movements of Wintering and Resident Birds in Urban Parks or "Banding in the Parks"

Ed Rykiel is leading a Lower Columbia Basin Audubon study which will investigate the movements of wintering Gambel's White-crowned Sparrows (GWCS, *Zonotrichia leucophrys gambelii*), Oregon Juncos (ORJU, *Junco hyemalis oregonus*), Song Sparrows (SOSP, *Melospiza melodia*), and House Finches (HOFI, *Carpodacus mexicanus*) at three locations in the city of Richland, WA. Color bands will be used to denote the site where the birds are banded. Banding sites represent a north-south transect that borders the western shore of the Columbia River, and the banding sites are located in city parks. We hypothesize that the wintering populations are segmented with limited foraging ranges and therefore we do not expect to detect north-south movement of color banded individuals.

The primary study objective is to detect the foraging movements of birds banded in park areas within an urban environment that varies from typical city neighborhoods to commercial districts.

The second objective is to use this project to educate and engage the urban population about birds and the elements of landscapes that reflect habitat connectivity through which species can travel. The engagement of the urban population in reporting observations of banded birds is a significant component to augment data from recapture of banded birds.

The results of this study could potentially inform urban development in Richland, the role of natural space in maintaining bird populations with the city, the landscape corridors that assist avian movement, and the impact of urban landscape fragmentation.

## Jr Audubon Visits Banding in the Parks at Claybell Park

Six Junior Audubon families with 7 children eagerly followed the trail to the banding location near Claybell Park on Saturday, Nov. 17. Two visitors, one, with son, wife and three grandchildren, and the other, an Audubon member from Walla Walla, plus our volunteers Marilyn Hayes, Barb and Tom Clarke, came to see Ed Rykiel's team work on the Banding in the Parks project. The families were enthralled watching a scientist in action. They loved seeing a Black-capped Chickadee and White-crowned Sparrows up close, and the Hermit Thrush was a nice surprise after we'd waited anxiously for it to be untangled from the net.

We were impressed with Blythe Clarke's presentation about how and what data is recorded, and grateful to the volunteers, Matthew Engel and Allison Hall-Mullen, who are helping Ed with the project. A total of 9 birds were banded. Six Gambel's White-crowned Sparrows were also outfitted with hot pink color bands as part of the study. Please let Ed know if you see one of them. It was a perfect outing for Junior Audubon members. As we were leaving, one of the dad's asked, "When is the next outing like this?" I don't think we can top this one! ...Cherie Baudrand

## Bird banding camp 2012

This year at banding camp was one of my favorite years. On the third day we set up a swallow net across the lake and caught over 40 violet green swallows. Most of them were juvenile and we are guessing that the few adults were teaching them how to hunt. I also got the chance to band a stellar jay and let me tell you it was not easy they weigh in at about 3 pounds and have massive claws. It was the biggest bird I've banded yet and definitely a challenge. I also got to band a juvenile warbling vireo but the interesting part is that we had its mother so they were calling back and forth we let them go at the same time and they flew off together. We had a lot of juncos like we do every year but it's a good bird to practice processing fast on and I am much better at determining body molt, flight feather molt and skull then I was before. At the end of the day or week I should say we did a lot of good banding and I thank LCBAS for the opportunity.

Blythe Clarke

## Spring Sage Grouse Viewing Tour is in Planning stages!

The tentative dates are Apr. 6, 7, 13, or 14. The final date will be set later when the Yakima Training Center (YTC) schedule is known. The tour will start at approximately 1 ½ hrs before sunrise. That's ~4:30 AM. There will be a presentation the night before at the YTC. The trip is limited to 15 people. Scopes are required. The number of vehicles that we can take is also limited. It is recommended that we carpool. SUVs with 4-wheel drive capability, multi-user capacity, and a functional spare tire are recommended. Please stay tuned for further information on how to sign up for this special trip!

**Membership** to Lower Columbia Basin Audubon can make a **great holiday gift!** You can give a gift membership and make donations to LCBAS using a credit card and PayPal. See our website at [lcbas.org](http://lcbas.org) or go to this link: <http://lcbas.org/JoinLCBAS.html>.

Don't forget to "Like" us on Facebook! Anyone can view our page "news feed" at <https://www.facebook.com/lcbas>



### IF YOU RECEIVE THE CURLEW BY MAIL:

Please let us know when your mailing address changes. LCBAS uses a bulk mail permit. This means we mail the Curlew at a reduced rate, but it also means that Curlews are not forwarded (or held by the Post Office) and when they are returned to us, we are charged 45 cents per Curlew. Please notify Rich Barchet at [subscriptions@lcbas.org](mailto:subscriptions@lcbas.org) with any address changes. Or Mail Changes to our P.O. box with Attention to Rich Barchet.

**SAVE the date – Saturday February 23**

**Winter Birds, 9 AM to 12 Noon / Friends' Annual Meeting, 12 Noon-1 PM**

**McNary Environmental Education Center**

Join us to learn more about the birds of the Mid-Columbia. Blue Mountain Wildlife of Pendleton will be at McNary with live raptors. Other indoor and outdoor activities are being planned. Afterward, join the Friends of the Mid-Columbia River Wildlife Refuges for their Annual Meeting. Food and beverages will be provided and the meeting will conclude by 1:00 PM. Check for updates on the Friends website [www.friendsofmcrwr.org](http://www.friendsofmcrwr.org), Facebook or Twitter.

This event is sponsored by the Friends of Mid-Columbia River Wildlife Refuges in partnership with the U.S. Fish & Wildlife Service. The Education Center is located off Highway 12 near Burbank. From Tri-Cities take Highway I-182 East/Highway 12 East to Burbank. Turn left onto Humorist Rd. at second stoplight after the Snake River Bridge. Turn left onto Lake Rd. Look for Education Center on the left.

## BIRD SIGHTINGS FOR NOVEMBER 2012

### North Richland, Leslie Groves and Howard Amon Parks

James Cleaver followed up on Mark Gerber's tip from last month and found the 2 Cackling Geese at WSU, along with a diverse group of Canada Goose subspecies. After Jane and Keith Abel reported a lone male Black Scoter in the river between Nelson Island and the Richland shore on the 3<sup>rd</sup>, several other birders searched unsuccessfully for him, but reported other findings: Chad Merkley relocated the White-winged Scoters that the Abels reported on Halloween and James Cleaver reported an adult non-breeding plumage Lesser Black-backed Gull (plus 4 other gull species) and Greater and Lesser Scaup. The Abels located 6 White-winged Scoters for Rocky and I and for Bob and Pat Woodley.

Mary Lilga welcomed Pine Siskins and American Goldfinches at her thistle feeder and reported hearing Red Crossbills flying over her yard as did Laurie Ness. Jane, Keith and Chad found and photographed Red Crossbills (rare winter irruptives) on the 25<sup>th</sup> in the 2100 block of Davison. Bob Woodley's yard counts included Red-breasted Nuthatch, male Spotted Towhee, male Varied Thrush and Sharp-shinned Hawk.

Jane and Keith's count for the Leslie Groves park area, including the river, was over 40 species. Normal sightings for them included Varied and Hermit Thrush, Yellow-rumped and Orange-crowned Warblers, Ruby-crowned Kinglets, Cedar Waxwings, Pine Siskin, Bewick's and Pacific Wren, Spotted Towhee, Black-capped Chickadees, Fox Sparrow, Downy Woodpecker, American Kestrel, Sharp-shinned, Cooper's and Red-tailed Hawks, Merlin and Bald Eagle. In the river this month: Black Scoter, White-winged Scoters, Red-necked Grebe, Wood Duck, a female Ruddy Duck, Canvasbacks, Goldeneyes, Scaup, Mallards, Wigeons, Bufflehead, Hooded Merganser, and 12 Killdeer on Nelson Island.

Their more uncommon sightings in November

included a MacGillivray's Warbler on 11/1 (latest recorded date is 9/27), Golden-crowned Kinglet, Red Crossbills, 4 Brown Creepers (seen also by the Woodleys), a Wilson's Snipe, Rough-legged Hawk, an Osprey, and 7 swans flying down the river.

Rich Barchet spent about 45 minutes in the park and counted 23 species including a Brown Creeper, Varied Thrush, Ruby-crowned Kinglet, Belted Kingfisher and on the river, among other fowl, Common and Barrow's Goldeneyes, Cackling Geese and a Gadwall. Mid-month, in Howard Amon, James Cleaver found a lone Pacific Loon in the Columbia and on the Franklin county side a lone female Surf Scoter.

### Yakima Delta and Bateman Island

Bob Woodley and his wife birded the Delta on November 2 and saw a number of shorebirds including a Great Egret, 12 Long-billed Dowitchers, and a Bonaparte's Gull. Bob Derting counted 3 Greater Yellowlegs, several Green-winged Teal and many Northern Pintails at the Yakima River Delta on the 20<sup>th</sup>. Phil Bartley saw 6 Greater Yellowlegs and one Orange-crowned Warbler there 4 days later. He reported an "amazing concentration of waterfowl" at Bateman Island on the 24<sup>th</sup> which he estimated at over 200,000 birds! He noted 39 Tundra Swans flying over Bateman Island, 2 Pacific Wrens (one singing), a Northern Shrike, over 20 Dunlin and 4 Western Sandpipers.

### Rancho Reata Area and Amon Creek

Tony Greager reported a Cassin's Finch in Rancho Reata on November 1<sup>st</sup>. Sharon and Neil Ofsthun submitted a yard list including Red-winged Blackbirds, Cedar Waxwings feasting on the Juniper berries, Winter Wren and Varied Thrush.

### W.E. Johnson Park, South Richland and Badger Mountain

An Anna's Hummingbird is still feeding in Lauren Hirsch's yard as of at least the 11<sup>th</sup> of the month. Lisa Hill reported an Anna's in

her yard on Thanksgiving weekend. It's hard to enjoy a hummingbird in your yard when there are no nectar-producing flowers and it's COLD! Lisa assures us that Anna's tolerate the cold rather well and are active all winter on the west side. They have been reported as late as December here.

James Cleaver birded W.E. Johnson Park on the 3<sup>rd</sup>, finding a Hermit Thrush, 2 Golden-crowned Sparrows, a White-throated Sparrow, a Northern Shrike and a Pacific Wren. Late in the month Lisa Hill reported the Park had several hundred American Robins with 12 Hermit Thrush and 10 Varied Thrush mixed in, 10 Fox Sparrows, 4 Golden-crowned Sparrows, a Merlin, the first Evening Grosbeak (another rare winter irruptive) she has seen in the park, 4 Pacific Wrens, and possibly a Long-eared Owl.

Ed Riekkel had a Merlin in the top of his birch tree on the 9<sup>th</sup>. Laurie Ness reported 3 male and 4 female Hooded Mergansers in the lower irrigation pond on Westcliff. She also reported two separate sightings of a flock Red Crossbills flying over the South Richland area. Judy Devine-Geuther had birds lining up to bathe or drink from her birdbaths: Cedar Waxwings, American Goldfinches, Northern Flickers, Golden-crowned and White-crowned Sparrows, Dark-eyed Juncos and Spotted Towhees.

#### **Kennewick, South Benton County, and Crow Butte**

James Cleaver found one Eurasian Wigeon mixed in with thousands of other ducks on the Columbia River north of the Walla Walla River Delta. Moving on to the pond at the east end of Columbia Park he saw about 20 Hooded Mergansers and out on the river there were 3 Common Loons. Ivar Husa photographed a Merlin and a Pine Siskin in his yard. Tony Greager reported a Red-necked Grebe, a Red-breasted Merganser and a Northern Shrike in the Crow Butte area.

#### **Finley Area**

We've all been crossing our fingers for another rare winter irruptive species like this one: Jordene Lucas spotted one Snowy Owl on Haney Road, southwest of Finley, near the wind farm! Bonnie Dunham's highlights were a Spotted Towhee and a Fox Sparrow, joined by new yard birds, a White-throated Sparrow (uncommon) mid-month and a Bohemian Waxwing (uncommon irruptive) with a flock of Cedar Waxwings later in the month!

#### **McNary NWR and West Walla Walla County**

Bob Derting counted 11 Long-billed Dowitchers, 135 swans, many Canvasback, American Wigeon, White Pelicans and a flock of 35 Snow Geese in the Quarry Pond area on the first day of the month. Later in the month he spotted a White-winged Scoter at Port Kelly, a female Black Scoter and a flock of 77 Tundra Swan near the Wallula Junction grain elevator. He saw one Thayer's Gull downstream of Ice Harbor Dam and a Peregrine Falcon on the Snake River Bridge. Chad and his USFWS waterfowl survey team couldn't help but notice 6 Western Bluebirds near the entrance to Madame Dorian Park on the 20th.

#### **North Franklin and Pasco Area**

At Sacajawea Park early in the month Kevin Black found a Bald Eagle, a non-breeding adult Pacific Loon and a Bonaparte's Gull. Songbirds included Orange-crowned Warbler, Ruby-crowned and Golden-crowned Kinglets. A few days later he came up with a Prairie Falcon on the Pasco-Kahlotus Highway, American Tree Sparrow (rare) at Burr Canyon and P-K HWY, Greater Yellowlegs and Killdeer at Lower Monumental Dam. At Devil's Canyon he saw 2 Rough-legged Hawks, and Canyon and Rock Wrens were calling. At Lyon's Ferry he added an Evening Grosbeak, Mountain Chickadee, Brown Creeper, Varied Thrush and 2 Pied-billed Grebes. Altogether that day he saw 8 American Kestrels, 7 Rough-

legged, and 20 Red-tailed Hawks. Ivar Husa found a Sharp-shinned Hawk and a Ruby-crowned Kinglet in Franklin County. Our own yard list in Pasco had the usual birds plus 70 American Crows feasting on pecans.

### McNary Dam Area

Just this once, I'll fudge a bit and report on some good birding that is nearby, but across the river in Oregon. Tony Greager reported on McNary Park late in the month enticing us with a Merlin, Scrub Jays, Golden-crowned Sparrows, 4 Pacific Wrens, 4 Fox Sparrows, lots of waterfowl including Wood Duck and Hooded Merganser, 1 White-winged Scoter, 5 Bonaparte's Gulls and best of all (rare in winter) Swamp Sparrows! James Cleaver headed down to check it out and added these highlights: a male Red-breasted Merganser, 3 Virginia Rails calling, 1 Sora, 7 Gulls (Ring-billed, California, Herring, Glaucous-winged, an adult Thayer's, Bonaparte's and adult Western) and a single Swamp Sparrow (which was a life bird for him).

Thanks for posting your sightings on LCBirds2, e-mailing them to me ([lanirock@charter.net](mailto:lanirock@charter.net)) or calling them in (545-4898). Comments, suggestions, and corrections are always welcome. -Lannie Smith

### Essential and Fun Resource

The Cornell Lab of Ornithology announced that it's Macaulay Library of natural sounds is now completely digitized! This was a huge effort but now provides a wonderful resource. The audio and video recordings are searchable and free to play online, whether to brush up on familiar sounds or to explore the nooks and crannies of the wider world. To discover all there is – over 150,000 audio recordings – visit <http://macaulaylibrary.org/>

## First Conservation Assessment of All American Birds Shows More Than a Third Need Help

(Washington, D.C., October 18, 2012) A new study on the conservation status of American birds completed by American Bird Conservancy (ABC) is the first-ever published to include the full range of bird diversity in all 50 U.S. states and dependent territories. The study finds that more than one third of these birds are in need of conservation attention. More details, including a complete bird list with conservation rankings, can be found at [abcbirds.org/checklist](http://abcbirds.org/checklist).

While the conservation status of bird species has been widely researched in the past, the new study is the first national assessment to also rank the status of subspecies: regional forms of species that differ in appearance, and sometimes in habitat choice and migration patterns.

"By looking beyond the species we can better gauge the conservation status of the total diversity of birds in the United States," said the study's principal author and American Bird Conservancy Vice President, Mike Parr. "There are more than twice as many subspecies recognized as there are full species, so these data provide a more complete picture than we have ever had previously. In addition, birds that are today classed as subspecies may tomorrow be re-classified as full species when more information comes to light. This study will help make sure we don't miss these birds as we move forward with conservation programs. While the good news is that most of the highest scoring (most "At-Risk") birds are already protected by the Endangered Species Act, there are definitely some surprises in here too," Parr said.

"ABC's Conservation Ranking of bird subspecies is a major contribution to our understanding of bird conservation priorities. This assessment elevates these taxa to genuine elements of biodiversity that deserve more attention, and reinforces the fact that we have bird conservation work to do essentially anywhere you look in the United States" said Terry Rich, National Coordinator for Partners in Flight (PIF), a cooperative effort concerned with conserving bird populations in the Western Hemisphere.

"By focusing new conservation attention on distinctive bird populations adapted to local habitats, this new analysis adds significantly to our species-centric view of conservation priorities," said Ken Rosenberg of the Cornell Lab of Ornithology and Chair of Partners in Flight's International Science Committee. "Our hope is that more regional and local groups will become engaged in helping to keep these birds from slipping through the conservation cracks."

In total, of the 1,826 birds that were assessed, 273 species or subspecies (or 15%) were regarded as **Secure** ●. Some of these are birds (e.g., the familiar American Robin) that have been able to adapt well to habitat changes caused by humans, while more specialized species, for example, the Wood Thrush and Grasshopper Sparrow, have been unable to adapt to many of these changes. A further 850 birds (46%) were considered to be of **Potential Concern** ●, meaning that they are also currently safe, but may need more careful monitoring than those in the Secure category. The remaining birds were categorized as **Vulnerable** ● (547 birds – 30%), and **At-Risk** ● (156 birds – 9%).

"Many of the species and subspecies that are of greatest concern are specialists – restricted to certain food sources or particular natural habitats," said American Bird Conservancy President George Fenwick. "We are urging the bird conservation community to take a closer look at the Vulnerable and At-Risk species and subspecies in particular. Many of these are below the radar for conservation right now," he added. "Of course this doesn't mean that we shouldn't try to keep common birds common as well. As conservationists, our goal should be to maintain both the abundance and the diversity of birds. Both common and rare species are sustaining significant and unnecessary losses due to habitat change and avoidable mortality caused, for example, by collisions, pesticides, and cat predation."

**The Curlew**

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**Please Note: LCBAS Chapter Benefits** (includes a year's subscription [10 issues] to *The Curlew*) this is an additional cost to membership in National Audubon Society.

- \$20. for annual membership benefits dues or
- \$10. for full time students.

Please make check payable to **LCBAS**. I can help with an additional donation of \$\_\_\_\_\_

- Send *The Curlew* to my email address listed below. All my dues will go towards supporting LCBAS in local education and conservation efforts. \_\_\_\_\_

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**National Audubon Society Membership** (includes annual subscription to *Audubon Magazine*)

- \$20. for one year new membership in the NAS. This payment includes membership in the local chapter (LCBAS) but does not include a subscription to *The Curlew*

Please make check payable to **National Audubon Society**. Please do not send renewals for NAS to LCBAS.

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