# OUTH HORE KIMMER

VOLUME 46. NUMBER 6 — SOUTH SHORE AUDUBON SOCIETY

**MARCH 2016** 

#### **NEXT MEETING**

Paul Stessel

**DATE:** Tuesday, March 8, 2016

**TIME**: 7:30 P.M.

**PLACE**: Freeport Memorial Library

144 W. Merrick Rd. (at S. Ocean Ave.)

**SPEAKER**: Sue Krause

**TOPIC:** Wonderful Wildlife of Long Island — Past

and Present

This month's program is a chance for us to learn about some of the awesome animals (wolves, rattlesnakes, bears, and four extinct species of birds) that used to call Long Island home. We will also explore some of the existing animals here (including Bald Eagles, otters, and flying squirrels) that most of us rarely get to see, and where they may be hiding!

Sue Krause is an environmental educator and naturalist with a bachelor of science degree in Wildlife Biology. She is the long-time president of Smithtown-based Four Harbors Audubon Society. Back in 2011, she was our guide on a wetlands cruise out of Stony Brook. Join us for her PowerPoint presentation!

**Pre-Meeting Book Discussion.** Arrive a half-hour early to participate in a discussion led by R. U. Abyrdar II (aka Paul Stessel) of the book that he and Sy Schiff reviewed in the previous *Skimmer*. This meeting's book is *Why Do Bluebirds Hate Me?* by Mike O'Connor.

**Parking Lots.** In addition to the parking lot adjacent to the library, there's a lightly used, well-lit, and fairly close municipal lot on the east side of S. Ocean Ave., on the near (south) side of the gas station that borders Sunrise Highway.

IN ORDER TO MINIMIZE WASTE, PLEASE BRING COFFEE MUGS TO OUR MEETINGS.

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SSAS Mission Statement — The mission of South Shore Audubon Society is to promote environmental education; conduct research pertaining to local bird populations, wildlife, and habitat; and preserve and restore our environment, through responsible activism, for the benefit of both people and wildlife.

# PRESIDENT'S MESSAGE More Info About a Tennis Tournament at HLSP in May, with a Request for Your Help

Betty Borowsky

Last month I reported that a tennis tournament was planned for this May at Hempstead Lake State Park, during the height of the spring migration. I sent a letter to Governor Cuomo strongly protesting this decision. Below are the relevant sections of the letter I received in response from Rose Harvey, the Commissioner of the New York State Office of Parks, Recreation and Historic Preservation:

"We have partnered with the U.S. Tennis Association (USTA) to sponsor a seven-day tournament at Hempstead State Park. The USTA will be upgrading the current tennis courts to make them first class for our patrons. Temporary bleachers will be installed for spectators to enjoy the tennis tournament and will be removed when the tournament is over. Other temporary structures may be installed for the tournament but will also be removed and the areas will be brought up to standards when the event is concluded.

"This is a seven-day tournament that will take place in May when park attendance is usually down and we believe we can still accommodate both the park users as well as the tennis tournament.

"There is minimal environmental impact to the park and any disruptions will be mitigated.

"As I stated, Hempstead State Park is a unique park and this venue will be showcasing the beauty of what Hempstead has to offer to a new audience. One of our goals at State Parks is to continually improve our parks and increase attendance to them. Thank you for your thoughts and please be assured that we are fully engaged with the USTA to make sure there is not a negative impact to Hempstead State Park."

In spite of these assurances, we are highly skeptical of some of these statements. Among other things, I question whether "attendance is usually down" during this period; and I sincerely doubt that "showcasing the beauty of what Hempstead has to offer" can be accomplished by a tennis match. 60,000 visitors in addition to the usual number of visitors are expected during the tournament.

So we are asking for your help. First, we urge you to write to Governor Cuomo, protesting this incursion on a



designated Important Bird Area during the precise period when migratory birds will be most affected; and second, we urge you to photograph the site before, during construction, during the tourna-

ment, and afterwards, and send the photos to us. I truly hope the Park will be unaffected, but if it is, it is very important to document it.

The Governor's address is: The Honorable Andrew M. Cuomo Governor of New York State NYS State Capitol Building Albany, NY 12224

Photos may be sent to ssasweb@optonline.net or you can add them to our Facebook page.

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Joe Landesberg

All walks start at **9** A.M.; no walk if it rains or snows or temperature is below 25°F. Call me at 467-9498 in case of questionable conditions or for other info. Directions and lists of what we've seen are at ssaudubon.org.

Feb. 21	Mill Pond Park (Wantagh/Bellmore, north side of Merrick Rd.)
Feb. 28	Point Lookout Town Park, S.E. corner
Mar. 6	Jamaica Bay Wildlife Refuge
Mar. 13	Jones Beach West End #2, N.E. corner
Mar. 20	Hempstead Lake State Park (Southern
	State Parkway Exit 18 south, Field #3)
Mar. 27	Happy Easter — No Walk
Apr. 3	Alley Pond Park (76th Ave. parking lot)
Apr. 10	Norman J. Levy Park and Preserve

## ት**ጵ** WELCOME NEW MEMBERS ት**ጵ**

Wendy Murbach

One of the wonderful perks that you get from an Audubon membership is the chance to be a part of your local Audubon chapter, South Shore Audubon Society.

You are automatically a valued member of this active and friendly chapter, so please come out to the next meeting at the Freeport Memorial Library from 7:30–9:30 P.M. on the second Tuesday of the month to hear what you can do to help preserve your local environment's health and viability, to hear about local issues that you can help to solve, and to see an interesting program.

Whether you are a beginning birder or someone with a large life list, you will enjoy our weekly Sunday bird walks. Check out the special events that are mentioned in this *Skimmer*. Attend them yourself, and bring your family and friends too.

You are warmly invited to be an active participant in this vibrant all-volunteer organization comprised of persons who, like you, care about the earth we live on, about our local environment, and about the creatures that live alongside us.

Our new members since the last Skimmer are:

Bellmore	Marcia Bernstein, Richard Diamond
East Rockaway	Lillian Miller
Floral Park	Harry Taylor
Franklin Square	Lynda Mussen
Garden City	Patricia C. Donnelly
Glen Oaks	M. Morales Guzman
Hempstead	Yee Ling Lee, Gerald J. Strein
Levittown	Susan Thomas
Long Beach	Scott Evers, Barbara Sengenberger
Massapequa	Brian Doherty
Merrick	Katherine Baumann,
	Teresa Monteverde
Oceanside	Irving Elfie
Plainview	Lee Goldberg, Barbara Nelsen, Ann
	Spinella, Jim Werner
Rockville Centre	Marianne Lawless
Wantagh	Roberta Chase
West Hempstead	Diana Cristiano, Dr. Miriam Gordon
<b>************</b>	******
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A SPRINGTIME HIKE AT BREEZY POINT (Sun., Mar. 6, 10 A.M. to 12:30 P.M.). Meet at Fort Tilden, Bldg. 1, and carpool in a caravan led by Mickey Maxwell Cohen to the little-known western tip of Rockaway Peninsula. Highlights will include seashells and other stranded critters, dune foliage, shorebirds, and a surprising variety of rocks and minerals. For info & reservations, e-mail Mickey at bmcohen2@gmail.com.

**EARLY SPRING BIRD WALK** (Sat., Mar. 26, 10 A.M. to 1 P.M.). Meet at the Jamaica Bay Refuge for a slide program and walk to look for Eastern Phoebes, American Oystercatchers, Osprey and other early migrants. Leader: Don Riepe. Contact Don for info & reservations. With NYC Audubon. Free.

DEAD HORSE BAY, NY'S BEST KEPT NATURAL SECRET (Sun., Apr. 3, 10 A.M. to 12:30 P.M.). Hike the trails and shoreline at Dead Horse Bay, Floyd Bennett Field, with Mickey Maxwell Cohen, author of "Discovering the Trails of Dead Horse Bay." Sturdy footwear is essential. For info, call the refuge at (718) 318-4340 or e-mail bmcohen2@gmail.com.

**SPRING BIRD MIGRATION** (Sat., Apr. 16, 10 A.M. to 1 P.M.). Meet at the Jamaica Bay Refuge for a slide program and hike around the gardens and ponds. Leader: Don Riepe. Contact Don for reservations. Free.

For information and free field trip brochure, call/write Don Riepe, (718) 474-0896, donriepe@gmail.com, 28 West 9th Road, Broad Channel, NY 11693; www.littoralsociety.org.

## PROTECTING WILDLIFE AND PUBLIC HEALTH FROM FERAL AND FREE-ROAMING CATS

Editor's note: The following is posted on Audubon NY's Web site; it is one of the Conservation Policy Resolutions that have for many years been written, updated, and approved by Audubon NY's staff and our state's chapters. You can find them at http://ny.audubon.org/conservation/advocacy/policy-resolutions. The December issue of the Skimmer included our request that SSAS members support the American Bird Conservancy's petition to have Jones Beach's feral cat colonies be removed; it's at http://abcbirds.org/get-involved/take-action/.

**The Issue:** Feral and free-roaming domestic cats have been estimated to kill at least a billion birds every year in the United States, including rare and endangered species such as the Piping Plover. Such cats have also been estimated to kill more than a billion native small mammals annually, outcompeting native predators such as the Great Horned Owl and Red-tailed Hawk for important prey species.

Although they were domesticated over 8,000 years ago and introduced to North America through European exploration and colonization, feral and free-roaming domestic cats are considered to be an exotic, or nonnative, species in all environments they inhabit. Since they overwhelm native species in areas where they are

introduced, domestic cats can be classified as an invasive species. There are many unlawful established colonies of feral and free-roaming domestic cats on public lands and

sensitive wildlife areas across the state.
As these populations increase, so do the threats to birds, other wildlife, and hu-

man health. In fact, domestic cats have been identified by the International Union for the Conservation of Nature as one of the world's worst invasive species and a leading driver of bird species extinctions, and the 2014 State of the Birds report identified free-roaming and feral cats as the leading cause of bird declines next to habitat loss.

Many steps can be taken to mitigate the risks that feral and free-roaming cats pose to birds and other wildlife; in particular, responsible cat owners should keep their cats indoors and avoid feeding feral or free-roaming domestic cats in natural areas. In addition, nonlethal population control programs, such as the practice of "Trap, Neuter, Return" (TNR), have not been proven effective to manage growing feral cat colonies, and encourage the abandonment of cats, further exacerbating the problems. While some progress has been made in addressing the problem of feral and free-roaming cats, stronger controls and protections are needed to ensure that birds, other wildlife, and their habitat are protected from the spread of this invasive species.

**Legislative/Administrative Actions:** Audubon New York strongly urges the Governor, the State Legislature, and local communities to:

Oppose the feeding, maintenance, and the practice of TNR of feral cat colonies in or near places where native wildlife may be impacted, including state and local parks, wildlife refuges, and other natural areas.

Encourage the education of cat owners and noncat owners on responsible pet care, including the value of keeping cats indoors and not feeding feral or freeroaming domestic cats.

Support reasonable measures, including legislative and regulatory initiatives needed to require parks staff, other public land managers, and municipalities to remove feral cat feeding stations and shelters on park property in or near Important Bird Areas or other sensitive wildlife habitats, and measures that will restrict and regulate the maintenance and movement of feral and free-roaming domestic cats outdoors.

Urge the New York State Department of Agriculture and Markets to enforce Agriculture and Markets Law section 374, subdivision 5 through local animal control officers

Support legislation to authorize municipalities across the state to adopt a law allowing for cat registration and require a portion of the revenue generated from such registration programs to be dedicated toward pet owner education programs to keep cats indoors, and programs to remove feral and free-roaming cat populations from state and local parks, wildlife refuges, and other natural areas.

## **BOOKS FOR BIRDERS**

R. U. Abyrdar II with Sy Schiff

This month's book is a very useful one for the novice or beginning birder looking for the "fun" in birding. We both recommend it highly; the more-experienced birder will find it valuable, too. The book, *Birding for the Curious: The Easiest Way for Anyone to Explore the Incredible World of Birds*" by Nate Swick, is a small, nicely illustrated book that gets the beginner quickly up to speed.

The author begins with the basics: a chapter that deals with optics in a clear, concise language; no jargon here! It lets you know what you want to look for when you

purchase your first pair of binoculars. Another chapter that we both found useful is devoted to how to choose the right field guide. It even gives a brief description of the better, more popular birding guides on the market

today. Because this book was published last year, it is very up to date in the aforementioned respect. The author really begins with the basics!

The next chapter that we found particularly useful was the one on eBird, a brief but informative chapter on how to use your computer and the Internet to further enhance your birding experience. eBird is a must if you want to add your birding experiences to the world of citizen science. Ornithologists really appreciate our contributions to their own scientific community. It may not be a requirement, but it sure makes for a lot of fun and is a sure way to contribute.

In the chapter on the importance of field craft, you will learn about the many different ways to study particular types of birds. From waterfowl to shorebirds, from songbirds to raptors, these birds of the water, trees, and sky all have their own unique habitats and behaviors. It is a real-important chapter if you will be doing more than backyard birding. Mr. Swick makes all of this simple and easy to comprehend. For example, in the previous chapter on field guides that I mentioned earlier, he discusses the ongoing controversy over which are better — illustrations or photographs. This difference in field guides is a subject of much heated discussion in the world of birding.

In many ways, birding is a social hobby. Finding a bird club or other birders to go on bird walks as a group is the ultimate way to have fun! Birding can be done in many ways, in backyards, local parks and preserves, and even going far afield to increase your knowledge of birds and perhaps even adding a few birds to your "life list."

In addition to all this, there is a short discussion on the art of bird feeding as well as on native plantings or bird-scaping that will bring more birds to your yard. There are even some recipes for making your own suet treats for the local birds. Even the subject of birdhouses is mentioned. This book has a lot of information covered in short, nononsense paragraphs. Need we say again — no jargon spoken here! This book even goes a long way in allowing

a beginner to interact with the more informed in the birding community without feeling inadequate or left out.

Finally, this most-recent book is an excellent text for the novice birder or "backyard beginner." If you want to peek into this world of birding but are not necessarily ready to commit wholeheartedly, this is the place to begin the journey. We highly recommend this book. Read it... and ENJOY!!!

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Please mark your calendars for SSAS's 45th Annual Dinner! Because the second Tuesday was already un-



available when we booked the dinner many months ago, we'll be getting together a day later than usual. Cocktail hour at Pompei Ristorante in West Hempstead will begin at 6:30, followed by our usual mix of raffle drawings,

award presentations, and food and wine. Details will be in the next two issues of the *Skimmer*.

# THOUGHTS, NEWS, AND OPINION FROM YOUR CONSERVATION CHAIR Stop the Trans-Pacific Partnership Trade Deal!

Jim Brown

The Trans-Pacific Partnership (TPP) is a trade agreement among twelve Pacific Rim countries, including the United States. The agreement unfortunately involves more than simple trade among nations. The voluminous agreement was created mostly in secrecy over a number of years and was signed on February 4 in New Zealand. For the agreement to become binding on the United States, it will have to be approved by Congress. President Obama is hoping that the deal is ratified by July. Because Congress had earlier granted the President and his negotiators "fast track authority" to hammer out the deal without open, democratic discussion in our national legislature, Congress can now only vote the TPP up or down—no amendments or changes are to be considered.

The TPP will undoubtedly have negative impacts on many people and on our environment in many predictable ways. Often termed "NAFTA on steroids," this latest trade deal, directly involving nations comprising almost 40% of the world economy as measured by gross domes-

tic product (GDP), will deepen the problems created by the North American Free Trade Agreement. The TPP will certainly impact food safety, labor relations, drug prices, fracking, climate change and other environmental issues, and sovereignty.

The specific environmental elements of the TPP agreement are very tepid and weak. No real mention of the term "climate change" occurs in the lengthy document. For environmentalists, perhaps the scariest thing about the TPP, however, is its establishment of corporate tribunals to handle issues of what the agreement terms "investor-state dispute resolution." The TPP permits foreign corporations to sue national governments who are members of the "Partnership" if those corporations believe that governments — whether national, state, or local — have enacted laws that hurt their profits. Corporations would thus be raised legally to the level of sovereign national states, with the ability to use the corporate tribunals established by the TPP to limit or destroy environmental laws and regulations of nations, states, and local governments.

New Yorkers fought hard to have fracking banned in our state. We also fought long and hard to prevent dangerous LNG (liquid natural gas) ports from being constructed off our coast. Other concerned people throughout the country have taken similar actions and steps to fight environmental degradation and climate change. These notable successes and other solid environmental accomplishments could very well be reversed if the U.S. Congress approves the TPP.

Already, TransCanada Corporation is using the regulations of NAFTA to sue the U.S. government for halting the Keystone XL pipeline. A company established in Canada but incorporated in Delaware, Lone Pine Resources, is similarly using the NAFTA agreement to sue the Government of Canada over the Province of Quebec's moratorium on fracking near the Saint Lawrence River. The suit is for \$250 million, enough money to chill the desire of any government to pass an environmental regulation that might offend a rich company! And the TPP will be a fortified NAFTA, with large judgments being handed out by three private attorneys acting as judges for corporate tribunals!



South Shore Audubon members and friends are urged to strongly oppose the TPP. The big battle against this corporate-sponsored trade deal will be in the U.S. House of Representatives, where hopefully it will be defeated. Call NOW and urge your representative to STOP the

TPP! Call 877-852-4710 and you will be routed to your representative in Congress after supplying your Zip code. Stand up for the environment — defeat the TPP!

## **SSAS COLLEGE SCHOLARSHIPS**

Betsy Gulotta

Thanks to the much-appreciated support of longtime member Evelyn Bishop, South Shore Audubon Society is again offering the \$750 Jerry Bishop Environmental Scholarship this spring for two college juniors, seniors, or graduate students who are continuing their studies toward a degree in an area of biological or environmental science, such as wildlife management, forestry, animal behavior, ecology, marine biology, oceanography, mammalogy, or ornithology. Our annual college scholarship program began in 1994 and was named in memory of Jerry two years later. For information, call Betsy Gulotta at 546-8841 or send e-mail to betsy.gulotta@ncc.edu. Applications are due by April 30.

# AUDUBON NEW YORK LOBBY DAYS

Editor's note: The following was sent to us by Audubon NY's Manager of Conservation Engagement, Laura McCarthy. SSAS has signed onto letters supporting these funding levels for state parks and the Environmental Protection Fund (EPF).

Dear chapter leaders,

Audubon New York staff will be participating in a number of lobby days planned for various issues (mostly funding!) that we are advocating be included or addressed in this year's state budget or legislative session. We would love to see you or someone from your chapter in Albany if any of these events work for you. These are fun opportunities to lobby with a group and learn what it's all about, even if you've never been. I will be personally present on Feb. 24th for EPF Lobby Day, as well as on Feb. 29th for Parks Advocacy Day. Please let me know if you are interested in attending any of the lobby days identified below.

2/24: Environmental Protection Fund. Audubon will be lobbying for a \$300M appropriation, including \$2M for private landowners incentives.

2/25: Water Infrastructure Improvement Funding. Lobbying for at least \$250M over the next two fiscal years for grants to municipalities to undertake wastewater and drinking water improvements.

2/29: Parks Advocacy Day. Lobbying for at least \$90M for Parks 2020, and highlighting Audubon in the Parks.

3/9: Ocean and Great Lakes Advocacy Day. Lobbying for Ocean and Great Lakes funding in the EPF, and additional issues to be determined.

4/11: Forestry Awareness Day. Lobbying about the importance of healthy forests to birds, people, and our quality of life, and highlighting our forest conservation programs.

There may be additional opportunities that have not been scheduled as yet (such as Earth Day). We'll keep you posted. If you have any questions, please let me know!

Visit us! http://ny.audubon.org.

# BEYOND TWEETING: APPS TO MAKE YOU A BETTER BIRDER

Zach Slavin

Editor's note: I attended the Audubon Convention in Leesburg, Virginia last July (the next one is in Park City, Utah, in July 2017). One of the highlights for me was a 70-minute "concurrent session" given by National Audubon's Citizen Science Program Manager, Zach Slavin, during which he promised to send the audience a summary. I've been waiting to have space in the Skimmer, I've added a few updates in brackets.

Technology has been a part of birding for as long as people have been observing birds. Take John James Audubon, for instance: one of our country's most famous early birders, his technology of choice happened to be a shotgun full of birdshot and a burlap bag. Not the most complex, and certainly not digital, but it was technology nonetheless.

Over the centuries, technological advances have changed the hobby of bird-watching several times over. Opera glasses and notepads replaced shotguns on the first Christmas Bird Counts in the early 1900s. By the middle of the 20th century, birders were equipped with the first field guides and better, lighter, more affordable binoculars. And today birders are heading out with 50 megapixel image-stabilized super-telephoto zoom cameras and precision-honed, multicoated, ultra-lightweight binoculars... and paper field guides, the technology of which hasn't changed significantly since their inception nearly a century ago.

So take a look at some of the apps described below (as well as other birding apps not listed here) and the next time you go birding, heading out without your smartphone will feel as antiquated as heading out with a shotgun full of birdshot.

### **Field Guides**

These apps are the most direct competitors with the classic paper field guides. Some, like iBird, are designed exclusively for the mobile app format, and others are digital versions of paper field guides you may already be familiar with (Sibley, Audubon, National Geographic, Peterson, etc.), but even the most bare-bone of field guide apps have some features that leverage the technology and go beyond the contents of the paper versions.

Sibley eGuide to the Birds of North America. For iOS, Android, Kindle Fire, Windows, and Blackberry; \$19.99. Covers 810 species and features all of the drawings, range maps, and explanatory text found in *The Sibley Guide to Birds*. Taking advantage of the digital format, it includes more than 2,000 recordings of songs and calls, a compare-species function, and a smart-search tool that allows you to filter species by color, shape, and your current location.

Audubon Birds Pro. For iOS, Android, Kindle Fire, HP, and Nook; \$3.99-\$9.99 [became free in October,

which Zach told us was going to happen soon]. Covers 821 species using photos instead of drawings, includes range maps that also cover Central and South America, has a good selection of audio recordings, including alternate calls and regional variations, and slightly more-descriptive text, including habitat, range, and nesting information. Similar-species and browse-by-family or shape tools are useful for identifying unknown birds, and includes a find-birds-with-eBird function to find nearby reports of specific species.

*iBird.* For iOS, Android, Kindle Fire, and Windows; \$2.99–\$39.99 (free Lite version). Covers 940 species (in the Pro version) with both photos and drawings of each species. Great audio recordings, including variations and convenient links to similar-sounding species. Contains copious amounts of information on each species, including notes on identification, ecology, behavior, and nests and eggs, as well as links to Wikipedia and Flickr and a very powerful filter/search tool. Five different versions from Lite to Ultimate available with different features and species.

#### **Active Identification**

Much like the field guides above, the goal of these apps is to help you identify an unknown bird. However, these apps take a more active role in the process, analyzing your observations, photos, and audio recordings to help you arrive at an ID. Most of these are less than a couple of years old and while they are fun and useful now, they show great promise for the application of this technology to birding in the future.

Merlin Bird ID. For iOS and Android; free. Amazing app for beginning and intermediate birders that asks you five questions to help identify over 400 common North American birds: Where were you? When did you see it? About how big was it (relative to other birds)? What were the main colors? And what was it doing? Provides photos and descriptions of matching bird species based on this information and is surprisingly accurate.

*Birdsnap.* For iOS and online; free. This app uses computer vision to identify the species of birds in the photos you upload. Simply take or upload an existing photo, zoom in to frame the bird, tap on the eye and tail, and then let Birdsnap go to work. Works really well with good, close-up photos; not so great for digiscoping with your smartphone.

BirdSong ID: USA Automatic. For iOS and Android; \$4.99. This is the app that people always ask about when it comes to birding apps; it allows you to make a 30-second recording of a bird singing, then attempts to identify the species based on the audio recording. Not incredibly accurate and getting a good recording with smartphone microphones can be difficult, but a very promising idea.

## **Citizen Science**

Many people enjoy participating in citizen science programs like the Christmas and Great Backyard Bird Counts

as part of their birding. These apps provide an opportunity to share your bird data with researchers and other birders directly from the field, making your birding more valuable to conservation and helping you track your observations over time.

eBird. For iOS and coming soon for Android [it arrived in December]; free. Well-designed app that allows you to submit to eBird (eBird.org), a citizen science program that collects bird observations from around the world and shares them with birders and conservationists. You can select your location using GPS, automatically download checklists for your area, and submit checklists directly from the field. Great for new birders participating in the Great Backyard Bird Count (birdcount.org). While the Android version is [was] not yet available, you can download this app's predecessor, BirdLog, for Android devices [you still can download it but not for eBird submissions, now that the Android version of eBird is available].

Hummingbirds at Home. For iOS and Android; free. The first of Audubon's citizen science programs designed ex-

clusively for mobile users, this app collects data on how hummingbirds interact with nectar sources to inform conservation. You set up a "patch" and report which species of hummingbirds you see, as well as which species of plants you see them feeding on or if you see them visiting feeders. Based on these observations, Audubon scientists hope to be able to make recommendations as to how to help hummingbirds

## **Bird-Finding Guides**

survive the effects of climate change.

As the name implies, these apps help you locate specific species of birds in the field, based on either reports to citizen science programs like eBird or through the aggregation of decades of local knowledge.

BirdsEye Bird Finding Guide. For iOS and Android; subscriptions are \$1.50–\$4.99 a month. This is a great tool for finding new and interesting birds at home or in a new location based on real-time citizen science data. You can immediately start viewing reports of nearby birds, but the real power comes after you sign into your eBird account and can view nearby birds that are missing from your life or year lists for a specific location. Filters allow you to adjust for the time frame and distance of reports shown, and the app includes an abbreviated species guide with links to Flickr and Wikipedia pages for more photos and information.

The Great Washington State Birding Trail (and other birding trails from Aves Amigos). For iOS; birding loops are \$1.99 each [\$9.99 for all seven loops; first six stops on each loop are free; Utah is also available]. Based on copious amounts of local knowledge instead of real-time data, this app features information on 375 birding hotspots within Washington state. The app features details on each location, such as the best time of year to go birding at each site, where to park, which trails to take,

and which birds you can expect to see. It also includes information on fees, handicap accessibility, parking, and nearby amenities. Great for planning a birding trip in advance, as well as finding birds and other nearby birding spots in the field.

## **Song Learning**

These apps are designed specifically to help you learn bird songs and calls, and can be helpful for even the most tone-deaf of birders.

Chirp! Bird Song USA. For iOS; \$3.99. Features over 300 high-quality recordings of songs and calls of North American birds. There are several ways to experience them, including listen and slideshow modes and an interactive quiz. You can select specific species to practice identifying or select from more than a dozen different regions to focus on the most common species you are most likely to hear near you.

Larkwire Birdsong Master Birder. For iOS; \$2.99. Includes songs and calls from 343 North American species and presents them in a game-like quiz. Offers the ability to sort by eastern and western birds, as well as song types, including clear, rough, complex, and simple. A little bit more difficult and repetitive than Chirp!, but worth checking out for the different style of game play and few extra species.

#### **A Few Additional Notes**

- Always follow all local, regional, and federal laws, and consider the well-being and enjoyment of birds and other birders before playing back recordings of songs or calls in the field. Consider using portable battery-powered speakers for your responsible playback, as smartphone speakers can be a bit underpowered.
- ♣ Be sure to bring a phone charger or a spare battery. Using these apps all day in the field (especially with the brightness turned up in bright sunlight) can drain your battery rather quickly.
- ↑ Consider getting a pair of touch-sensitive gloves to keep your hands warm while using these apps outdoors in the winter.
- ♣ Over 80% of Americans 18–29 own smartphones, and they use them a lot! Consider sharing these apps with young people to help get them interested in birds and birding.
- ↑ These apps are just a few of one birder's personal favorites, so be sure to search around and see what else is out there that might work better for you.

Another editor's note: Back in August, Zach Slavin wrote to me that "iBird, eBird, and BirdsEye are probably my favorites"

## South Shore Audubon Society P.O. Box 31 Freeport, NY 11520-0031

A CHAPTER OF THE NATIONAL AUDUBON SOCIETY

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Freeport, NY

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## BECOME A MEMBER OF SSAS Think Globally, but Join Locally!

Option 1. You can join SSAS for a year by sending \$20 payable to **South Shore Audubon Society** using the form below. Our address is P.O. Box 31, Freeport, NY 11520-0031.

Option 2. To join NAS and your all-volunteer local chapter, you can help SSAS by joining Audubon through us for the same price that it costs if you join through NAS (we get \$0 from these dues unless you join through us). Mail the form below and your check payable to **National Audubon Society** to SSAS at the address above. The special rate for the first year is \$20 per household.

Renewing? Please send NAS renewals directly to NAS.

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Yes, I'd like to join: $\square$ SSAS only $\square$ National Audi	ubon too	
NAME:		
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