

The Cardinal

APRIL MAY 2013 • WWW.SAINTPAULAUDUBON.ORG • SAINT PAUL AUDUBON SOCIETY

APRIL MEMBER MEETING

A Love Affair with Birds: The Life of Thomas Sadler Roberts

with **Sue Leaf**

President of Wild River Audubon Chapter

April 11, 2013

The life of T.S. Roberts, Minnesota's foremost expert on birds for nearly 70 years, parallels that of Minnesota. Arriving in Minneapolis in 1867 at age 9, Roberts kept detailed bird journals from 1874 on, describing the plethora of waterfowl on the city lakes, the Passenger Pigeon colony at Lake Johanna, the migrating prairie birds that passed through the city spring and fall.

A general practitioner by training, Roberts attended some of the city's wealthy elite— who in turn generously supported his work on birds at the university. Roberts left two great legacies to bird lovers: his two volume "The Birds of Minnesota" and the James Ford Bell Museum of Natural History, where he served as director from 1915-1946.

To learn more about this topic and about the speaker, please visit the following websites:

<http://www.minnpost.com/artsculture/2009/09/minnesota-nature-writing-lives-sue-leafs-work>

minneapolisparkhistory.com/tag/thomas-sadler-roberts/

Sue Leaf is the author several books, including her latest, the biography of Thomas Sadler Roberts.



THOMAS SADLER ROBERTS

Our meetings begin at 6:45 with social time, 7:00 PM for the program, at the Fairview Community Center, 1910 W. County Road B, in Roseville. Free and open to the public. Free parking available. *Bring a friend!*

MAY MEMBER MEETING

Monarch Butterflies: Are You Smarter Than a Fifth Grader?

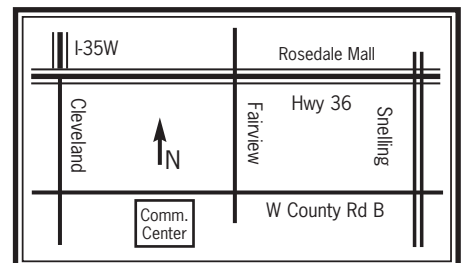
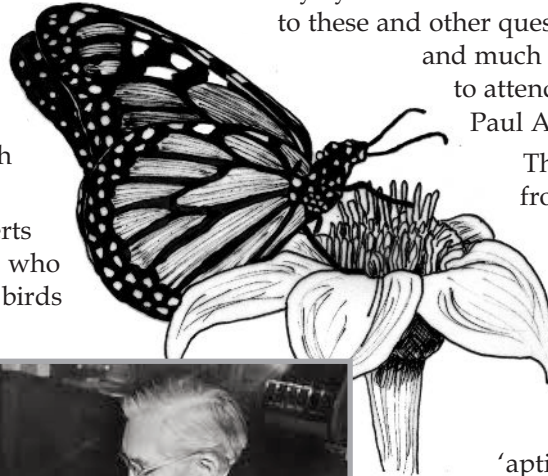
with **Grant Bowers**, Program Coordinator for "Monarchs in the Classroom"

May 9, 2013

Where do monarchs overwinter in Mexico? How many eggs can a female monarch lay in her lifetime? How many eyes do monarch larvae have? To learn the answers to these and other questions about these fascinating and much beloved butterflies, please plan to attend the May meeting of the Saint Paul Audubon Society.

The speaker will be Grant Bowers from the Monarch Lab at the University of Minnesota. Grant is currently the Program Coordinator for "Monarchs in the Classroom," a program designed to "capture the interest and attention of all students, not just those with an 'aptitude for science.'"

To learn more about the Monarch Lab and the "Monarchs in the Classroom" program, please visit the following website: <http://www.monarchlab.org/>



BOARD MEETINGS

Saint Paul Audubon's Board Meetings are held at the Ramsey-Washington Metro Watershed Office at 2665 Noel Drive, Little Canada. Exit 35-E at Little Canada Rd, go east to Noel. Meetings are held 6:30 to 8:30 PM.

Upcoming dates: **April 1, May 6, June 3.**

Officers are: **Louis Asher, Barb Lindeke, Mary Beth Smith Peterson, Richard Newmark.**

Board Members are: **Craig Andresen, Dean Doering, Mark Bearss, Ben Wilson, Monica Wiese, Laurel Stiebler, Tom McCarthy, and Deb Bachrach.**

President's Message

I am a great believer and promoter of clean renewable energy. Although we have plenty of coal, and fracking has greatly increased our natural gas resources, our petroleum resources are limited. Even with tar sands and fracking oil, we will run out by the end of this century. When one realizes this fact, along with the environmental issues that are created by fossil fuel, clean renewable energy is a necessity.

The environmental issues are more than climate change. There is the issue of acidification of the oceans, as they absorb 1/3 to 1/2 of the CO² that we emit from our fossil fuel usage. When CO² combines with water, carbonic acid is formed, leading to oceans being 25% to 35% more acidic than they were even 60 years ago. As I have written before in *The Cardinal*, "This increase in acidification greatly affects not only coral reefs, but the carbonate structures in marine animals. This includes shellfish and plankton. These organisms span the entire food chain and therefore could result in the devastation of a number of marine animals, including fish species, which humans [and our beloved birds among other animals] rely upon as food sources."

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(Outgoing Message Only — take down numbers to call for info)	
Audubon Minnesota	651-739-9332
	www.mn.audubon.org

ABOUT OUR CHAPTER

Founded in 1945 as the 'St. Paul Bird Club' with 12 members, the Saint Paul Audubon Society now serves the entire East Metro region of the Twin Cities area, and has around 2,600 members. We hold 9 Member Meetings a year. Feel free to contact those listed at left for more info, or write to SPAS at PO Box 7275, Saint Paul, Minnesota, 55107 or visit our website at www.saintpaulaudubon.org

ABOUT OUR NEWSLETTER

The Cardinal is published 6 times a year. Articles are due on the 5TH of January, March, May, July, Sept, and Nov. Submissions may be edited. Send to hpbirdscouter@msn.com

THE CARDINAL Electronic Version Members may now receive the newsletter by download from the website. To sign up, contact Webmaster **Ben Wilson** online at webmaster@saintpaulaudubon.org.

LOCAL SUPPORT

Audubon members who don't live in the East Metro Area who want to receive *The Cardinal* may send \$15 for a 1 year's subscription to **John O'Connell**, 2184 Larry Ho Drive, Saint Paul, MN 55119

ADDRESS CHANGES

Please call **1-800-274-4201** to change your address for National Audubon Society mailings, including *Audubon Magazine* and *The Cardinal*, or to sign up for Audubon's paper-free renewal program.

Nat'l Audubon Soc. www.audubon.org

There are people who believe (like 98% of the climate experts), and others who deny, that climate change is occurring due to human-created CO² emissions. However, very little has been said about the serious issue of ocean acidification. Scientists have taken ocean water samples for many, many years and a simple pH test (pH paper or a pH meter) clearly reveals the increased acidity.

I am seeing and reading more and more creative approaches towards clean renewable energy. Most people have heard of wind and solar but there are many more approaches and the number is increasing each year. The *Pioneer Press* had an interesting article in the Business section on February 19, 2013. "A Wisconsin company is planning to use waste water to generate enough electricity to power more than 3,000 homes ... GreenWhey Energy Inc. announced ... a \$28.5 million anaerobic digester ... [that] breaks down organic material into methane gas... The facility will help area food processors by reducing the cost of disposing of waste water..." This is a win, win, win for all. Many new jobs will also be created.

Converting our economy to clean renewable energy will not be easy but as we continue to do so, the vast benefits to our environment, quality of life, and job creation (to name a few) will far outweigh the costs.

There is no doubt in my mind that the future will bear these facts out.

Louis Asher

SPAS Annual Meeting Information

Saint Paul Audubon Presents this Slate of Candidates for 2013/14

Officers

President: Barb Lindeke – Member of SPAS for 25+ years; served as Education Chair for both SPAS and Audubon Minnesota; currently active member of SPAS Education Committee. Barb retired after 31 yrs as history and geography teacher at Anoka H.S. She works to keep children and teenagers interested in environmental issues.

Vice-President: Deb Bachrach – Long-time member of Saint Paul Audubon. Deb currently chairs our Spring Warbler Weekend. Hosts the Christmas Bird Count potluck and tally party each December.

Secretary: Mary Beth Smith – stepped in as Secretary in February. She is a life-long avian enthusiast and lover of all nature. She is a Minnesota Master Naturalist, volunteers as citizen scientist, educator, advocate. She has created a wildlife preserve in her own yard that's "for the birds."

Treasurer: Richard Newmark – Current Treasurer; retired chemist; active on Conservation Committee; helpful in rep'ing SPAS at various functions; provides continuity as Board changes with each election.

New Board Members

Deb Robinson – SPAS member and volunteer for two Summer Birding Camps; project founder for the award-winning Como Woodland Outdoor Classroom (supported by SPAS since 2006); former board member of District 10 Como Community Council and its Environment Committee; Community Outreach Committee member for Lake Como's long-range management planning process.

Jim Lindner – Audubon member for over 12 years; currently serves on City Council of Gem Lake, MN; serves on Vadnais Lake Area Water Management Organization's Technical Commission; advocating water quality and wildlife habitat improvements; promotes conservation through educational outreach.

Craig Andresen – Member of SPAS since 1991; Current Board Member, past President. Craig monitors 400 nest boxes. He owns a company that does prescribed burns and exotic species control on public lands.

Mark Bearss – Current Board Member; current Program Committee Chair. Mark has filled two consecutive mid-term vacancies on Board. He also serves on a subcommittee which funnels Minnesota Heritage Fund monies to meaningful projects.

Continuing on the Board for the second year of their current term are:

Tom McCarthy, Laurel Stiebler, and Monica Wiese.

We take this opportunity to thank our wonderful board members whose terms will expire in May: **Dean Doering** and **Ben Wilson.**

A Few Really Good Volunteers Needed

St. Paul Parks and Recreation is are looking for people committed to preserving nature, and are able to perform manual labor such as planting trees or weeding gardens. Website <http://www.stpaul.gov/index.aspx?nid=243>

Audubon's BirdSafe Training

2013 volunteers, please contact Brandyn Six at bsix@audubon.org

2013-2014 Proposed Budget Highlights

The Projected Income for 2013-2014 is expected to be very similar to preceding years. However, SPAS received an unexpected donation of \$5,000 last year which the Board proposed using for new projects, education, and member recruitment. The proposed budget shows a projected deficit of \$5,000 to fund these projects next year.

2013-2014 PROPOSED Budget Approved by Board, March 4, 2013

INCOME

Butterfly Counts	.....\$100
Education & Program Committees	..\$375
Field Trips & Warbler Weekend	..\$9,000
Landscape Revival event	.....\$500
Total Committee Income	.....\$9,975

Donations/Memorials	.....\$815
Fund Drive	.....\$7,500
Total Donations Income	.....\$8,315

Dues from National Audubon	.....\$6,800
Local Dues	.....\$700
Total Dues Income	.....\$7,500

Grants/Div's. fr. Endowment Fund	..\$2,000
Interest & Dividend Income	.....\$820
Total Grants/Dividends Income	..\$2,820
Total 2010-2011 Income	.....\$28,610

EXPENSES

Equipment & Display	.....\$500
Fund drive	.....\$500
Membership Recruitment	.....\$200
Operating Expenses	.....\$300
Telephone Line	.....\$550
Web Page	.....\$1,000
Total Admin. & Oper. Expenses	..\$3,050

Birdathon & Butterfly Count	.....\$250
Conservation Committee	.....\$1,500
Education Committee	.....\$1,500
Field trips and Warbler weekend	..\$9,500
Landscape Revival & other exhibits	..\$650
Programs	.....\$2,500
Total Progs & Field Trip Exp.	.....\$15,900

Art & Design	.....\$1,100
Labels & Postage	.....\$2,370
Printing	.....\$8,500
Total Newsletter Expenses	.....\$11,970

State Audubon Organizations	.....\$2,000
Other Orgs.: MEP & MOU	.....\$190
Total Support to Orgs. Expenses	..\$2,190

Transfer to Endowment	.....\$500
Total 2010-2011 Expenses	..\$33,610

CHAPTER EVENTS

Annual Fund Drive Donors

Saint Paul Audubon would like to thank our gracious donors to our Annual Fund Driver. You have given \$6,085 for the betterment of nature and conservation in the St. Paul area. We thank you very kindly for your support!

Cardinals: Roger & Margie Anderson, Craig Andresen, Donald Arnosti, Susan Audette, Deb Bachrach, Janet M. Baker, Susan Benfield, Char Brooker, Valerie Cunningham, Linda Dahlen (In memory of Bruce Lively), Dean Doering (In Memory of Orville & Joyce Doering), Karen Eckman, Mary Glaeser, F. K. Gleason, Jody Hauer, John & Ruth Huss, Carla Larson, Charles & Hope Lea, Jim Lindner, Barbara Lindstrom, Lorraine Machacek, Tom & Sue McCarthy, Katherine McGill, JoAnn Nelson, Richard Newmark, Mary Beth Petersen, Ann Ribbens & A J Moses (In Memory of Wilbert & Julia Ribbens), Robert & Miriam Titzler.

Bluebirds: Bonnie Anderson (In Memory of Irene Brandt), Barbara Ankrum, H. Mead Cavert, Margaret D. Clayton, Judith Collopy, Stewart Corn, William Cunningham, Trudy Dunham, John P. Ellis, Susan Fuller, Richard & Barbara Gabriel, Nancy Johnson, John Kirchner, Jan Leite, Barbara Lindeke, Mary McLaurin, Gunilla Montgomery, Sharon & John O'Connell, John Oldendorf, Alice & Robert Peters, Robert Sherman, Jeanne Tanamachi, Ann Wynia.

Egrets: Phyllis Abrahamsen, Mary Jane Addison, Paula Allmaras, Arlene Alm, Elwood & Judy Anderson, Anonymous, Janice Blomberg, Marty Boehne, Monica Bryand, Clay Christensen, Elizabeth Danielson, Marjorie Davis, R. M. Elias, Bridget Evens, Joe Gherity, Michael Giefer, Kenneth Harris (In Memory of Dr. Jack Boylan), Nancy Hasse, Christine Hope, Candice Johnson, Sue Lamoureux, Bill Landis, Nancy Larimore, Norman Larson, Ken & Harriet Livermore, Tony & Alice Maistrovich, Sylvia McAlpine, LuAnn & Walter Merz, Mark Orłowski (In Memory of Roy Orłowski), Willard & Diane Patty, Virginia Pear, John Petroskas, Helmut & Joan Porcher,

Roeland Reyers, Deborah Robinson, Marguerite & Edward Senninger, Anthony Smith, Cheryl Steinmueller, Laurel Stiebler, Denis Stoddard, Gerald Striegel, Michael & Janice Weum, Wendy Worner.

Warbler Weekend Registration Form

Quantity	Options	Amount
___	Full Wknd Adultsgl \$165 .shr \$140	\$ _____
___	Fri. night +3 mealssgl \$95 .shr \$80	\$ _____
___	Sat night + 4 meals . . .sgl \$105 .shr \$90	\$ _____
___	Child under 12 (sharing with adult)	\$35 \$ _____
___	Child 12-17 (sharing with adult)	\$50 \$ _____
___	Commuter (not staying overnight)	\$10 \$ _____
___	Saturday Breakfast:8:00 AM	\$10 \$ _____
___	Saturday LunchNOON	\$10 \$ _____
___	Saturday Dinner :6:00 PM	\$10 \$ _____
___	Sunday Brunch :10:00 AM	\$10 \$ _____
___	Camp (no hookup) \$30 -ea nt + \$40/4 meals	\$ _____

(Prices include registration fee. No refunds for missed meals.)

Total (check payable to Saint Paul Audubon) \$ _____

Name _____

Address _____

City _____ State _____ Zip _____

Day phone _____ Evening phone _____

Names of People attending _____

Send check to Saint Paul Audubon Society,
 c/o Deb Bachrach, 1163 Edgcumbe Rd., St. Paul, MN 55105.
 Checks will be held until April 10. No refunds after April 10.
 For more information please call Deb Bachrach at 651-690-4130
 or send email to deb.bachrach@yahoo.com

SPAS Spring Warbler Weekend

May 10-12, 2013; Reserve by April 11

Our weekends over the last 30-40 years have averaged 130-135 species, including an average of 21-24 species of warblers. Bird by car, on foot on area and Frontenac State Park trails, or simply by relaxing on the lawn. In addition to this informal style of birding, Field Trip leaders offer bird walks for beginner, medium, and experienced birders. Several locations are canvassed, including Sand Point, Hok-Si-La (a Lake City Park), Well's Creek, and the State Park's prairie restoration project.

For confirmation of your registration, please send an Email, or enclose an SASE with your registration. Camping is available, either on the grounds at our accommodation, or at nearby Frontenac State Park.

Traditional events are: counting the Chimney Swifts entering the very tall chimney at dusk; and Friday and Saturday evening owl walks (bring flashlights and dark sweat-shirts!) Friday evening Chase Davies will talk about Warbler ID; Saturday's Jennifer Vieth from the Carpenter Nature Center, and bring two live raptors.

For more information please contact **Deb Bachrach** at deb.bachrach@yahoo.com or 651-690-4130.

FIELD TRIPS

A MAP OF SEARS' CARPOOLING AREA IS PROVIDED ON P. 6

Tuesday Mornings in May & June are for Early Birders!

Our popular "early bird" walks are held during spring migration and the start of nesting season. Meet at site. Maps are on SPAS website. Walks are from 7:00 - 9:00 AM. Contact leader for questions. Please join us!

May 7

AHATS (Arden Hills Army Training Site), Sunfish Gate (100 yds no. of Hwy 96 on the east side of Hamline Avenue).

Leaders: Bob Holtz, bobholtz33@comcast.net, and Chase Davies, ccdavies@aol.com.

May 14

Crosby Farm Park on Mississippi River, 2595 Crosby Farm Rd, St. Paul. Park at farthest parking lot from the entrance, near the turnaround.

Leaders: Julian Sellers, juliandsellers@msn.com; and Chase Davies, ccdavies@aol.com.

May 21

Reservoir Woods, Roseville (Parking is on the north side of Larpenteur Ave. between Dale and Rice. Park closely, it's small and well-used).

Leaders: Val Cunningham, writers2@comcast.net; and Clay Christensen, clay.christensen@comcast.net

May 28

AHATS, Sunfish gate (see info above).

Leader: Chase Davies, ccdavies@aol.com.

June 4

Vadnais/Sucker Lake Park. Park in lot on No. side of Cty. Rd. F, approx. 1/2 mi. East of Rice Street.

Julian Sellers, juliandsellers@msn.com; Pete Nichols.

June 11

Benson Prairie, White Bear Lake. Access is next to boat ramp parking lot. West of junction of Hwy 61 and Cty J: from 'J,' immediately turn left (so.), drive 1/2 mi. to lot. The Prairie is just north of the parking lot. **Leaders:** Val Cunningham, writers2@comcast.net; and Clay Christensen, clay.christensen@comcast.net

Metro Lakes and Rivers

Saturday, April 6, 8:00 to Noon

Let's go check some east metro lakes for waterfowl and other migrants. We'll explore several lakes looking for migrating loons, grebes, mergansers and ducks. We'll form a car caravan at St. Paul Sears and drive from site to site. The final itinerary will depend on what lakes are open, perhaps all in Ramsey County, perhaps the Mississippi River or Dakota County as well. Directions will be provided at Sears. Bring water, snacks if you wish. Bring your scope if you have one. No registration required.

Difficulty: Easy, always near the cars.

Leaders: Julian Sellers, juliandsellers@msn.com;
Clay Christensen, clay.christensen@comcast.net

Early Migrants in So. Dakota County

Saturday, April 13, 7:00 to Noon

Join with friendly birders for an early-season visit to a couple of well-known birding locales in southern Dakota County: Miesville Ravine with its woodland habitat, and Lake Byllesby where we should find waterfowl, shorebirds, and other open-country birds. No registration required. Bring water and snack if you want. Bring a scope if you have one.

Difficulty: Easy

Carpool: Meet at Sears at 7:00AM

Contacts: Julian Sellers, juliandsellers@msn.com

Woodcock Courtship Flights

Tuesday, April 23RD, 8-10:00 PM

Meet at AHATS, Sunfish Gate

Deep dusk displays of death defying dives. This is a fun hunt! SPAS has received permission to be at AHATS to view dives from heights beyond imagination as the male woodcock woos on-looking females. They are not easy to see, and they only perform at dawn and dusk. (Moonrise will be at 5:59; 94% illuminated; a great opportunity.) The male's wings making a trilling and thrilling vibration help to pinpoint his landing spot from which he calls plaintively, "peent, peent, peent." And what does she do?!

AHATS is a secure area, so the group can only move in and out all together. Access restricted to 18 and over. Arrive a few minutes early to meet and form carpools at the Sunfish Lake gate, which is on Hamline Avenue about 50-100 yards north of Hwy 96. Park and wait along the curb such as to not block traffic or access to the locked gate. There is a small parking area inside the gate. We all will carpool from there. No registration required. Bring a



Woodcock, continued on p. 6

FIELD TRIPS & OTHER EVENTS

Woodcock, con't from p. 5

flashlight with a strong, bright light. Dress for sitting for a while. Temperatures will be cool.

Difficulty: Easy. Dress warmly; bring something to sit upon!

Contacts: Julian Sellers, juliansellers@msn.com; Clay Christensen, clay.christensen@comcast.net

Lake Elmo Park Reserve

Saturday, May 4TH

Much of Lake Elmo Regional Park offers far distant views across meadows and fields bounded by woodlands. Such areas attract different migrants and raptors than wooded areas.

Meet at 7:30 AM at Sears to carpool, or at 8:00 at Lake Elmo Regional Park. Purchase a day pass if you do not have an annual sticker, then proceed 1/2 mile to the first parking lot on the left. No registration required.

Difficulty: Easy. Grass and paved trails, some hills.

Carpool: Meet at 7:30 at Sears, 8:00 at Park.

Leaders: Julian Sellers, juliansellers@msn.com; Peter Nichols (no contact info available at press time.)

Nerstrand Big Woods State Park

Saturday, May 4TH

On mid-April to early May days, colorful carpets cover Minnesota bluffside woodlands while migrants move above! Well, that does depend on the pace of springtime in Minnesota. What will 2013 bring?!

In 2012 the number of bird species outnumbered the flower species. Usually the spring ephemeral flowers far outnumber the migrants in this remnant Big Woods. Kinglets, Red-headed Woodpeckers and other migrants; Bloodroot, Hepatica, Wild Ginger, and Trout Lilies are but a few anticipated sightings. We may be joined by members of the St. Croix Oak Savannah Chapter of *Wild Ones*. Practice using the macro button on your digital camera!! Bring your own 10 power loupe or borrow one. Consider carrying both flower and bird field guides.

DIRECTIONS Take I-35 to State Hwy 19 E. into Northfield. Go So. a short way on State Hwy 3, then E. on State Hwy 246 which turns a bit, eventually going south. Good signs indicate the turn right (west) onto Cty Rd 29 to the entrance of Big Woods State Park. **Fee area:** day pass or an annual State Park sticker. Meet in the large parking lot by the park's entrance. We usually bring bag lunches to watch Bluebirds and Red-headed Woodpeckers while we picnic at noon!

Difficulty: Easy to Moderate with very leisurely descent to Prairie Creek and return.

Leader: Chase Davies, ccdavies@aol.com

Old Cedar Avenue

Saturday, May 18TH, 7-11:30

Warblers and waterbirds at one of the best birding locales in the state! We will walk the path from the Old Cedar Avenue Bridge east toward the Bass Ponds and return over the same path with a new view.

Bring water and maybe a snack. Consider a spotting scope for waterbirds. No registration required. *See map on next page.*

Difficulty: Easy

Carpool: Sears, 7:00, or Park at 7:30

Contacts: Paul Spreitzer, paul.spreitzer@gmail.com



Lebanon Hills Park in Eagan

Saturday, June 1st, 7:30-12:00

Lebanon Hills Regional Park is a terrific place for migrant and resident songbirds! Join us for a morning of birding in this beautiful 100-acre park in Eagan. We'll hike woodland, meadow, and lakeside trails. Recent sightings in this area are Canada and Mourning Warblers, Scarlet Tanager, Wood

Thrush. We will carpool from Sears in St. Paul, and meet at the Holland Lake entrance, at the intersection of Lexington and Cliff Road. No registration required.

Difficulty: Strenuous, distance and hilly terrain

Carpool: From Sears, map below, 7:00 am or 7:30 at Park.

Contact: Paul Spreitzer, paul.spreitzer@gmail.com

Upcoming Events

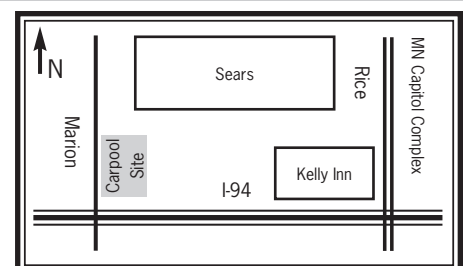
See June/July Cardinal for more info

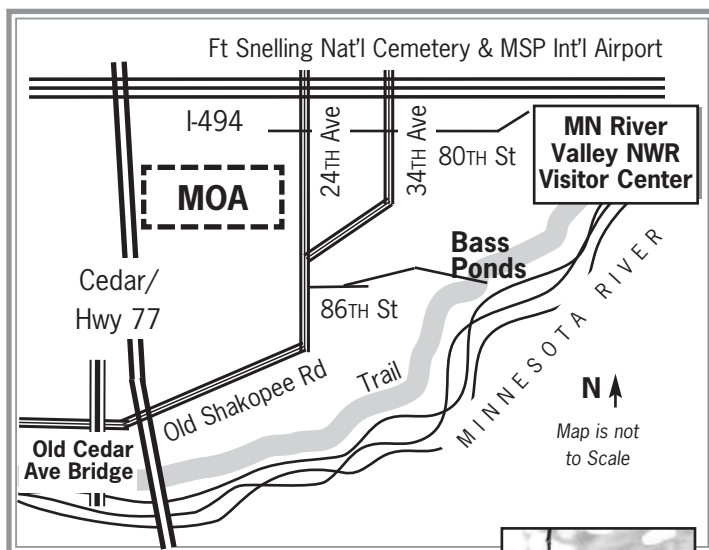
Native Plant Expo and Market: June 1, Community Pavilion, Roseville Rainbow Foods

St. Paul Kid's Birding Class: 5 Weekday Mornings, **June 24-28**. Kids can sign up through the St. Paul Parks and Rec website. SPAS Volunteers are needed to work the event!

NABA Butterfly Census:

June 29, at AHATS. Date subject to change...



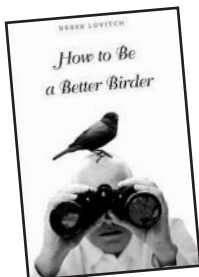


“Hummingbirds at Home” begins April 10

Audubon’s newest Citizen Science program, “Hummingbirds at Home,” will begin April 10! This family-friendly new program seeks to gather data documenting hummingbird migration and feeding habits nationwide.



A toolkit to help Chapter leaders explain and publicize the new program is available at <http://bit.ly/WNN151>. Photo resources are available online at <http://bit.ly/WVM8Z5>, and we will be creating an online press kit that we will share closer to launch. As part of the promotion, all Centers and Chapters are welcome to host screenings of the NATURE film “*Hummingbirds: Magic in the Air*” at no charge. We are making copies of the film that includes a welcome from David Yarnold available beginning April 10TH – copies may be requested from Lynne Hoppe, lhoppe@audubon.org.



How to Be a Better Birder

Derek Lovitch, Princeton University Press, 2012, \$19.95

Chance favors the prepared mind, Louis Pasteur famously said, and this small book will help birders have better chances at seeing birds.

Lovitch shows how important geography is to bird sightings (peninsulas, for example, concentrate migrants). He discusses the impact of weather and how checking NEXRAD at night can lead to productive daytime birding. His chapter on birding by habitat reminds birders to consider microhabitats: in a coastal marsh, the Saltmarsh Sharp-tailed Sparrow hides in slightly different vegetation than does the Nelson’s Sharp-tailed.

Lovitch reminds birders to give something back, in his chapter on birding with a purpose, noting that he’s always been disturbed by the disconnect between so many birders and the welfare of the birds they love. He advocates for participating in citizen science projects, such as the *Christmas Bird Count*, *Breeding Bird Surveys*, *Breeding Bird Atlas* surveys and posting to *eBird*. And finally he describes his concept of patch birding, adopting a small parcel of land and visiting it regularly to note what birds pass by. If nothing else, this will get you outdoors with binoculars on a frequent basis. This is a fun book and one that holds promise to increase the reader’s birding skills. - VAL CUNNINGHAM

Putting Birds on the Map

The Atlas of Birds: Diversity, Behavior, and Conservation

by Mike Unwin, Princeton University Press, 2011, \$22.95

Birds are found on every continent around the world. They’re tough to overlook, because many of the world’s 10,000 bird species are conspicuous, colorful and noisy (compared to mammals and other life forms). And yet how much do we really know about the avian world?

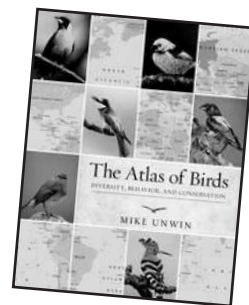
The Atlas of Birds: Diversity Behavior, and Conservation, aims to increase our knowledge about the world’s birds. The book provides a big picture look, focusing on bird biology, conservation status, importance to humans and other factors-on a global basis. Author Mike Unwin not only tells us where in the world birds live, where they’re in peril, what flyways they use on migration and what alien species threaten them, he shows us. The atlas features handsome, colorful maps on nearly every page, and they drive home essential points about birds’ lives.

There are other books that take a global, encyclopedic approach to birds, but what sets this book apart is its global mapping. For example, a two-page spread illustrates what percentage of a country’s birds are found nowhere else, visually making the case that such birds are highly vulnerable to habitat changes and competition. Other text and maps show the amazing variety of adaptations, from beaks to feet to nest building, that allow birds to thrive in nearly every habitat around the globe.

Auduboners will be especially interested in the focus on Important Bird Areas and maps that reveal the percentage of each continent that falls under this designation. Another set of maps, showing the distribution of avian orders, is equally fascinating. The last section of the book is devoted to efforts to protect birds and save their habitats. The case is made that by protecting birds, we are protecting bio-diversity, and, you might also say, preserving the planet.

The Atlas of Birds is a worthy addition to the library of everyone interested in birds.

VAL CUNNINGHAM



SAINT PAUL AUDUBON SOCIETY

PO Box 7275, St Paul, MN 55107-7275
WWW.SAINTPAULAUDUBON.ORG

April May 2013

June July Deadline 5/5/2013

Welcome... To the Saint Paul Audubon Society. We're a chapter of the National Audubon Society. Our Mission is to conserve and restore natural ecosystems, focusing on birds, other wildlife, and their habitats for the benefit of humanity and Earth's biological diversity.

CALENDAR

APRIL

Board Meeting1
Field Trip: Metro Lakes & Rivers6
Monthly Member Meeting: TS Roberts11
Early Migrants/Dakota Co.13
Woodcock Evening at AHATS23

MAY

Field Trip: Lake Elmo Park Preserve4
Nerstrand St. Park Wildflowers & Birds4
Board Meeting6
TUES: AHATS7
Monthly Member Meeting: Monarch/Classrm 9
Spring Warbler Weekend10-12
TUES: Crosby Farm Park14
Field Trip: Old Cedar Avenue18
TUES: Reservoir Woods21
TUES: AHAS28

June

Field Trip: Lebanon Hills1
Native Plant Expo1
Board Meeting:3
TUES: Vadnais/Sucker Lakes4
TUES: Benson Prairie11

Non-profit Organization
U.S. Postage
PAID
Permit # 3795
Twin Cities, Minnesota

Time Dated Material
CHANGE SERVICE REQUESTED

Welcome to Facebook!

SPAS has created a Facebook page to help communicate with members. Please "Like" us next time you're on Facebook.
<https://www.facebook.com/Saint-Paul-Audubon>

Sign up to go paperless!

Go to www.saintpaulaudubon.org, and look for the 'Go Green' button.

Watch Bird Banders

Carpenter Nature Center, Washington Co., 4th Fridays, 8 - noon. For info and directions, call 651-437-4359.

Springbrook Nature Center, Fridley, Anoka Co.; for dates and times to www.springbrooknaturecenter.org

You may be allowed to release birds.
Dress for the weather!

National Audubon Society Membership

C9ZM030Z

Yes! I will become a new member or give a new gift membership in the National Audubon Society. I will receive *Audubon Magazine* and Saint Paul Audubon's *The Cardinal* newsletter. Please fill in the form, make a check for \$20 out to National Audubon Society, and send it to the address below. Thank You Very Much!

Name _____

Address _____

City _____ State _____ Zip _____

Please sign gift card: _____

Mail to: National Audubon Society, P.O. Box 422250, Palm Coast, FL 32142-2250
(Write on envelope: "Attention: New Membership — please process immediately")

St. Paul Audubon Society Local Sponsorship

Yes! I want to be a sponsor of my local chapter, Saint Paul Audubon, by donating \$15, for which I will receive *The Cardinal* newsletter and other online news. Please fill in the personal information, make a check for \$15 out to Saint Paul Audubon Society, and send it to the address below. Thank You Very Much!

- I'm a NEW member! Please send my Welcome Packet right away!
- I currently receive National's *Audubon Magazine*.

Name _____

Address _____

City _____ State _____ Zip _____

Please sign gift card: _____

Mail to: Saint Paul Audubon, c/o John O'Connell, 2184 Larry Ho Drive, St. Paul, MN 55119