



The Ohio Dragon - Flier



** Newsletter of the Ohio Odonata Society **

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2013 OOS ANNUAL MEETING PHOTO

Photo of the 2013 OOS meeting attendees. Photo taken at viewing stand over Old Woman Creek Estuary.



Back row / Standing / left to right (?? Yellow shirt) : **Ian Adams** (2014 OOS Vice-President) : **Rick Nirschl** : **Shane Meyers** : **Dave McShaffery** : **Phyllis K** : **Jim Heflich** : **Andrew Boose** : (2014 OOS President)
Front row (kneeling) left to right : **Steve Chordas** (current OOS Newsletter editor) : **Rob Liptak** (2014 Member-at-Large officer) : **Bob Glotzhober** (2013 OOS President)

SAVE THE DATE : SATURDAY 21- JUNE - 2014 (OOS ANNUAL MEETING) By Ian Adams



The 2014 Ohio Odonata Society Annual Meeting will take place in the Oak Room at The West Woods Nature Center in Geauga County Ohio. This is a superb facility, with ample room for our group, digital projection and other A/V facilities. It is part of the Geauga Park District, which includes some of the best habitats in northeast Ohio for dragonflies and damselflies. I would like to thank Linda Gilbert and the Geauga Park District for making this facility available to OOS for our annual meeting. Linda is a naturalist at the Geauga Park District, and a coauthor, with Larry Rosche and Judy Semroc who wrote *the Dragonflies & Damselflies of Northeast Ohio*.

Physical Address = 9465 Kinsman Road (Route 87), Russell, Ohio 44072

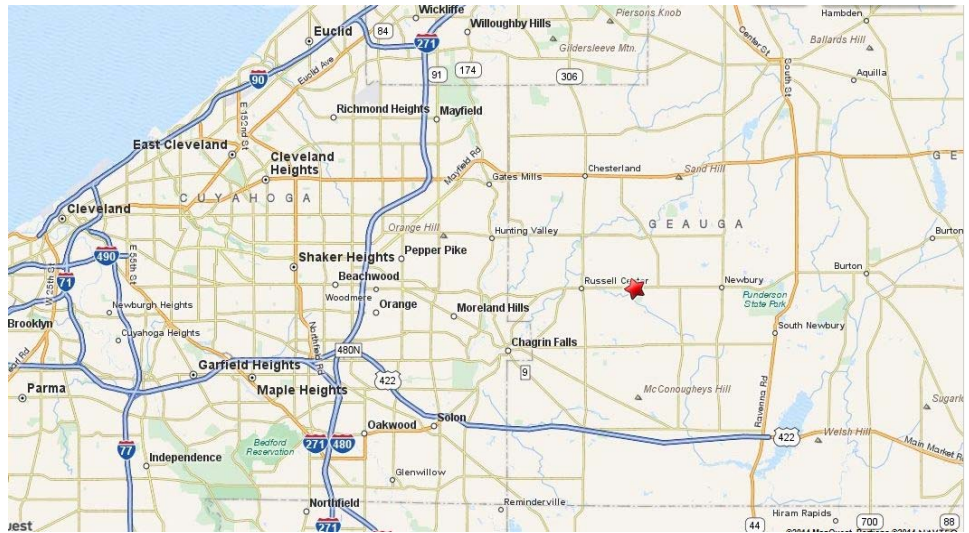
Nature center web link = <http://www.geaugaparkdistrict.org/parks/westwoods.shtml>



DIRECTIONS : See the web link for directions also (there is a tab for directions on the lower right portion of the page). The nature center is located east of US271 (east of Cleveland) on Route 87 (see map here / red star = nature center).

LODGING : For those needing hotel accommodations, we will provide some hotel info in the next newsletter in May. You may also find area hotels yourself / view map

AGENDA : Saturday we will begin at about 9:00am in the Oak Room. The day will include the OOS annual Business meeting, election of the 2015 officers for the society, two new photo records committee members will be elected for 2015-2017, Odonata focused talks, several field trip options, and mingling with fellow Ohio Odonata enthusiasts. More details will be included in the next Dragonflyer.



CALL FOR PRESENTATIONS : If you have a presentation you would like to give at the meeting, we welcome it. Please contact program director **Ian Adams** (ian@ianadamsphotography.com) or OOS President **Andrew Boose** at (boose@metroparks.net).

REGISTRATION : It is quite a bargain again this year = it is **FREE** !! All are welcome, please bring a friend and introduce them to the wonderful world of Odonates.



2014 OOS OFFICERS & COMMITTEE MEMBERS (WITH CONTACT INFORMATION) : By Steve Chordas III

NOTE : Officers serve for 1 calendar year (1-January to 31-December) and are elected at the OOS annual meeting (see Dragonflyer 21(2) 2011; page 4).

President : Andrew Boose (boose@metroparks.net)

Past President 2013 : Bob Glotzhober

Vice President : Ian Adams (ian@ianadamsphotography.com)

(rcglotzhober@wowway.com)

Member-at-Large : Rob Liptak (rjliptak@gmail.com)

Newsletter Editor : Steve Chordas III

Secretary / Treasurer : Bob Restifo (rarestifo@yahoo.com)

(stevechordas@sbcglobal.net)

The 6 member Photographic Records Committee consists of the following individuals with their e-mail contact:

1 year remaining (2014): **Linda Gilbert** (lkg38@roadrunner.com) & **Bob Glotzhober** (rcglotzhober@wowway.com)

2 years remaining (2014, 2015): **Ian Adams** (ian@ianadamsphotography.com) & **Rob Liptak** (rjliptak@gmail.com)

3 years remaining (2014, 2015, 2016): **Larry Rosche** (larryrosche@gmail.com) & **Shane Myers** (rebo429@gmail.com)

**A STUDY OF *E. HEROS* (SWAMP DARNER) AND
SURVIVABILITY OF LARVAE DURING VERNAL
POOL DRY PERIODS**

by Andrew E. Boose

In Ohio *Epiaschna heros* (swamp darner) occurs from late April to late August (Glotzhober and McShaffrey 2002: 169). Early season records may be migrants from the south with a resident population emerging later in the season. One of the main habitats for ovipositing (egg laying) by *E. heros* are vernal pools on annual basis. Is this a viable habitat for *E. heros* given the propensity for vernal pools to be completely dry 3 to 6 months of the year? Much of the literature I have read questions whether *E. heros* is waiting out these dry periods as eggs and hatching when the pools fill in the spring. As far as I could find there was no study on how, if in fact at all, *E. heros* survives dry spells. Many habitats occupied by dragonfly larvae become devoid of free water, intermittently or regularly, for several consecutive weeks or months in the course of a year (P. Corbet, 1999:189). Corbet's studies are based in tropical and desert habitats. There are no references to the mid west United States. Vernal pools are an example of these habitats where water is normally seasonally temporary. The pools fill in the late winter and early spring and go dry as early as May depending on precipitation, soil composition, water depth, temperatures and how much shade the pool receives. Adult female *E. heros*, at 90 mm, can be easily seen ovipositing (egg laying) into soft waterlogged wood and mud at the vernal pool's edge to over 2 meters above water level in old stumps (Personal observation).

Oviposition occurs in central Ohio around the end of April (Glotzhober and McShaffrey 2002:169). Eggs are deposited parallel to one another approximately 3 mm below the surface in series of one or more. On May 29, 2010 a female was observed ovipositing into mostly submerged waterlogged limbs and logs at a vernal pool near Boyer Pond in Westerville Ohio. A piece of a limb, 70 mm in diameter and 280mm long was collected to photograph the eggs. An egg was excavated from the wood and placed in small jar of water collected from the swamp. It hatched in 18 days. Pieces of wood with eggs still in them were placed in an aquarium with water from the swamp. The wood was submerged to the same level prior to collection from the swamp. The eggs from the wood samples hatched in 31 days. The larvae that came from the egg excavated from the wood then went on to spend the next year developing in an aquarium until they emerged as an adult on May 30, 2011. None of the eggs that hatched in June 2011 developed to a stage that allowed emergence before the end of the summer 2011 despite being fed copious amounts of fairy shrimp, mosquito larvae, midges and small earth worms. Some literature suggests that *E. heros* were surviving seasonal dry periods as eggs. I found that eggs

left in wood that were allowed to dry for as few as 10 days failed to emerge after re-wetting of the wood. The eggs that were excavated showed no signs of development. This suggests that the *E. heros* needs more than one season to completely develop into an adult stage and that eggs can not survive after a short period of dry time let alone an entire season.

To further study the question, are *E. heros* surviving in vernal pools seasonally absence of water, a site was selected for the study. A 1080 square meter vernal pool in Sharon Woods Metro Park in Westerville Ohio was my study site. The pool is surrounded by several large 100+ year bur oaks and many smaller elms, maples and ash. (At this time, 2013, all the ash are now dead due to Emerald Ash Borer). On July 29th, 35 *E heros* larva, 25 mm and smaller, were netted from the 3/4 full pool. This determined that a population existed to study. Total sampling time was two people 20 minutes each. Positive identification was keyed out using *Dragonflies of North America* by Needham, Westfall Jr. and May, 2000.

By September 17, the pool was completely devoid of water. Under the once submerged leaf litter, the soil was hard and cracked. I surmised there would be a gathering of dead larvae at the deepest point in the pool where the last of the water would have pooled. There were none to be found but individuals were found in the shade of a large trunk and limbs of a dead oak that had fallen into the vernal pool. It took 10 minutes of searching to find 6 individuals in the leaf litter approximately 12 to 30 mm below the surface of the leaf litter. The larvae were not burrowed into the mud, rather resting between layers of leaves. These were placed in water and after a few minutes returned to normal movement. Feeding resumed within 24 hours. The 6 larvae were placed in an aquarium for observation and returned to the pool when it filled with water in March. On Jan 2, five larvae were excavated from the frozen leaf litter. The pool still had no free water. Each larvae was placed in its own plastic monitoring tub. Each tub was 11 cm wide by 15 cm long by 6 cm deep with plastic sides and window screen attached to the top and bottom to keep the larva in the tub and allow water and air to move freely. As larvae were found, one each was placed in the tub along with leaf litter. The larvae were placed in the leaf litter as close as possible to how they were found in the leaf litter in the dry vernal pool. Each tub was then placed back into the leaf litter to mimic their original resting place. Each tub was anchored on four sides with small metal stakes to keep the tub from floating when the pool refilled. A one meter piece of fishing line was then tied to the top of the tub and a float tied to the other end for easier relocation of the tubs after the pool had filled with water. The fishing line was left coiled on top!

On February 27, the pool had 27 cm of water after being dry, subjected to below freezing temperatures, being

covered in snow, and then finally filling. After donning a pair waders, I located each tub by finding the floats and pulling the tubs out with the attached fishing line. All five larvae had were still living and had moved to the top of the leaf litter in the tubs. The larvae were then placed in an aquarium to be fed and monitored in individual cells. While in the aquarium they were fed fairy shrimp, midges, small earth worms and a copious amount of water fleas.

In June 2011 one of the five larvae emerged as a male adult. The other four were returned to the pool to finish their development. In conclusion I have found that *E. heros* does not survive in the egg stage during dry spells but *E. heros* does survive in the larval stage for long periods; in this case 5 months and 10 days in vernal pools after the pool is devoid of water. Also I found that *E. heros* has a viable local population using vernal pools.

In the 2006 *Williamsonia*, Mark O'Brien asked the question of whether or not Michigan had local populations. Perhaps this process used in Michigan could help answer that question.

A special thanks to Mac Albin, Metro Parks Aquatic Ecologist for inspiring a query into the swamp darner's life history and joining in the sampling for larvae.

CALL FOR NOMINATIONS : OOS PHOTOGRAPHIC RECORDS COMMITTEE MEMBERS

By Steve Chordas III

We are soliciting nominations for two new OOS members to serve on the Photographic Committee (PRC) starting in 2015. Members serve on the committee for the duration of 3 calendar years (1-January through 31-December). Two new members will be elected at the 2014 OOS meeting and begin their 3 year tenure as a contributing committee member on 1-January-2015. Send nominations to the newsletter editor Steve Chordas (stevechordas@sbcglobal.net) or contact Steve by phone at 614-421-7159. *Thanks*

** If you have a photo record of a Dragonfly or Damselfly, please contact a current committee member to have your photo evaluated for acceptance as an official Ohio record (see members + contact info listed in this issue on page #2).

** We thank both **Larry Rosche & Shane Myers**, who's terms expired on 31-December-2013, for serving on the PRC from 2011 through 2013. We further thank both **Linda Gilbert & Bob Glotzhofer**, who's terms will expire on 31-December-2014, for serving on the PRC from 2012 through 2014.

*** Funny thing - Both Larry and Shane are the newly elected members of the PRC for 2014-2016! Welcome back both of you and thanks so much for your commitment to OOS and the Photo Records Committee. ☺ ☺ Bob / Linda? 3 more wonderful years ?*

Apply this year!

SMALL GRANTS FROM OOS? *By the OOS Officers*
Editors note : to date we have not been able to give away any \$\$... why - noone has applied! You have 3 months until the deadline for this \$\$ - apply this year!

Attached to the email including this Dragonflyer newsletter was a fillable form that members can use to apply for the OOS Small Grant for 2014-2015. *Below is re-printed / updated from the dragonflyer Volume 21#2, 2011*

This is the call for proposals that is open to current OOS members in good standing (i.e. paid for the year proposal is submitted (2014) & potentially funded). The recipient, or recipients, of the small grant (if any) will be expected to present their findings, or project overview and results, to that point at the annual OOS meeting the following year. (i.e. projects receiving a small grant in 2014 must present at the 2015 annual meeting).

Small grant proposals up to a maximum of \$500.00 will be evaluated and considered. The OOS officers serving at the time of the proposal submission will form the committee to evaluate, accept and potentially fund the proposal (or proposals). Duration of the small grants program will be limited by the amount in treasury that exceeds anticipated operating funds and will be suspended upon depletion of the OOS funds available. Application form and details, deadlines and evaluation procedures are in the attached application form. If you have trouble with this document please contact newsletter editor Steve Chordas III (stevechordas@sbcglobal.net) or contact Steve by phone at 614-421-7159 and we will get a form to you. Also see the motion for the small grants in the meeting minutes on page 4 of the 2011 Dragonflyer (Volume 21 Number 2, 2011).

Submit your winning proposal now (completed proposals are to be submitted to the OOS President :**Andrew Boose** (boose@metroparks.net). Proposal submissions will be officially be accepted until 11:59pm on 10-June-2014. Announcement of the winning proposal (if any or proposals if more than one) will occur at the next annual meeting (21-June-2014). Best of luck!

DRAGONFLIER BACK ISSUES ?

from The Editor

Need any back issues of the Dragonflyer? Can't find yours, it is somewhere - but yea I don't know where. Get a replacement. Any OOS member in good standing may request a back issue. Send request with specified volume/issue to Steve Chordas III (stevechordas@sbcglobal.net), if you wish a hard copy, please specify that and provide the snail mail address to which it should be sent. *Many thanks.*

Volume 23(1) : 2013

Volume 22(1) : 2012

Volume 21(1) & 21(2) : 2011

Volume 20(1) & 20(2) : 2010

DRAGONFLY POND WATCH PROJECT

from Bob Glotzhofer

Re-printed from the Dragonflyer volume 23(1)

Pond Watch is a project through the Xerces Society (<http://www.xerces.org/>) that is intended to connect citizens with scientists in a joint effort to gather information about dragonfly migrations. You don't need to be an expert naturalist to participate, just an observant individual with access to a pond. Pond Watch participants regularly visit a local wetland or pond and note the presence (or absence) of North America's five main migratory species: common green darner (*Anax junius*), black saddlebags (*Tramea lacerata*), wandering glider (*Pantala flavescens*), spot-winged glider (*Pantala hymenaea*), and variegated meadowhawk (*Sympetrum corruptum*). By making observations throughout the year, Pond Watch volunteers will help contribute to the knowledge about relationships between resident and migratory members of the same species.

Details + how to get involved and even register your local pond at <http://www.xerces.org/dragonfly-migration/pondwatch/> Lets get a representation of Ohio ponds for this project, perhaps team up with some friends!

Calendar of Upcoming Meetings / Events:

by editor Steve W. Chordas III

OOS Annual Meeting **

Saturday the 21st of June 2014 : about 9:00am - 4:00pm+. The West Woods Nature Center (Geauga County, Ohio) See page 2 for more specific details. Address = 9465 Kinsman Road (Route 87), Russell, Ohio 44072.

Open to all OOS members & the public - free of charge.

DSA 2014

13-15 June 2014, Wisconsin, USA. Further details to come in the next issue.

2013 OOS ANNUAL MEETING - RECAP

Steve Chordas III

The 2013 OOS meeting was attended by 12 individuals at Old Woman Creek estuary in North Ohio. We had a short meeting - a few talks (see minutes) and then field walks in several locations on the property. Weather was very nice (unlike this week in early February ! don't worry warmer days are coming ... they are ... they are !!). Thanks to all who attended the 2013 OOS meeting (see photo - page 1).



ODONATA IN EVERYDAY LIFE ?

Contributions from Bob Restifo

More Contributions from Bob Restifo for the next issue also (thanks Bob)

The following half-dozen (yes 6) items of various Dragonfly items are from Bob Restifo. **Thanks Bob** © (many more Odonata items to come from Bob in future issues).



Garden Decor x2



Hair Clips



Light up Table Decor



Mouse Pad



Magnets

This section is intended to be a member driven / contribution section. Take a photo, send in a comment, make a comment, tell us where to get good Odonata "things". Send your examples, comments, contributions, photos, etc to editor Steve Chordas III at (stevechordas@sbcglobal.net) or snail mail at 1063 West 2nd Avenue, Grandview Heights, Ohio 43212.

2013 ODONATA REPORTS FROM ANNUAL MEETING FIELD TRIPS.

Request from the editor

Anyone that has a species lists / photo records / observations etc of Odonata from the 2013 annual meeting at Old Woman Creek, please forward those to the newsletter editor Steve Chordas (stevechordas@sbcglobal.net) and they will be included in the next issue of the Dragonflyer (currently scheduled for May 2014) **Thanks !!**

MINUTES FROM THE 2013 ANNUAL MEETING.

By Steve Chordas

Saturday, 22 June 2013: The 2013 meeting was opened by President Bob Glotzhober at 9:00am and a sign-in sheet was passed around with 12 individuals in attendance. Attendees ranged from local photography & nature enthusiasts to world-known collectors and professional photographers.

Presentations: *Heather Elmer* (the Naturalist at the Old Woman Creek Estuary) welcomed all of us with a great presentation that included photos and information about Old Woman Creek Estuary / history / current status / habitat and what the “friends” of the estuary are all about. See more info at www.oldwomancreek.org

Dave McShaffery presented on the OOS database: how the database is organized, how it is searchable, spreadsheet view and how to find / review records and links any of us can use. Odonata Central has Ohio data also, not linked directly to OOS but there is a lot of Ohio data there. Best option is to visit both places. Very useful info about the OOS data.

Business meeting called to order by society president Bob Glotzhober. Old business was discussed with nothing needing altered or voted upon. New Business proceeded to nominations and election of OOS officers for 2014.

Elections: Dave McShaffery motioned that rotation of officers take place such that vice-president becomes president, member at large become vice-president and secretary remain the same (as has become custom for OOS) leaving only the member at large to be elected as new; Andrew Boose second - motion unanimously passed.

Rob Liptak was nominated to hold the Member at Large position by Ian Adams; second by Shane Meyers. Nomination unanimously passed.

Steve Chordas (current newsletter editor) will remain the newsletter editor for 2013 - 2014.

Thus, officers for the Ohio Odonata Society for the 2014 calendar year are as follows:

President : **Andrew Boose**

Vice President : **Ian Adams**

Past President 2013 : **Bob Glotzhober**

Secretary / Treasurer : **Bob Restifo**

Member-at-Large : **Rob liptak**

Photo records committee members: The election of 2 new members of this committee occurred. Andrew Boose nomination both Shane Meyers and Larry Rosche (essentially re-establishing the members who's terms were expiring), second by Rob Liptak - motion unanimously passed. Thus the 6 members of the PRC are as follows: Linda Gilbert & Bob Glotzhober; Ian Adams & Rob Liptak; Larry Rosche & Shane Myers (also see page 2 of this newsletter; bottom of page).

Open discussions of topics and collection / meeting sites for next year: Open discussion of general Odonata

identification occurred. Meeting locations were generically discussed. Northeast Ohio was discussed extensively and it was decided that general area would be the location of the 2014 OOS annual meeting.

A motion was made by Andrew Boose to donate \$\$ to the Old Woman Creek Estuary as a thank-you for hosting the meeting and allow the members access to the facility. Motion was seconded by Rick Nirschl - motion unanimously passed. We will ask treasurer Bob Restifo to send the check. Our treasury is in good standing at over \$2000.00 (as of June 2013) [Bob was not able to attend the meeting so exact #s are not included in the minutes].

Steve Chordas reported the deadline for the 2013 grant submissions had passed, with **no** submissions. See this newsletter (page 4) for details of the application process for 2014 - you should apply - Get up to \$500.00 !!

*** Motion to adjourn was made by Dave McShaffery, Bob Glotzhober second, motion unanimously passed. The 2013 OOS meeting was adjourned at 11:40am*

A group picture was taken at the viewing stand over Old Woman Creek Estuary (see page 1 of this newsletter).

Meeting notes compiled by Steve W. Chordas III.

ERRATA

2012 PHOTO RECORDS REPORT.

From Larry Rosche + the PRC

We made an error in reporting a new record from 2012 in the Dragonflyer (issue 23(1) : 2013). We listed *Aeschna umbrosa* as being new from Adams county, it should have been listed as “Hardin”: county / Lawrence Woods State Nature Preserve.

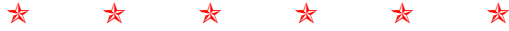
Correct data for the species is: *Aeschna umbrosa* (Shadow Darner), Hardin Co : I. Cowie / K. Gibson

***Special thanks to OOS member I. Cowie for bringing this error to our attention. & Sorry about the error.*

★ If you have announcements or event notification information to include in the “calendar of events section”, please send information to the editor at stevehordas@sbcglobal.net for inclusion in the 2014 (Volume 24, #2) newsletter. *Thanks !!*

2014 DRAGONFLY SOCIETY OF THE AMERICA'S

The 2014 meeting will be the 13th - 15th of June in Wisconsin, USA. There are no current details for this meeting posted on DSA's webpage or their facebook page. Once details become available, we will provide in the next issue of the Dragonflyer. *** If you are a DSA member and have details you can share, please forward them to the editor at stevehordas@sbcglobal.net Thanks !!*



2014 MEMBERSHIP REMINDER ! *From the OOS officers.*

✓ *OOS membership runs on a calendar year.*

* In the past, many members paid their dues at the annual meeting (which will be held 21-June in 2014). You can still pay 2014 dues at the annual meeting. We will have dues forms for 2014 + 2015 at the annual meeting also (so you can join for the next year!). A form is included at the end of this newsletter. *Thanks!!*



DRAGONS WILL BE HERE IN OHIO SOON !
KEEP YOUR EYES OPEN AND LET US KNOW
WHEN YOU SEE THEM !



PLEASE SUBMIT :
NEWSLETTER CONTRIBUTIONS !!

From the editor, Steve W. Chordas III

Special Thanks to **Andrew Boose, Bob Glotzhofer, Bob Restifo** for submitting contributions to this newsletter!!

We are always looking for your thoughts / findings / Odonata related materials, announcements or general information to include in the Dragon-flier. We welcome submissions from our membership. Feel free to send your contributions, ideas, suggestions to Steve Chordas at (stevechordas@sbcglobal.net) or snail mail at 1063 West 2nd Avenue, Grandview Heights, Ohio 43212.

OHIO ODONATA SOCIETY : 2014 DUES STATEMENT



Regular Membership (1 year) = \$ 5.00
Membership runs from 1-January to 31-December 2014
Supporting Membership = \$10.00

_____ *(Yes) I would be interested in receiving the Ohio Dragon-Flier via e-mail as a PDF file, instead of via U.S. surface mail. (Your e-mail address is required for this option).*

Name: _____

Address: _____

City, State, Zip Code: _____

Phone (Optional): _____

E-mail Address (Optional): _____

* Return this form with payment (cash encouraged - receipts will be sent) to :
(Make checks payable to : Ohio Odonata Society)

★ We will also have 2014 membership forms available at the Annual meeting in June.

Bob Restifo
Treasurer : Ohio Odonata Society
339 Whispering Pines Court
Worthington, Ohio 43085