



# Wisconsin Entomological Society

## Newsletter

Volume 44, Number 1

February 2017

### Monarch Magic

*By Phil Pellitteri*

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I am old enough to remember the discovery of the Mexican overwintering sites in an article in National Geographic. I was disappointed when the honeybee was voted as the state insect instead of our beloved native butterfly. I have tried to explain the many factors that have impacted monarch populations when I am out giving talks. Since I have retired, I have had the chance to watch the migration and wish for the large populations which I saw when I was younger. But I never expected to experience what I saw this fall.

It was the morning of September 18<sup>th</sup>. I was out bowhunting in Iowa County on a property that my friends own between Avoca and Muscoda. My neighbor and I were going out to set up a tree stand and were driving along the edge of a 40-acre field filled with a new crop of clover. As we drove past the wood's edge, hundreds of butterflies flushed into the air. They had been roosting in the bushes and trees on the west edge of the field. If you looked behind us, you could have seen 50-60 butterflies in the air at any one time and the numbers were constant for the whole length of the field and the adjacent 50-acre clover field. I've guessed that we saw at least 700-800 butterflies that morning. We were excited to share the experience with our friends, although a storm front came through that afternoon and when we went back to the site

the next morning, we saw only a couple of monarchs.

The next evening (September 20), I was sitting in a tree on the edge of the first field. I had a couple of butterflies come in about an hour before sunset and land in a tree branch about 12 feet away. Over the next hour, when a new butterfly approached, the roosting monarchs would flash their wings and often the butterfly would land on the branch. There were about 15 monarchs clustered on the one branch and at least another 20 in other places on the other side of the tree. I did get a chance to video-record some of their behavior. While not reproducing the overall numbers of the first morning, it still became a special experience.



Photo by Richard Hansen/Monarchwatch.

This was a magical first for me. I know that the populations as a whole are under tremendous stress, but for a couple of days this fall, I got to see what the migration is supposed to look like.

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## Year 2016: Some Highlights from the UW-Madison Insect Research Collection (WIRC)

By Dr. Daniel K. Young

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In January, we began having regularly scheduled, weekly strategic meetings between the WIRC curator, **Dr. Craig Brabant**, and WIRC director, **Dr. Daniel K. Young**. The meetings grew out of our desire to draft a comprehensive WIRC **Management Policy Handbook** that will address all aspects of collection management and enable us to further develop **Best Practices** spin-off documents, Power Point presentations, videos, and protocols for the WIRC and those engaged in collections-based research, projects, internships, volunteer opportunities, etc.

January also saw a Saturday **Open Cabinet** Coleoptera-sorting event. Organized by Craig, the day-long event brought together 18 participants throughout the day who examined and sorted to family or beyond 6,963 specimens—representing 77 beetle families—from the drawers of unsorted Coleoptera in the WIRC.

During the Spring Semester, one of the courses Dan taught was Entomology 701 – Advanced Taxonomy of Diptera. One of the things Dan wanted to incorporate into the course was WIRC-based requirements to engage students directly with the collection. Prior to “turning them loose” in the WIRC,

Craig created an **Introduction to the WIRC** document outlining the basic protocols and guidelines for working with specimens in the collection. He also created a multi-page illustrated primer that explained the process of verifying scientific names. Then, with an Excel template Craig created, students were required to update the taxonomy for selected fly families and harvest data from specimen labels in the WIRC Diptera holdings, as part of their course requirements.

One off-shoot of course-related field work produced two new WIRC-based publications:

- Young, D.K. and C.M. Brabant. 2016. New records of *Diastata repleta* Walker (Diptera: Ephydroidea: Diastatidae) from Wisconsin. *Entomological News*, 126(3): 191–195.
- Young, D.K. and C.M. Brabant. 2016. New Records of *Aulacigaster neoleucopeza* Mathis and Freidberg (Diptera: Schizophora: Aulacigastridae) from Wisconsin. *The Great Lakes Entomologist*, 48(1–2): 98–102.

In March, Craig researched several options for a new WIRC focus-stacking imaging system to augment the Auto-Montage system that is beginning to feel its age. This included inviting Madison-area photographer Don Parsons to consult on the new system. The final set of components were ordered and assembled in late March. Don Parsons was again invited to the WIRC in early April to provide initial training on the new system that is now housed in the WIRC imaging facility.

The WIRC participated for the first time in the UW campus-wide **Science Expeditions** program on Saturday, 02 April. Ninety-nine

visitors signed our guest book and explored our exhibits in 147 Russell Labs throughout the afternoon. We also participated, along with UW-Madison Insect Diagnostician (and WES President) PJ Liesch, in the summer *Grandparents University* entomology major program.

In June, Dan flew off to the annual meetings of the *Society for the Preservation of Natural History Collections* (SPNHC: 18-25 June, Berlin, Germany) to represent the WIRC along with the UW Natural History Museums Council, as institutional member. Dan also serves on the SPNHC Best Practices Committee.

As some of you know, September brought together the largest single assemblage of entomologists ever gathered at one point on the globe, when the *XXV International Congress of Entomology* met in Orlando – in conjunction with the *Entomological Society of America, the Entomological Society of Canada, the Florida Entomological Society and the Entomological Collections Network* (ECN). The WIRC was represented at the ECN meetings with a poster presentation: **Brabant, Craig M. and Daniel K. Young. The Wisconsin Insect Research Collection — a dynamic and growing research collection.**

At the ICE meetings, Craig also delivered a research talk:

**Taxonomic revision of the Neotropical velvet ant genus *Tallium* André with discussion of two novel setal types (Hymenoptera: Mutillidae).**

As the WIRC continues to plug along on digitizing every drawer of its holdings – part of a now concluded, 4-year National Science Foundation (NSF) supported, collaborative grant – we entered into a new NSF-TCN

(Thematic Collections Network) grant proposal entitled, *COLLABORATIVE RESEARCH: DIGITIZATION TCN: Northern range limit dynamics of beetles and host plants across the Great Lakes floristic tension zone*, or as we call it for short, *Shifting Biomes*. If supported (fingers crossed), the grant would provide four years of funding – that earmarked for the WIRC would largely support UW-Madison undergraduate student hourly workers in capturing specimen collection event label data from selected beetle families for inclusion in the cloud-based, ginormous data set relating to beetles and plant taxa in and around the ecological “tension zone” that runs through part of Minnesota, all of Wisconsin and Michigan, and up part of the St. Lawrence waterway into New York.

Dan was also most fortunate in 2016 to land a UW-Madison *Instructional Laboratory Modernization* grant. The entomology Instructional Collections fall under the auspices of the WIRC, and as such, cabinetry, drawers, unit trays – and even pins, have historically been “pirated” from the WIRC to support entomology instructional labs and courses. This grant enabled us to purchase seven, 24-drawer cabinets, 225 new USNM-style drawers, and more than 5,100 unit trays for the WIRC – to offset those resources now devoted to the instructional labs.

During 2016, more than 13,000 new specimens were added to the curated portion of the WIRC – it’s not even possible to enumerate the number of “bulk wet specimens” added from several inventory projects. We trained and supervised 12 WIRC workers, student interns, and volunteers in the WIRC (933 person hours last updated, 1 November).

As we enter 2017, we look forward to completing drawer digitization of the Hymenoptera, Diptera, Hemiptera, and reconfiguring the Lepidoptera holdings in preparation for drawer scanning. We will also complete our *WIRC Management Policy Handbook* and work on some of the new protocols and support materials identified at the beginning of this summary. We also plan to initiate a new summer *WIRC Sponsored Collecting Expedition* to engage students in some of the field aspects of taxonomy, while also continuing to grow the holdings of the WIRC. Hopefully, we will be able to report back on that new initiative next year!

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### **Additional Wisconsin Records of Pseudoscorpions**

*By Dreux J. Watermolen*

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We know very little about Wisconsin's pseudoscorpions. Only eight species have been reported from the state and nearly all records are more than 60 years old. About a decade ago, I tabulated published reports and suggested a number of museum collections that would merit examination for additional records<sup>1</sup>. A more recent review of online collections databases from several of the named institutions has yielded a handful of new county records:

- *Microbisium brunneum* (Hagen, 1868) has been reported from Florence, Jackson, Lincoln and Rusk counties. To these records we can add a specimen in the Museum of Comparative Zoology's collection that was taken from under a stone near railroad tracks in Waukesha

County in October 1946 (MCZ 102442).

- *Microbisium parvulum* (Banks, 1895) has been reported from 13 Wisconsin counties. In addition, the Illinois Natural History Survey's collection includes specimens collected from Wisconsin Dells in Columbia County in October 1949 (INHS 491633) and Ephraim in Door County in August 1947 (INHS Pseudoscorpion 95). A second lot collected at Wisconsin Dells in 1949 (INHS Pseudoscorpion 98) includes 20 specimens, perhaps the 20 that Nelson (1984)<sup>2</sup> indicated he had examined from the state.
- *Chelifer cancroides* (Linnaeus, 1758) has been reported from Dane, Marathon and Portage counties. An additional specimen in the Museum of Comparative Zoology collection (MCZ 102255) was collected in a house in Black River Falls in Jackson County in June 1946.

In my review, I also suggested that voucher specimens from H. W. Levi's work in Wisconsin were likely to be found at the Museum of Comparative Zoology. That has turned out to be the case. *C. cancroides*, *Lamprochernes minor* Hoff, 1949 and *Pselaphochernes parvus* Hoff, 1945 specimens from Dane County (MCZ 102396-102399, 102252, 102584, and 102586) are clearly those referenced in his 1949 and 1953 works<sup>3,4</sup>. Interestingly, Levi thought that his collections of *Lamprochernes* might represent two different, though closely related, species<sup>4</sup>. The museum collections include a Dane County specimen taken by Levi in 1949 (MCZ 102400) that is labeled "*Lamprochernes netinae*," a name that has

apparently never been published. Perhaps this specimen represents what Levi believed might be another species.

Verification of these records will require examination of the actual specimens, but as is evident from the above, opportunities still abound to add to our knowledge of this small but interesting order. It is my hope that reports like this will stimulate the interest of others in making those additional contributions.

## References

- <sup>1</sup> Watermolen, D. J. 2007. Pseudoscorpion records from Wisconsin. Wisconsin Dept. Natural Resources *Research/Management Findings* 59:1-8. Online at <http://dnr.wi.gov/files/PDF/pubs/ss/SS0759.pdf>.
- <sup>2</sup> Nelson, S., Jr. 1984. The genus *Microbisium* in North and Central America (Pseudoscorpionida, Neobisiidae). *Journal of Arachnology* 12(3):341-350.
- <sup>3</sup> Levi, H. W. 1949. Studies on the life history of three species of Wisconsin pseudoscorpions. Ph.D. thesis. University of Wisconsin, Madison.
- <sup>4</sup> Levi, H. W. 1953. Observations on two species of pseudoscorpions. *Canadian Entomologist* 85(2):55-62.

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## Dr. Roy Lukes (1929-2016)

Educator, writer, photographer, conservationist, and longtime WES member Roy Lukes passed away in Egg Harbor, Wisconsin on 26 June 2016, following a lengthy illness. He was born in Kewaunee, Wisconsin on 5 August 1929. After graduation from high school, he attended the Door-Kewaunee Teacher's College (2 years)

and continued his education at the State Teacher's College in Oshkosh (now UW-Oshkosh), from which he earned his bachelor's degree in 1953. After serving for two years in the U.S. Army (at Fort Sill, Oklahoma), he began teaching elementary science at Shorewood Hills School in Madison. There, he also began a master's degree program, which he completed in 1959. Multiple teaching appointments followed, until he accepted a fulltime position in 1976 as resident manager and naturalist at The Ridges Sanctuary in Baileys Harbor, Wisconsin.

In the summer of 1968, Lukes began writing weekly nature articles for The Door County Advocate, which he later expanded to many other regional publications. He is reported to have written over 3,000 such articles, along with five books. He also used his skills as a nature photographer to illustrate his numerous published works. In 2002, Lawrence University in Appleton awarded Lukes an honorary Doctor of Science degree. He was likewise honored in 2004 with the UW-Oshkosh Chancellor's Medallion, and received Lifetime Achievement Awards from The Gathering Waters Conservancy and Wisconsin Society for Ornithology. A celebration of his life was held on 7 August 2016 at the Door County Auditorium. He is survived by his wife, Charlotte, and many other relatives.

A more detailed obituary of Lukes (along with a color photo) may be found at the following link:

<https://doorcountypulse.com/obituary-roy-lukes/>. WES treasurer Les Ferge kindly provided this biographical information.

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The *Wisconsin Entomological Society Newsletter* is published three times per year. The newsletter is provided to encourage and facilitate the exchange of information by the membership, and to keep members informed of the activities of the

organization. Members are encouraged to contribute items for inclusion in the newsletter. Please send all news items, notes, new or interesting insect records, seasonal summaries, and research reports or requests to the editor.

Dues notices for 2017 were mailed in early January. Prompt payment will be most appreciated. Members already paid for 2017 or ahead will not receive notices. Dues status appears after your name on address labels of all mailings. Please contact Les Ferge at [lesferge@gmail.com](mailto:lesferge@gmail.com) with any questions.

**Membership Dues:**

**Individual or family: \$10 per year**

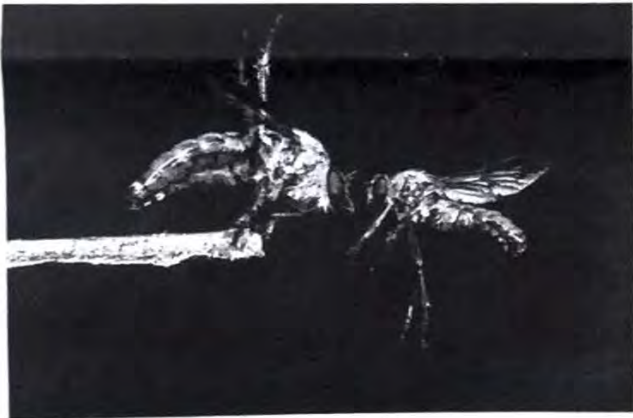
**Sustaining: \$15 per year**

**Patron: \$25 per year**

Please make checks payable to WES and send to:  
Les Ferge, Treasurer, 7119 Hubbard Avenue,  
Middleton, WI 53562-3231. [lesferge@gmail.com](mailto:lesferge@gmail.com)  
Please report any address changes to the Treasurer.

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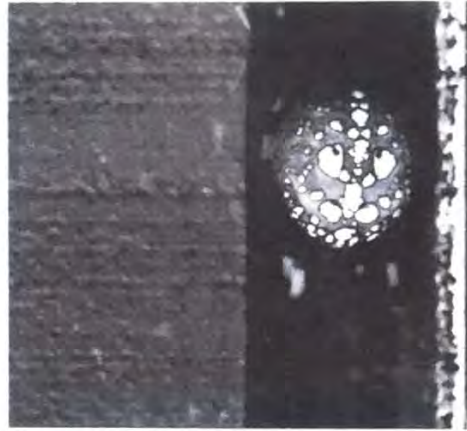
**Winners of the 2016 Photo Salon Contest:**



**First Place: Jeff Gruber (robber fly mating ritual).**



**Second Place: Tom Klubertanz (mayfly larva). *Siphonurus phyllis*.**



**Third Place: P. J. Liesch (Shamrock Orbweaver).**

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At the Fall 2016 WES meeting, member Anita Carpenter displayed her 'milkweed quilt' (below), that was highly acclaimed. The level of detail achieved in depicting the various milkweed species and insects' life cycles is remarkable. Thank you, Anita, for bringing this in for us to admire!



Photo by Marci Hess.

At the same meeting, WES member Sabrina Stewart displayed her grand-prize-winning insect collections (below). Her next column immediately follows.



Photo by Marci Hess.

## Junior Entomologist's Corner: Bug of the Month

By Sabrina Stewart  
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This year for an early Christmas present, my parents got me 13 pets. I know what you are probably thinking . . . What parents get their kid 13 pets? There is a little twist to the 13 pets. They aren't exactly what most kids want for a pet. Before I tell you what they are, they all live in the same little box and I mist them everyday to keep the rotting wood moist. Did I tell you that they eat rotting wood? Do you know what they are yet? Well, now here is the big moment . . . my 13 pets are (drum roll, please) Bess Beetles (*Odontotaenius disjunctus*)!!



Photo by Stacy Stewart.

(My parents had to order them early because they couldn't ship them in the wintertime.)

Before I mist them, I try to find one to hold. Because I keep them in a dark room, they think it is safe to come out and wander around. It's dark inside a rotting tree, so the dark room feels more like home to them. I like to hold them because every time you pick up one or accidentally touch it, it starts to hiss at you. Well, I would say it isn't exactly a hiss, it is more of a squeak. Personally, I think that is pretty cool. Once they get used to your hand, they just sit on it and look pretty. That is why my Bess Beetles are my favorite bug of the month.

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## Books and Websites

By Andrew Khitsun  
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**Diving Beetles of the World** by K. Miller, et al., is the most comprehensive volume on the family Dytiscidae or water beetles, and a must have for beetle fans. Equally impressive is **Predaceous Diving Beetles of the Nearctic Region**, with emphasis on the fauna of Canada and Alaska, by D. Larson, et al. **The Passion for Butterflies: The Life and Travels of a Butterfly Artist** by I. Loe features magnificent works on butterfly art, and makes a great gift to someone for whom you will spend any kind of money (and money you'll need). **The Poetry Bug** by J. Tennent provides an anthology of hundreds of poems about insects – and is divided by insect groups!

**Mason Bee Revolution** by D. Hunter, et al., talks about a potential replacement for the familiar honeybee, which is even a better pollinator, according to the authors. Likewise, **Pollinators of Native Plants: Attract, Observe and Identify Pollinators and Beneficial Insects with Native Plants**

by H. Holm discusses other native insects and creatures that help to grow native plant gardens (and in turn are helped by them).

**Insects and Other Arthropods of Tropical America** by P. Hanson introduces reader to the more common insects south of us. So, if you travel and don't need the most detailed field guide, this one should suffice for helping to ID many of your finds at least to family and possibly to genus level.

**Planet of the Bugs: Evolution and the Rise of Insects** by S. Shaw states that neither dinosaurs in the past nor humans now rule the earth – insects have always done that! **The Bug Book: A Fly Fisher's Guide to Trout Stream Insects** by P. Weamer is yet another entomology book for fly fishers and claims to cover all the major aquatic insects of the United States. A couple of textbooks also need to be mentioned here, for they are comprehensive in their field and come in handy not just for students: **The Insects: Structure and Function** by R. Chapman, et al.; **Insect Ecology: Behavior, Populations and Communities** by P. Price, et al.; and **Physiological Systems in Insects** by M. Klöden.

There is also a trio of books on insect conservation by T. New: **Lepidoptera and Conservation; Hymenoptera and Conservation; and Beetles in Conservation** – each one reflecting the differences of these various groups of insects and how their conservation is affected by them. For less serious reader, **The Wasp That Brainwashed the Caterpillar: Evolution's Most Unbelievable Solutions to Life's Biggest Problems** by M. Simon is a collection of fun facts and tall (but true) stories about insects.

There are also three volumes of richly illustrated books called **The Beauty of**

**Moths and Butterflies** by G. McCann – specifically designed as a gift for a child, or a senior with ailments like dementia or Alzheimer's. In the more unusual and exotic insect section, **The West Palaearctic Achilidae (Fulgoroidea) - A Review with Description of Five New Species from the Mediterranean** by M. Asche and **Mantids of the Euro-Mediterranean Area** by R. Battiston are each fine volumes on their respective topics and typical of European insect literature.

Finally, on the Wisconsin front, **Ferns of the North Woods: Including Horsetails & Clubmosses** by J. Walewski continues this popular series for those interested in more things than just invertebrates.

#### **New Publication**

The University of Wisconsin-Extension, Cooperative Extension, recently published **Mayfly Larvae of Wisconsin (G4074)** by Dr. Thomas H. Klubertanz  
<https://learningstore.uwex.edu/Mayfly-Larvae-of-Wisconsin-P1813.aspx>.

This richly illustrated, spiral-bound book allows identification of larvae of over 150 mayfly species known from Wisconsin and nearly 40 more ranging from likely to possible in the state. Species accounts detail their ecology and distribution. This peer-reviewed publication includes nearly 400 color photos, maps, and in-depth figures (8.5 x 11," 300 pages; 2016). Cost is US\$60.00.

For more information, contact The Learning Store at 877-947-7827, [learningstore.uwex.edu](https://learningstore.uwex.edu), or <https://learningstore.uwex.edu/ContactUs.aspx>.

[Thanks are due to Dreux Watermolen of the Wisconsin DNR for this announcement.]



**Butterflies of Illinois: A Field Guide** by Michael R. Jeffords, Susan L. Post, and James R. Wiker (Illinois Natural History Survey Manual No. 14) is one of the finest regional field guides to come along.

Beginning with extensive background information and photos on butterfly life cycles, habitats, and ecology, it is an easy-to-use identification guide depicting upper and undersides of all butterfly species plus key characteristics for field identification. Additional detailed information on various species (collection records, rare sightings) is provided, along with descriptions of species that only rarely are seen in Illinois or may possibly occur.

It is available for \$20.00 from the Illinois Natural History Survey, and may be ordered online at <https://shop.inrs.illinois.edu/inhsm-man.html>.

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## Mystery Insects

By Marci Hess

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Two IDs have been made on previous postings! In the January 2016 Newsletter, a dipteran was posted as a mystery insect. The ID for this one was made by John F. Carr on BugGuide in October. This tachinid is *Dinera grisescens*, a female. This is the first one photographed and identified for the United States on BugGuide. I'm kicking myself for not collecting it but as I recall, there was only the opportunity for the one shot and she was gone. You can view the listing on this link:

<http://bugguide.net/node/view/1293751>.

In the June 2016 Newsletter, a Psocodea nymph was one of the mystery insects. It has been identified by Diane Young on BugGuide as *Xanthocaecilius sommermanae*, a lizard barklice in the Caeciliusidae family. While there are postings of adults photographed from Wisconsin, this is the first such nymph photographed from our state. You can view the listing on this link:

<http://bugguide.net/node/view/1315380#2282547>.

Here's a new one to identify -- a caddisfly larvae (Trichoptera). This was taken on 10 April 2014 at a small spring-fed stream near Blanchardville in Lafayette County.



If you're more interested in leafhoppers (Cicadellidae), then this one is intriguing. It was photographed on 04 July 2015 in Lafayette County. It came to the black light.



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## Diagnostic Lab Update: 2016's Big Trends

By P. J. Liesch

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It was another busy year around the UW Insect Diagnostic Lab in 2016. The caseload for last year (2,444 specimens) slightly beat out the record number of cases set in 2015. As in previous years, the majority of cases came from the general public (~ 50%), and most "samples" are digital images these days. Last year ~ 95% of the cases were from within Wisconsin, although images came in from 31 other states and 11 foreign countries.

Looking back at 2016, I'd have to choose mosquitoes as my insect of the year for a few reasons. With all of the rain seen in many parts of the state, mosquito pressure was extreme in many locations, and I remember being forced indoors on several occasions when trying to enjoy dinner on the

back deck. It was also nearly impossible to avoid hearing about mosquitoes with all of the Zika virus stories in the news. All of that dampness also made for an abundance of fungus gnat cases last fall. Dark winged fungus gnats (Family Sciaridae) were common in the landscape and in many cases were brought indoors with potted plants as the first frost approached.

Looking back at last year, several other insect stories stand out. Japanese beetles seem to have bounced back after the mild el Niño winter and the invasive brown marmorated stink bug had a second consecutive good year. For the first time, mating adult BMSBs (and juveniles) were spotted on plants, indicating that these insects are breeding in the state and will likely be around for the long haul.

Pollinators and pollinator conservation got a lot of press in the news and we recently saw our first bumble bee (the rusty patched bumble bee) placed onto the federal endangered species list (*I did have a photo of that species come in from the Pheasant Branch Conservancy in Middleton*). Based on reports, monarch butterflies generally seemed down last year, so I'll be curious to hear about the overwintering numbers when the next report comes out. Also on the "lep" front, I did see a surprising number of reports of giant silk moths last year from across the state.

When it comes to unexpected trends from last year, bot flies (*Cuterebra* sp.) had a great year, as reports continued from the summer and into the fall. Perhaps the biggest surprise was the boxelder bug situation. Typically these insects are held in check by an entomopathogenic fungus during rainy years. For whatever reason, disease pressure must have been low as the boxelder bug populations were surprisingly

high in many spots, much to the annoyance of homeowners.

Reliably, a few “new” species show up in the state each year. In 2016 we saw the two-banded Japanese weevil (a pest of landscape shrubs) show up in a backyard in Madison. Blueberry maggot (an agricultural pest) was detected in central Wisconsin for the first time, and will need to be monitored in the future. Lastly, the colorful and distinctly polka-dotted orb weaver, *Araneus iviei*, was photographed for the first time in the state in Pepin County.

With spring just around the corner I’m excited to see what’ll turn up at the diagnostic lab in 2017!

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### **Milwaukee Public Museum Bioblitz 2017: June 9<sup>th</sup> at 3 p.m. to June 10<sup>th</sup> at 3 p.m.**

The Milwaukee Public Museum has announced the dates of its 2017 Bioblitz, which will occur at the Fox River Park in the Town of Waukesha: June 9-10, starting at 3 p.m. on the first date and running exactly 24 hours. The Park’s 262 acres contain a variety of habitats, including riverine wetlands, ephemeral ponds, and wildlife scrapes. It also has a mature, mixed oak woodland. For more information about the bioblitz or to participate, contact Dr. Ellen J. Censky: [censky@mpm.edu](mailto:censky@mpm.edu).

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### **Beekeeping Classes in 2017**

One-day beginners classes will be offered on 18 February, 11 March, 8 April, and 6 May 2016, while a one-day second-step class is offered on 18 March 2017. The cost for any of these classes is \$50. Classes will be held at the Dane County UW Extension Building, 5201 Fen Oak Drive, Madison, WI 53718.

To register, or for further information/questions, contact Jeanne Hansen, 608-244-5094 or [jeanniealabeannie@yahoo.com](mailto:jeanniealabeannie@yahoo.com). You may also visit the UW-Extension website: <http://fyi.uwex.edu/danecountycommunitydevelopment/2016/12/01/learn-to-keep-bees-beekeeping-classes-2017/>.

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### **Iowa Day(s) of Insects: 24-25 March 2017**

M. J. Hatfield has announced the dates of this annual gathering of insect aficionados at Reiman Gardens, 1407 University Blvd., Ames, Iowa 50011 (associated with Iowa State University). The keynote address, on 24 March, will be presented by Bob Merz of the St. Louis Zoo, entitled “Undertaking Conservation: An Effort to Save the Endangered American Burying Beetle.” A full-page poster of the workshops and presentations appears elsewhere in this newsletter.

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### **Tropical Moth Spotted at UW Botany Garden**

On 18 October 2016, UW-Madison botany professor Edgar Spalding snapped a photo of a highly unusual white-tipped black moth that was nectaring on some blossoms at the UW Madison Botany Garden. He did not know at the time that his sighting of the moth, later identified as the snowbush spanworm, *Melanchroia chephise*, was the first recorded observation of this species in Wisconsin. Later confirmed by WES members Les Ferge and P. J. Liesch, the moth’s native range does not usually extend further north than Florida and the Texas coast. The moth was likely carried up from the south by air currents during some unusually warm weather. [Adapted from 10 Nov. 2016 press release by Terry Devitt.]

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**Contributors:** Timothy Anderson (TA), Steven C. Bransky (SCB), Leslie A. Ferge (LAF), Kyle E. Johnson (KEJ), Jordan D. Marche (JDM), Marcie O'Connor (MO), Joan F. Rickert (JFR), Scott & Ann Swengel (SAS), Richard J. Teper (RJT).

Following a relatively mild winter, the moth field season got an early start during the second week of March. However, below normal temperatures were experienced from late April through mid-May. A late spring frost occurred across much of the state on May 15. The summer's pattern of above average warmth and plentiful precipitation began in early June, with hot, humid and rainy conditions continuing throughout the season. Numbers of most butterflies were low again this season. The Swengels reported a low year for *Erynnis persius*, *E. martialis* and *Callophrys henrici* and the sixth straight low year for *Hesperia metea*. There were very few *Lycaena helloides* compared to 2014-15 and *Speyeria idalia* was below average in most sites. Most alarming is the absence of *Hesperia ottoe* and *Plebejus idas* in known sites. Les Ferge found moth numbers somewhat below average in June and July; but an alarming late season decline occurred again in 2016, the same pattern as observed over the past several years. A good number of stray and migrant species were found mainly as single individuals, including *Hemiargus Isola*, *Nathalis iole*, *Junonia coenia*, *Spoladea recurvalis*, *Cyclophora nanaria*, *Tathorhynchus exsiccatus*, *Anticarsia gemmatalis*, *Mocis texana*, *Ctenoplusia oxygramma*, *Chrysodeixis includens*, *Rachiplusia ou*, *Megalographa biloba*, *Amyna stricta* and *Magusa divaricata*. An individual of the Geometrid *Melanchroia chephise* was documented in Madison, a distant stray found far north of other reported out-of-range occurrences in southern states. The Swengels reported *Hylephila phyleus* having a high year late in the season and dozens of *Euptoieta claudia* in Portage and Adams Counties; and found *Danaus plexippus* below median and fewer than 2015.

New county records are indicated by county names in CAPITAL letters.

**HESPERIIDAE**

<i>Erynnis martialis</i> only 1 seen in the permanent non-fire refugium	Burnett	Crex Meadows (Reed Corner)	23-Jul-2016	SAS
<i>Erynnis lucilius</i>	Trempealeau	Perrot State Park	18-Jul-2016	KEJ
<i>Carterocephalus palaemon</i>	BUFFALO	3.5 mi. NE of Praag	2-Jun-2016	MO
<i>Hesperia comma laurentina</i>	Bayfield	SW part of County	24-Jul-2016	SAS
<i>Hesperia leonardus leonardus</i>	Portage	Buena Vista Wildlife Area	14-Aug-2016	SAS
<i>Hesperia metea</i> 2 seen, 6th straight low year, with our record lowest annual total of 4	Jackson	Bauer-Brockway Barrens	15-May-2016	22-May-2016 SAS
<i>Hesperia metea</i>	Marinette	Dunbar Barrens	20-May-2016	SAS

**PAPILIONIDAE**

<i>Papilio cressphontes</i>	Burnett	Crex Meadows (Reed Corner)	23-Jul-2016	SAS
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**PIERIDAE**

<i>Nathalis iole</i>	Bayfield		24-Jul-2016	SAS
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**LYCAENIDAE**

<i>Lycaena dorcas</i>	Iron	Du Page Lake Peatlands	1-Aug-2016	KEJ
<i>Lycaena dorcas</i>	MARQUETTE	Hugh Iltis Prairie: Hamel Bog	18-Jul-2016	KEJ
<i>Lycaena dorcas</i>	Vilas	Nixon Creek Peatlands	2-Aug-2016	KEJ
<i>Callophrys augustinus</i>	Marquette	Springfield Twp.	3-May-2016	SAS
<i>Callophrys irus</i>	Jackson	Jackson County Forest	15-May-2016	SAS
<i>Callophrys henrici</i>	SAWYER	Hay Stack Corner	9-May-2016	KEJ
<i>Hemiargus isola</i>	Trempealeau	Perrot State Park	18-Jul-2016	KEJ
<i>Plebejus saepiolus</i> 2 females and 2 males, oviposition on alsike clover	Douglas	Bear Creek Bog roadside	26-Jun-2016	SAS

**NYMPHALIDAE**

<i>Polygona satyrus</i>	Sawyer	Hay Stack Corner	9-May-2016	KEJ
<i>Junonia coenia</i>	Grant	LWRSWA (W of Muscoda)	21-Aug-2016	RJT
<i>Junonia coenia</i>	LINCOLN	New Wood Wildlife Area	29-Jul-2016	LAF
<i>Junonia coenia</i>	Milwaukee	Grant Park	10-Jun-2016	
<i>Boloria freija</i>	Ashland	Blueberry Road & Glidden Bogs	6-May-2016	8-May-2016 KEJ

<i>Boloria freija</i>	Sawyer	Hay Stack Corner Peatlands	9-May-2016	KEJ
<i>Chlosyne gorgone carlota</i>	Crawford	Rush Creek Prairie SNA	4-Jul-2016	SAS
<i>Chlosyne gorgone carlota</i>	Jackson	Buffalo River Trail Prairies	19-Jul-2016	KEJ
<i>Oeneis chryxus strigulosa</i>	Marinette	Dunbar Barrens	8-May-2016	20-May-2016 SAS
<i>Danaus plexippus</i>	Dane	Oregon (Lost Woods Ct.)	17-Oct-2016	JDM
<i>Danaus plexippus</i>	Milwaukee	Grant Park	10-Jun-2016	
<b>DREPANIDAE</b>				
<i>Eudeilinea herminiata</i>	DUNN	Dunnville Barrens	15-Jul-2016	KEJ
<b>GEOMETRIDAE</b>				
<i>Archiearis infans</i>	Bayfield	Moquah Barrens	15-Apr-2016	KEJ
<i>Archiearis infans</i>	CRAWFORD	Leightner Hollow Rd. & Hwy. 35	12-Mar-2016	LAF
<i>Archiearis infans</i>	GRANT	LWRSWA Blue River Unit	12-Mar-2016	LAF
<i>Archiearis infans</i>	TAYLOR	2.5 mi. W of Medford (Della Lane)	14-Apr-2016	JFR
<i>Archiearis infans</i>	VILAS	Helen Creek Rd. E of Big Lake	14-Apr-2016	LAF
<i>Leucobrephos brephoides</i>	Bayfield	Moquah Barrens	15-Apr-2016	KEJ
<i>Leucobrephos brephoides</i>	FOREST	Bay Shore Rd. 1 mi. S of Valley Rd.	15-Apr-2016	RJT
<i>Leucobrephos brephoides</i>	LINCOLN	New Wood Wildlife Area	28-Mar-2016	LAF
about 12 seen, temperature 47°F, no <i>Archiearis infans</i> here on this date				
<i>Speranza argillacearia</i>	Vilas	Nixon Creek Peatlands	2-Aug-2016	KEJ
<i>Digrammia eremiata</i>	DUNN	Dunnville Barrens	15-Jul-2016	KEJ
<i>Digrammia eremiata</i>	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016	KEJ
<i>Digrammia ordinata</i>	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016	KEJ
<i>Digrammia ocellinata</i>	MILWAUKEE	Grant Park	10-Jun-2016	LAF
<i>Melanchroia chephise</i>	DANE	UW Campus - Botany Garden	18-Oct-2016	
STATE RECORD, photo from Edgar Spalding, nectaring on Mexican butterfly weed				
<i>Paleacrita merricata</i>	CRAWFORD	Leightner Hollow Rd. & Hwy. 35	11-Mar-2016	LAF
<i>Paleacrita merricata</i>	Juneau	Buckhorn State Park - Campsite 33	14-Apr-2016	RJT
<i>Spodolepis substriataria</i>	IRON	Saxon Harbor	6-May-2016	KEJ
<i>Idaea dimidiata</i>	Door	Ephraim Wetlands Preserve	16-Jul-2016	RJT
<i>Cyclophora nanaria</i>	BUFFALO	3.5 mi. NE of Praag	24-Sep-2016	MO
<i>Perizoma basaliata</i>	IRON	Du Page Lake Peatlands	1-Aug-2016	KEJ
<i>Hydrelia lucata</i>	BUFFALO	3.5 mi. NE of Praag	25-May-2016	MO
<i>Operophtera bruceata</i>	Dane	Oregon (Lost Woods Ct.)	17-Nov-2016	JDM
<i>Eupithecia ravocostaliata</i>	GREEN	Albany Wildlife Area	6-May-2016	LAF
<i>Pasiphila rectangulata</i>	Milwaukee	Grant Park	10-Jun-2016	TA, RJT
<i>Pasiphila rectangulata</i>	TAYLOR	2.5 mi. W of Medford	24-Jun-2016	JFR
<b>URANIIDAE</b>				
<i>Calledapteryx dryopterata</i>	MILWAUKEE	Grant Park	10-Jun-2016	LAF
<b>NOTODONTIDAE</b>				
<i>Gluphisia lintneri</i>	Iron	Saxon Harbor	6-May-2016	KEJ
<i>Heterocampa subrotata</i>	TREMPEALEAU	Perrot State Park	31-Jul-2016	LAF
<b>EREBIDAE</b>				
<i>Crambidia casta</i>	GRANT	LWRSWA (W of Muscoda)	21-Aug-2016	RJT
<i>Crambidia casta</i>	IOWA	Elm St. 1.3 mi. E of Wisconsin Rd.	20-Aug-2016	RJT
<i>Hypoprepia miniata</i>	ADAMS	Big Flats Twp.	29-Jul-2016	LAF
<i>Pygarctia spraguei</i>	ADAMS	Big Flats Twp.	27-Jun-2016	LAF
<i>Macrochilo hypocriticalis</i>	ADAMS	Colburn Wildlife Area	27-Jun-2016	LAF
<i>Macrochilo litophora</i>	GREEN	Albany Wildlife Area	26-Jun-2016	LAF
<i>Macrochilo bivittata</i>	COLUMBIA	Pine Island Wildlife Area	4-Jul-2016	LAF
<i>Macrochilo bivittata</i>	GREEN	Albany Wildlife Area	26-Jun-2016	LAF

<i>Macrochilo bivittata</i>	SAUK	Pine Island Wildlife Area	4-Jul-2016	LAF
<i>Macrochilo louisiana</i>	GREEN	Albany Wildlife Area	26-Jun-2016	8-Sep-2016 LAF
<i>Macrochilo louisiana</i>	WINNEBAGO	Heckrodt Wetland Reserve	5-Aug-2016	KEJ
<i>Tetanolita mynesalis</i>	BUFFALO	3.5 mi. NE of Praag	15-Oct-2016	MO
<i>Melanomma auricinctaria</i>	WINNEBAGO	Heckrodt Wetland Reserve	5-Aug-2016	KEJ
<i>Hypenodes sombrus</i>	BAYFIELD	Bark Bay Slough SNA	28-Aug-2016	LAF
<i>Hypenodes franclemonti</i>	IRON	Du Page Lake Peatlands	1-Aug-2016	KEJ
<b>STATE RECORD</b>				
<i>Hypenodes franclemonti</i>	VILAS	Nixon Creek Peatlands	2-Aug-2016	KEJ
<i>Parahypenodes quadralis</i>	IRON	Du Page Lake Peatlands	1-Aug-2016	KEJ
<i>Hypena edictalis</i>	Trempealeau	Perrot State Park	31-Jul-2016	LAF
<i>Tathorhynchus exsiccatu</i>	BUFFALO	3.5 mi. NE of Praag	26-Sep-2016	MO
<i>Ledaea perditalis</i>	COLUMBIA	Pine Island Wildlife Area	3-Jun-2016	LAF
<i>Ledaea perditalis</i>	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016	KEJ
<i>Ledaea perditalis</i>	Trempealeau	Perrot State Park	31-Jul-2016	LAF
<i>Anticarsia gemmatalis</i>	BUFFALO	3.5 mi. NE of Praag	30-Sep-2016	MO
<i>Anticarsia gemmatalis</i>	Dane	Middleton	2-Nov-2016	LAF
<i>Anticarsia gemmatalis</i>	Rock	Avon Bottoms & Magnolia Bluff Pk.	24-Sep-2016	1-Nov-2016 LAF
<i>Mocis texana</i>	Trempealeau	Perrot State Park	29-Jul-2016	KEJ
<i>Celiptera frustulum</i>	Trempealeau	Perrot State Park	31-Jul-2016	LAF
<i>Catocala innubens</i>	Trempealeau	Perrot State Park	31-Jul-2016	LAF
<i>Catocala badia coelebs</i>	VILAS	Nixon Creek Peatlands	2-Aug-2016	KEJ
<i>Catocala insolabilis</i>	Trempealeau	Perrot State Park	29-Jul-2016	31-Jul-2016 KEJ, SCB
<i>Catocala nebulosa</i>	Trempealeau	Perrot State Park	31-Jul-2016	KEJ
<i>Catocala subnata</i>	Sauk	Pearl Rd 1.3 mi. N of Hwy 14	24-Jul-2016	RJT
<i>Catocala briseis</i>	SAUK	Pine Island Wildlife Area	4-Jul-2016	LAF
<i>Catocala meskel</i>	Winnebago	Heckrodt Wetland Reserve	5-Aug-2016	KEJ
<i>Catocala nuptialis</i>	Trempealeau	Perrot State Park	31-Jul-2016	LAF
<i>Catocala amestris</i>	Sauk	Pearl Rd 1.3 mi. N of Hwy 14	24-Jul-2016	RJT
<i>Catocala amestris</i>	Trempealeau	Perrot State Park	31-Jul-2016	LAF
<i>Catocala praeclara</i>	IRON	Du Page Lake Peatlands	1-Aug-2016	KEJ
<i>Catocala praeclara</i>	VILAS	Nixon Creek Peatlands	2-Aug-2016	KEJ
<b>NOCTUIDAE</b>				
<i>Abrostola ovalis</i>	Trempealeau	Perrot State Park	31-Jul-2016	LAF
<i>Ctenoplusia oxygramma</i>	RICHLAND	LWRSWA Lone Rock Unit	21-Aug-2016	RJT
<i>Chrysodeixis includens</i>	BUFFALO	3.5 mi. NE of Praag	4-Oct-2016	MO
<i>Chrysodeixis includens</i>	MANITOWOC	Two Rivers - Mariner Trail	17-Sep-2016	MR
<i>Chrysodeixis includens</i>	Rock	Magnolia Bluff County Park	24-Sep-2016	LAF
<i>Chrysodeixis includens</i>	SAUK	White Mound County Park	12-Sep-2016	RJT
<i>Chrysodeixis includens</i>	VILAS	Nixon Creek Peatlands	30-Sep-2016	KEJ
<i>Rachiplusia ou</i>	Bayfield	Clover Twp.	28-Aug-2016	LAF
<i>Chrysanympa formosa</i>	VILAS	Nixon Creek Peatlands	2-Aug-2016	SCB
<i>Megalographa biloba</i>	Milwaukee	Grant Park	10-Jun-2016	RJT
<i>Syngnapha viridisigma</i>	Vilas	Nixon Creek Peatlands	2-Aug-2016	KEJ
<i>Syngnapha microgamma</i>	Florence	Jacquet Lake Bog	6-Jul-2016	LAF
<i>Plusia magnimacula</i>	Bayfield	Clover Twp.	28-Aug-2016	LAF
<i>Marathyssa basalis</i>	ROCK	Magnolia Bluff County Park	6-May-2016	LAF
<i>Hyperstrotia secta</i>	Trempealeau	Perrot State Park	31-Jul-2016	LAF
<i>Amyna stricta</i>	BUFFALO	3.5 mi. NE of Praag	24-Sep-2016	MO
<i>Acronicta betulae</i>	COLUMBIA	Pine Island Wildlife Area	3-Jun-2016	LAF

<i>Acronicta betulae</i>	Trempealeau	Perrot State Park	31-Jul-2016	LAF
<i>Apamea nigrior</i>	SAUK	Pine Island Wildlife Area	4-Jul-2016	LAF
<i>Apamea cariosa</i>	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016	KEJ
<i>Apamea apamiformis</i>	ADAMS	Big Flats Twp.	29-Jul-2016	LAF
<i>Apamea apamiformis</i>	BUFFALO	3.5 mi. NE of Praag	7-Aug-2016	MO
<i>Apamea apamiformis</i>	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016	KEJ
<i>Apamea apamiformis</i>	Trempealeau	Perrot State Park	31-Jul-2016	LAF
<i>Melanapamea mixta</i>	Vilas	Nixon Creek Peatlands	2-Aug-2016	KEJ
<i>Apamea unanims</i>	MILWAUKEE	Grant Park	10-Jun-2016	RJT
<i>Resapamea stipata</i>	Buffalo	3.5 mi. NE of Praag	30-Jul-2016	LAF
<i>Eremobina claudens</i>	Iron	Du Page Lake Peatlands	1-Aug-2016	KEJ
<i>Eremobina claudens</i>	Vilas	Nixon Creek Peatlands	2-Aug-2016	KEJ
<i>Neoligia subjuncta</i>	COLUMBIA	Pine Island Wildlife Area	4-Jul-2016	LAF
<i>Neoligia subjuncta</i>	SAUK	Baraboo Hills (Hemlock Draw)	4-Jul-2016	LAF
<i>Oligia bridghami</i>	Vilas	Nixon Creek Peatlands	2-Aug-2016	SCB
<i>Meropleon diversicolor</i>	BAYFIELD	Clover Twp.	28-Aug-2016	LAF
<i>Meropleon diversicolor</i>	Grant	LWRSWA (W of Muscoda)	20-Aug-2016	RJT
<i>Meropleon ambifusca</i>	TREMPEALEAU	Perrot State Park	31-Jul-2016	LAF
<i>Lemmeria digitalis</i>	VILAS	Nixon Creek Peatlands	30-Sep-2016	KEJ
<i>Photedes panatela</i>	COLUMBIA	Pine Island Wildlife Area	3-Jun-2016	LAF
<i>Papaipema nepheleptena</i>	GREEN	Albany Wildlife Area	8-Sep-2016	LAF
<i>Papaipema nepheleptena</i>	Sauk	White Mound County Park	12-Sep-2016	RJT
<i>Papaipema marginidens</i>	Dane	Swamp Lover's Preserve	17-Sep-2016	KEJ
<i>Papaipema appassionata</i>	Bayfield	Clover Twp.	28-Aug-2016	LAF
<i>Papaipema silphii</i>	GREEN	Albany Wildlife Area	8-Sep-2016	LAF
<i>Papaipema maritima</i>	GREEN	Albany Wildlife Area	8-Sep-2016	LAF
<i>Papaipema maritima</i>	RICHLAND	LWRSWA Lone Rock Unit	21-Aug-2016	RJT
<i>Papaipema maritima</i>	Sauk	White Mound County Park	12-Sep-2016	RJT
<i>Papaipema eupatorii</i>	Marquette	Hwy. 51 Southbound Rest Area	24-Sep-2016	LAF
<i>Papaipema aweme</i>	BAYFIELD	Clover Twp.	28-Aug-2016	LAF
STATE RECORD, at UV light				
<i>Papaipema sciata</i>	BUFFALO	3.5 mi. NE of Praag	3-Oct-2016	MO
<i>Achatodes zeae</i>	IRON	Du Page Lake Peatlands	1-Aug-2016	KEJ
<i>Chytonix sensilis</i>	ADAMS	Big Flats Twp.	29-Jul-2016	LAF
<i>Magusa divaricata</i>	Rock	Magnolia Bluff County Park	8-Sep-2016	LAF
<i>Proxenus mendosa</i>	BUFFALO	3.5 mi. NE of Praag	27-May-2016	MO
<i>Xylena nupera</i>	BAYFIELD	Moquah Barrens	15-Apr-2016	KEJ
<i>Xylena nupera</i>	Forest	Armstrong Creek Bog (Wildlife Rd.)	15-Apr-2016	RJT
<i>Xylena nupera</i>	VILAS	Nixon Creek Peatlands	30-Sep-2016	KEJ
<i>Xylena thoracica</i>	Bayfield	Moquah Barrens	15-Apr-2016	KEJ
<i>Xylena thoracica</i>	Marinette	Parkway Road 6.1 mi. S of Hwy. 8	15-Apr-2016	RJT
<i>Xylena cineritia</i>	Bayfield	Moquah Barrens	15-Apr-2016	KEJ
<i>Xylena cineritia</i>	Marinette	Parkway Road 6.1 mi. S of Hwy. 8	15-Apr-2016	RJT
<i>Lithophane disposita</i>	JUNEAU	Buckhorn State Park - Campsite 33	14-Apr-2016	RJT
<i>Lithophane lanei</i>	BAYFIELD	Moquah Barrens	15-Apr-2016	KEJ
<i>Lithophane lanei</i>	FOREST	Armstrong Creek Bog (Wildlife Rd.)	15-Apr-2016	RJT
<i>Lithophane lanei</i>	JUNEAU	Buckhorn State Park - Campsite 33	14-Apr-2016	RJT
<i>Lithophane lanei</i>	MARINETTE	Parkway Road 6.1 mi. S of Hwy. 8	15-Apr-2016	RJT
<i>Lithophane lanei</i>	OUTAGAMIE	Mosquito Hill Nature Center	12-Mar-2016	KEJ
<i>Lithophane oriunda</i>	CRAWFORD	Leightner Hollow Rd. & Hwy. 35	11-Mar-2016	LAF

Lithophane oriunda	Outagamie	Mosquito Hill Nature Center	12-Mar-2016	1-Nov-2016	KEJ
Lithophane oriunda	Richland	LWRWSA Knapp Creek Unit	14-Mar-2016		LAF
Lithophane oriunda	SHAWANO	Navarino SWA	8-Mar-2016		KEJ
Lithophane querquera	COLUMBIA	Lost Lake	29-Mar-2016		SCB
Lithophane scottae	Richland	LWRWSA Knapp Creek Unit	14-Mar-2016		LAF
Lithophane scottae	Sauk	Baraboo Hills (Hemlock Draw)	13-Apr-2016		RJT
Lithophane thaxteri	Forest	Armstrong Creek Bog (Wildlife Rd.)	15-Apr-2016		RJT
Eupsilia sidus	BAYFIELD	Moquah Barrens	15-Apr-2016		KEJ
Eupsilia schweitzeri	Outagamie	Mosquito Hill Nature Center	12-Mar-2016	1-Nov-2016	KEJ
Eupsilia schweitzeri	Richland	LWRWSA Knapp Creek Unit	14-Mar-2016		LAF
Eupsilia schweitzeri	WINNEBAGO	Heckrodt Wetland Reserve	7-Mar-2016		KEJ
Eupsilia devia	Marinette	Parkway Road 6.1 mi. S of Hwy. 8	15-Apr-2016		RJT
Epiglaea decliva	Outagamie	Mosquito Hill Nature Center	1-Nov-2016		KEJ
Platypolia anceps	IRON	Frog Lake Pines & Peatlands	29-Sep-2016		KEJ
Feralia jocosa	IRON	Saxon Harbor	6-May-2016		KEJ
Feralia major	BAYFIELD	Moquah Barrens	15-Apr-2016		KEJ
Brachionycha borealis	BAYFIELD	Moquah Barrens	15-Apr-2016		KEJ
Brachionycha borealis	Juneau	Buckhorn State Park - Campsite 33	14-Apr-2016		RJT
Sympistis badistriga	FOREST	Jct. Hwys. 139 & Old 139	6-Jul-2016		LAF
Sympistis riparia	Adams	Big Flats Twp.	27-Jun-2016		LAF
Calophasia lunula	ADAMS	Barrens S of Beaver Rd.	27-Jun-2016		LAF
Cucullia asteroides	MILWAUKEE	Grant Park	10-Jun-2016		RJT
Trichordestra rugosa	FLORENCE	Jacquet Lake Bog	6-Jul-2016		LAF
Leucania lapidaria	MILWAUKEE	Grant Park	10-Jun-2016		RJT
Anhimella contrahens	DUNN	Dunnville Barrens	15-Jul-2016		KEJ
Agrotis stigmata	MILWAUKEE	Grant Park	10-Jun-2016		LAF
Euxoa niveilinea	Buffalo	3.5 mi. NE of Praag	4-Oct-2016		MO
Anicla tenuescens	ADAMS	Big Flats Twp.	29-Jul-2016		LAF
Actebia fennica	Bayfield	Clover Twp.	28-Aug-2016		LAF
Xestia praevia	Vilas	Nixon Creek Peatlands	2-Aug-2016		KEJ
Chloridea subflexa	Adams	Barrens S of Beaver Rd.	27-Jun-2016		LAF
Heliopsis acesias	DUNN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016		KEJ
Heliopsis acesias	MARQUETTE	Springfield Twp. (Hugh Iltis Prairie)	5-Aug-2016		MO
Schinia indiana	Jackson	Jackson County Forest	2-Jun-2016		SAS
Schinia thoreau	Trempealeau	Perrot State Park	31-Jul-2016		KEJ, LAF
Schinia grandimedia	Trempealeau	Perrot State Park	29-Jul-2016		KEJ
Schinia lucens	Crawford	Rush Creek Prairie SNA	4-Jul-2016		SAS
Schinia lucens	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016		KEJ
Schinia nundina	Richland	LWRWSA Lone Rock Unit	21-Aug-2016		RJT
<b>ACROLOPHIDAE</b>					
Acrolophus morus	BROWN	De Pere	24-Sep-2016		KEJ
<b>ATTEVIDAE</b>					
Atteva aurea	Milwaukee	Grant Park	10-Jun-2016		RJT
<b>CARPOSINIDAE</b>					
Bondia crescentella	IRON	Swanson Creek	8-May-2016		KEJ
Bondia crescentella	IRON	Saxon Harbor	6-May-2016		KEJ
<b>COSMOPTERIGIDAE</b>					
Stagmatophora wyattella	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016		KEJ
<b>CRAMBIDAE</b>					
Catoptria latiradiellus	Vilas	Nixon Creek Peatlands	2-Aug-2016		KEJ



<i>Crambus lyonsellus</i>	VILAS	Nixon Creek Peatlands	2-Aug-2016	KEJ
<i>Crambus unistriatellus</i>	IRON	Du Page Lake Peatlands	1-Aug-2016	KEJ
<i>Desmia funeralis</i>	Milwaukee	Grant Park	10-Jun-2016	RJT
<i>Diacme elealis</i>	SAUK	White Mound Park	12-Sep-2016	RJT
<i>Diaphania hyalinata</i>	Dane	Oregon (Lost Woods Ct.)	6-Oct-2016	JDM
<i>Diastictis ventralis</i>	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016	KEJ
<i>Diathrausta reconditalis</i>	Iowa	Elm St. 1.3 mi. E of Wisconsin Rd.	20-Aug-2016	RJT
<i>Diathrausta reconditalis</i>	Richland	LWRWSA Lone Rock Unit	21-Aug-2016	RJT
<i>Diathrausta reconditalis</i>	Sauk	Pearl Rd 1.3 mi. N of Hwy 14	21-Aug-2016	RJT
<i>Elophila gyralis</i>	Grant	LWRWSA (W of Muscoda)	24-Jul-2016	RJT
<i>Eudonia strigalis</i>	Vilas	Nixon Creek Peatlands	2-Aug-2016	KEJ
<i>Eudonia strigalis</i>	WINNEBAGO	Heckrodt Wetland Reserve	5-Aug-2016	KEJ
<i>Evergestis pallidata</i>	MILWAUKEE	Grant Park	10-Jun-2016	RJT
<i>Evergestis pallidata</i>	Winnebago	Heckrodt Wetland Reserve	5-Aug-2016	KEJ
<i>Herpetogramma pertextalis</i>	Door	Ephraim Wetland Preserve	16-Jul-2016	RJT
<i>Loxostegopsis merrickalis</i>	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016	KEJ
<i>Nomophila nearctica</i>	Milwaukee	Grant Park	10-Jun-2016	RJT
<i>Nomophila nearctica</i>	Richland	LWRWSA Lone Rock Unit	21-Aug-2016	RJT
<i>Parapediasia teterrella</i>	Winnebago	Heckrodt Wetland Reserve	5-Aug-2016	KEJ
<i>Parapoynx badiusalis</i>	Richland	LWRWSA Lone Rock Unit	21-Aug-2016	RJT
<i>Perispasta caeculalis</i>	Milwaukee	Grant Park	10-Jun-2016	RJT
<i>Pyrausta bicoloralis</i>	Richland	LWRWSA Lone Rock Unit	21-Aug-2016	RJT
<i>Pyrausta bicoloralis</i>	Sauk	White Mound Park	12-Sep-2016	RJT
<i>Spoladea recurvalis</i>	Rock	Avon Bottoms WA	1-Nov-2016	LAF
<i>Spoladea recurvalis</i>	Taylor	Medford	20-Sep-2016	JFR
<i>Stegea eripalis</i>	DUNN	Dunnville Barrens	15-Jul-2016	KEJ
<i>Thaumatopsis pectinifer</i>	Grant	LWRWSA (W of Muscoda)	21-Aug-2016	RJT
<i>Urola nivalis</i>	Door	Ephraim Wetland Preserve	16-Jul-2016	RJT
<i>Urola nivalis</i>	Grant	LWRWSA (W of Muscoda)	21-Aug-2016	RJT
<i>Urola nivalis</i>	Richland	LWRWSA Lone Rock Unit	21-Aug-2016	RJT
<b>DEPRESSARIDAE</b>				
<i>Antaeotricha schlaegeri</i>	Milwaukee	Grant Park	10-Jun-2016	RJT
<i>Ethmia zelleriella</i>	MILWAUKEE	Grant Park	10-Jun-2016	RJT
<i>Machimia tentoriferella</i>	Sauk	White Mound Park	12-Sep-2016	RJT
<i>Semioscopis inornata</i>	JUNEAU	Buckhorn State Park - Campsite 33	14-Apr-2016	RJT
<i>Semioscopis inornata</i>	Marinette	Parkway Road 6.1 mi. S of Hwy. 8	15-Apr-2016	RJT
<i>Semioscopis inornata</i>	OCONTO	Twin Pine Rd. and Old Rt. 64	29-Apr-2016	RJT
<i>Semioscopis inornata</i>	Sauk	Baraboo Hills (Hemlock Draw)	13-Apr-2016	RJT
<i>Semioscopis packardella</i>	OCONTO	Twin Pine Rd. and Old Rt. 64	29-Apr-2016	RJT
<b>ELACHISTIDAE</b>				
<i>Agonopterix alstroemeriana</i>	WINNEBAGO	Heckrodt Wetland Reserve	7-Mar-2016	KEJ
<i>Agonopterix curvilineella</i>	Outagamie	Mosquito Hill Nature Center	1-Jan-2016	KEJ
<i>Agonopterix paulae</i>	Dane	Swamp Lover's Preserve	17-Sep-2016	KEJ
<i>Depressariodes ciniflonella</i>	BAYFIELD	Moquah Barrens	15-Apr-2016	KEJ
<b>GELECHIIDAE</b>				
<i>Coleotechnites atrupictella</i>	IRON	Du Page Lake Peatlands	1-Aug-2016	KEJ
<i>Coleotechnites atrupictella</i>	VILAS	Nixon Creek Peatlands	2-Aug-2016	KEJ
<i>Coleotechnites quercivorella</i>	BAYFIELD	Moquah Barrens	15-Apr-2016	KEJ
<i>Deltophora sella</i>	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016	KEJ
<i>Dichomeris georgiella</i>	OUTAGAMIE	Mosquito Hill Nature Center	1-Jan-2016	KEJ

<i>Dichomeris vindex</i>	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016	KEJ
<b>GRACILLARIDAE</b>				
<i>Acrocercops albinatella</i>	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016	KEJ
<i>Caloptilia coroniella</i>	IRON	Du Page Lake Peatlands	29-Sep-2016	KEJ
<i>Caloptilia fraxinella</i>	OUTAGAMIE	Mosquito Hill Nature Center	1-Jan-2016	KEJ
<i>Caloptilia hypericella</i>	WINNEBAGO	Heckrodt Wetland Reserve	5-Aug-2016	KEJ
<i>Caloptilia strictella</i>	Sawyer	Swanson Creek	8-May-2016	KEJ
<i>Caloptilia vacciniella</i>	IRON	Du Page Lake Peatlands	1-Aug-2016	KEJ
<i>Cameraria bethunella</i>	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016	KEJ
<i>Macrosaccus morrisella</i>	Outagamie	Mosquito Hill Nature Center	1-Jan-2016	KEJ
<i>Micrurapteryx salicifoliella</i>	VILAS	Nixon Creek Peatlands	30-Sep-2016	KEJ
<i>Phyllocnistis vitifoliella</i>	Outagamie	Mosquito Hill Nature Center	1-Jan-2016	KEJ
<b>LIMACODIDAE</b>				
<i>Tortricidia testacea</i>	Milwaukee	Grant Park	10-Jun-2016	RJT
<b>OECOPHORIDAE</b>				
<i>Epicallima argenticinctella</i>	Door	Ephraim Wetland Preserve	16-Jul-2016	RJT
<b>PYRALIDAE</b>				
<i>Atascosa glareosella</i>	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016	KEJ
<i>Hypsopygia costalis</i>	Sauk	White Mound Park	12-Sep-2016	RJT
<i>Peoria tetradella</i>	DUNN	Dunnville Barrens	15-Jul-2016	KEJ
<i>Pseudasopia intermedialis</i>	Winnebago	Heckrodt Wetland Reserve	5-Aug-2016	KEJ
<i>Sciota virgatella</i>	WINNEBAGO	Heckrodt Wetland Reserve	5-Aug-2016	KEJ
<b>SESIIDAE</b>				
<i>Synanthedon acerni</i>	MILWAUKEE	Grant Park	10-Jun-2016	RJT
<b>TINEIDAE</b>				
<i>Nemapogon tylodes</i>	IRON	Du Page Lake Peatlands	1-Aug-2016	KEJ
<i>Xylesthia pruniramiella</i>	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016	KEJ
<b>TORTRICIDAE</b>				
<i>Acleris celiana</i>	Shawano	Navarino SWA	8-Mar-2016	KEJ
<i>Acleris macdunnoughi</i>	IRON	Frog Lake Pines & Peatlands	29-Sep-2016	KEJ
<i>Acleris maximana</i>	BAYFIELD	Moquah Barrens	15-Apr-2016	KEJ
<i>Acleris maximana</i>	ONEIDA	Rainbow Wetlands	28-Sep-2016	KEJ
<i>Acleris minuta</i>	BAYFIELD	Moquah Barrens	15-Apr-2016	KEJ
<i>Acleris negundana</i>	WINNEBAGO	Heckrodt Wetland Reserve	7-Mar-2016	17-Nov-2016 KEJ
<i>Acleris simpliciana</i>	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016	KEJ
<i>Aethes spartinana</i>	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016	KEJ
<i>Ancylys comptana</i>	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016	KEJ
<i>Cenopis reticulatana</i>	Door	Ephraim Wetland Preserve	16-Jul-2016	RJT
<i>Choristoneura zapulata</i>	Vilas	Nixon Creek Peatlands	2-Aug-2016	KEJ
<i>Clepsia melaleucanus</i>	Milwaukee	Grant Park	10-Jun-2016	RJT
<i>Clepsia persicana</i>	Door	Ephraim Wetland Preserve	16-Jul-2016	RJT
<i>Cochylis arthuri</i>	DUNN	Dunnville Barrens	15-Jul-2016	KEJ
<i>Cydia latiferreana</i>	Richland	LWRSWA Lone Rock Unit	21-Aug-2016	RJT
<i>Epiblema glenni</i>	Winnebago	Heckrodt Wetland Reserve	5-Aug-2016	KEJ
<i>Epinotia lindana</i>	Sauk	White Mound Park	12-Sep-2016	RJT
<i>Epinotia radicana</i>	Vilas	Nixon Creek Peatlands	30-Sep-2016	KEJ
<i>Eucosma pallidicostana</i>	PEPIN	Lwr. Chippewa R. Prairie/Savannah	16-Jul-2016	KEJ
<i>Eucosma tomonana</i>	Iowa	Elm St. 1.3 mi. E of Wisconsin Rd.	20-Aug-2016	RJT
<i>Eucosma tomonana</i>	Richland	Lone Rock Lower WI State Riverway	21-Aug-2016	RJT
<i>Eucosma tomonana</i>	Sauk	Pearl Rd 1.3 mi. N of Hwy 14	21-Aug-2016	RJT

<i>Lozotaenia costinotana</i>	IRON	Du Page Lake Peatlands	1-Aug-2016	KEJ
<i>Lozotaenia costinotana</i>	Vilas	Nixon Creek Peatlands	2-Aug-2016	KEJ
<i>Pandemis limitata</i>	Richland	LWRSWA Lone Rock Unit	21-Aug-2016	RJT
<i>Pelochrista albiguttana</i>	DUNN	Dunnville Barrens	15-Jul-2016	KEJ
<i>Pelochrista dorsisignata</i>	Sauk	White Mound Park	12-Sep-2016	RJT
<i>Phalonidia lepidana</i>	Vilas	Nixon Creek Peatlands	2-Aug-2016	KEJ
<i>Pseudexentera oregonana</i>	IRON	Saxon Harbor	6-May-2016	KEJ
<i>Pseudexentera vaccinii</i>	BAYFIELD	Moquah Barrens	15-Apr-2016	KEJ
<i>Rhyacionia busckana</i>	BAYFIELD	Moquah Barrens	15-Apr-2016	KEJ
<i>Sparganothis sulfureana</i>	Sauk	Spring Green Preserve	21-Aug-2016	RJT
<i>Sparganothis tristriata</i>	DUNN	Dunnville Barrens	15-Jul-2016	KEJ
<b>YPONOMEUTIDAE</b>				
<i>Argyresthia goedartella</i>	IRON	Du Page Lake Peatlands	1-Aug-2016	KEJ
<b>YPSOLOPHIDAE</b>				
<i>Ypsolopha canariella</i>	IRON	Du Page Lake Peatlands	1-Aug-2016	KEJ
<i>Ypsolopha falciferella</i>	BAYFIELD	Moquah Barrens	15-Apr-2016	KEJ
<i>Ypsolopha falciferella</i>	OUTAGAMIE	Mosquito Hill Nature Center	12-Mar-2016	KEJ
<i>Ypsolopha falciferella</i>	SHAWANO	Navarino SWA	8-Mar-2016	KEJ

## **Wisconsin Entomological Society 2017 Summer Gathering**

Saturday, June 17 @ Navarino State  
Wildlife Area, Shawano County.

Join us for a day (and night) of insect exploration and good company in the wilds of Navarino State Wildlife Area, located in Shawano County about 40 minutes north of Appleton. The area features a wide range of habitats from dry oak-pine woodlands and sand blows to extensive wetlands, and in mid-June we would expect a wealth of interesting insects and other wildlife. We will set up UV/MV lights and baits on Saturday night, and those interesting in camping may do so on site (let Kyle know as he will handle the special use permit). The nearest motels are located in Clintonville, Shawano, and New London.

We will initially meet at 9 a.m. in one of the parking areas on County Highway K, 1.6 miles north of the junction with Highway WI-156 (44.65679 °N, 88.58124 °W) and reconvene in the area late evening to set up for blacklighting. We will order pizza and wings for pick-up and bring to the site for lunch/dinner.

We may blacklight on Friday night as well, and have Sunday as an alternate day in case of poor weather. More details to follow as the event gets closer, but be sure to mark your calendars now!

