



The Antenna

News and Information from the Illinois Butterfly Monitoring Network

Species Profiles on IBMN Website

One of the most frequent requests we get for information is for profiles on similar species outlining how to tell them apart. We have done several species profiles in previous issues of The Antenna. All these issues are still available on the website in pdf format. (If you do not have internet access at home, your local library can help you print these off of their computers.) We also have two training handouts on the website that go through the markings on 25 to 30 species each handout.

The list of Species Profiles is as follows:

- Five Hairstreaks - Fall 1999
- Fritillaries - Summer 2000
- Satyrs - Fall 2000
- White and Sulphurs - Summer 2003
- Ladies and Red Admiral - Summer 2005.

If you have another group of species that you would like to see a species profile on in future newsletters, contact Mel Manner. (See Contacts in right-hand column.)

Arctic Butterflies: Yes, they do exist!

A co-worker passed a newsletter along to monitor Rick Manner with an interesting article about a professor doing research on butterflies in the Arctic. For some reason, there hasn't been a lot of butterfly exploration in that area of the world! Rick's wife and IBMN Administrator Mel Manner found it very interesting that a number of Arctic butterflies are actually biennial, appearing as adults only in odd- or even-numbered years. This is because the Arctic summer is so short and intense that they do not have time to complete a full life cycle in one year like most butterflies. Therefore researchers must spend at least two years there to be sure to find the species.

Mel, not being a butterfly or insect expert, had previously thought that the term "biennial" only applied to plants.

The professor doing the work is Dr. Ron Royer, and the article entitled "Dr. Ron Royer Returns from the Arctic" appeared on the cover of Minot State University's newsletter "Science Division News", issue Fall 2005.

Newsletter Contributions:

We are always looking for informative or amusing stories to put into The Antenna. If you have anything to share, please send it to Mel Manner. (See Contacts in right-hand column.)

Vol. 7, Is. 2, Winter 2006

Inside this issue:

Species Profiles Info	1
Arctic Butterflies facts	1
Workshops	2
2005 Summary Reports	3-6
Network News	7
Edens Lost & Found	8

**Annual Indoor
Workshop
March 4th, 2006**

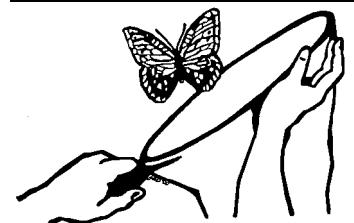
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March Indoor Workshop 2006

The 16th annual workshop is on March 4th at the Gail Borden Public Library in Elgin. This is the main meeting of the year for the IBMN, so it's the best time to meet with your fellow monitors and get a feel for what the network is all about. As usual, we have an exciting keynote speech, several IBMN awards to give out, breakout training sessions, and plenty of time for talking with each other and asking questions. We will provide donuts and drinks, and vending machines are available, but please bring a sack lunch.

IBMN Director Doug Taron has been working on an exciting project using IBMN data. He will present "The Monarch Migration: Patterns of Abundance in Illinois, Ohio and Mexico" as the keynote address.

The IBMN protocol is ideal for detecting long-term changes in butterfly population sizes. Over the years, we have observed large annual variance in the size of the Monarch population. These changes show interesting correlations with both the observed population size in Ohio and the wintering population size in Mexico. These correlations serve to validate the data that are being collected in both Illinois and Ohio. They also suggest that the annual size of the monarch population is much more dependent on breeding success in the north than it is on survival over the winter in Mexico.

We will have two breakout sessions and a question and answer session in the afternoon. The topics have not yet been chosen. (See Workshop Help, pg. 7).

Registration is Required! To register, call Mel Manner at 847-464-4426 or e-mail her at ibmn@sbcglobal.net.

Directions: The Gail Borden Public Library is located at 270 North Grove Avenue in downtown Elgin at the northwest corner of Grove and Kimball. Take either I-90 (from the north) or Route 20 (from the south) to Route 31. It runs along the west side of the Fox River. Take Route 31 into downtown Elgin to Kimball Ave. Turn east and cross the river. Turn left at the first stop light, then left again to enter the library parking lot. Park on the north side of the building, not in front. Walk around to the east side main entrance. Bear left as you enter to find the meeting rooms.

11th Annual IBMN Workshop Agenda

9:30	Sign-in
10:00	Opening Announcements and Awards
10:45	Keynote - Doug Taron, The Monarch Migration: Patterns of Abundance in Illinois, Ohio and Mexico
11:45	Lunch Break - Bring a sack lunch!
12:45	Breakout Sessions
1:45	Question and Answer with Doug and Mel
2:30	Wrap-up

Regional Training Workshops: Register with Mel Manner at 847-464-4426 or ibmn@sbcglobal.net.

Beginner's Training Workshop - Strongly recommended for **new monitors**. This workshop is being presented three times this year. You only need to attend one of the sessions. Each session is the same.

The workshop is broken into two parts. Part One is an orientation covering all the details on how to monitor. Part Two teaches how to look at butterflies for identification and goes over the markings of 25 common species. The entire workshop, covering both parts, will run 2 to 2 1/2 hours.

Session dates and locations will be announced at the March Indoor Workshop, posted on the website by March 4th, and sent out to each monitor.

Intermediate's Training Workshop - Recommended for monitors with some identification experience.

The workshop is broken into two parts. Part One is "Improving your Data" and data entry methods. Part Two is the identification marks of 32 species of butterflies. Several Beginner's Checklist species were used as springboards to groups of related species. Some species of swallowtails, sulphurs, coppers, hairstreaks, checkerspots, fritillaries, and skippers will be covered. The workshop, covering both parts, will run 2 1/2 to 3 hours.

Only Session in 2006 - date and location will be announced at the March Indoor Workshop, posted on the website by March 4th, and sent out to each monitor.

Species Summary Report 2005

Species	# of Sites	High Count Sites	High Count	Date Seen
Acadian Hairstreak	3	Gensburg-Markham Prairie	118	6/29/2005
American Copper	4	Cedar Glen	2	8/20/2005
American Painted Lady	40	Theodore Stone Woods	13	8/24/2005
Aphrodite	5	Gensburg-Markham Prairie	40	7/2/2005
Appalachian Brown	7	Ivanhoe Preserve	15	7/5/2005
Baltimore Checkerspot	8	Boone Creek Fen	140	7/3/2005
Banded Hairstreak	18	Heller Nature Center	5	7/7/2005
Baptesia Duskywing	12	Waterfall Glen	30	7/2/2005
Black Dash	14	Bluff Spring Fen	14	7/9/2005
Black Swallowtail	87	Midewin D	40	7/22/2005
Broadwinged Skipper	4	Mary McDonald Woods	18	7/20/2005
Broken Dash	8	Somme Prairie Grove	4	7/10/2005
Bronze Copper	14	Dan McMahon	4	6/19/2005
Buckeye	16	Fults Hill Prairie	79	9/13/2005
Byssus Skipper	2	Fults Hill Prairie	5	6/18/2005
Cabbage White	134	Waubensee Community College	394	8/5/2005
Checkered Skipper	2	Fults Hill Prairie	7	9/13/2005
Checkered White	5	Springbrook Fen	7	7/3/2005
Cloudless Sulphur	11	Fults Hill Prairie	26	9/13/2005
Comma	22	Cedar Glen	6	10/1/2005
Common/Orange Sulphur	121	Midewin D	96	7/17/2005
Common Sootywing	8	Fults Hill Prairie	3	8/21/2005
Common Wood Nymph	84	Poplar Creek	97	7/8/2005
Coral Hairstreak	19	Main Street Prairie	5	7/9/2005
Crossline Skipper	5	Fults Hill Prairie	4	5/28/2005
Delaware Skipper	17	Meacham Grove	17	6/12/2005
Dion Skipper	12	Nelson Lake Marsh	33	7/2/2005
Dogface	3	Fults Hill Prairie	40	9/6/2005
Dun Skipper	10	Cap Sauers	2	6/12/2005
Dusted Skipper	3	DuPont Natural Area	2	6/17/2005
Dwarf Sulphur	1	Cedar Glen	2	7/23/2005
Eastern Tailed Blue	94	Lake of the Woods	160	7/16/2005
Edwards Hairstreak	3	Illinois Beach B	2	7/16/2005
European Skipper	35	Warrenville Grove	37	6/20/2005
Eyed Brown	45	Bluff Spring Fen	49	7/2/2005
Falcate Orangetip	1	Fults Hill Prairie	17	4/17/2005
Fiery Skipper	10	Harper College	2	9/13/2005
Giant Swallowtail	15	Cedar Glen	6	8/20/2005
Goatweed Butterfly	1	Fults Hill Prairie	2	4/17/2005
Gorgone Checkerspot	1	Fults Hill Prairie	12	4/17/2005
Gray Comma	2	Braidwood	1	8/5/2005
Gray Hairstreak	5	Fults Hill Prairie	42	9/6/2005

Species Summary Report 2005 cont.

Species	# of Sites	High Count Sites	High Count	Date Seen
Great Gray Copper	1	Lincoln Prairie	1	6/22/2005
Great Spangled Fritillary	97	West Chicago Prairie	69	6/23/2005
Hackberry Butterfly	10	Cedar Glen	17	8/20/2005
Harvester	1	Fults Hill Prairie	1	9/6/2005
Hayhurst's Scallopwing	1	Orland Grasslands	1	6/30/2005
Henry's Elfin	3	Fults Hill Prairie	12	4/3/2005
Hoary Edge	1	Fults Hill Prairie	7	5/28/2006
Hoary Elfin	2	Illinois Beach A	18	5/5/2005
Hobomok Skipper	18	Cap Sauers	7	6/12/2005
Horace's Duskywing	5	Orland Grasslands	3	6/22/2005
Juvenal's Duskywing	6	Fults Hill Prairie	25	4/3/2005
Least Skipper	45	Meacham Grove	52	6/19/2005
Leonard's Skipper	1	Bergman Slough	3	9/3/2005
Little Glassywing	7	Lake of the Woods	4	6/20/2005
Little Wood Satyr	76	Meacham Grove	113	6/12/2005
Little Yellow	7	Fults Hill Prairie	40	9/6/2005
Long Dash	6	Cotton Creek Marsh	5	6/13/2005
Meadow Fritillary	14	Mitchell's Grove	18	6/16/2005
Milbert's Tortoiseshell	2	Boone Creek Fen	3	6/21/2005
Monarch	135	Songbird Slough	219	9/10/2005
Mottled Duskywing	1	Thorsen Prairie	1	7/9/2005
Mourning Cloak	35	Hannaford Forest Preserve	4	6/30/2005
Mulberrywing	3	Boone Creek Fen	14	7/10/2005
Northern Cloudywing	7	Forest Park	14	8/12/2005
Olympia Marblewing	2	Illinois Beach A	26	5/5/2005
Painted Lady	52	Meadowbrook Park	296	8/12/2005
Pearl Crescent	111	Cedar Glen	62	8/20/2005
Pearly Eye	26	Cap Sauers	15	7/1/2005
Peck's Skipper	51	Wayside Woods Prairie	13	8/17/2005
Pipevine Swallowtail	8	Fults Hill Prairie	21	9/13/2005
Purplish Copper	1	Burlington Prairie	71	7/30/2005
Question Mark	38	Riverside Park	4	7/8/2005
Red Admiral	72	Cedar Glen	13	4/15/2005
Red-Spotted Purple	54	Fults Hill Prairie	10	9/6/2005
Regal Fritillary	3	Hafner Meadow	2	8/4/2005
Roadside Skipper	3	Fults Hill Prairie	1	4/17/2005
Sachem	2	Fults Hill Prairie	3	8/21/2005
Silver-Bordered Fritillary	6	Iroquois Prairie	5	7/25/2005
Silver Spotted Skipper	60	Fults Hill Prairie	66	9/13/2005
Silvery Checkerspot	14	Fults Hill Prairie	8	5/28/2005
Sleepy Duskywing	2	Fults Hill Prairie	4	4/3/2005
Snout Butterfly	3	Fults Hill Prairie	2	7/2/2005
Southern Cloudywing	4	DuPont Natural Area	2	6/17/2005

Species Summary Report 2005 cont.

Species	# of Sites	High Count Sites	High Count	Date Seen
Spicebush Swallowtail	9	Fults Hill Prairie	19	8/8/2005
Spring Azure	122	Marl Flat Forest Preserve	67	7/19/2005
Striped Hairstreak	1	Warrenville Grove	1	7/1/2005
Tawny Edge	21	Deer Grove	7	6/19/2005
Tawny Emperor	4	Cedar Glen	3	6/11/2005
Tiger Swallowtail	120	Mitchell's Grove	18	7/27/2005
Two Spot Skipper	1	Gensburg-Markham Prairie	16	6/26/2005
Variegated Fritillary	3	Cedar Glen	2	7/23/2005
Viceroy	55	Burlington Prairie	15	7/30/2005
White-M Hairstreak	1	Fults Hill Prairie	1	4/3/2005
Zabulon Skipper	2	Forest Park	2	8/21/2005
Zebra Swallowtail	2	Fults Hill Prairie	22	4/3/2005
Total Number of Species Reported in 2005: 97				

Site Summary Report 2005

Site Name	# of Visits	# of Species	# of Hi Counts	Site Name	# of Visits	# of Species	# of Hi Counts
Bartel Grasslands	3	19	0	Danada Forest Preserve	3	4	0
Belmont Prairie	6	30	0	Deer Grove	7	19	1
Belmont Prairie B	6	10	0	Deer Wood Farm	8	13	0
Bennett Meadows	5	12	0	Dropseed Prairie	6	6	0
Bergman Slough	7	21	1	DuPont Natural Area	8	29	2
Bliss Woods	11	25	0	Everett Farm	6	10	0
Bluff Spring Fen	7	29	2	Exner Marsh	7	11	0
Boger Fen	6	17	0	Fel-Pro	6	11	0
Boone Creek Fen	6	27	3	Fermilab A	5	14	0
Braidwood	6	21	1	Fermilab B	5	15	0
Brookfield Prairie	6	5	0	Ferson Creek Fen	5	16	0
Buffalo Creek East	6	15	0	Flora Prairie	6	10	0
Buffalo Creek West	12	19	0	Florsheim Park	4	10	0
Bunker Hill Prairie	6	13	0	Forest Park	11	24	2
Burlington Prairie	6	19	2	Fox Ridge State Park	5	14	0
Burnidge Forest Preserve	6	6	0	Freeman Kame	7	21	0
Camp Sagawau	6	11	0	Fults Hill Prairie	15	67	27
Campton Hills Park	5	13	0	Gensburg-Markham Prairie	5	23	3
Cap Sauers	8	28	3	Gladstone Fen	7	17	0
Cedar Glen	12	35	9	Glenview Prairie	4	9	0
Chain O' Lakes SP	6	17	0	Grant Woods	10	22	0
Cherry Hill Woods	11	11	0	Green River	6	26	0
Chicago Botanic Gardens	13	10	0	Green Valley Forest Preserve	6	13	0
Chipilly Woods	6	7	0	Greenbelt Forest Preserve	5	14	0
Churchill Prairie	7	17	0	Hafner Meadow	4	10	1
Cotton Creek Marsh	12	37	1	Half Day Woods	6	8	0
Cuba Marsh	9	17	0	Hannaford Forest Preserve	6	12	1
Dan McMahan	6	29	1	Harper College	11	19	1

Site Summary Report 2005

Site Name	# of Visits	# of Species	# of Hi Counts	Site Name	# of Visits	# of Species	# of Hi Counts
Harvard Savanna	6	18	0	Rollins Savanna	6	16	0
Heller Nature Center	9	19	1	Romeoville Prairie	5	12	0
Hickory Creek Barrens	7	25	0	Ryerson Conservation area	6	8	0
Hidden Pond	7	16	0	Ryerson Woods B	6	7	0
Highmoor/Hybernia	7	10	0	Salt Creek Woods	5	10	0
Horlock Hill	6	13	0	Sauganash Prairie	8	12	0
Illinois Beach A	1	5	2	Shabbona Lake SP	4	14	0
Illinois Beach B	5	13	1	Shaw Prairie	5	15	0
Illinois Beach D	1	6	0	Silver Creek	4	17	0
Irons Oaks	5	8	0	Skokie River Nat. Preserve	2	6	0
Iroquois Prairie	6	27	2	Somme Nature Preserve	6	14	0
Ivanhoe Preserve	8	25	1	Somme Prairie Grove	7	24	1
Lake in the Hills Fen	7	25	0	Songbird Slough	10	16	1
Lake in the Hills Fen B	6	14	0	Spears Woods	6	18	0
Lake of the Woods	6	23	2	Spring Bluff FP	6	17	0
Lincoln Prairie	5	15	1	Spring Brook Nature Center	6	15	0
Lyman Woods	7	11	1	Spring Creek	8	15	0
Main Street Prairie	5	14	1	Spring Grove Fen	6	20	0
Marl Flat Forest Preserve	6	20	1	Spring Valley	7	16	0
Mary McDonald Woods	8	14	1	Spring Valley B	5	12	0
Matthiessen State Park	9	21	0	Springbrook Fen	6	12	1
Meacham Grove	6	27	3	Springbrook Prairie	7	12	0
Meadowbrook Park	4	14	1	Sterne's Fen	2	3	0
Mellody Farms	4	15	0	Stickney Run	6	23	0
Middlefork Farm	5	15	0	Sundrop Prairie	6	14	0
Middlefork Savanna	11	12	0	The Grove	6	10	0
Midewin D	6	21	2	Theodore Stone Woods	9	18	1
Mitchell's Grove	8	22	2	Thorsen Prairie	8	25	1
Morton Arb. East Woods A	7	7	0	Tolleston Ridges	6	18	0
Morton Arb. Heritage Trail	9	14	0	Turnbull Woods	6	10	0
Morton Arb. Lower Prairie	5	11	0	Volo Bog	8	12	0
Nelson Lake Marsh	6	27	1	Warrenville Grove	10	26	2
Old School Forest Preserve	3	11	0	Waterfall Glen	6	19	1
Orland Grasslands	9	43	2	Waubensee Comm. College	7	14	1
Otter Creek Forest Preserve	3	6	0	Wayside Woods Prairie	9	16	1
Oxbow Prairie	4	17	0	West Chicago Prairie	9	30	1
Paintbrush Prairie	5	10	0	West DuPage Woods	6	25	0
Poplar Creek	7	19	1	West Skokie River	6	10	0
Raccoon Grove	6	11	0	Wingate Prairie	10	19	0
Riverside Park	9	11	1	Wolf Road Prairie	2	6	0
Average Number of Runs (Visits) per Site: 6.5				Total Number of Site Reporting: 136			
Average Number of Species in 2005 per Site: 16.5				Total Number of Runs (Visits) in Network: 887			

For comparison, total number of site reporting in 2004 was 115, with number of runs equaling 708. Average number of runs was 6.2, and average number of species was 15.9.

Explanation of Annual Summary Reports

The annual summary reports for 2005 are the Species Summary Report which lists all of the species seen in the network, and the Site Summary Report which lists all of the sites reporting data in the network. The Species Summary Report also lists the high counts for each species. A high count is the largest number of that species seen on a site in one season. For example, if you saw 3 monarchs one day, 4 another, and 6 on a third day, your high count would be 6. The high count in the summary report is the highest count for that species in the entire network. The site reporting that count is also listed, as is the date on which the high count was reported. The total number of species seen in 2005 was 97. (Part of this is due to the Fults Hill Prairie site near St. Louis. Monitor Ron Goetz is seeing some species that never make it up to the Chicagoland area where most of our sites are located.) Totals for number of sites and runs (visits), as well as averages, are listed at the end of the Site Summary Report.

New Monitors - Read This!

If you are brand new to the network, there are several things you need to do. The first is to make sure you have turned in an IBMN application to Mel Manner. If in doubt, go to the IBMN website, www.bfly.org and submit an application under "About Us/How to Join" or call Mel Manner if you do not have internet access at 847-464-4426. Next, if you have applied, but have not yet received a site, contact Mel through the website or by phone and make sure you are on the site selection list. Third, you do not have to attend the March Indoor Workshop (although you are more than welcome), but you should attend a Beginner's Training Workshop if at all possible. (See pg. 2 for workshop information.) The March Indoor Workshop is more a network-wide meeting rather than a training workshop. We do try to have informative breakout sessions, but they are usually somewhat more advanced than the Beginner's Training Workshop. And lastly, make sure to contact Mel if you have any questions about anything!

Workshop Help

Doug and I have several things for you to think about, and one thing that I would like you to respond to by Feb. 5th. We are working on the details of the workshop. One new thing that we will be doing is having a general discussion about the future of the network. We'll be looking for feedback on what each of you hopes to see in this future, and what some of the non-monitoring roles for volunteers could be.

We also feel like we have been presenting very similar talks during the breakout sessions over the last 5 years or so. For example, Doug has presented 2 i.d. sessions on skippers recently, so he will not be doing that this year. Also, we now do the Beginner's Session and Beyond the Beginner's Session as separate regional workshops. They will no longer be part of the March Indoor Workshop. This opens up our breakout sessions for whatever else we need to cover.

Please take a few minutes to think about what sort of sessions you would like to see in the future, and email me your list or give me a call. (See Contacts, pg. 1.) Doug and I will go over everyone's responses to help us design programs for this year and the next few years. Please respond by Feb. 5th for input on this year's conference. Ideas after Feb. 5th will be held back for planning for future conferences.

I've already gotten a lot of good ideas from folks via email. Keep the ideas coming!

Thanks! Mel

Tour Committee Needed

We did a series of tours a few years ago that were not training sessions, but were a chance to get out in the field with other monitors and visit each other's sites. The tour leaders really enjoyed showing off their sites, and the participants got to see what other routes and sites are like. This was fairly popular, but Mel Manner does not have time every year to call potential tour leaders and set up dates and times. If a small group of monitors are willing to take this on, Mel will help you get started. To volunteer, just let her know. (See Contacts, pg. 1.)

Edens Lost & Found - PBS Special

It's easy for all of us to get wrapped up in our own monitoring and our own sites and forget the larger picture. The IBMN is actually part of a much larger "world of restoration", if you will. Much of this restoration is done by other volunteers and grass-roots groups. In fact the IBMN grew out of the Volunteer Stewardship Network which was set up by The Nature Conservancy as a grass-roots organization to train and support members of the general public to become stewards of natural areas. Part of good stewardship is knowing what is out there and monitoring it's health.

PBS will be presenting a series of inspiring shows in 2006. One of the shows is all about Chicago and the work volunteers and organizations are doing here. The show dates have not been set yet, but you can sign up for a free newsletter and notification of broadcast dates, plus get more information about the programs and teaching materials, on their website www.edenslostandfound.org

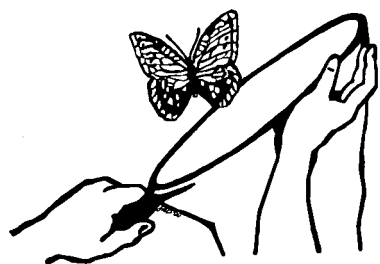
Edens Lost & Found, created by Wiland-Bell Productions, highlights practical solutions and models for urban transformation that go beyond pollution prevention to tackle the challenge of improving the quality of life in cities for ourselves and future generations.

Focusing on Chicago, Los Angeles, Philadelphia and Seattle -- four cities that face a range of demographic, economic and environmental challenges -- this special PBS documentary series shows how integrated resource planning combined with local community support have come together with bold strategies offering hope to our great American cities.

Many of the problems these cities are confronting pose similar challenges to other metropolitan areas -- of all sizes -- across America. And there is much to be learned from the solutions they are finding.

Showcasing strategies that contribute to a sustainable ecosystem -- including open space and public parks, urban forestry, watershed management, public art, waste disposal, recycling, green architecture, environmental justice, neighborhood development, and mass transit alternatives -- Edens Lost & Found presents the integrated "best practices" that are making a significant difference in these four cities.

Page 8



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