



Washington Butterfly
Association

The newsletter of the Washington Butterfly Association

P.O. Box 31317 Seattle WA 98103
<http://wabutterflyassoc.org>

*G'nun**

Facebook: Washington Butterfly Association. Instagram: #washingtonbutterflies (anyone can use this hashtag)

*G'nun is the official greeting of WBA. It is derived from the name of common Washington butterfly food plants, of the genus *Eriogonum*.



The Naches Loop Trail, part of the Cascade
Butterfly Project. (M. Weiss)

In this issue:

Trip Reports	p 2
Watching Washington Butterflies	p 3
President's Message	p 5
Study Weekend Registration	p 8
Field Trip Schedule	p 9

Upcoming Programs and Other Events

Wednesday May 15, Spokane: Bob Pyle's Butterfly Big Year in Washington. The renowned lepidopterist Dr. Robert M Pyle, PhD, visits Spokane! None other than the founder of the Xerces Society for Invertebrate Conservation, and much published writer in the science and lore of butterflies and Bigfoot, a poet and now novelist, Bob Pyle will talk to us about some of his recent writing and field experience.

June 28-30, Colville: Annual Study Weekend.

Other Events: Wednesday, May 8, WA Native Plant Society: Regina Rochefort, Cascade Butterfly Project in Tacoma. <http://www.southsoundchapterwnps.org/index.htm>

Saturday, May 11, Center for Natural Lands Management: Prairie Appreciation Day, Glacial Heritage Preserve, Littlerock, Thurston County.
<http://www.prairieappreciationday.org/> A good opportunity to see westside spring wildflowers, and grassland birds and butterflies.

Trip Reports: Skunked All Around So Far!

Skunked at Schnebley! John Baumann.

Given courage by the weather forecast for partly cloudy skies and high temperature of 59° at Vantage on April 6th, I decided to go ahead with a field trip that our members have enjoyed for many years as a season opener. Five of us remained ready to try the butterfly walk, including Paul Prappas and Carolee Coulter, from clear up in Nelson, BC! Sandy and Roger Mooney joined me from Spokane as well.

As you can see from our photo, the weather forecast proved to be overly optimistic! We spent 3 ½ hours in the Schnebley area, never seeing temps rise higher than 46°, and often with biting winds out of the southwest. The flora were well behind normal spring development, with only Spring Gold lomatium, a few small mustards and buttercups in bloom, although we saw a few interesting birds, such as Sage Thrashers, and Kinglets, there were no butterflies whatsoever. Sue Orlowski postponed her planned April 13 Hog Lake field trip until April 19, in hopes of warmer and drier weather, but had to cancel that one too!

Schnebley Coulee group. (J. Baumann)



Skunked at Yakima Training Center! Melanie Weiss.

The forecast was for a low temperature with high winds, so the Yakima Training Center field trip was canceled. However, a group of five hardy WBA members created their own field trip combining service work at two well-loved butterfly sites with butterflying for early fliers. Friday was sunny with a 56 degree predicted high, and we made Reecer Canyon our destination. Two frequently visited sites there needed rehab work. The first was a small meadow where there was extensive broken glass and bits of trash left from the fall hunting season that would pose a danger to children netting, anyone choosing a spot to eat or to simply watch the butterflies, and photographers bending down on their knees. We share our forests and wildlife areas with hunters, whose license fees and equipment and ammo taxes support many of our butterfly habitats. I have had friendly exchanges with hunters late in the season on many occasions. They have been proud to show me their bows and warn me of areas to avoid. In general, they are respectful of the meadows that support them, also. We usually find bits of trash and rifle shells, but not much else. I'm always amazed to return in the spring and see the verdant green returning after watching the hunters pull their trailers onto the meadows in the fall. Unfortunately, this year's group was an exception. So Clean-up it was! We brought gloves and worked over the area picking up as much of the glass as we could. Everyone agreed that it felt good to be caretaking an area that had given us so much over the years. The Water Tank area needed repairs to the pipe that feeds the tank for the second year in a row. The tank leaks water onto a dirt road for puddling butterflies throughout the season. With some pre-planning on how best to make the repair, some rain gear and lots of laughter, a repair was made. Along with servicing these areas, we saw some early season butterflies: Mourning Cloak, Hoary Comma, California Tortoiseshell, Julia's Orangetip, Echo Azure, Western Pine Elfin, Brown Elfin, and Moss's Elfin. The next morning, the day the field trip should have been, we awoke in Yakima to a temperature in the high 30s, and the wind was already picking up. We decided to go to Cowiche Canyon since it would be more protected from the wind. By mid-day it had warmed to the lower 50s and the Lucia Azures were flying. We saw around a dozen of these silvery blue beauties. We watched one Lucia

Kim and Paulette with tortoiseshells. (M. Weiss)



Lucia Azure. (M. Weiss)

clinging to a branch in the wind and being flipped from side to side as if it were a flag. The positive side of butterflying in cooler temperatures is that the butterflies open their wings to "sun bathe". We were treated to basking butterflies on both days. Other than the Lucias, we only saw a Mourning Cloak and a Cabbage White in the canyon. Our five member field trip turned out to be grand in so many ways! And thank you to this group for the work that was done.



Fixing the water pipe at Reecer. (C. Clark)

Watching Washington Butterflies with Bob Pyle

Watching Washington Butterflies # 37

The Birth of Xerces

I am just about to wing my way to England for an Easter vacation. As always, returning to the UK puts me in mind of another such journey, long ago, that had big consequences for my life to come. By way of sharing these memories with you, I am repeating below (with permission of the Xerces Society, on whose website [xerces.org] it appears) the following story:



Biological Records Centre (BRC) staff in the early 1970s outside the Royal Oak at Wennington (long-since closed.) (<http://www.monks-wood.org.uk/index.html>)

How did the Xerces Society come to be? I hear that question almost as often as I read apocryphal versions of the answer. Therefore it seems appropriate to record the official account of the birth of Xerces for the archives and for the curious reader.

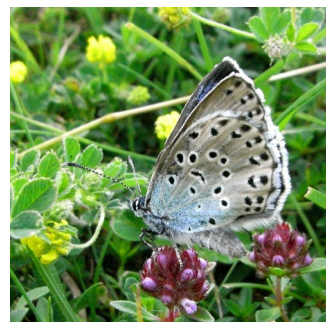
In 1971-72, I had the good and surprising fortune to be the recipient of a Fulbright-Hays Scholarship for study of insect conservation in England. The environmentally sensitive public mood following the first Earth Day made this a reasonable proposition, I suppose, to the government; and John Heath's offer of a place to study at the Monks Wood Experimental Station, epicenter of insect conservation activity, made it possible. I cannot begin to describe here that marvelous year of learning among the scientists of Monks Wood. Fully six public servants were engaged more or less full-time in research pertaining to rare invertebrate conservation at this famous British field laboratory. Many others participated on a greater or lesser basis. Based in the Biological Records Centre, where the great British fauna and flora distribution maps were developed, my supervisor was John Heath. My other primary mentors included Michael Morris, Jack Dempster, Jeremy Thomas, Paul Harding, Ernie Pollard, Marny Hall, Michael Skelton, Eric Duffey, Norman

Moore, Colin Welch, Michael Way, Max Hooper, Terry Wells, Brian Davis, Mike Schofield, and Kenneth Mellanby, among others - all familiar names to nature conservationists on both sides of the Atlantic. Counting in the British Butterfly Conservation Society, the Joint Committee for the Conservation of British Insects, the country Naturalists' Trusts, and many other groups involved in insect habitat management, I was surfeited with relevant instruction and example.

However, in November of 1971 I experienced a distressing time of doubt when I wondered what it would all come to. How would we begin to emulate these advanced efforts back home? Little structure and less interest seemed to exist for doing so. In that querulous frame of mind I attended a meeting of the British Entomological and Natural History Society in London on December ninth. Grahame Howarth of the British Museum (Natural History) spoke on the efforts to save the Large Blue (*Maculinea arion*) in England. He ably outlined the history of this endangered butterfly which, despite nominal protection for half a century, continued to drop out of reserve after reserve. He concluded on a rather pessimistic note as regards the British Large Blue, but with an upbeat message: "If we lose our Large Blues," he stated, "let us make them a symbol for vigilance, so that we shall never see another British butterfly become extinct if we can help it to survive."

Grahame Howarth's words turned out to be prophetic. The Large Blue did indeed become extinct in Britain, for reasons that Jeremy Thomas's elegant research discovered too late. And the loss did spark a new vigilance, culminating in the Butterfly Year, a national campaign in the early 'eighties that netted many thousands of pounds on behalf of rare British butterflies. Although the reign of Margaret Thatcher saw a massive retreat from government-sponsored wildlife conservation, private bodies struggled to take up the slack, aided by the impetus and funds raised by Butterfly Year.

Large Blue. (Wikipedia)



But Mr. Howarth's address had another, more immediate effect. As I returned from Huntingdon that night, I turned over in my mind the idea of an extinct butterfly as a symbol for a movement. It occurred to me that we in America had already lost such a butterfly, the Xerces Blue, extirpated on the San Francisco Peninsula in the early 'forties. The "X" of Xerces, I imagined, would make a perfect symbol for extinction, and could be wrought into a butterfly shape. Spontaneously, the concept of the Xerces Society arose. I could scarcely withhold my enthusiasm to tell someone about it, but the passengers in the train compartment with me all had their noses in *The Times* or *The Telegraph*, so I had to wait for a public pronouncement. But the birth of Xerces occurred that night nonetheless, on British Rail's main line north somewhere between King's Cross and Huntingdon. On December 9, 1971, the Xerces Society was founded.



Xerces Blues. (Brian Wray)

I hit John Heath with the idea the next morning and he gave me his fullest, most enthusiastic support. Quickly I had a postcard printed, addressed "To everyone who wants to help perpetuate rich, natural populations of butterflies." The card headlined the facts that butterflies were declining, habitat protection was the main front, and no further extinctions should be tolerated. I sent it to everyone I could think of who might be interested in joining or helping the nascent organization.

Serendipity strikes when it wants to and sometimes that's just when you need it. Right about then I spotted an article by Jo Brewer in Audubon entitled "To Kill a Butterfly." Of course I knew of Jo from her wonderful book, *Wings in the Meadow*, but we'd never met. I wrote her immediately and asked her to become Associate Director. Jo graciously accepted, scarcely knowing what she was getting herself into, and thereby became the de facto co-founder of the Xerces Society. Without her energy and dedication, the idea might well have been stillborn. Ivy LeMon became the next member, followed by a virtual flood of interest. Xerces had taken wing.

As my time at Monks Wood drew toward a close, I heard from Charles Remington, co-founder and then-president of the Lepidopterists' Society. The 25th Annual Meeting of the Society was to take place in San Antonio that summer, and Professor Remington hoped to feature a symposium on Endangered and Extinct Lepidoptera. He asked if I might come and share something of the British experience in the field. Early Xerces supporters Bernard and Gladys Sherak made that possible. At the Texas meeting, Xerces had its coming-out. Once members of the sister-society realized that our purpose was not to ban collecting, they extended a warm and cordial reception, sharing as they did many of our concerns. Jo and I met in San Antonio and chartered the near future of Xerces. Charles Remington suggested that I continue related doctoral studies in New Haven and bring Xerces with me.

If John Heath served as doctor-in-attendance at Xerces' birth (and Monks Wood the maternity ward), Dr. Remington assumed the role of godfather (and Yale the nursery), facilitating the sensible growth of the group in every way. Much of the early development of Xerces occurred at Yale over the next few years, including the first annual meeting in 1974. Attendance by eminent entomologists Miriam Rothschild and Alexander B. Klots helped lend stature and credence to the young, relatively unknown association. Over three years, Jo and I shuttled between Boston and New Haven. Our first secretary, Joan DeWind, inveigled pro bono legal assistance for incorporation from her husband Bill's firm. A Board of Directors was assembled, Roger Pasquier took firm control of the treasury, and *Atala* and *Wings*, the journal and newsletter, were launched.

Thus was Xerces born. Many devoted people have helped in its upbringing. Now, with the Society as a full-fledged conservation organization, we can look back on more than forty years of conservation success. Rare species have been protected, and their habitats secured. Tens of thousands of people have attended training courses and workshops or helped with citizen-science projects. Hundreds of thousands of acres of new habitat have been created on farms and in parks, and thousands of gardeners are welcoming bees and butterflies to their yards. But there is far more to be done. Conserving the diversity of invertebrates is, after all, the biggest job in the world.



Peacock. (C. J. Sharp)

Now, as I wing my way back to the UK, more than 47 years later, I can hardly believe what that glimmer in 1971 has become: with more than fifty staff in several states and a \$5 million budget, Xerces is the largest pollinator protection team in the world. I won't be returning to Monks Wood this time, as the Station and the BRC have been disbanded. But I will be watching for early Brimstones and Commas, Peacocks and Small Tortoiseshells, and I will remember the excitement of a young man flying off to an unknown adventure, all those years ago.

President's Message from David Jennings

Belated Happy New Year! May your 2019 field season be filled with amazing encounters, educational opportunities and a growing sense of wonder and appreciation of our natural world.

Fieldtrips

The Board is going to do our best to help you maximize your butterfly explorations, with a plethora of field trips around the state plus a very exciting “Butterfly Weekend” with our 18th annual WBA conference based out of Colville.

One of the most exciting aspects of our growing range of opportunities is the increasing number of field trips focused on the east side of state, with the incredible team we have in Spokane leading the way.

WBA is continuing our tradition of field trips for folks on the west side, with trips planned to excellent habitats around Ellensburg, Yakima and similar areas east of the Cascades. While the weather is much more fickle on the west side of the Cascades, we may try some field trips that can be organized relatively quickly if the weather in the Olympics or down in the Olympia area will cooperate.

We are also trying to figure out the logistics for some “weekend long” expeditions around the state—for those sites we know are excellent but are hard to do in a single day due to travel time involved. Sites similar to one of our previous “Wings over Washington” conference—the areas around Tonasket including the Sinlahekin Wildlife Area, managed by our Department of Fish and Wildlife. With Dale Swedberg now on our board, I am hopeful that we can find “someone” knowledgeable about that part of the state, in particular where to look and what to expect.

Summer Study Weekend

The board has a great summer Butterfly Weekend planned for this summer. Mark your calendars for the last weekend of June: June 28th through June 30th with an optional day for a fieldtrip on Monday July 1st. Our host city is Colville and we are already working with land managers in the area to determine where we can maximize observations of many different species. There is a lot of habitat, and habitat diversity, in that part of the state. As a board, we are very excited about this location. I would like to give a special shout out to Lora Langford, Sue Orlowski and Mary Schu, for organizing this year's butterfly study weekend!

Membership Dues

Running an independent state-wide organization does have costs associated with it. WBA has not raised our dues in over 10 years. After much discussion this past fall at our annual board retreat, the board decided it was time to make a small increase to our membership fees. Our past dues were \$20 for an individual and \$25 for a family. Moving forward the dues are now \$25 for an individual membership and \$30 for a family. We hope you still think it is a bargain for what you get in return.

Conservation

I started this message with a focus on WBA helping you gain a growing sense of wonder in the diversity and beauty of our natural world. Now it's time for the conservation component. Our vice-chair John Baumann recently came across a very sobering article in the New York Times: Insect Apocalypse. It focuses on how scientists all around the world—from nature preserves in Germany to the tropical forests of South America—are documenting an alarming, almost precipitous decline in all types of insect populations. Please go online and read it. The implications are staggering. It's nice when the USA can be role model for others, but currently we seem to be doing just the opposite when it comes to conservation. The infamous “Wall” that our federal administration is pushing to be built will be a very negative blow to biodiversity across the states that border Mexico. A sad example is what is being proposed for our National Butterfly Center, just outside of McAllen, TX, situated between Benson State Park and the very famous Santa Ana Federal Wildlife Refuge.

The department of Homeland Security has notified the butterfly center that the feds intend to exert eminent domain and build a physical wall bisecting the NBC. What is even more egregious is that the federal plans call for destroying all the native habitat on the south side of the NBC—bulldozing it into oblivion. For more details on this proposed conservation tragedy contact the National Butterfly Center (<https://www.nationalbutterflycenter.org/>). Melanie Weiss, a past WBA board member is tracking this closely.

Feedback and Participation appreciated

The WBA board always appreciates feedback on how we can better serve our membership. If you wish to participate on any of our standing committees (membership, programs, website, newsletter, field trips, finance, conference), please let us know!

In closing, thank you for your membership and active participation in WBA! We look forward to spending time with you in the field this summer! Stay tuned for lots of good field trips!

Cascade Butterfly Project: 2019 Season Brings New Structure

The Cascade Butterfly Project, now in its 9th year, is a long term citizen science project monitoring butterflies and plant phenology at Mt. Rainier National Park, the North Cascades National Park and a few other locations. Beginning this season there will be some changes to the CBP gearing it to become essentially “powered” by Volunteer Citizen Scientists. Many of the surveys were done by paid park interns in the past. To shift to being volunteer driven, there will be some restructuring of the program. Regina Rochefort, who has overseen this project from the beginning, has retired from her position at the National Park Service. She sees the volunteer powered citizen scientist route as the best way for the program to continue long term and is guiding the program into its new form. She has visited other successful programs in our country that operate this way. The Naches Loop Trail at MRNP has been a great model. Many WBA members have volunteered on this trail with Melanie Weiss as the Lead over the past 5 years. Melanie will continue her volunteer role as Lead for the Naches Loop and will recruit and coordinate volunteers for this route. This model can be used for other trails being monitored. Additional options are being considered...for example, a pair of volunteers could take on the Lead position of a trail and split the season. If you are interested in volunteering for a Lead position, or going out on any of the transects, or going on the Naches Loop with Melanie, contact either of them at:

2019 Study Weekend Silent Auction

We will once again have a silent auction at our Study Weekend in Colville. It is not at all too early to start soliciting donations from businesses that might profit from visibility at our gathering! Businesses that sell mail order are good bets as they can ship their product to a customer anywhere in the state. I can send you a donation solicitation letter to give to businesses. Donations can be anything butterfly related, even vaguely, or just something that butterfly lovers would also like—gardening, bird watching, butterfly-themed housewares, décor, jewelry, shopping bags, field guides for pretty much anything, books, artwork, etc. Higher-end food items do well too, like chocolates, coffee, baking mixes and wine. Suitable donations can also be found inexpensively in outlet, thrift and antique stores, and your storage closet. If you want to donate something but are not going to attend the study weekend, we can arrange for someone to pick up your donation from Seattle, Olympia or Spokane. Let me know what you’re bringing, and the approximate retail value, at least a week before the conference so I can make up enough bid slips, and then bring them to the Grange hall the Friday of the study weekend. But, if you don’t get organized enough for that, just bring them on Friday for the auction on Saturday evening. We won’t turn them away. Regina Johnson

2019 Idie Ulsh Young Naturalist Scholarships

Each year the Washington Butterfly Association offers three Idie Ulsh Young Naturalist Scholarships for our annual Butterfly Study Weekend. Each scholarship covers registration fees, lodging for two nights, meals, and round-trip mileage from home to the venue for a 10-17 year old nature enthusiast and an accompanying parent or guardian. It is a chance to enjoy butterflies with people who know and love them. This year the Study Weekend will be June 28 – 30th, 2019, in the vicinity of Colville, WA.

For a scholarship application, visit our website at www.wabutterflyassoc.org or contact us at

Applications must be received by Saturday May 18th, 2019.

Our Butterfly Study Weekend provides an opportunity to spend a day and a half on summer field trips that are often too far away for a one-day visit. Study areas usually are east of the Cascades. We gather on Friday evening for light refreshments, socializing and a review of species that we are likely to see on our field trips. Sunday we have a half-day field trip, ending in the early afternoon, giving people time to return home.

Author Robert Michael Pyle Visiting Spokane!!

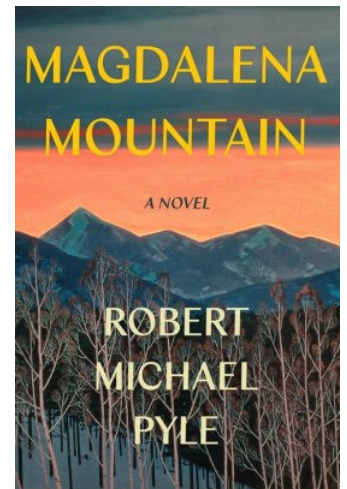


Independent scholar, biologist and writer Bob Pyle will read from his new novel, *Magdalena Mountain* in an appearance with the Spokane Chapter of the Washington Butterfly Association. He will also reflect with us on his writing experience, and his long career as a conservation advocate for butterflies and the habitats in which they live.

Lovers of good reads, wildlife, conservation causes and butterflies, above all, will not want to miss this event!

Bob holds a PhD from Yale University, and has achieved international recognition for his publications, which include peer reviewed journal articles, collections of essays and memoirs and poetry, in addition to several northwest butterfly field guides, such as *Butterflies of the Pacific Northwest*, National Outdoor Book Award winner for 2018, released with co-author Caitlin LaBar.

Magdalena Mountain is Bob's 22nd book, but his first novel. It is a delightful romp into the high country of Colorado, into lands with which the author has become deeply familiar through years of field study dating back to his youth. Though certainly a piece of fiction, the book seems to follow some adventurous and canny young entomologists who tread Bob's own footsteps in discovering the haunts of one of North America's rarest and most distinctive butterflies, the all-black Magdalena Alpine. Only Bob himself could have credibly made one such hardy yet delicate alpine butterfly a literary character in its own right, in flight through the pages of this journey. Copies of this book will be available at this event. Look for some surprises in the final pages!



Free of Charge
Sponsored by WBA
May 15th, 2109
6:00 pm at
Corbin Art Center
507 W 7th Ave
Spokane, WA



Washington Butterfly Association 2019 Study Weekend
Registration & Meal Reservations
Fort Colville Grange, 156 Highway 20 E

Colville, Washington 99114, June 28-30, 2019

No refunds after June 16th.
Registration fee does NOT include lodging or meals.
Meal reservations must be received by June 16th.

Name(s) _____

Addl. Name(s) _____

Address _____ **Please print clearly**

City, State, Zip _____

Telephone _____ Email _____

Enter number of people and, if chosen, any meals, with totals and grand total in the right-hand column. WBA MEMBERS—REGISTRATION	Price	How many?	Total
Registration includes: Friday evening light refreshments & lecture, Saturday field trip, Saturday evening lecture, Sunday field trip; Register by June 16	\$100		
NON-MEMBER—REGISTRATION includes one year free WBA membership.			
Non-Member Registration includes Friday evening light refreshments & lecture, Saturday field trip, Saturday evening lecture, Sunday field trip; Register by June 16	\$110		
SPECIAL OFFER! Discounted registration AND one year free WBA membership for first-time members, juniors 13 –17 years, and students enrolled in school programs. Under 18 must be accompanied by registered adult. <i>(Names of minors needed for name tag purposes)</i>	\$ 45		
Children 12 and under free if accompanied by a registered adult.	\$ 0		
A Monday field trip will be available for those staying over.	Free		
MEALS--OPTIONAL not included with registration fee. Bring your own water for field trips.			
Saturday dinner (catered by Catering to You): includes a Feta Walnut Romaine Salad (V/GF), Spinach Salad w Vegetables, Strawberries and Almonds (V/GF), Rolls and Butter (V). Entrée vegetables include Scalloped Potatoes (V/GF), Cashew Rice Pilaf (V/GF), Roasted Squash (V/GF), Glazed Carrots (V/GF). Dessert options include Mint Brownies (V) and Triple Chocolate Brownies (V/GF). Pick one entrée per person.			
Adults			
Chicken Cordon Bleu (GF)	\$25		
Vegetarian Lasagna (V)	\$25		
Children (12 and under)			
Chicken Cordon Bleu (GF)	\$15		
Vegetarian Lasagna (V)	\$15		
No Lunches available. Please make your own arrangements for breakfast and lunch.			

TOTAL \$ _____

Note that you will be able to register online once that's set up, link on our website; or, if you use this form, make your check payable to Washington Butterfly Association, and mail it with this form to: WBA, Attn: Registrars, P.O. Box 31317, Seattle, WA 98103. You will receive confirmation by email, telephone, or mail. Questions? Contact Registrar Reg Reisenbichler (coral_wannabe@hotmail.com)

2019 Field Trip Schedule (Subject to Change)

Date	Destination/Description	Difficulty	Trip Leader
May 11	Rutter Canyon, Little Spokane Natural Area	2	Sue Orlowski
May 18	Spiva Butte Preserve, Douglas Co., near Waterville. Over 1000 acres of shrub-steppe, with lake and springs.	4	Melanie Weiss
May 23	Spokane Falls Community College butterfly class	2	John Baumann
May 24 (Friday)	Reecer Canyon, Ellensburg. We will visit one of our classic Central WA canyons at an earlier time in the season. Habitats will be explored at several elevations. Probable sightings of early blues, elfins, check-erspoths, swallowtails.	2	Melanie Weiss
May 25	Douglas Canyon, Douglas County	1	Sue Orlowski
July 13	Salmon La Sac area, multiple stops. California Hairstreaks and Great Spangled Fritillaries have been seen in the past.	1-2	Al Wagar
July 23	Stevens Creek and Stevens Lakes, Shoshone County, ID	4-5	John Baumann
June 28-30	Annual Butterfly Study Weekend, Colville		
July 27	Bethel Ridge, Yakima County		Jim Reed
August 2 (Friday) Rain will cancel.	Mt. Townsend, Olympic National Forest. The Bob Hardwick Classic field trip. Plan on carpooling from the ranger station in Quilcene as the trailhead parking is woefully inadequate for the popularity of the trail. The route from Seattle will involve either the Kingston ferry or Tacoma Narrows bridge, and the Hood Canal bridge. We will hike about 2 miles uphill to the subalpine meadows. Trailhead is at 3400 ft and we will probably top out at about 4800 ft. The peak is at 6200 ft and 5 miles of trail and there will be butterflies at the top but I won't be going that far. Stay overnight in Sequim or Port Angeles and get 2 field trips in one trip to the Olympic Peninsula! See next item.	4-5 steep and unrelenting but we will go very slowly.	Regina Johnson. Be sure to sign up ahead of time for carpool and meeting instructions.
August 3	Deer Park and Blue Mtn., Olympic National Park (no nets). Subalpine meadows. Warning: Deer Park Road is notorious for being steep, narrow and scary, though not as bad as the Harts Pass road. The route from Seattle will involve either the Kingston ferry or Tacoma Narrows bridge, and the Hood Canal bridge.	2-3	Jim Reed. Sign up ahead of time for carpool and meeting instructions.

Non-consumptive appreciation of butterflies is central to our purpose, basic to our approach, and the guiding principal behind general membership field trips. Collecting of adult butterflies is not allowed on these trips. Collecting of eggs and larvae for rearing is accepted on condition that individuals raised to adult stage are released at their original location.

HOW TO SIGN UP: Anyone can sign up at a WBA monthly meeting or by contacting the trip leader. (See Board and Committee list in this issue for contact information)

Check our website and Facebook page for last-minute additions (Flash Field Trips!).

DIFFICULTY RATINGS:

- 1 Easy, mostly by car, minor walking along roads.
- 2 Fairly limited walking, some slopes involved.
- 3 Moderate, 3-4 miles walking with some slopes.
- 4 Difficult, hiking required off road, may have short steep sections, total of 4 miles or so.
- 5 Strenuous, extended hiking on trails with steep terrain, 4-8 miles.

Field Trip Instructions

WHERE & WHEN TO MEET: Trips depart from the north half of the Ravenna Park & Ride at 7:00 a.m. unless expressly stated otherwise. The park & ride is located under I-5 at Ravenna Blvd between NE 50th & NE 65th St. On request we also stop at the Issaquah Park & Ride at 7:30 a.m. To reach the Issaquah Park & Ride: going eastbound on I-90 take Exit 15 (1st Issaquah exit). At exit stoplight turn right (south) and drive 0.45 mile to Newport Way intersection (traffic light). Turn left (east) on Newport Way and drive 0.1 mile to another light, and turn right (south) into the Park & Ride. If you live in another part of the state, contact the trip leader to arrange where to meet the field trip group.

Please tend to personal matters such as getting coffee or lunch food before departure time so others are not delayed. Bring your own beverages, snacks and lunch for a day in the field.

All field trips are conducted by carpool. Without the volunteer participation of drivers, the trips are not possible. If you have a car that you are willing to drive, please have the gas tank full and ready to go.

All WBA-sponsored field trips are fully insured.

COSTS: Passengers are expected to share gasoline expenses. Typically this is \$10-20 each. Each rider should also pay a share of any park entry fees, ferry fares, etc. The trip leader will collect a voluntary donation of \$5 per person (children under 12 are free) for each field trip to help offset expenses of the organization.

Board Members

President	David Jennings		
Vice President	John Baumann		
Secretary	Mary Schu		
Treasurer	Regina Johnson		
At-Large	David James		
At-Large	Lora Langford		
At-Large	Paulette Murphy		
At-Large	Sue Orlowski		
At-Large	Jim Reed		
At-Large	Dale Swedberg		
At-Large	Alex Wright		

Committees

Science Advisor	Jon Pelham	
Membership	Reg Reisenbichler	
Annual Conference	Available	
Field Trips	Available	
Programs	Paulette Murphy	
Publicity/Website	Carolyn Heberlein	
Newsletter	Regina Johnson	
Trip Leader, Central WA	David James	