



CFO & WFO Joint Convention
Summit County, Colorado
July 19-23, 2023

Registration Information

Schedule

Schedule is subject to change. Check for updates immediately prior to the convention.

Monday/Tuesday July 17/18, 2023

All Day	Youth/Student Camping Trip	Windy Point Campground
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Wednesday July 19, 2023

5:30 pm - 8:00 pm	Welcome picnic w/ packet pick up	Jack's Slopeside Grill
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Thursday July 20, 2023

5:00 am - 7:00 am	Pre-ordered breakfast/lunch pick up	Ptarmigan Foyer
5:00 am - 7:00 am	Registration/packet pick up	Ptarmigan Foyer
5:00 am - 7:00 am	Field trips depart	Ptarmigan Foyer
4:00 pm	Field trips return	
4:00 pm - 8:00 pm	Registration/packet pick up	Bighorn Ballroom C1
4:00 pm - 8:00 pm	Silent Auction Open	Bighorn Ballroom C1
4:00 pm - 8:00 pm	Vendors Open	Bighorn Ballroom C1/2/3 and Kokopelli's Trail
5:30 pm - 7:00 pm	Social with No Host Bar	Kokopelli's Trail

Friday July 21, 2023

5:00 am - 8:00 am	Pre-ordered breakfast/lunch pick up	Ptarmigan Foyer
5:00 am - 8:00 am	Registration/packet pick up	Ptarmigan Foyer
5:00 am - 9:30 am	Field trips depart	Ptarmigan Foyer
8:00 am - 11:00 am	Workshops	Bighorn B, Ptarmigan A/B/C
11:00 am - 12:00 pm	Field trips return	
12:00 pm - 8:00 pm	Silent Auction Open	Bighorn Ballroom C1
12:00 pm - 8:00 pm	Vendors Open	Bighorn Ballroom C1/2/3 and Kokopelli's Trail
1:00 pm - 3:15 pm	Plenary and Science Session	Bighorn Ballroom B
2:00 pm - 2:30 pm	Break	Kokopelli's Trail
1:00 pm - 4:00 pm	Workshops	Ptarmigan A/B/C
4:00 pm - 8:00 pm	Registration/packet pick up	Bighorn Ballroom C1
3:30 pm - 5:00 pm	Bird Sound ID Challenge	Bighorn Ballroom B
5:15 pm - 6:45 pm	Social with No Host Bar	Kokopelli's Trail
5:15 pm - 8:00 pm	Youth/Student Pizza Party	Jack's Slopeside Grill
9:00 pm - 9:45 pm	Star Gazing	TBA

Saturday July 22, 2023

5:00 am - 8:00 am	Pre-ordered breakfast/lunch pick up	Ptarmigan Foyer
5:00 am - 8:00 am	Registration/packet pick up	Ptarmigan Foyer
5:00 am - 9:30 am	Field trips depart	Ptarmigan Foyer

8:00 am - 11:00 am	Workshops	Bighorn B, Ptarmigan A/B/C
11:00 am - 12:00 pm	Field trips return	
12:00 pm - 4:00 pm	Vendors Open	Bighorn Ballroom C1/2/3 and Kokopelli's Trail
12:00 pm - 6:30 pm	Silent Auction Open	Bighorn Ballroom C1
1:00 pm - 3:15 pm	Science Session	Bighorn Ballroom B
2:00 pm - 2:30 pm	Break	Kokopelli's Trail
1:00 pm - 4:00 pm	Workshops	Ptarmigan A/B/C
3:30 pm - 5:00 pm	Bird Photo ID Challenge	Bighorn Ballroom B
6:00 pm - 8:00 pm	No-host Bar	Kokopelli's Trail
6:30 pm - 9:15 pm	Banquet with Keynote Presentation	Bighorn Ballroom B/C1
9:15 pm - 9:45 pm	Silent auction pickup & payment	Bighorn Ballroom C1

Sunday July 23, 2023

5:00 am - 7:00 am	Pre-ordered breakfast/lunch pick up	Ptarmigan Foyer
5:00 am - 7:00 am	Silent auction pickup & payment	Bighorn Ballroom C1
5:00 am - 9:00 am	Field trips depart	Ptarmigan Foyer
4:00 pm	Field trips return	

Venue Locations

All convention activities will occur at or immediately adjacent to the Copper Conference Center in Summit County, CO. A map of the resort can be found under Convention Logistics on the CFO website: <https://cobirds.org/current-convention/>

- Conference Center: 184 Copper Cir, Frisco, CO 80443
 - Includes the Kokopelli Trail (lobby area in front of Bighorn), Bighorn Ballroom, and Ptarmigan rooms.
- Jack's Bar & Slopeside Grill: Adjacent to Convention Center
- Element 29 Hotel: 670 Copper Rd, Frisco, CO 80443

Parking for the Conference Center

All guests staying at the convention hotel, Element 29, have complimentary parking.

For those not staying on-site, free parking is available in the Flyer Lot across from the Convention Center (limited to 60 spaces) and at the Alpine Lot near the entrance of the resort (1.5 miles from the conference center). There are regularly scheduled shuttles that service the Alpine lot. There are also numerous paid lots throughout the resort closer to the convention center.

Transportation to/from the Convention

You can find information on shuttle services or public transportations to/from the Copper Mountain Resort under Convention Logistics on the CFO website:

<https://cobirds.org/current-convention/>

High Elevation in the Rockies

Summit County, in the heart of the Rocky Mountains, is at a high elevation. The Conference Center at Copper Mountain Resort is at 9,712 ft. Field trips will be going to lower and higher elevations. Weather can change dramatically from day to day and the thinner, drier air means that temperatures drop rapidly once the sun sets. Please take precautions while packing and during your visit to ensure a safe and enjoyable trip.

- Drink plenty of water - the air is thinner and drier than you may be used to. You will likely need to consume more water than you normally would. Bringing a reusable water bottle to carry on field trips and fill at the convention center is highly recommended.
- Wear layers so that you can adjust to changing temperatures. Be prepared for wind as it can have a significant chilling effect.
- If coming from a low altitude, consider avoiding alcohol for the first 48 hours of your visit. A common rule of thumb is that every two drinks hits more like three drinks at lower elevations.
- Allow for plenty of rest to recuperate.
- Avoid overexertion before your body can adapt to the lower oxygen and dryness in Colorado. Recognize that you will likely need to walk slower than you may be used to – luckily we're birding so this probably won't be an issue.
- With a less protective atmosphere between you and the sun, sunburns are common at elevation. Consider wearing sunscreen, sun shirt, and a hat even if you do not normally do so.

Convention Shirts

Order your exclusive convention shirt with your registration – they will not be available for sale at the convention. The art featuring a male and female American Three-toed Woodpecker is the work of the renowned birder and artist, John Schmitt.



Shirt costs & details will be added in a new version of this packet before convention registration starts.

Some apparel and other items specific to CFO and WFO may be available for sale at the convention.

Food Selections

During the convention registration, you will need to make your selection for food options for some ticketed events. Below are descriptions of food provided during different events. **If you have a special dietary concern (allergies, Kosher, gluten-free, vegan, etc), please note it in the notes section of the registration form and we will work with the caterers to accommodate requests.**

Welcome Picnic

The picnic will be a burger, veggie burger, and all-beef hotdog buffet served with baked beans, buns, salads, watermelon, iced tea, lemonade, and desert. There will be a no-host bar as well. To get an estimate for catering, please indicate if you plan to attend the Welcome Picnic when you register (no additional cost).

Breakfasts

Element 29, the convention hotel, does not have breakfast. Grab & Go breakfasts will be available to pick up each morning starting at 5:00 am in the Ptarmigan Foyer. All breakfasts must be ordered when you register. Coffee and tea service will be available each morning.

Grab & Go Breakfast (\$18)- All breakfasts include a warm breakfast burrito or breakfast sandwich, plus fruit yogurt cup, whole fresh fruit, and chef's choice pastry. Options can be made gluten-free, be sure to note this on the registration form. The main option will be offered on alternating days.

- Breakfast Burrito – Egg, potato, bacon (optional), cheddar cheese, and green chile
- Breakfast Sandwich – Egg, sausage (optional), cheese

Note: Please indicate allergies/vegetarian or gluten free options are available

Lunches

Participants on all-day field trips (Thursday & Sunday) will need to bring their own lunch. Participants on half-day field trips or morning workshops (Friday & Saturday) may still wish to get a pre-made lunch so that they can get to the start of the science sessions and afternoon workshops in a timely manner. Boxed lunches will be available to pick up each morning starting at 5:00 am in the Ptarmigan Foyer. All lunches must be ordered when you register.

Boxed Lunches (\$24) - Selection varies by day.

Thursday, July 20

Choice of:

- Deli Sandwich: sliced smoked turkey breast, cheddar cheese, lettuce, tomato on a croissant
- Cobb Sandwich: smoked ham, provolone cheese, lettuce and tomato on thick sliced marble rye

- Veggie Delight Sandwich: grilled squash, zucchini, red onion, roasted red pepper hummus, Swiss cheese on seven grain wheat bread

All options include All American Potato Salad (celery, mustard, hardboiled egg, cheddar, fresh dill pickle), fresh fruit salad, potato chips, and jumbo cookie.

Friday, July 21

Choice of:

- Portobello Salad: baby greens, grilled portabella, red pepper, grape tomato, olive tapenade, goat cheese, hummus, grilled pita with Italian vinaigrette
- Turkey Sandwich: deli sliced smoked turkey breast, cheddar cheese, lettuce, tomato on a croissant
- Chicken & Biscuits Basket: Three pieces of Honey Stung Chicken served chilled with buttermilk biscuit & honey

All options include pasta salad (cavatappi pasta, roma tomatoes, peppers, artichoke hearts, olives and pesto vinaigrette), whole fresh fruit, potato chips, jumbo cookie.

Saturday, July 22

Choice of:

- Turkey Sandwich: deli sliced smoked turkey breast with cheddar cheese, lettuce, tomato on a croissant
- Sicilian Sub: Black Forest ham, Genoa salami, capicola, marinated roma tomatoes, arugula, red onions, provolone, basil pesto vinaigrette, asiago hoagie
- Veggie Delight Sandwich: Grilled squash, zucchini, red onion, roasted red pepper hummus, Swiss cheese on seven grain wheat bread

All options include pasta salad (cavatappi pasta, roma tomatoes, peppers, artichoke hearts, olives and pesto vinaigrette), whole fresh fruit, potato chips, jumbo cookie.

Sunday, July 23

Choice of:

- Turkey Sandwich: deli sliced smoked turkey breast with cheddar cheese, lettuce, tomato on a croissant
- Chicken & Biscuits Basket: Three pieces of Honey Stung Chicken served chilled with buttermilk biscuit & honey
- Portobello Salad: Baby greens, grilled portabella, red pepper, grape tomato, olive tapenade, goat cheese, hummus, grilled pita with Italian vinaigrette

All options include pasta salad (cavatappi pasta, roma tomatoes, peppers, artichoke hearts, olives and pesto vinaigrette), whole fresh fruit, potato chips, jumbo cookie.

Banquet

The Convention Banquet is a ticketed event – be sure to purchase your ticket when you complete your registration. There will be a no-host bar prior to and during the banquet.

Menu

Composed Gathered Greens with English cucumber, poached pears, candied walnuts, Maytag Blue cheese crumbles, basil port vinaigrette

Grilled Vegetable Salad with a roasted red pepper drizzle

Chef Carved Prime Rib with creamy horseradish and jus lie

Seared Chicken Breast with wild rice pilaf, crispy prosciutto, scallions

Colorado Potatoes Au Gratin

Fresh Seasonal Vegetables

Fresh Baked Dinner Rolls with butter

Lemon Raspberry Trifle

Beverages: Lemonade and Iced Tea, Coffee, Decaffeinated Coffee and an Assortment of Fine Teas

Youth And Student Events

There are a variety of activities specific for youth and student participants at the joint WFO-CFO convention.

Pre-convention camping trip: July 17-19 at Windy Point Campground. [Learn more \(PDF\)](#) . Register for this event separate from the convention registration. Registration deadline is May 26, 2023.

Free camping during the convention: July 19-24 at Prospector Campground. [Learn more \(PDF\)](#). Register for this event separate from the convention registration. Reservation must be received by June 30th but the limited spaces may fill before that.

Thursday youth/student field trip: Grand County Big Day with David Tønnessen (THFT12). Details in the Field Trips section below. Register for this trip with your convention registration.

Friday youth social: Relax with friends old and new. No registration necessary

Saturday youth/student field trip: Kite Lake Ptarmigan & Rosy-Finches with David Tønnessen (SAFT9). Details in the Field Trips section below. Register for this trip with your convention registration.

Youth teams: Compete with your peers during the Bird Sound and Bird Photo ID Challenges.

BioBlitz: This one is open to everyone! Join the iNaturalist project "CFO-WFO 2023" and start reporting what you see. Prizes awarded at the Banquet. (More information on the convention website).

More options may be added. You can find the latest and more details on the convention webpage: cobirds.org/current-convention/#youth-student

Field Trip Descriptions

All field trips will meet in Kokopelli Trail (in the convention center). Anyone planning on driving a carpooling vehicle should park in the Flyer Lot or at Element 29 Hotel. Please arrive to meet your group 15 minutes prior to the listed trip departure time. Make sure you have picked up or brought your breakfast and lunch prior to meeting your group.

Plan for the carpool group to reimburse the driver at the rate of 50 cents per mile. The driver is included in the calculations when figuring out the per person costs.

Trip Fees – Some trips have additional fees associated with them to cover entrance fees or related costs. These are indicated with each trip description and will be added when you register for the conference.

THFT1, SAFT 2 – All trips have an alpha-number code in their description. Please reference this code if you are registering or asking a question about a trip since several trips are being offered on multiple days.

Difficulty Ratings

Easy: mostly flat on solid surfaces, less than one mile walking

Medium: walking could include some moderate elevational changes at slower speeds, trails may be uneven, walking less than 2 miles

Difficult: 1000-foot elevational walking at slow speeds, uneven trails, could walk as much as three miles.

Thursday

THFT1 The Best of Jackson County

Easy

Chuck Hundertmark & TBA

5:00 am - 4:00 pm

Explore North Park, the fourth least populated county in Colorado. It is home to breeding Greater Sage-Grouse, California Gulls, American White Pelicans, Willets, and a great place to look for Moose. This elevated basin is surrounded by mountains which offer a great variety of birds. Over 275 species have been recorded in this northern county. We will visit Walden Reservoir, Arapaho National Wildlife Refuge, several sloughs and wetlands, sagebrush elevated prairie, and spruce fir forest. Target species include California Gull, Veery, Canada Jay, Sage Thrasher, Willet, other breeding shorebirds, ducks, flycatchers, and 9 species of sparrows. Don't miss this trip!

THFT2 Antero Reservoir and the Best of Park County

Medium easy

Don Marsh & TBA

5:15 am - 4:00 pm

The picturesque Park County, which is larger than the state of Delaware, is in the geographical center of Colorado. It is known as South Park. (not that South Park) This high elevation valley is surrounded by mountains and full of wildlife. Antero Reservoir is

shallow and rimmed by mudflats. We should see every duck, grebe, and shorebird nesting in this type of habitat. High Creek Fen Preserve, owned by The Nature Conservancy, is the most ecologically diverse, floristically rich fen known to exist in the southern Rocky Mountains. The flowers should be in full bloom. Mountain Plovers breed in the uplands which we will try to find. To round out our day, we will head up Boreas Pass Road looking for mountain species including American Three-toed Woodpecker and many others. Be ready for birds, flowers, and fun!

THFT3 Grand County Big Day

Easy

Helen Butts & TBA

5:15 am - 4:00 pm

Join us for a big day for species in this stunning county north of Frisco. Target birds include a combination of mountain, high plain, and riparian species. Grand County houses the headwaters of the Colorado River, the entire west slope of Rocky Mountain National Park, several large reservoirs, the largest natural lake in the state, a superb patch of road-accessible tundra, and a fantastic representation of Colorado species. Pine Grosbeak, American Three-toed Woodpecker, Red-naped and Williamson's sapsuckers, Cassin's Finch, Canada Jay, Red Crossbill, Woodhouse Scrub-Jay, Black-throated Gray Warbler are all possible. We may not get them all, but the day will be grand! ***This trip will include a visit to a State Wildlife Area. Colorado requires that all individuals 16 years and older have a valid SWA pass, hunting, or fishing license for entry. [SWA Info](#).

THFT4 Red Rocks and Genesee Mountain Park

Medium easy

TBA & TBA

5:30 am - 4:00 pm

This trip is perfect for adjusting to Colorado's elevation. Where the prairie meets the Rocky Mountains, that is where Red Rocks Park is located. This premier foothills habitat offers not only beautiful scenery, but amazing birds. As we stroll around the park, be prepared for Peregrine Falcon, Canyon Wren, Lazuli Bunting, Black-headed Grosbeak, and Woodhouse's Scrub-Jays among many others. Genesee Mountain Park sits in the middle of montane habitat and even has a Bison herd, our national mammal. Expect to see Green-tailed Towhee, Williamson's Sapsucker, Western Bluebird, flycatchers, and all three nuthatches. History, scenery, lower elevation, and great birds, how can you go wrong with this trip?

THFT5 Sylvan Lake SP, Crossbills, and Hummingbirds

Medium

JoAnn Potter Riggles & Diana Beatty

5:30 am - 4:00 pm

Starting in Eagle, we stop at our trip leader's house where four species of hummingbirds are possible. (Black-chinned, Broad-tailed, Rufous, and Calliope) After our hummingbird fun, we head up to Sylvan Lake SP. The 1.5 mile trail circumvents the lake with views of the White River NF and Sylvan Lake. Aspen groves, open fields, riparian edge, Douglas Fir, Juniper, Spruce, and Lodgepole Pine habitats are all accessible on this trip. We will add about another 1.5 miles walking along the road edge to maximize species. Cassia Crossbills were seen here last summer in small numbers so keep your ears open. State

Park Pass required for entry. Targets include Cassia Crossbill, American Three-toed Woodpecker, MacGillivray's Warbler, Golden-crowned Kinglet, Hammond's Flycatcher, Red-naped Sapsucker, and lots of hummingbirds. ***This trip visits a state park with an entry fee. The driver must have a Colorado State Park pass, or pay an entry fee.

THFT6 Independence Pass and Twin Lakes

Medium easy

Peter Burke & TBA

5:45 am - 4:00 pm

The beautiful Independence Pass, Lost Man Reservoir, Twin Lakes, Mt. Elbert Forebay, and Hayden Meadows Recreation Area are all located in Pitkin and Lake counties. The pass is on the continental divide at 12,095 feet and hugs the Roaring Fork River as it winds up, over, and around. This road is steep, narrow, and twisty so mountain drivers are needed. Rocky cliffs, aspen groves, mountain lakes, grassy meadows, amazing scenery, and great birds are your reward. Targets include Brown-capped Rosy-Finch, Dusky Grouse, Sapsuckers, California Gull, Green-tailed Towhee, Mountain Bluebird, Sage Thrasher, Fox Sparrow, plus many others.

THFT7 Cassia Crossbill Hunt

Medium

Jessie Barry & Chris Wood

5:45 am - 4:00pm

Last summer Cassia Crossbills were first documented in Colorado in several mountain counties around the convention site. Crossbills move around depending on available food sources. Colorado birders will be looking and listening for these rare birds in the early summer. As a result, the locations of this field trip will depend on where the crossbills are being seen. More than likely, we will need to do some hiking up-slope to a beautiful spot. In this habitat, any montane and subalpine species could be possible. The trip leaders will add other interesting hotspots to fill out the itinerary.

THFT8 Ptarmigan and Rosy-Finches oh my!

Hard

TBA & TBA

6:00 am - 4:00pm

To find White-tailed Ptarmigan and Brown-capped Rosy-Finches, we will drive up to the top of Loveland Pass. At 11,990 feet and on the continental divide, we are sure to have great views of the Rocky Mountains. We will look closely at every rock to see if it moves. If it does, BINGO. American Pipits won't disappoint as they often sing from perches or give their flight call overhead. Rosy-Finches often scratch on open ground looking for seeds. At this elevation, we do a lot of standing. About 100 yards from the parking area is a small lake, Pass Lake Trail, that some might want to check out. Soda Creek Inlet, Dillon Nature Preserve, and the Wildernest feeders will round out our adventure.

THFT9 Berthoud Pass and the Colorado River

Medium easy

Ted Floyd & TBA

6:45 am - 4:00 pm

Join Ted Floyd & friends for birding and butterflying at various spots along U.S. 40 in Grand County. Our route will take us from the continental divide at Berthoud Pass (el. 11,307 ft.) to Windy Gap Reservoir at the confluence of the Fraser & Colorado rivers (el.

7,935 ft.). We will go through great habitat for American Three-toed Woodpecker, Canada Jay, and Pine Grosbeak. We'll take extra time with any crossbills, and we'll get an appreciation for geographic variation in western birds like Swainson's Thrushes, White-crowned Sparrows, Wilson's Warblers, and more. The butterflying is superb, and moose sightings are possible.

THFT10 Mount Evans and the Elusive Ptarmigan

Hard

Sue Riffe & TBA

\$10

7:00 am - 4:00 pm

Mount Evans Scenic Byway climbs 7,000 ft. on your way up to simply amazing views of the Rocky Mountains. It is the highest paved road in the U.S and a great spot to find subalpine and alpine species. We will slowly walk about one mile on the Summit Lake Trail, visit an alpine lake, and scan alpine tundra for our targets. In addition, we have a better than average chance of seeing Yellow-bellied Marmots, Mountain Goats, Bighorn Sheep, and prime time for alpine flowers. Bird targets include Brown-capped Rosy-Finch, White-tailed Ptarmigan, American Pipit, subalpine species and many others. The extra \$10 trip fee will cover entry to Mt. Evans.

THFT11 Accessible Birding for All

Easy

TBA & TBA

7:00 am - 4:00 pm

Clear Creek Greenway offers 39 miles of paved trail spanning all across Clear Creek county. We will explore two sections. The first is the Oxbox section with elevations 6,850 down to 6,790, a 10 foot wide ADA paved path, along the Clear Creek River. Foothill birds are the target. The second section is called Bakerville. This newly paved section gives us access to Subalpine species. Additional stops include the town and lake of Georgetown, and the lower part of Guanella Pass Road as time permits. All birding locations are on ADA accessible paved trails or standing/sitting along the road. All abilities welcomed. Targets include White-throated Swift, swallows, Black-chinned Hummingbird, American Dipper, Green-tailed Towhee, Lesser Goldfinch, Bullock's Oriole, Lazuli Bunting, Black-headed Grosbeak, Cordilleran Flycatcher, Warbling Vireo, Western Tanager, and Yellow Warbler.

THFT12 Grand County Big Day (Youth/Students)

Medium

David Tønnessen & TBA

5:00 am - 4:00 pm

Here we'll bird a great diversity of habitats all within Grand County to see as many species as possible while targeting Rocky Mountain species like American Three-toed Woodpecker, Pine Grosbeak, American Dipper, and crossbills. We start the morning in Berthoud Pass, then bird the Fraser River Trail for riparian species, bird some reservoirs including Windy Gap Reservoir and end the day in lower-elevation pinyon-juniper habitat for species such as Juniper Titmouse and Black-throated Gray Warbler. This trip is open to youth and student participants ages 12-22 (and accompanying parent/guardian, if desired). ***This trip will include a visit to a State Wildlife Area. Colorado requires that all individuals 16 years and older have a valid SWA pass, hunting, or fishing license for entry. [SWA Info](#).

Friday

FRFT1 Red Rocks and Genesee Mountain Park

Medium easy

Kyle Carlsen & TBA

5:15 am - 11:00 am

See Thursday for full description.

FRFT2 Independence Pass and Twin Lakes

Medium easy

TBA & TBA

5:30 am - 11:00 am

See Thursday for full description.

FRFT3 Rafting the Upper Colorado River

Medium

Megan Jones Patterson & TBA

\$90

5:30 am - 12:00 pm

This gentle 3-hour float down the scenic Colorado River provides beauty, a little adventure, and fun birds. Beginning rafters will be right at home on this river section. 'Upper C' offers mild rapids, spectacular wildflowers, sheer granite canyon walls, a riparian corridor, and forests of spruce and Douglas fir. You will get wet so plan your gear and clothing carefully. Bring dry clothes for the ride back to Copper. Wetsuits, helmets, and life jackets are included in the cost. This half day trip might return a little late.

FRFT4 Cassia Crossbill Hunt

Medium

Diana Beatty & TBA

5:45 am - 11:00 am

See Thursday for full description.

FRFT5 Newman Ranch and lots of Hummingbirds

Medium

JoAnn Potter Riggle & Sue Riffe

\$10

5:45 am - 11:00 am

Pinyon Juniper habitat is the prize for picking this field trip on the private Newman Ranch. Juniper Titmouse, Rock Wren, Black-throated Gray Warbler, Gray, and Ash-throated Flycatchers should be tallied. Open field sparrows should be abundant with Mountain Bluebirds and Bullock's Orioles providing lots of color. A 3-mile loop hike will give us access to these hard to see species. Bring plenty of water. Finally, we head to the trip leader's house for a hummingbird party where four species are possible (Broad-tailed, Black-chinned, Rufous, and Calliope).

FRFT6 Ptarmigan and Rosy-Finches oh my!

Medium Hard

Peter Burke & TBA

6:00 am - 11:00 am

To find White-tailed Ptarmigan and Brown-capped Rosy-Finches, we will drive up to the top of Loveland Pass. At 11,990 feet and on the continental divide, we are sure to have great views of the Rocky Mountains. We will look closely at every rock to see if it moves. If it does, BINGO. American Pipits won't disappoint as they often sing from perches or

give their flight call overhead. Rosy-Finches often scratch on open ground looking for seeds. At this elevation, we do a lot of standing. About 100 yards from the parking area is a small lake, Pass Lake Trail, that some might want to check out. We conclude our trip at the Wildernest area feeders.

FRFT7 Mount Evans and the Elusive Ptarmigan

Hard

Jessie Barry & Chris Wood

\$10

7:00 am - 11:00 am

See Thursday for full description.

FRFT8 Accessible Birding for All

Easy

TBA & TBA

6:45 am - 11:00 am

Clear Creek Greenway offers 39 miles of paved trail spanning all across Clear Creek county. We will explore the Oxbox section with elevations 6,850 down to 6,790, a 10 foot wide ADA paved path, along the Clear Creek River. Foothill birds are the target. Additional stops include Georgetown Lake and the lower part of Guanella Pass Road. All birding locations are on ADA accessible paved trails or standing/sitting along the road with all abilities welcomed. Targets include White-throated Swift, swallows, Black-chinned Hummingbird, American Dipper, Green-tailed Towhee, Lesser Goldfinch, Bullock's Oriole, Lazuli Bunting, Black-headed Grosbeak, Cordilleran Flycatcher, Warbling Vireo, Western Tanager, and Yellow Warbler.

FRFT9 Chairlift to the Top of Copper Mountain

Easy

Don Marsh & TBA

\$15

9:30 am - 12:00 pm

Enjoy a relaxing morning of birding with amazing views up Copper Mountain. We take a chairlift ride on the Woodward Express leaving from the West Village, walking distance from the hotel. This quad lift goes up 1009 feet where we can explore a nice mix of upper montane and subalpine species. We should see a mix of wildflowers so bring your camera. Feel free to come down the mountain any time.

Saturday

SAFT1 Red Rocks and Genesee Mountain Park

Medium easy

Sue Riffe & TBA

5:15 am - 11:00 am

See Thursday for full description.

SAFT2 Independence Pass and Twin Lakes

Medium easy

TBA & TBA

5:30 am - 11:00 am

See Thursday for full description.

SAFT3 Rafting the Upper Colorado River

Megan Jones Patterson & TBA

5:30 am - 12:00 pm

See Friday for full description.

Medium

\$90

SAFT4 Cassia Crossbill Hunt

TBA & TBA

5:45 am - 11:00 am

See Thursday for full description.

Medium**SAFT5 Newman Ranch and lots of Hummingbirds**

JoAnn Potter Riggle & Linda Lee

5:45 am - 11:00 am

See Friday for full description.

Medium

\$10

SAFT6 Ptarmigan and Rosy-Finches oh my!

Diana Beatty & TBA

6:00 am - 11:00 am

See Friday for full description.

Medium Hard**SAFT7 Mount Evans and the Elusive Ptarmigan**

Don Marsh & TBA

7:00 am - 11:00 am

See Thursday for full description.

Hard

\$10

SAFT8 Chairlift to the Top of Copper Mountain

Peter Burke & TBA

9:30 am - 12:00 pm

See Friday for full description.

Easy

\$15

SAFT9 Kite Lake Ptarmigan & Rosy-Finches (Youth/Student) Medium Hard

Chris Wood & Jessie Barry

6:00 am - 11:00 am

To find White-tailed Ptarmigans and Brown-capped Rosy-Finches, we'll hike the scenic Kite Lake trail in alpine tundra. American Pipits also breed here, and it is a great opportunity to find the many unique alpine butterfly and wildflower species found in this scenic environment. On our way back downhill we will bird forest roads for other Rocky Mountain species like American Three-toed Woodpecker, Canada Jay, Dusky Grouse, and crossbills. This trip is open to youth and student participants ages 12-22 (and accompanying parent/guardian, if desired).

Sunday**SUFT1 The Best of Jackson County**

Nick Komar & TBA

5:00 am - 4:00 pm

Easy

See Thursday for full description.

SUFT2 Antero Reservoir and the Best of Park County

Medium easy

Sue Riffe & TBA

5:15 am - 4:00 pm

See Thursday for full description.

SUFT3 Grand County Big Day

Easy

Kyle Carlsen & TBA

5:15 am - 4:00 pm

See Thursday for full description.

SUFT4 Red Rocks and Genesee Mountain Park

Medium easy

TBA & TBA

5:30 am - 4:00 pm

See Thursday for full description.

SUFT5 Sylvan Lake SP, Crossbills, and Hummingbirds

Medium

JoAnn Potter Riggles & TBA

5:30 am - 4:00 pm

See Thursday for full description.

SUFT6 Independence Pass and Twin Lakes

Medium easy

Diana Beatty & TBA

5:45 am - 4:00 pm

See Thursday for full description.

SUFT7 Cassia Crossbill Hunt

Medium

TBA & TBA

5:45 am - 4:00pm

See Thursday for full description.

SUFT8 Ptarmigan and Rosy-Finches oh my!

Hard

TBA & TBA

6:00 am - 4:00pm

See Thursday for full description.

SUFT9 Berthoud Pass and the Colorado River

Medium easy

Ted Floyd & Don Marsh

6:45 am - 4:00 pm

See Thursday for full description.

SUFT10 Mount Evans and the Elusive Ptarmigan

Hard

TBA & TBA

7:00 am - 4:00 pm

See Thursday for full description.

\$10

SUFT11 Butterflies of the Rockies**Medium easy**

Christian Nunes & TBA

9:00 am - 4:00 pm

The Colorado high country is blessed with a variety of sub-alpine and alpine butterfly species. We will seek out species like Bog Fritillary, Northern Grizzled Skipper, and the Arctic Blue. We'll visit Shrine Pass, Julia's Deck, and explore additional environs along Shrine Pass Road. Bring your camera to work on your macro photography skills! Shrine pass is only 8 miles from Copper, along a well-maintained dirt road. Butterflies are slow to rise in the cool mountain mornings, so we'll depart after most of the bird trips. Some off-trail walking on uneven ground, but only short forays from the car with small elevational changes. Some wet ground may be encountered; waterproof hiking shoes are recommended.

****SUWS1**** Sunday field portion of Saturday's workshop The Power of Pinyon Jay Community Science (SAWS2). If you register for SUWS1, do not register for a different Sunday field trip as the trips are concurrent.

Workshop Descriptions

Friday AM Workshops

These workshops overlap with Friday field trips. You must choose to attend either of these workshops or a Friday field trip.

FRWS1 Ear-birding with Your Phone**Nathan Pieplow**

8:00-11:00

In Saturday morning's classroom session, Nathan Pieplow will discuss apps for recording and identifying birds with your phone, with special attention to Merlin Sound ID. If you have a favorite app for recording bird sounds, you can bring it and discuss; if you've never used your phone for recording, identifying, or making spectrograms of bird sounds, we will get you set up. All participants should bring an internet-enabled smart phone with them.

FRWS2 iNaturalist**Hannah Floyd**

8:00-11:00

Join high school senior Hannah Floyd (inaturalist.org/people/hannahfloyd_naturalist) for a hands-on and interactive tutorial on iNaturalist, a crowdsourced community-science initiative for documenting and learning about life on Earth. We'll go over the basics in a quick classroom session; next, we'll go outside and "iNat" butterflies, wildflowers, and of course, birds. Then, back in the classroom, we'll discuss iNat "best practices" and get experience with the bells and whistles of this ever-evolving resource for chronicling and understanding biodiversity. No experience necessary. Recommended: smartphone, camera.

Friday PM Workshops

These workshops overlap with portions of the science session and the Bird Sound ID Challenge.

FRWS3 Digiscoping 101

1:30-2:30

Clay Taylor

Join Swarovski's Clay Taylor for an introduction to the tools and techniques for digiscoping using your phone and scope.

FRWS4 Beginning eBird for iPhone and Android

2:30-3:30

Sue Riffe &

Megan Jones Patterson

Bring your smartphones as we take you from zero to creating your first checklist using eBird. You can do it! Please download the free eBird app before the workshop. We will also take you on a brief tour of the webpage. You will be amazed at all the information at your fingertips. If you have used eBird before, we can answer some more advanced questions, time permitting.

Saturday AM Workshops

These field trips overlap with Saturday field trips. You must choose to attend either of these workshops or a Saturday field trip.

SAWS1 Ear-birding with Your Phone - field session

8:00-11:00

Nathan Pieplow

On this follow-up trip to Nathan Pieplow's Earbirding With Your Phone workshop, participants will attempt to put their phones and apps to the test on real birds under field conditions. Participants in this workshop are expected to also attend the Friday Ear-birding workshop. Location will be provided during the Friday workshop.

SAWS2 The Power of Pinyon Jay Community Science

8:00-11:00

Ned Bohman,

John Boone, Elisabeth Ammon

Pinyon Jays have been experiencing major population declines, and due to a variety of environmental factors, the reasons are still not completely understood. Because of their incredibly complex life history, standard survey techniques cannot capture the information land managers need to act on. Community Science is an increasingly used data collection technique, that Great Basin Bird Observatory has employed to help leverage data collection capacity on Pinyon Jays. At this workshop, Great Basin Bird Observatory will cover Pinyon Jay natural history, conservation concerns, history of the community science program, and discuss how the program works. Participants will be able to attend a follow-up all-day field trip on Sunday. Details will be provided at the Saturday workshop.

Note: If you want to attend the Sunday follow-up field trip, sign up for the Sunday workshop - **SUWS1**. This trip is only open to participants of SAWS2 or those who attended the April 10 & 11, 2023 Pinyon Jay project online trainings.

Saturday PM Workshops

These workshops overlap with portions of the science session and the Bird Photo ID Challenge.

SAWS3 How to Start Learning Bird Songs

Sue Riffe

2:30-3:30

Do you have a hard time learning bird songs? Well, this is the introduction you need to begin your journey. Sue has picked some of the most common songs that you should hear at this convention. We approach songs using a variety of tools to find works best for you. Give it a try!