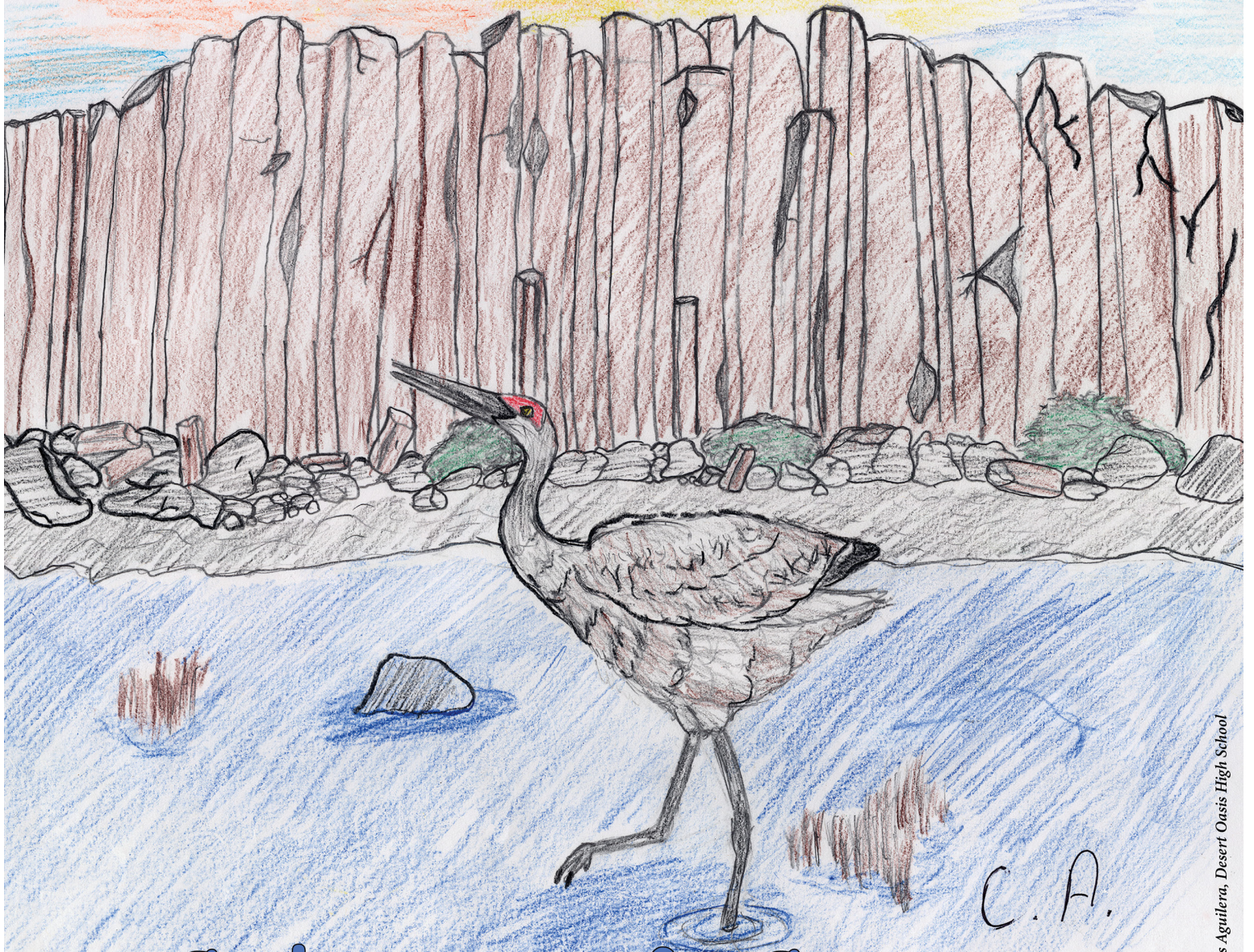


2022 Othello Sandhill Crane Festival



C.A.
Columns & Cranes
March 25 - 27, 2022



SANDHILL
CRANE
Festival

Register online at our website!

Website: othellosandhillcranefestival.org

Follow us on Facebook

<https://www.facebook.com/Othello-Sandhill-Crane-Festival>

Have questions? Need Help?

Give any one of us a call!

Othello Sandhill Crane Festival

(509) 989-5606

othellocranefest@gmail.com

The Old Hotel Art Gallery

33 E Larch St.

(509) 488-5936

Tuesday - Saturday: 10:00 AM – 5:00 PM

theoldhotel@outlook.com

ABOUT OUR COVER

Carlos Aguilera, an 18-year-old student at Desert Oasis High School (here in Othello), created our poster artwork this year. He has lived in Othello his entire life and resides with his parents and sister. He plans to attend college after high school, and wants to become a mental health counselor.

Carlos has always had an interest in drawing, filling sketchbooks with his drawings. His art teacher, Mrs. Garza, gave his art class an opportunity to enter our poster contest. He did not expect to win the \$500 prize for having his artwork chosen. "When my parents walked into class on the day you announced the winner, I was super surprised! I'm just over all really happy I got an opportunity to step outside of my comfort zone. I have never entered any kind of contest or even showed much of my art to anyone," he said of this experience.

OTHELLO SANDHILL CRANE FESTIVAL

March 25, 26, and 27, 2022

(509) 989-5606

www.othellosandhillcranefestival.org

ABOUT OUR FESTIVAL

This is our 24th annual Othello Sandhill Crane Festival!! Founded in 1998, the Othello Sandhill Crane Festival highlights the spring return of Sandhill Cranes to the greater Othello area and Columbia National Wildlife Refuge. Lectures will be delivered on Friday night and Saturday, whereas tours will be offered on Friday, Saturday and Sunday.

Our Festival has changed venues this year with the hopes of improving room size, audience capacity, and space. Othello is a small town, please be patient with us.

Since its beginning, the Festival has been financially supported by the city of Othello through tourism development funds (hotel/motel taxes) and logistically supported by Othello School District and Columbia National Wildlife Refuge and Grant

County Conservation District provides additional financial support and administrative guidance.

The Othello Sandhill Crane Festival Committee is made up of volunteers who plan, organize and conduct the event. Funds generated from fees are re-invested into the Festival each year. We look forward to your visit!



Photo courtesy of Thiru Sankaran

FOR YOUR SAFETY – PLEASE READ

This year Masks will be required inside all buildings at all times and during all bus tours, Because of

Restrictions there will be ONLY 25 people on the bus tours and they will need to show proof of vaccination on bus tours.

The Othello Sandhill Crane Festival sponsors viewing tours in order for Festival participants to view wildlife in a safe and manageable way.

For your safety and the consideration of others, please do not follow our tour buses while at the Festival. Our tour guides often obtain permission from landowners in advance to allow tour buses on private property, but this permission does not extend to visitors in private vehicles.

If you would like to view wildlife on your own, please ask the wildlife guides at the Festival or at The Old Hotel and Art Gallery for the latest sightings. This will allow all to safely enjoy the wildlife resources of the area.

Our lecture rooms each have a maximum capacity, thus we cannot accommodate attendees past that number. *Lectures are available on a first-come, first-served basis.* We apologize if the lecture you want to attend is already full.

IN MEMORIAM: MARIE LOTZ 1970-2021

Board member Marie Lotz passed away on Christmas morning at the young age of 51 years. She was diagnosed about a year and a half ago with bone cancer. She traveled to Phoenix for treatments and was so hopeful that she would beat this cancer. Marie was thankful and positive every time we visited with her. She has been the backbone to the Othello Sandhill Crane Festival for many years. She kept the records, organized the website, developed the brochure, expanded the speakers' list, and the tours.



In Marie's professional life she worked for the Grant County Conservation District (GCCD). Through her hard work and dedication, she was promoted to district manager of the GCCD. She was instrumental in developing, implementing, and managing many programs and countless other conservation district projects and activities. One of the programs that she supported through the GCCD was the Othello Sandhill Crane Festival as part of their educational outreach.

The success of our festival is due in large part to Marie's steadfast efforts. Her approach to the festival was always "we've got this and we can do it". The heart of her spirit and her legacy will always be with us.

FEATURED SPEAKER

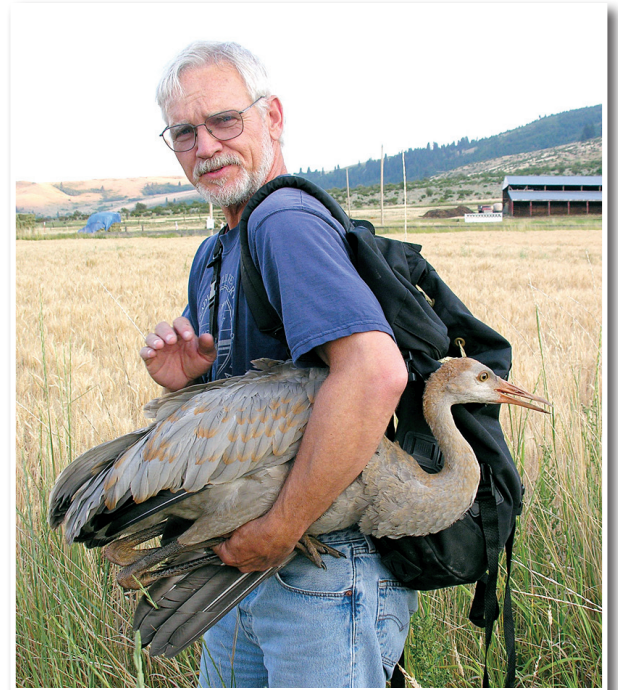
FRIDAY NIGHT

GARY IVEY

“Sandhill Cranes of the Pacific Flyway”

Dr. Gary Ivey will talk about the sandhill crane populations that breed and stage in Washington State and the broader Pacific Flyway. He will discuss the migration routes, wintering and breeding areas of the 3 subspecies that visit the state. He will speak about their behavior, biology and conservation measures in the Pacific Flyway and the Othello area.

Dr. Gary Ivey works with the International Crane Foundation as a Research Associate and is an expert on sandhill cranes in the Pacific Flyway. He has worked with wildlife for over 35 years, concentrating his work on waterbirds, waterfowl and wetland conservation. He currently serves as President of The Trumpeter Swan Society and is leading efforts to restore breeding Trumpeter Swans to Oregon. He served for 20 years as a biologist at several western refuges, including 15 years at Malheur Refuge. He studied nesting ecology of Sandhill Cranes for his Master’s Thesis and wintering ecology of sandhill cranes for his PhD, both at Oregon State University. He is working to further the conservation of cranes, Trumpeter Swans and other waterbirds in Western North America.





SUPPORTING PARTNERS

Stans Merry Mart - Ace Hardware

Basin Pacific Insurance

Big Bend Electric Caring Neighbors

Central Basin Audubon Society

City of Othello

CliftonLarsonAllen LLP

Columbia Bank

Columbia Basin Health Association

Friends of the Mid - Columbia River

Wildlife Refuge

Grant County Conservation District

Greater Othello Chamber of Commerce

Ice Age Floods Institute

Lawrence Oil Company

MarDon Resort

MarJon Labor

McCain Foods

Othello School District

Othello Museum

Jane Grant

ProGene Plant Research

Reichert's Showhouse

RDO

Stevens Funeral Chapel

The Old Hotel Art Gallery

Time Out Pizza

US Bank

US Bureau of Reclamation

U.S. Fish and Wildlife Service

Washington State Fish and Wildlife

Grant County Tourism

ACCOMMODATIONS

Campgrounds:

Adams County Fairgrounds

820 Reynolds Road | Othello, WA

RV - Pay at Kiosk

Coyote Run RV Park

351 E Hawthorn Street | Connell, WA

877 273 9484

MarDon Resort

8198 Highway 262 E | Othello, WA

(509) 346 2447

RV and Cabins

Sage Hills Golf Course & RV

10400 Sage Hill Road SE | Warden, WA

(509) 349 2088

RV Park with 50/30 amp site

Lions Park

815 E Pine St. | Othello, WA

Self-contained RV's may park in the parking lot on the South side of the Park.

[No Hookups]

O' Sullivan Sportsman Resort

6897 WA-262 | Othello, WA

509-346-2447

The Last Resort RV Park

6996 Hwy-262 SE | Othello, WA

509-346-1657

Hotels and Motels:

Quality Inn

1020 E Cedar | Othello, WA

509-488-5671

Othello Inn and Suites

665 E Windsor St. | Othello, WA

509-331-5722

B&B's in Othello

Bella Suites

455 E Hemlock St. | Othello, WA

509-760-9116

Hotels in Moses Lake:

Ramada by Wyndam

1745 Kittleson Rd N | Moses Lake, WA

509-766-1000

The Inn at Moses Lake

1741 East Kittleson Rd | Moses Lake, WA

509-766-7000

Wingate by Wyndam

1735 Kittleson Rd | Moses Lake, WA

509-766-2000

Comfort Suites

1700 E. Kittleson Rd | Moses Lake, WA

509-666-8509

SATURDAY, MARCH 19th
(This field trip is a week before the Festival)

TIME	FIELD TRIPS	SPEAKERS AND LEADERS
10:00 AM – 11:30 AM	Nooks and Crannies of the Columns \$15	Jane Grant and Heidi Newsome

FRIDAY, MARCH 25th

TIME	FIELD TRIPS	LECTURES	SPEAKERS AND LEADERS
11:00 AM – 1:30 PM	Potholes Reservoir Boat Birding Tour \$70		Mike Denny (departs from MarDon)
2:00 PM – 4:30 PM	Potholes Reservoir Boat Birding Tour \$70		Heidi Newsome (departs from MarDon)
3:30 PM – Dark	Tonnemakers Hill Farm Tour \$15		Tonnemakers Hill Farm
4:00 PM – Dark	Basalt Columns and Wildlife Hike \$15		Randy Hill
7:30 PM – Done		Sandhill Cranes of the Pacific Flyway	Gary Ivey
EAGLES LODGE DINNER 5:00 PM – 8:00 PM. \$15			

SATURDAY, MARCH 26th

General Admission \$12, ages 12 and under free with paid adult

ROTARY BREAKFAST 6:30 AM to 9:00 AM \$7 Large \$5 Small			
BAGGED LUNCHES (Vegetarian, Turkey and Ham) \$12			
TIME	FIELD TRIPS	LECTURES	SPEAKERS AND LEADERS
8:45 AM – 12:30 PM	Biking for Cranes Tour \$15		Pete Perez
10:00 AM - 11:00 AM	Neighborhood Bird Walk		Mike Denny
11:00 AM – 2:00 PM	Spotting Scope at Marsh Unit #1		Randy Hill
1:00 PM – 2:00 PM	Othello Community Museum Tour		Eric Morgan
9:10 AM – 10:00 AM		Introduction to eBird	Jason Fidorra
10:30 AM – 11:30 AM		Columbia Mammoth	Gary Kleinknecht
12:15 PM – 1:15 PM		Optics 101	Jim Danzenbaker
1:45 PM – 2:45 PM		Incredible Drumheller Channels	Bruce Bjornstad
3:00 PM – 4:00 PM		How the Ice Age Floods Changed the Course of the Palouse River	Lloyd Stoess
4:30 PM – 5:30 PM		Movie: Secret Life of the Deserts; Deserts of the Pacific Northwest. \$7	Reichert's Showhouse & Mike Denny

SUNDAY, MARCH 27th

BAGGED LUNCHES (Vegetarian, Turkey and Ham) \$12		
TIME	FIELD TRIPS	LEADERS
7:00 AM – 12:00 PM	Royal Slope Birding Tour (Bus) \$50	Randy Hill
7:30 AM – 3:30 PM	Lower Crab Creek Birding Tour (Bus) \$60	Mike & MerryLynn Denny
8:15 AM – 4:00 PM	Palouse Falls Tour (Bus) \$60	Lloyd Stoess & Ken Lacy
9:00 AM – 3:00 PM	Basalt Columns in Drumheller Channel Hike (Bus) \$40	Bruce Bjornstad
9:30 AM – 3:00 PM	Dry Falls Hike – Sun Lake State Park \$15	Brent Cunderia (meet at Dry Falls)
9:30 AM – 3:00 PM	Hanford Reach Interpretive Center & Coyote Canyon \$25	Gary Kleinknecht (meet at THE REACH)
11:00 AM – 1:30 PM	Potholes Reservoir Boat Birding Tour \$70	Levi Meseberg (departs from MarDon)
1:00 PM – 2:00 PM	Othello Community Museum Tour	Eric Morgan (meet at Othello Museum)
2:00 PM – 4:30 PM	Potholes Reservoir Boat Birding Tour \$70	Levi Meseberg (departs from MarDon)

EVENT DESCRIPTIONS

Buses will normally load 10 to 15 minutes before the scheduled departure time. Be sure to board your bus no later than five minutes prior to departure time. General Admission gets you into the Festival all day Saturday for all the events and lectures. **Masks and proof of Vaccination will be required on the buses. For safety, bus tours will be limited to 25 people.**

Saturday, March 19th Tour

This tour will caravan from The Old Hotel Art Gallery

Nooks and Crannies of the Columns Hike – Depart from The Old Hotel Art Gallery, 33 E. Larch, 10:00 AM to 11:30 AM. \$15.00. Join local naturalist, Jane Grant, and biologist, Heidi Newsome, on this off trail walk. One of the highlights of the Columbia National Wildlife Refuge are the basalt columns. Beyond the geologic interest is the contribution the formations make to diverse lifeforms. Unlike a moonscape, this environment around the talus slopes and columns are filled with interesting flora and fauna. Hiking shoes and walking stick are recommended.

Friday, March 25th Tours and Events

All Friday tours depart from their respective tour locations.

Potholes Reservoir Boat Birding Tour - Departs from MarDon Resort, 8198 WA Highway 262, Othello, WA 11:00 AM to 1:30 PM and again at 2:00 PM to 4:30 PM. \$70.00. Join well-known and respected birder Mike Denny on boat tours of Potholes Reservoir. This boat trip explores bird life in early spring on Potholes Reservoir and concentrates on the bays where waterfowl, grebes, shorebirds, herons, and eagles might be found. A map to the resort will be supplied with your registration confirmation. Please dress accordingly as it may be very cold and/or rainy this time of year.

Tonnemakers Hill Farm and Mammoth Dig Tour – Meet at Tonnemakers, 9098 Dodson Rd. S, Royal City, 3:30 PM to Dark. \$15.00. Tonnemakers Hill Farm has been a popular tour in the past. The farm was founded in 1962 by Pearl and Orland Tonnemakers and is now managed by their grandson Kole. They farm a relatively low acreage for the area (126), but organically cultivate thousands of varieties. Of particular note are the sweet and hot peppers, of which they grow more than 300 varieties. Those who sign up to visit can look forward to a tour of the orchard and greenhouses. You will also look at the Columbian Mammoth dig site and some of the bones recovered after discovering it by chance in the spring of 2015. There will be a discussion on some of the history and geology of the area and what we know about the mammoth thus far. Further information about the farm can be found at www.tonnemaker.com.

Basalt Columns and Wildlife Hike - Meet at Columbia National Wildlife Refuge Headquarters, 4:00 PM to Sunset. \$15.00. Randy Hill, former refuge wildlife biologist, will share his knowledge of basalt column wildlife while hiking in the Columbia National Wildlife Refuge. Birds, plants and animals will be pointed out and discussed as well as their significance in the column geology of our region. There will be no restrooms on this hike; please plan accordingly.

Eagles Lodge Friday Night Dinner - 127 East Larch St., 5:00 PM until food is sold out. Attendees are invited to join the local Eagles Lodge for a spaghetti feed. The menu includes spaghetti with or without meat sauce, salad, garlic bread, coffee, and water, all for \$15.00 per meal. You may pre-order your dinner on the registration form online.

Friday Night Lecture

Held at Nazarene Church Sanctuary, 8355 10th Ave., 7:30 PM. Join Gary Ivey for his wonderful presentation: *Sandhill Cranes of the Pacific Flyway*.

Saturday, March 26th Tours and Events

Biking for Cranes Tour - Departs from the colorful shed in the rear parking lot of the Nazarene Church, 8:45 AM to 12:30 PM. \$15.00. Be ready to ride at 8:45 a.m. Enjoy a trip via bicycle with Pete Perez through some of the best wildlife viewing areas near Othello. The ride will be approximately 30 miles round-trip and consists of flat to rolling terrain on paved roads. Helmets are required, and you should bring plenty of water. Bring a bike that is in great working condition, and you should be able to complete the ride at 10 to 12 mph. A support vehicle will be provided for repairs and safety. The purpose of the bike ride is to see birds, we will be stopping regularly to view wildlife.

Saturday Lecture – 9:00 AM

Introduction to eBird by Jason Fidorra

eBird is a database of bird records and photos in an online program similar to listing software. It has become one of the most successful citizen science projects in the world.

Jason will go over some of the easy ways you can start using eBird to find birding hotspots, track your records, and view bird data on this FREE website and App, all while contributing to science and local conservation.

Jason Fidorra is a Wildlife Biologist for the Washington Dept. of Fish and Wildlife in Tri-Cities, WA. Jason is working on the front lines of shrub-steppe conservation which is critical habitat for



many of Washington's species of greatest concern. He conducts surveys for a variety of wildlife from elk to monarchs and contributes to research on burrowing owls, raptors, and game birds. Jason has worked on avian research and conservation projects across North America. When he can, enjoys birding and guiding in tropical countries as well.

Saturday Lecture – 10:30 AM

Columbia Mammoth by Gary Kleinknecht

This talk is about the discovery and excavation of a Columbian Mammoth, the official Washington State fossil. The project's working hypothesis is that this elephant died during, or because of, one of the Ice Age floods that dramatically reshaped the geography and geology of much of the Pacific Northwest.

This program includes a comparison of mammoths and modern elephants, an ongoing palaeoecological study of life in the Columbia Basin during and since the mammoth's burial, and an overview of education programs associated with the dig.

Gary Kleinknecht is a native Tri-Citian and retired high school teacher. Early in his career, he incorporated the story of the Ice Age floods into his Washington history course. He joined the Ice Age Floods Institute in 1999 and served as its president from 2004 until 2010. He continues to serve the IAFI as vice president. Gary is also Education Director for the Coyote Canyon Mammoth Site near Kennewick, WA. This paleontological all-volunteer project is excavating a 17,500-year-old Columbian Mammoth, which is buried in Ice Age floods sediments. Gary conducts tours for schools, private groups, and the public.



Saturday Lecture – 12:15 PM

Optics 101 by Jim Danzenbaker

Join Jim, a former on-the-road optics sales manager, to discuss the best optics to use when photographing wildlife, landscapes, or any variety of subjects in a wide range of environments.



Jim Danzenbaker is a lifetime birder who started out in southern New Jersey at the ripe old age of 6. His birding took him from some of his favorite locations in the eastern U.S. to hotspots all over the U.S. and eventually to Central and South America. After his neotropical birding experience increased, he began leading fellow birders to his favorite locations in Panama, Venezuela, and Ecuador, among other locales. He became a staff naturalist on an eco-tourism ship with destinations that included the Falkland Islands, South Georgia, and Antarctic Peninsula. He lectured on seabird identification and king penguin biology on these tours. He is currently retired and lives in Battle Ground, WA.

Saturday Afternoon Tours

Neighborhood Birding Walk, meet by the front doors of McFarland Middle School, 10:00 AM. Join avid Walla Walla birder, Mike Denny, for a casual walk from McFarland Middle School through nearby neighborhoods and parks. The walk is an opportunity to observe birds in residential settings. The walk is free of charge.

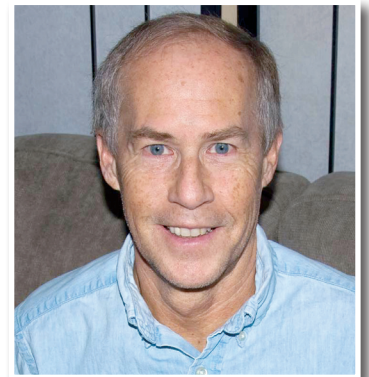
Spotting Scope, at Marsh Unit #1, 11:00 AM to 2:00 PM. Join Randy Hill, noted wildlife biologist, in using his spotting scope to observe cranes at Marsh Unit #1. This great overlook offers views of a favored location for cranes during the day. Randy requests that masks be worn and the scope not be touched while viewing. Please drop by, but parking is limited. This opportunity is free of charge. For full enjoyment at this site, bring your own binoculars.

Othello Community Museum Tour, meet at the Othello Community Museum, on the corner of 3rd and Larch in Othello, 1:00 PM to 2:00 PM. Join Eric Morgan, Board President of the Othello Community Museum, will give a guided tour through the facility, explaining the artifacts on display and the history of the museum and area. The collection includes a bird and egg collection amassed by a local farmer and donated to the museum. The tour is free of charge and will be repeated at the same time on Sunday.

Saturday Lecture – 1:45 PM

Incredible Drumheller Channels by Bruce Bjornstad

J Harlen Bretz first visited and recognized the importance of Drumheller Channels in his outrageous and controversial “Spokane Flood” hypothesis. Join me on an aerial tour of the Drumheller Channels that are preserved in much the same state as first studied by Bretz 100 years ago. Presented will be the overwhelming evidence for multiple Ice Age megafloods that carved out the complex maze of channels and temporarily hijacked the Columbia River.



Bruce Bjornstad is a licensed geologist/hydrogeologist and retired senior research scientist from Pacific Northwest National Laboratory. He received a Bachelor’s degree in geology from the University of New Hampshire and a Master’s degree in geology from Eastern Washington University. Over the last 40 years he has written numerous reports on the geology of the region as well as two geologic guidebooks, On the Trail of the Ice Age Floods; one focusing on the Mid-Columbia Basin, and the other on Northern Idaho. Bruce is also the creator of an online YouTube Channel titled: “Ice Age Floodscapes”. Most recently, Bruce has published a new, full-color, coffee-table-style book titled: “Ice Age Floodscapes of the Pacific Northwest: A Photographic Exploration”.

Saturday Lectures – 3:00 PM

How the Ice Age Floods Changed the Course of the Palouse River by Lloyd Stoess

Before the Ice Age Floods, there was no Palouse Canyon or Palouse Falls. The Palouse River entered the Columbia River at the present-day Tri-Cities. After the floods, the river had taken a short-cut, entering the Snake River through the Palouse Canyon some 50 miles upstream from the confluence of the Snake and Columbia Rivers. This presentation will show the evidence of the flood path and another element that was essential for this dramatic change. Without the two, the Palouse River would still be following its pre-flood course.



Lloyd grew up on a wheat farm eight miles from Palouse Falls but didn't learn about the Ice Age Floods until he attended Eastern Washington State College where he graduated in 1974 with a BA in Geography. After college, he returned to Washtucna to work with his father in the family ag equipment manufacturing business, where he still works today. He was introduced to the Ice Age Floods Institute (IAFI), became a charter member of the Cheney-Palouse Chapter, and helped found the Palouse Falls Chapter. He is involved with several other local organizations and civic groups.

Saturday Late Afternoon Movie

Secret Life of the Deserts of the Pacific Northwest, 4:30 PM to 5:30 PM, \$7.00, a small popcorn and soda



included. Take a break after a long day of lectures and tours to enjoy the viewing of this documentary film. Mike Denny will be available afterwards to talk about this movie and answer questions. This showing is at Reichert's Showhouse, 130 N. Broadway Ave., Othello, WA.

Sunday, March 27th Tours and Events

Most tours depart from the front doors at McFarland Middle School. When you return from your tour, McFarland Middle School will be closed. Tours departing from other locations are noted in the tour description.

Royal Slope Birding Tour, departs from MMS, 7:00 AM to 12:00 PM. \$50.00. This tour, guided by biologist Randy Hill, will visit Corfu, Crab Creek, Royal Slope, Royal Lake and Drumheller Overlook if time permits. It will concentrate on shrub-steppe areas and the Saddle Mountain ridge and its wide-open vistas. The goal is to see cranes, Loggerhead Shrike, Chukar and Tri-colored Blackbirds. **All attendees must have masks and proof of vaccination.** This trip will take about five hours, so don't forget to bring food and drink.

Lower Crab Creek Birding Tour, departs from MMS, 7:30 AM to 3:30 PM. \$60.00. This tour, guided by avid Walla Walla area birders Mike and MerryLynn Denny, will travel west along the Saddle Mountains, past Corfu and Crab Creek to several desert birding stops. The tour will also be looking for early-blooming native flowers and great photo opportunities along the way. **All attendees must have masks and proof of vaccination.** Bagged lunches are available for order on the registration form. This tour is almost eight hours in length, so bring food, drink, and walking shoes.

Palouse Falls Tour, departs from MMS, 8:15 AM to 4:00 PM. \$60.00. Lloyd Stoess and Ken Lacy will be your hosts on a tour of the route the Glacial Lake Missoula floodwaters followed through the lower Cheney-Palouse scablands. The catastrophic flooding amounted to as much as nine million cubic

meters of water per second, creating the landscape we see today throughout the Columbia Basin. View some of the most spectacular examples of flood-related geomorphologic activity found anywhere in the world. Highlights of the tour include the Palouse-Snake River Divide, Washtucna Coulee, Palouse Canyon, Mid-Canyon Bar, Devil's Canyon, and, of course, the spectacular Palouse Falls where we will have lunch. Typically, wild turkeys and deer are seen on the trip. Bagged lunches are available for order on the registration form. This tour is almost eight hours in length, so bring food, drink, and walking shoes.

Basalt Columns in Drumheller Channel Hike, departs from MMS, 9:00 AM to 3:00 PM. \$40.00. This moderately difficult 3-4-mile hike, led by geologist Bruce Bjornstad, will directly explore the flood channels (including former path of the Columbia River), potholes, erratics and streamlined basalt islands rimed with towering 50' basalt columns. One hundred years ago, J. Harlen Bretz recognized this area as one of the most spectacular examples of Ice Age Flood erosion in the Channeled Scabland. Note that there will be no restrooms available on this hike. Bagged lunches are available for order on the registration form. This tour is six hours in length, so bring food, drink and sturdy walking shoes.

Dry Falls - Sun Lake State Park, Meet at Dry Falls Visitor Center. 9:30 AM to 3:00 PM. \$15.00. The hike will be led by geologist Brent Cunderia. The "footsteps" here of the giant Pleistocene (Ice Age) floods are unmistakable. The area looks much like it did when catastrophic floods from self-dumping Glacial Lake Missoula ended. The geologic recency of the last flood (about 15,000 years ago) and the semi-arid climate contribute to the lack of major weathering and erosional modifications of the flood features here and elsewhere in the Columbia Plateau. A 400-foot-tall, abandoned cataract lies at the head of the Lower Grand Coulee and at the southwest edge of the Hartline Basin. Missoula floodwaters emerging from the mouth of the Upper Grand Coulee spread into the Hartline Basin, and concentrated its southward flow into the Lower Grand Coulee, Dry Coulee, and other channels.

Bagged lunches are available for order on the registration form. This tour is almost six hours in length, so bring food, drink and walking shoes.

Hanford Reach Interpretive Center and Coyote Canyon, Meet at The REACH Museum, 1943 Columbia Park Trail, Richland. 9:30 AM to 3:00 PM. \$25.00. Tour includes entrance fee into The REACH Museum. The Coyote Canyon Mammoth Site is an ongoing paleo-ecological excavation located southwest of Kennewick. The 17,449-year-old mammoth bones are buried in Missoula Floods sediments. Gary Kleinknecht will take you to the dig and Dig House, a 40 x 40 ft pole building set up as classroom, laboratory, and museum area. Dress according to the weather. Bagged lunches are available for order on the registration form. This tour is almost six hours in length, so bring food, drink and sturdy walking shoes.

Potholes Reservoir Boat Birding tour, Meet at MarDon Resort, 8198 WA 262, Othello, 11:00 AM to 1:30 PM and again at 2:00 PM to 4:30 PM. \$70.00. Join the Meseberg's on a boat tour of the Potholes Reservoir. This boat trip explores bird life in early spring on Potholes Reservoir, concentrating on the bays where waterfowl, grebes, shorebirds, herons, and eagles might be found. Please dress accordingly, as it may be very cold and/or rainy this time of year.

Othello Community Museum Tour, meet at the Othello Community Museum, on the corner of 3rd and Larch in Othello, 1:00 PM to 2:00 PM. Join Eric Morgan, Board President of the Othello Community Museum, will give a guided tour through the facility, explaining the artifacts on display and the history of the museum and area. The collection includes a bird and egg collection amassed by a local farmer and donated to the museum. The tour is free of charge and was repeated at the same time on Sunday.

Displays and festival activities occur all day Saturday and are included in the general admission into the festival.

Novelties - Available for sale all day Saturday. Don't forget to purchase your commemorative 2022 Sandhill Crane Festival items, including T-shirts, masks, pins, postcards, pens, and plush birds. These will be located in the Nazarene Church lobby.

Children's Programs - 10:00 AM to 2:00 PM in the McFarland Middle School Cafeteria on Saturday. Learning is fun for children and this year's programs at the Sandhill Crane Festival will provide entertainment along with education. Children will enjoy origami, a variety of crafts, creative painting projects, and much more. Mask making is also available in the Art room nearby. These events are free to children attending the Festival who are accompanied by a paying adult. Children taking part in all the activities will receive a prize, courtesy of the U.S. Fish and Wildlife Service.

Art Contest - The Old Hotel Art Gallery sponsors an art contest. All entries must feature nature and/or wildlife of the Columbia Basin. There are five grade categories: 2nd grade & under, 3-5 grade, 6-8 grade, 9-12 grade, and adult. Entries may include any media. First place in each category receives a prize. All artwork will be displayed at the Festival on Saturday. All art contest participants receive free general admission (when accompanied by an adult) to the Festival. For more information, please contact The Old Hotel at (509) 488-5936.

Othello Rotary Breakfast - 6:30 AM to 9:00 AM Saturday morning in the McFarland Middle School Cafeteria. The Othello Rotary will be offering pancakes, scrambled eggs, sausage, coffee, and juice. The price is \$5 for a small and \$7 for a large breakfast. No reservations necessary. Breakfast may be pre-ordered on the registration form online.

Bagged Lunches - Bagged lunches can be ordered for tours on Saturday and Sunday (pre-registration required) for \$12. The box lunch choices include

sandwiches of vegetarian, turkey, or ham on a home-made wheat bun; chips; applesauce; and a cookie. You may pre-order a bag lunch on the registration form. **We are going green and no longer include a bottle of water in our bagged lunches.** Please bring your own beverage or reusable water bottle to fill up at McFarland Middle School's water bottle filling station (opportunities to refill bottles are not available in the field.) Please remember to bring enough water to last the entire length of your tour. Bagged lunches can be picked up at Nazarene Church on Saturday and check in desk at McFarland Middle School on Sunday.

Food Trucks - There will be Food Trucks set-up between the Middle School and the Nazarene Church for lunches on Saturday. Types of food to available will be: **corndogs, BBQ, coffee and specialty drinks.**

The Old Hotel Art Gallery - Tuesday through Saturday from 10:00 AM to 5:00 PM. Weekend events at the gallery, located at 33 E Larch Street, include a wine tasting with local food sampling, featuring Gingko Forest Winery from Mattawa, on Saturday from 2:30 p.m. until 6:00 p.m. Available for purchase will be wines, local foods, Sandhill Crane jewelry, and books featuring: birds, wildflowers, local history, geology and Ice Age Floods. A fantastic selection of original art is offered, as well as handmade items, prints and cards. As an added attraction, the non-profit has a 1946 all-steel caboose built by the Milwaukee Railroad that has been turned into an interpretive museum and is located in the parking lot. The gallery also hosts a vendor booth at the Festival.

Visit Columbia National Wildlife Refuge - The refuge office will be CLOSED during the Festival. The Columbia NWR is located just off of S Morgan Lake Rd, amid rock rims, lakes, and broad expanses of sagebrush steppe. The refuge is a focal point for a large segment of the Pacific Flyway waterfowl migrating north, as well as wintering populations of many species. Take a self-guided vehicle tour of the refuge and adjoining lands to view wildlife and the magnificent geological features of the Ice Age Floods. The refuge headquarters is located 5.5 miles northwest of Othello.

Othello Community Museum - Friday-Sunday 10:00 AM to 5:00 PM. History comes alive for you at 3rd Avenue and Larch Street. Exhibits include the Milwaukee Railroad, the Columbia Basin Irrigation Project, antique tools, and more. The museum also has a variety of taxidermy birds from the area, as well as a comprehensive egg display. Guided tours are available free of charge at 1:00 p.m. on both Saturday and Sunday.

America's Oldest Operating Railroad Car - Saturday 9:00 AM to 5:00 PM. "The Abraham Lincoln" will visit Othello during the Crane Festival for free public tours. The century-old Denver and Rio Grande Western Railroad executive car will be located on

North Broadway and will be open. Built by the Pullman Company in 1910, the 90-ton antique is a fully restored example of the conservative elegance of the classic Mission Style. Visitors are welcome aboard to stroll back through time, enjoying a self-guided tour. Visit pullman-car.com for details on this unique and historical private railroad car.

FREE Photo Booth - 10:00 AM to 2:00 PM on Saturday. There will be a free photo booth to take your picture with a digitized Sandhill Crane in the background to take home as a memento. The photo booth will be setup in the cafeteria at McFarland Middle School.

**AS ALWAYS, PLEASE CHECK OUR WEBSITE FOR UPDATES AND AVAILABILITY OF TOURS AT:
othellosandhillcranefestival.org**

We're also on Facebook (Othello Sandhill Crane Festival)! "Like" our page to receive the latest updates and Festival news!

Facemasks are required at all Indoor Activities and Bus Tours. Because of Restrictions there will be ONLY 25 people on each bus tour and proof of vaccination required.

Wildlife and Agriculture in Othello

Although Othello is well-known for the spring Sandhill Crane Festival, birders also regularly travel to our area during the fall migration season. Our area is part of the great Pacific Flyway, an "interstate" for avian migration.

Thirty-two different types of mammals and over 200 species of birds have been observed at Columbia National Wildlife Refuge. At the height of the spring and fall migration, biologists have estimated the refuge is home to up to 100,000 birds.

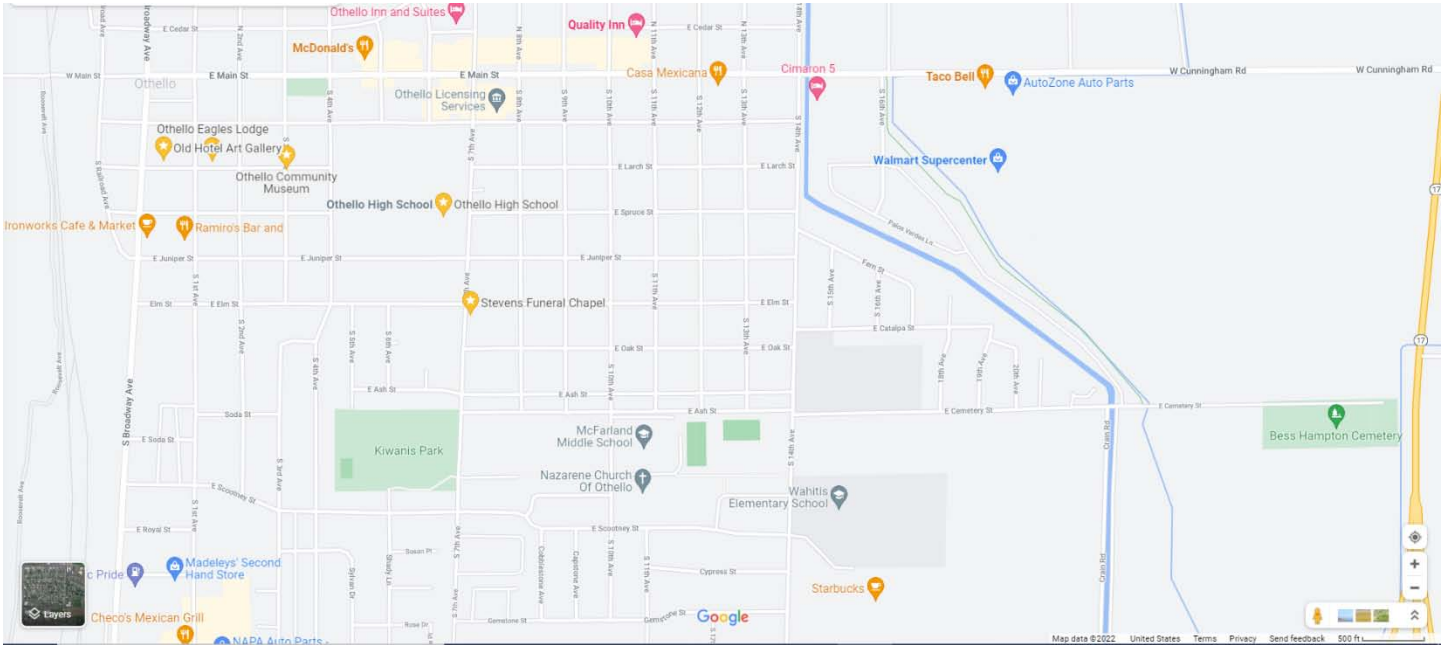
The diversity of wildlife in our area is matched only by the diversity of the crops grown here. Agriculture is also an important part of avian life in the Basin. Sandhill Cranes feast on leftover corn from fall harvest, and other crops grown here provide forage for many other species. Crops – wheat, alfalfa hay, potatoes, apples, spelt, grapes, cherries, melons, peas, onions, peaches, apricots, and nectarines, and seed crops like carrots and radishes – provide "leftovers" for many mammals and birds in our area. Nearly 800 acres of cropland are planted specifically as part of a program designed to maintain healthy waterfowl and crane populations.

According to Columbia National Wildlife Refuge, during fall and especially in March and April, refuge fields near Corfu, Road E SE, and Barton Road attract up to 60,000 Mallards, 30,000 Northern Pintails, 15,000 Sandhill Cranes, and 50,000 Canada and Cackling Geese. The delicate balance of nature and agriculture is an important one for our area, and the issue is one local farmers take very seriously. Our Festival enlists the help of dozens of local farmers each year—they not only provide valuable resources and time as Festival backers but volunteer to ride along on our tours to answer your questions.

Thanks for your interest in our Festival, and we hope to see you soon! Be sure to "like" the Festival's Facebook page (Othello Sandhill Crane Festival) for the latest updates and information.

IMPORTANT NOTE:
Brochure mailing is now only done by request.
2022 online registration opens February 15th.

MAP AND DRIVING DIRECTIONS



Driving Directions to McFarland Middle School (790 S 10th Ave., Othello, WA 99344)

From Moses Lake

Take Highway 17 south to Cunningham Road and turn right. Cunningham Road becomes Main Street when you get into Othello. Turn left at the light on 14th Ave, and then right on Ash St, left on 10th Ave.; McFarland Middle School is located on the left.

From Spokane

Take US Highway 395 south to US Highway 26 west. Follow Highway 26 to Othello. Turn right onto 14th Ave, follow 14th Ave., then left on Ash St., and then left on 10th Ave; McFarland Middle School is located on the left.

From Seattle

Follow I-90 east to Highway 26 east. Follow Highway 26 to Othello. Turn left onto 14th Ave., left on Ash St., and then left on 10th Ave; McFarland Middle School is located on the left.

From the Tri-Cities

Take US Highway 395 north to the Highway 17/ Othello exit. Follow Highway 17 north to Hwy 26 and turn left. Follow Highway 26 to 14th Ave., turn right onto 14th Ave. follow 14th Avenue, then left on Ash St., and then left on 10th Ave.; McFarland Middle School is located on the left.

Othello Sandhill Crane Festival

PO Box 542

Othello, WA 99344

509-989-5606



Clay Lewis

All events are a first-come, first-served basis. Reservations filled in the order received. All registrations is online @ www.othellosandhillcranefestival.org, and the deadline is March 15th, 2022 (no refunds after this date). Field trip participants must purchase a Saturday General Admission ticket. All tickets and wrist bands will be available at The Old Hotel on Friday the 25th from 10:00 AM to 5:00 PM and again at the Nazarene Church on Saturday the 26th at will call by the front doors. If you still have questions please call: (509) 989-5606

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Othello, WA

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