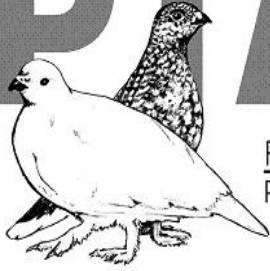


PTARMIGAN



FORT COLLINS AUDUBON SOCIETY
P.O. Box 271968 • Fort Collins, CO 80527-1968 • www.fortnet.org/Audubon

Promoting the appreciation, conservation, and restoration of ecosystems,
focusing on birds and other wildlife, through education, participation, stewardship, and advocacy.

November 2007

Volume 39, Issue 3

Rising Tides, Melting Glaciers And A Changing Planet

Are Humans Divorcing Mother Nature?

Join Daniel Glick, international journalist and award-winning author, for an evening of inspiration, education, and fine photography. He will discuss global warming as now evidenced in the Arctic and what we can do on a personal level to address this issue.

Glick's most recent article on polar bears and the Arctic is the cover story of the Nov/Dec 2007 issue of *Audubon*. He has written numerous articles focusing on environmental issues for *Smithsonian*, Jan. 2007, Pronghorn Migration in Wyoming; *National Geographic*, Jan. 2006, Lynx Reintroduction in Colorado, April 2006, Glen Canyon; *Audubon*, March/April 2006, Reintroduction of Mexican

Wolves. In addition he has written for Nature Conservancy, Harper's, Rolling Stone, New York Times Magazine, Washington Post Sunday Magazine, Outside, Esquire, Men's Journal, Sports Afield, National Wildlife and Wilderness.

Glick worked at Newsweek for 13 years, the first six as a Washington, D.C. correspondent and the last seven as a Colorado-based special correspondent covering the Rocky Mountain region. Glick is author of *Monkey*

Dancing, winner of the 2004 Colorado Book Award, an account of an around-the-world trip Glick took with his two children. "I seized upon a time of deep personal transition as an opportunity to show my children some of the world's vanishing wonder and hopefully, to show a universal path

towards reclaiming our connection to the natural world, and to each other."

Glick also wrote *Powder Burn: Arson, Money and Mystery on Vail Mountain*, an investigation into the costliest act of eco-terrorism in U.S. history. "I tried to show how the indiscriminate corporate drive to increase profits has serious social and environmental costs, even in small towns in the Rocky Mountains."

An avid outdoorsman experienced in climbing, hiking, skiing and kayaking, he has lived on four continents. Glick now resides in Lafayette, Colorado.

For more information about Daniel Glick and direct links to national magazine articles he has written, visit his interactive website at: <http://www.danielglick.net>. Glick's books will be available for sale, please bring cash or check.



THURSDAY EVENING PROGRAM — November 15, 2007
Ludlow Room, Fort Collins Lincoln Center, 417 W. Magnolia Street
Social Gathering: 7:00 p.m., Program: 7:30 p.m.

FORT COLLINS AUDUBON SOCIETY PROGRAMS AND FIELD TRIPS ARE FREE AND OPEN TO THE PUBLIC

Visit our website at www.fortnet.org/Audubon or call 970-490-BIRD.

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recycled paper





NOVEMBER-DECEMBER FIELD TRIPS

All field trips are free of charge (unless otherwise noted) and open to the public. All experience levels are welcome. Participants should dress appropriately for the weather. Bring snacks or lunch, water, binoculars, and spotting scopes. Carpooling is encouraged. A \$3.00 (unless otherwise specified) contribution per passenger to the driver is suggested. Visit www.fortnet.org/Audubon for more information. For all field trips and surveys, please contact the trip leader for sign up and trip details. Field Trip Coordinator: Eric DeFonso, yoeric@yahoo.com or 970-472-1761.

11/03/07 Round Mountain Trail Birding And Nature Hike. Nine mile, round-trip hike with 3000 feet of elevation gain. Please be fit and prepared for this hike. We will start at 8:00 at the trailhead and work our way to the summit of Sheep Mountain, birding and observing wildlife, plants and anything else that interests us. Please bring plenty of water, food and outdoor gear. This trip will be held regardless of weather, well, unless there is an ice storm! For more information and to sign up, contact Connie Kogler at zblueheron@gmail.com.

11/10/07, Saturday. Northern Colorado Lakes. Leader: Gary Lefko (lefkogt@ColoradoBirder.info or 970-897-2454). This 3/4-day trip will focus on the lakes and species of northern Colorado. Meet at 8:00 a.m. at Rawhide Energy Station Overlook parking lot. Suggest carpooling where possible.

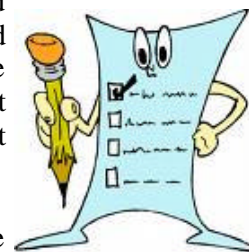
11/10/07, Saturday, Second Saturday Natural History Walk. Leader: Joann Thomas (970-482-7125). 7:45 to 10:00 a.m. Join us for our yearlong series of nature walks along the Poudre River each month. Meet at Nix Farm Natural Area, 1745 Hoffman Mill Rd. From Lemay (between Riverside and Mulberry), turn east onto Poudre River Dr. just north of the railroad tracks. Follow Poudre River Dr. as it curves, changes names to Hoffman Mill Rd., and eventually dead-ends at Nix Natural Area. Our walks and studies will focus on birds,

wildflowers, mammals, river morphology, and the effects of time and human habitation on the riparian area. This month we will be joined by Eric DeFonso who will discuss weather and climate of the area. Bring a notebook, binoculars if you have them, and your enthusiasm. Call for details about location and parking. Open to everyone; handicapped accessible; no registration required.

March 31-April 5, 2008, Colorado Grouse Trip. Join Fort Collins Audubon member Sue Riffe on her third trip across Colorado in search of grouse species. Our trip will take us to all four corners of the state and cover about 1500 miles in search of our target species: Greater and Gunnison's Sage-Grouse, Sharp tailed and Dusky Grouse, and Lesser and Greater Prairie-Chicken. We also hope to see White-tailed Ptarmigan, Mountain Plover, Brown-capped Rosy-Finch, McCown's and Chestnut-collared Longspur. We had a fabulous group last year that helped spot 139 species. We even had Northern Goshawk, great looks at Red Crossbills and White-tailed Ptarmigan at 20 feet! The cost is \$1,200, and includes a \$100 donation to Fort Collins Audubon, four nights lodging, entry fees, transportation, guide and taxes. No meals are included. Trip limited to 7 people, so sign up early! Contact Sue Riffe at www.coloradolektours.com, 970-232-4539 or sue@coloradolektours.com.

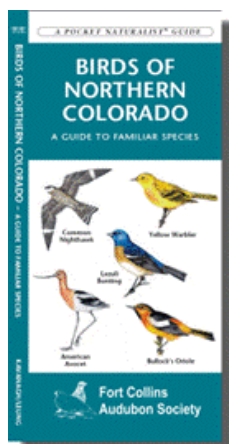
WATCH FOR OUR UPCOMING SURVEY

FCAS would like to know what you think about our organization and where we should be going. We will be conducting a survey of the membership over the next few months and hope as many of you as possible will participate. We will try to make it as easy as possible by starting with an online survey form that will take only a few minutes and can be done at your convenience. We will follow this up with a telephone survey of selected members that will allow us to have a more in-depth conversation.



More information about the survey will be available in the next issue of the *Ptarmigan* and by email for those of you for whom we have addresses. Watch for it and help us out!

FCAS Pocket Guide to Local Birds is now available at the following retailers, who are supporting our organization with the sales:



Wild Birds Unlimited
248 E Monroe Drive
(970) 225-2557

Ranch-Way Feeds
546 Willow Street
(970) 482-1662

**The Matter Bookstore/
Bean Cycle Coffee**
144 N College Avenue
(970) 472-4284

Jax Farm and Ranch
1000 N Highway 287
(970) 484-2221

Jax Outdoor Gear
1200 N College
(970) 221-0544

Bath Garden Center & Nursery
2000 E Prospect Road
(970) 484-5022

Want less paper mail? Walk your environmental talk—Get your newsletter online!



Would you like to reduce the amount of mail you receive? Use less paper? If you have access to the Internet, you can choose to receive e-mail notification when the *Ptarmigan* is available on the Fort Collins Audubon Society's website! The current issue of the newsletter is available online to members only, is available a week or two earlier than the paper copy, AND is in COLOR! If you'd like to receive an e-mail notification, please e-mail your **name and address as it appears on your newsletter's mailing label** and the e-mail address you wish to use to sktupper@earthlink.net. Please indicate whether you want just e-mail or if you would prefer both e-mail and the paper newsletter. We'd be happy to accommodate. Here's an opportunity to practice what we preach! A BIG thanks to those who have made the switch!

November newsletter distribution



Paper: 584 (85%)
E-mail: 105 (15%)

**Do you really need
the paper version?**



Conservation Corner

Bill Miller - Conservation Chair

In what now seems to be a prediction of things to come, William Ashworth wrote the book, *Nor Any Drop to Drink* in 1982. In a review by John Gabree (johngabree.com/onbooks046.htm) Ashworth wrote that "...corporate greed, political shortsightedness, bureaucratic bungling and plain old stupidity have combined to jeopardize the water resources of every part of the country."

Continuing with his review, Gabree went on to write:

"It is ironic that this should be so. The earth has enormous amounts of water, enough to provide more than 88 trillion gallons for each man, woman and child on the face of the planet. But most of it is unavailable -- more than 90 per cent is too salty to drink or to water crops; some of it is as much as two miles below the earth's crust, too far for wells to reach. But even the .05 per cent available for human use amounts to 42 million gallons per person. It is a resource that is constantly renewing itself.

"Where is the shortage? Unfortunately, although the average human needs only about two gallons of water a day to survive, by the time the average American has cooked, washed, flushed the toilet, and so on, he has consumed 90 gallons on a normal day. Industry employs another 600 gallons per capita daily and food production takes even more. When all uses are added together, our per-capita water expenditure as a nation turns out to be not two gallons a day but 1,500. Not only are we using up enormous quantities of water, but the amount we have available for most uses is constantly and alarmingly decreasing. The absolute quantity is not diminishing, but we are rendering it unusable by polluting it.

"Ashworth proposes, first, a national inventory of water sources. How much do we actually have -- locality by locality -- and what is its condition? Second, he calls for an assessment of the nation's present and future need for water. Third, he calls for national planning to match water supplies to water needs. Reliance on remote sources of water, he argues, must be discouraged, thus leading to controls on growth in areas such as

Arizona and Southern California. Water supplies must not be polluted further; water must be used appropriately and efficiently; and users must cooperate in allocating supplies. *Nor Any Drop to Drink* is a useful

summing-up of a serious problem that is not being addressed with sufficient urgency. (1982)"



Now, twenty-five years later, the topic of water is a daily occurrence in the news. Water is most likely our most precious resource. Competition over water is still occurring because cooperation among users has not been forthcoming. Water is still not being used appropriately or efficiently, and we sure haven't gotten a handle on containing growth in inappropriate areas, such as Arizona and Las Vegas. Most recently, the drought in the southeastern United States has pitted one state against another. As global climate change continues, we are witnessing drastic changes in weather patterns. Worsening drought conditions don't bode well for human habitation of wide swaths of the earth's surface. On the other end of the spectrum, the world's coastal areas are facing inundation as the two largest sources of fresh water, the Greenland and Antarctic ice caps, continue to melt at accelerating rates.

CLEAN WATER ACT IS 35 YEARS OLD

This year marks the 35th anniversary of the **Clean Water Act**. The goals of the 1972 Clean Water Act were to eliminate the discharge of pollutants into waterways and eventually make all U.S. waterways swimmable and fishable. This landmark environmental law resulted in significant improvements in water quality over the past 35 years but the original goals have yet to be met. Unfortunately, over the last six years, the Bush administration has proposed or enacted numerous policies that weaken the Clean Water Act. More than 20,000 bodies of water throughout the country are too polluted to meet basic water quality standards, according to a U.S. Environmental Protection Agency estimate. In 2006, thirty-two states and the District of Columbia had statewide fish consumption advisories in place because of toxic pollution.

Continued on next page

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In 2004, according to an EPA report to Congress, at least 850 billion gallons of raw sewage were being dumped into U.S. waterways every year. In 2005, 57 percent of all permitted facilities exceeded their Clean Water Act permit discharge limits at least once, according to an October 12, 2007 report released by the U.S. Public Interest Research Group.

For additional reading, visit www.ens-newswire.com/ens/oct2007/2007-10-12-03.asp and www.uspirg.org/troubledwaters2007.

According to a recent report from Environment Colorado (www.EnvironmentColorado.org), in 2005 more than 45 percent of industrial and municipal facilities across Colorado discharged more pollution into our waterways than their Clean Water Act permits allow. "Over 25% of our rivers and 43% of our lakes fail to meet water quality standards for designated uses such as agriculture, aquatic wildlife, recreation, or drinking water."

Myrna Poticha, a national board member of Clean Water Action and former member of the Colorado Water Quality Control Commission from 1975 to 1985, pointed out that challenges with enforcement is a significant factor applying the Clean Water Act effectively. Because the EPA's funding was cut drastically, water quality expertise was lost and close collaboration with the state on water quality issues was greatly diminished. The Bush administration also cut EPA grants for state enforcement by 22 percent between 2004 and 2006, making it harder for states to meet staffing needs.

A full copy of the report can be found online at: www.environmentcolorado.org/reports/clean-water/clean-water-program-reports/troubled-waters-an-analysis-of-2005-clean-water-act-compliance

OTHER BAD NEWS FOR WATER

More bad news for our water supplies is the inadvertent introduction of pharmaceuticals into watersheds. And a recent study in Indiana suggests

that toxins from genetically engineered Bt corn washing into streams near cornfields have the potential to harm aquatic ecosystems.

The EPA suspects that part of the problem arises when consumers flush old and unwanted drugs down toilets or drains. Pharmaceuticals were found in 80 percent of the samples taken during a U.S. Geological Survey and EPA study of 139 streams in 30 states. Many of America's wastewater treatment plants are not designed to remove pharmaceuticals and personal care products. Inter-sex fish (exhibiting both male and female characteristics in the same individual) and deformed frogs are being found more frequently as a result of increased levels of pharmaceuticals in waterways. See www.alternet.org/environment/59305/



"One major, overwhelming reason why we are running out of water is that we are killing the water we have."

*-- William Ashworth,
Nor Any Drop to Drink, 1982*

Likewise, aquatic insects such as caddisflies, an important food resource for higher organisms like fish and amphibians, are experiencing increased mortality and reduced growth as a result of ingesting the toxins from genetically engineered Bt corn released into streams. In 2006, around 35 percent of corn acreage planted in the U.S. was genetically modified, the study says, citing U.S. Department of Agriculture data. See www.truthout.org/issues_06/100907EB.shtml

URANIUM MINING IN OUR BACK YARD?

On a more local level, and with an impact to affect people in a wide area, are the prospects of *in situ* extraction and/or open pit mining of uranium in an area between I-25 and U.S. Hwy 85, and centered between Wellington and Nunn. In October of 2006 it was announced that a new company, Powertech, had purchased 5,750 acres of uranium and associated mineral rights from Anadarko Land Company. The property had been discovered and explored by Rocky Mountain Energy Company (RME), a predecessor of Anadarko. RME had completed over 3000 drill holes, and supposedly "proved" 9, 581,000 pounds of uranium within the area. The deposits range from 120 feet to 620 feet below the surface. The uranium project is now called the Centennial Project.

Continued on next page

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Proposed recovery methods include *in situ* leaching and open pit mining. The *in situ* leaching process, according to Powertech, would involve the injection of a leaching solution containing water, oxygen, and sodium bicarbonate into the rock strata that contains the uranium. The leaching solution will dissolve the uranium, along with many other minerals such as selenium, arsenic, vanadium and/or molybdenum. The solution with the dissolved minerals is then pumped back to the surface, the minerals reclaimed, and the leaching solution is then re-injected into the ore-bearing strata. Once all the recoverable uranium has been leached out of the rock, the strata is then flushed with clean water to, supposedly, restore it to its original condition.

Sounds pretty innocuous, doesn't it? Well, as some wise person once said, "There is no free lunch." An incomplete listing of potential downsides to the issue includes:

- diversion of scarce, precious water for leaching process;
- release of radium and radon gas into the atmosphere;
- the bringing to the surface various heavy metals that, if not handled properly, can present serious environmental and health issues;

- contamination of ground water supplies because it is virtually impossible to confine 100% of the leaching solutions to the properties being treated;
- contamination of the ground and ground waters in the event of an accident resulting in the release of leachates from processing equipment or heavy metals from a surface sludge pit;
- Permanent contamination of the ground water because the recovery flushing process isn't done completely or adequately.
- Fugitive radioactive dust is emitted by open pit mining.

Citizens in the affected area have been joined by numerous others in an organization called, "Coloradoans Against Resource Destruction" or C.A.R.D. They have a web site, found at <http://www.nunnglow.com>. A map of the affected area can be found at the first link below. Information on other companies that are exploring for uranium in our area is found at the second link. Information about Congresswoman's Oct. 13th meeting is found at the third link. Information about the bipartisan effort to "tighten" up Colorado's regulations pertaining to uranium mining is found in the fourth link below.

www.nunnglow.com/index.php?option=com_content&task=view&id=17&Itemid=45 (map)

www.nunnglow.com/index.php?option=com_content&task=view&id=144&Itemid=1 (other companies)

www.nunnglow.com/index.php?option=com_content&task=view&id=149&Itemid=1 (Rep. Musgrave)

www.nunnglow.com/index.php?option=com_content&task=view&id=151 (Colorado regulations)

Somehow, I have the feeling that this issue isn't going to disappear overnight, and those of us who care about our environment and health of our natural resources will need to stay on top of this issue.

CITY OF FORT COLLINS DRAFT WATER CONSERVATION PLAN

The city of Fort Collins has prepared a new water conservation plan and is seeking public comments before it is finalized and goes to City Council. The plan covers a wide range of topics including "smart irrigation technology", rebates for water efficient appliances, and other conservation measures. The plan can be downloaded from the city website and comments entered there. Everyone is invited to the Open House on November 1st.

WEBSITE: www.fcgov.com/waterconservationplan (to download plan and for comments)

COMMENT PERIOD: 10 /8 – 12/7/07

OPEN HOUSE: Thurs. Nov. 1, 4:00 -7:00, presentation at 5:30 pm, Columbine Café, 802. W. Drake Rd.

COMMENTS: Website or Fort Collins Utilities, Water Conservation Plan, PO Box 580, Fort Collins, CO 80522.





**Welcome to these new
and renewing members!**

**We hope to see you at our
programs and field trips.**

Madeline Asbury
William S Cordiner
Karl Krahnke
Jane Low
Louis Ogden
Robert Righter
Cynthia Sumner

Hetty Bigsby
David E Hartley
Frances Lipp
Virginia Mayo
Gloria J Packard
Shelby Robinson
Sarah Swanty

Everett Carlson
Mary Kennedy
Mary Lou Kizer
Amber Mazurana
Indrajit Ray
Emily L Spencer
Robert W Wright

Education Corner

By Joann Thomas - Education Chair



Weekends

Some weekends are ho-hum...and some weekends are hooooo...huuuuum! This past weekend was one of the latter. I'd already double booked my Audubon activities. On Saturday morning I was to be at Nix Farm for the second in the 2nd Saturday series and simultaneously at the Discovery Science Center's Family Day. On this special day, the Discovery Center provides Head Start children and their families with free memberships. Bill and Sue Miller volunteered to put up the FCAS display for me and Lynne Hull subbed until I arrived at 11:00.

The day was cool and wet. Wayne Sundberg told us the early history of settlement in the Fort Collins area and the sugar beet industry's impact on the area. We investigated the mounds of dirt pushed up by pocket gophers and the concavities created by antlions (check out this awesome website www.antlionpit.com). A group of about eight deer greeted us from across the river and a muskrat surfaced and then disappeared in the water. A flock of grackle objected to our presence with raucous noises while a flock of cedar waxwings moved restlessly about at the top of a tree.

At the end of the walk, we paused to listen to bird calls that sounded especially sweet and clear on this gloomy day. We found white crowned sparrows, goldfinches, and chickadees in the spent sunflowers and brown shrubs around the farmhouse. I did not want to leave the hushed, gray, moist setting and those beautiful sounds. But...

Then I was off to the Discovery Center and a day of helping children identify birds from a photo display. Until two o'clock, Bill, Sue, and I used cards printed in both Spanish and English to help the children write their choices for identifying the nine common birds in the photos. We discovered that we were also teaching the parents. Often the parents, many of whom did not speak English well, were trying to identify the birds on the card. One mother said, "I don't know anything about birds." We challenged her to try and she proceeded to identify correctly all of the birds. She smiled as she said, "Well, maybe I do know something."

Our day was spent educating 544 visitors of whom 309 were children. Not bad for a day's work in education. The exciting aspect of this day was the number of people we'd touched. By the time we left, it was raining hard, but inside the building and inside us, we felt warm and satisfied. It was a good day.

Eric DeFonso will teach us about climate on our next 2nd Saturday walk on November 10th. Join us and bring a friend to learn and to teach. A pretty neat combination!

Better Living, Better Birding

By Lynne Hull

Those of you who know me personally probably know that in the rest of my life I am an artist who works with wildlife habitat restoration and with teaching people about wildlife issues through my artwork. Currently I am one of many artists featured in an exhibit in Boulder, CO.

entitled "Weather Report: Art and Climate Change". In the research for the works I created I heard several scientific research presentations on already visible impacts of global warming on wildlife. I also consulted with a C.U. biologist about local species impacts. The resulting artworks are "Wildlife Warning" signs, mimicking yellow highway warning signs, warning of global warming and it's effects on specific species.

Inside the border of "Wildlife Warning Global Warming" text are images of species which have been drawn and then erased, the smears of erasure turning the animals into ghosts, with a tag sign below referring to a popular advertising campaign. Wildlife species for which I found recent data included Bats ("Got Water?") from research showing maternal nursing bats must have water as soon as they emerge from a day of roosting and nursing to replenish their dehydration and the small potholes they depend on are drying up, Pika, (got habitat?) whose band of chilly alpine habitat is narrowing rapidly, Preble's Meadow Jumping Mouse (Got Riparian?) whose riverine habitat may soon be radically reduced, and the Polar Bear whose "Got Ice?" situation breaks my heart. Another artist also created artwork about the Pika, posting audio speaker poles near the Boulder museum with images of the tiny creature and a button which when pushed emits the Pika's communal warning cry. Many other artists worked with scientists to visualize and translate

the situation we face with climate change. It is an impressive exhibit of artists trying to make this urgent situation visible in many different ways, painting, sculpture, photographs, and technological art.

To me, the exhibit is well worth the trip to

Boulder. On the other hand, there is much art about "warning" and not so much proposing solutions, which I hope will be a future exhibit. For my part, I also created "Cool Choice Stickers" to distribute to anyone willing to figure out a small action and post the sticker as a reminder that many small daily choices can contribute to, or reduce, global warming. Choosing to push a door open instead of using the automatic electric door, choosing to climb

a flight of stairs, choosing to ride a bike, choosing to replace dead light bulbs with Compact Fluorescent Lights, choosing to eat local food and purchase local products to avoid the carbon emission of long distance transport, choosing to plant and grow one's own food instead of cultivating a bluegrass lawn, all reduce our contribution to this situation and help us realize that we can live with those changes. Can I save a pika by riding my bike to the library and entering it by pushing the non-electric door? It's a start.

I welcome more ideas and comments at Lynne.Hull@eco-art.org. You can see the Cool Choice Sticker at <http://www.coolchoicesticker.blogspot.com/>. The "Weather Report" exhibit is at the Boulder Museum of Contemporary Art and a variety of outdoor locations around Boulder until early December. Details at www.BMOCA.org or (303) 443-2122. Take your cell phone and listen to further information on the outdoor artworks by calling in to the museum commentary numbers.



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CONGRATULATIONS TO GARY MILLER

As reported in the February 2007 issue of the *Ptarmigan* Fort Collins Audubon Society became signed on as a member of the *Conservation Forum*, which is "...a mechanism for the Conservation Community and CDOW staff to share ideas and concerns related to the well-being of Colorado's wildlife and wildlife habitat." Gary Miller is a FCAS member and is retired from the Colorado Division of Wildlife. Gary agreed to be our principal delegate to the *Conservation Forum*. While attending the March quarterly meeting of the *Forum* Ken Strom and I had the pleasure of placing Gary's name in consideration as a candidate to be appointed to the Habitat Stamp Committee. Last August Gary was notified by the Governor's Boards and Commissions office that he had been appointed to serve on the Habitat Stamp Committee which will be making recommendations on how to distribute the Habitat Stamps and how to publicize their purpose. Our congratulations go out to Gary for this recognition, and also for the work he does representing FCAS at the Conservation Forum meetings and reporting back to us on the Forum's activities.

= = = = =

November's Second Saturday Natural History Walk

Join us for the fourth of a yearlong series of nature walks on Saturday, November 10th. We'll meet at Nix Farm at 7:45 a.m., depart at 8:00 a.m. and return about 10:30 a.m. Eric DeFonso will join us to talk about climate change. Along the way we'll check out the special spots we observed on our previous trips. Bring a notebook, binoculars if you have them, and your enthusiasm. Call Joann Thomas at **482-7125** for more details about location and parking. Open to everyone; handicapped accessible; no registration required.

December's Second Saturday Natural History Walk

Join us for the fourth of a yearlong series of nature walks on Saturday, December 8th. We'll meet at Nix Farm at 7:45 a.m., depart at 8:00 a.m. and return about 10:30 a.m. Dr. Gigi Richard, a hydrologist and river expert from Grand Junction, will join us to discuss the formation of rivers. Along the way we'll check out the special spots we observed on our previous trips. Bring a notebook, binoculars if you have them, and your enthusiasm. Call Joann Thomas at **482-7125** for more details about location and parking. Open to everyone; handicapped accessible; no registration required.

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- Receive regular news posts on FCAS events
- Get timely monthly meeting reminders
- Hear of volunteer opportunities as they arise



Go to www.fortnet.org/Audubon/fcaudubon.htm to learn more and to subscribe to the *fcaudubon* e-mail news service.

Membership Application

Join the Fort Collins Audubon Society (FCAS) directly, or automatically become a member by joining the National Audubon Society (NAS). *Choose one below:*

New or Renewing Member of FCAS (annual dues) **\$15**
 (Receive the *Ptarmigan* newsletter)
 FCAS may share my name with NAS

New Member of NAS & Chapter **\$20**
 (Receive *Audubon* magazine and *Ptarmigan*)

Renewing Member of NAS & Chapter **\$35**
 (Receive *Audubon* magazine and *Ptarmigan*)

Did you know? Less than \$1 of your NAS dues is left for FCAS funds. FCAS serves NAS members through its own fundraising efforts. We appreciate your financial support!

Additional donation to FCAS \$ _____
Total enclosed \$ _____

Name: _____
 Address: _____
 City: _____ State: ____ Zip: _____
 Phone: _____ E-mail: _____

I prefer to receive the *Ptarmigan* via the FCAS website. Please e-mail me when posted.

Please make your check payable to **FCAS** and send along with this form to: **Fort Collins Audubon Society, PO Box 271968, Fort Collins, CO 80527-1968**

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