

# BURROWING OWL

CENTRAL NEW MEXICO AUDUBON SOCIETY

FEBRUARY - MARCH 1990

## WELCOME!

The Central New Mexico Audubon Society meets at 7:30 p.m., on the third Thursday of each month, at St. Timothy's Lutheran Church, Copper and Jefferson N.E. Nonmembers are welcome at all meetings, fieldtrips, and special events.

## UPCOMING PROGRAMS

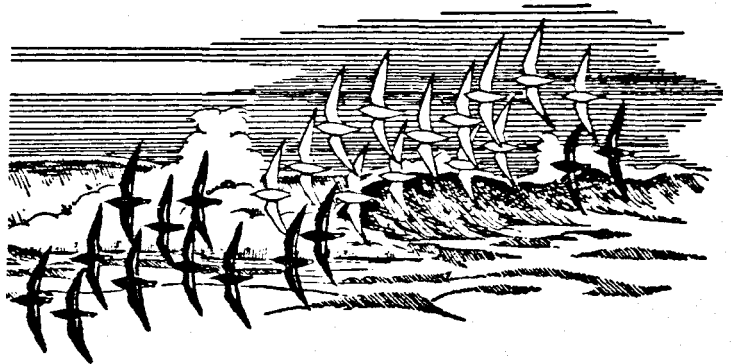
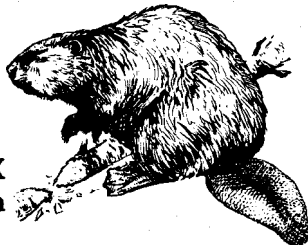
### YELLOWSTONE NATIONAL PARK —Thursday, February 15th

Eddie and Butch Johnson, longtime CNMAS members, have visited Yellowstone National Park many times over the last 30 years. They have taken photos and accumulated interesting stories about many aspects of this, the first of our national parks. They visited Yellowstone the year before and the year of the fire and again last year to see what the results of the fire were and how the park is recovering. Eddie will show slides and tell about their adventures in Yellowstone. This program should be of special interest to all.

### NAMIB: PICTURES OF AN ANCIENT DESERT —Thursday, March 15th

Cliff and Claudia Crawford, CNMAS members, will present slides of their work in the Namib Desert in Namibia, southwest Africa. The Crawfords' studies the biology and geology of the region for two months this past summer. This trip was Cliff Crawford's fourth trip to the Namib. The Crawfords stayed at the Desert Ecological Research Unit which was established in the 1960s, a 3-hour drive to the nearest town. Special life forms have evolved to survive

in the "fog dunes" of the Namib, where the temperature extremes vary from below freezing to 100 to 115 degrees F. Some of the dunes in the Namib are 1,000 feet high and are on top of fossilized dunes. Animal life, especially beetles, have evolved over a long period of time in the Namib. Plan to attend this special program!



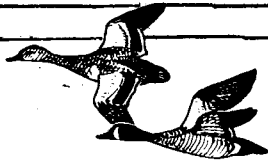
### SOUTHERN SEA BIRDS AND PENGUINS —Friday, February 23rd

Mr. Frank Todd will be speaking to the New Mexico Zoological Society at 8:00 p.m. in the auditorium of the Indian Pueblo Cultural Center, 2401 12th Street, NW. His talk will be illustrated with slides. Mr. Todd is an entertaining and informative speaker whose presentation should appeal to people of all ages. Refreshments will be served.

The New Mexico Zoological Society would like to cordially extend an invitation to all Audubon Society members to attend Mr. Todd's lecture. Admission will be \$3.00 for Zoological Society and Audubon Society members and their families, and \$5.00 for all others. For additional information, please call Letitia Peirce, Executive Secretary for the Zoological Society, at 842-7280.

## FIELD TRIP SCHEDULE

### BY LAURA JENKINS



Laura Jenkins reports that she is sorry that she did not get the copy for the January trip in before the Burrowing Owl went to press and that some members were unaware of the trip. A group of about twelve people had a very good trip to Cochiti Lake, especially to spot Bald Eagles. She reports beautiful, mature eagles in tree tops 125 to 150 yards away from the group. Most encouraging were the presence of several immature eagles. Sei Tokuda's knowledge of the area, and of the eagles, was much appreciated!

### BERNARDO WILDLIFE REFUGE

—Saturday, February 10th



We will return to the ponds at Bernardo for shore birds and hopefully drive the ditch roads to look for cranes feeding in the fields (one whooping crane was spotted last year) and many other birds.

Meet at 7:00 a.m. at the Physics and Astronomy parking lot at UNM, Yale and Lomas, NE corner. Bring lunch, or purchase food at a little store nearby. Return after lunch or early afternoon.

### CORRALES BOSQUE PRESERVE

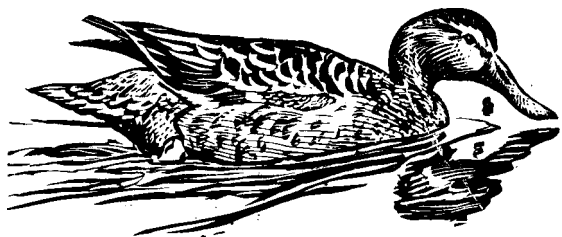
—Saturday, March 10th

This 400 acre preserve contains the best remaining cottonwood forest in the middle Rio Grande bosque. It is an important migratory stopover, as well as nesting habitat, for many small birds.

Meet at 7:00 a.m. at the Corrales Post Office. The easy hike of about two miles will end around 11:00 a.m. Lunch together at a nearby restaurant, if you like.

### COMING ATTRACTIONS

The Sandias, east side and west side, in April and May.



## ON-YOUR-OWN FIELDTRIPS

### SAND SPRINGS CANYON

—Saturday, March 31st

Join Zuni-area birders for a fairly strenuous hike into one of Zuni's very scenic canyons. Meet at the Public Health Service parking lot in Black Rock. Contact Dave Cleary at 782-4917 to verify this trip and the meeting time.



## UPCOMING EVENTS

### BIRDS OF A FEATHER WEEKEND

—February 10-11th

Friends of the Rio Grande Nature Center will be having its first Birds of a Feather Weekend from 10 a.m. to 4 p.m. at the Rio Grande Nature Center State Park, 2901 Candelaria NW. Activities will include a wildbird feed sale, demonstrations from Wildlife Rescue and Bird Banders. There will also be guided hikes, a bird I.D. workshop, and discovery activities. CNMAS will have a table and will assist with bird identification. Proceeds will benefit educational programs at the center. For more information, call 344-7240.

### INSTITUTE OF DESERT ECOLOGY, 20TH ANNUAL

—April 19-22nd

The Institute, which is sponsored by the Tucson Audubon Society at Catalina State Park north of Tucson, is an exciting four days of field studies in Sonoran Desert ecology. Under the enthusiastic tutelage of six of Arizona's foremost natural history experts, sessions will focus on relationships between plants, wildlife, and the desert environment. Participants camp in a shaded mesquite bosque adjacent to undisturbed desert washed, canyons, hillsides, and rich riparian areas. Ample, tasty meals are catered on-site and the cost is \$245, with university credit available for an additional fee. For more information, contact the director, Mary Ann Chapman, 300 E. University, Suite 120, Tucson, AZ 85705, or call her at (602) 887-9449.



## BIRDING ADVENTURES IN THE SOUTHWEST

The Randall Davey Audubon Center in Santa Fe is offering birding enthusiasts an exciting program of spring adventures. Consider joining them for the river and overland trips listed below. Trips are guided by Audubon educators and knowledgeable birders. River trips are staffed by professional boaters. No previous river experience is necessary. For registration information, call or write: Randall Davey Audubon Center, P.O. Box 9314, Santa Fe, NM 87504, (505) 983-4609, Mon-Fri, 9:00 a.m. to 5:00 p.m.

### Salt River Canyon, Arizona —April 11-15th

Start among the pines, float through juniper-pinon woodlands and into the upper Sonoran Desert. The mid-April date will allow participants to see both the migratory birds and the wide variety of birds which nest, including the bald eagle and peregrine falcon, in the diverse habitats of the Salt River. Cost \$525 per person.

### Chama River, New Mexico —May 11-13th —May 19-20th



Visit Santa Fe this spring and join a birding adventure down the Rio Chama, one of the most scenic rivers in northern New Mexico. Its beautiful riparian environment is both an important migratory route and home to numerous song birds, waterfowl, and birds of prey. Cost \$200 per person (11-13th) or \$150 per person (19-20th).

### Gila Country Overland, New Mexico —May 26-28th

Are Black Hawks, Zone-tailed Hawks and Abert's Towhees on your birding wish list? If so, this trip is definitely for you! Join the director of the Randall Davey Center, David Henderson, and visit one of New Mexico's hot spots—Silver City and the Gila River Valley. This 3 day, 2 night adventure on Memorial Day weekend promises 50 to 100 species of birds. Travel will be via 15 passenger van from Santa Fe. Accommodations are based on

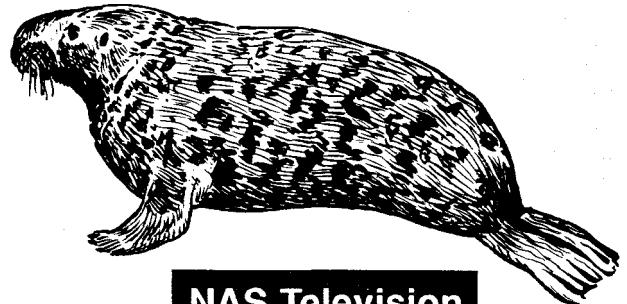
double occupancy at a Silver City motel. Picnic lunches will be supplied daily, however participants will be responsible for their own restaurant breakfasts and dinners. Cost per person is \$200 based on a minimum of 8 participants and a maximum of 12. If the waiting list exceeds 4 persons, a second van and birding guide will be added.

### SANDIA MOUNTAIN DISCOVERY DAYS —July 28-29th

CNMAS would like to provide some bird walks and keep an information table active on both of these days. If you would like to help with the planning or participate in this activity to introduce Audubon to many new people, please talk to Lew Helm, Conservation Chairperson, or Donna Broudy, President.

### NEW MEXICO AUDUBON CONFERENCE —October 12-14th

Mark your calendars now for our statewide annual meeting, which will be hosted by CNMAS this year. We have booked Hummingbird Music and Conference Center in the Jemez for this event. Plan now to attend and enjoy good speakers, birding, and wonderful food and fellowship.



**NAS Television**

### Plight of Dolphins Subject of Next Audubon Special

MICHAEL DOUGLAS HOSTS THE NEWEST Audubon Television Special, "If Dolphins Could Talk," a film journey into the world of the gentle, intelligent mammal. The special focuses on how human activities—pollution, tuna fishing, and, in one case of competition with fishermen, indiscriminate slaughter—are devastating dolphin populations. The program airs on TBS SuperStation: Sunday, February 25 at 10 p.m. (Eastern); Monday, February 26 at 8:55 p.m. (Pacific); Saturday, March 3 at 9:05 a.m. (Eastern); and Monday, March 19 at 11:05 p.m. (Pacific).

For information on these programs and other Audubon television offerings, write to: Audubon Television, 801 Pennsylvania Ave., SE, Washington, D.C. 20003.

## CONSERVATION NOTES BY LEW HELM



### GLOBAL WARMING - IS IT REAL?

There are a few holdouts, but by and large, the scientific community is convinced that climate change induced by human activities is with us. Given the scale of human activities on top of naturally occurring release of gases, it is apparent that the greenhouse effect is real. What are the man-made causes of the greenhouse effect: In just three categories, humans are exerting a significant change in the atmosphere. First, we have increased carbon dioxide releases by 25 % since 1950; second, methane releases increase at the rate of 1% per year; and third, chlorofluocarbons (CFC) which did not exist before 1900, are continuing to destroy the stratosphere ozone that protects us from dangerous ultraviolet light.

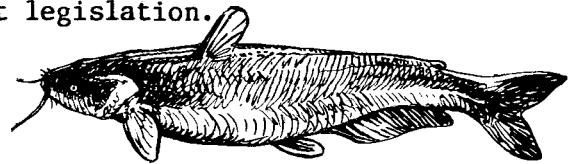
The National Audubon Society (NAS) has embarked on a multifront attack on the problem. Quoting Society President Peter A. Berle, "If we wish to prevent disaster, we must dramatically shift our entire energy production to a system based on renewable, non-polluting sources." NAS urges three initiatives: (1) the United States must commit itself to a national climate policy to achieve a 20% reduction in carbon dioxide emissions by the year 2000; (2) a national energy policy that promotes energy conservation and shifts energy production toward renewable resources; and (3) a population plan that reasserts U. S. leadership on family planning issues and provides research funds for simple, advanced, and inexpensive form of contraception.

We can do something ourselves. We can lobby President Bush, our senators and our representatives urging support for the above policies. Further, we can make a difference in our own lives by altering our life styles -- driving more efficient vehicles, or using mass transit, recycling as much as we can, planting trees wherever we can, and urging others to do the same.



### BOTTLE NEWS

Aside from the hope that our legislature will adopt some form of container deposit program, moves are afoot in the Congress to do this on a national scale. Introduced in the House as HR 586 is national legislation which would require a refundable deposit on all beer and soda containers. HR 586 was introduced by Rep. Paul Henry of Michigan and has 94 cosponsors. A similar bill has been introduced on the Senate side by Sen. Mark Hatfield of Oregon. Please write our representatives and senators urging them to cosponsor this national container deposit legislation.



### 1990 LEGISLATIVE SESSION

This may be a "short" session, but there are a few issues which are of importance to conservationists. Here are the bills we have heard about so far.

o **Solid Waste Act (SB 2).** This will follow along somewhat similar lines as the bill vetoed by the Governor last year. The present bill would regulate landfills, the transportation of solid waste, and the liability aspects of establishing solid waste sites. Included is a recycling part which would require a recycling plan to be developed by a certain date. Other aspects of the bill would require better public notice of landfill proposals and disclosure by the parties involved in proposed landfills and transportation of solid waste as to the background of the individuals. We believe this most important legislative effort deserves our support. Please contact your State senators and representatives to express your views and Audubon's support of this bill.

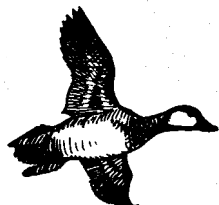
o **Instream Flow Bill (No number).** This bill would authorize a study of surface water resources to determine the best to obtain and develop water rights for fish and wildlife in view of the scarcity of water for agriculture and other uses which have historic water rights. Audubon supports this effort also.

o **Natural Lands Protection Act (No number).** To supplement existing law, this bill would provide for an increase of \$1.5 to \$2.0 million as matching funds for entities wishing to protect significant fish and wildlife habitat. Audubon supports this effort.

o **Wildlife Depredation Bill (No number).** Agriculturalists want to be compensated for damage caused by wildlife. This is bad legislation from our point of view since it would be very expensive and would take away scarce funds needed for management of all fish and wildlife.

o **Game Ranching Bill.** A bill on this issue has not been introduced yet, but keep your eyes and ears open. We are very much opposed to this kind of exploitation of wildlife.

CLASSES AND WORKSHOPS

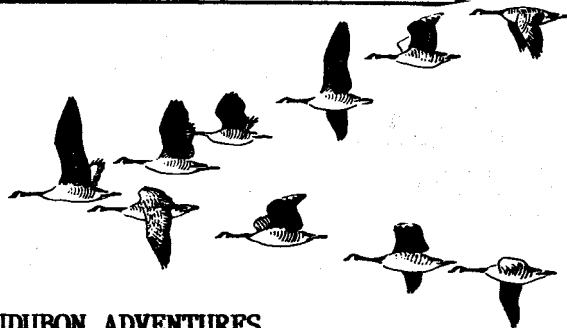


**SCHOLARSHIPS FOR TEACHERS**

CNMAS is offering a scholarship for a teacher to attend the Audubon Camp in the West in Wyoming's Wind River Mountains for a field ecology session, June 23 to 29, 1990. Applications are available from Marge Carrick, Education Committee Chairperson. The seven day session costs \$525, which will be paid by CNMAS, or the successful applicant may apply the same amount to a two-week session costing \$725. Transportation must be furnished by the scholarship recipient.

**RIPARIAN WORKSHOP**

A wetlands workshop jointly sponsored by CNMAS and the Rio Grande Nature Center will be held on March 14th at the Nature Center. Janie Cox, Program Coordinator and Karen Copeland from the Randall Davey Audubon Center in Santa Fe will teach the course. Due to space limitations at the Center, registrations will be held to 30 participants. There is no registration fee. Each sponsoring organization will register 15 persons. CNMAS is giving preference to **Audubon Adventures** teachers; however, others may register if our quota is not filled. To register, call Marge Carrick (266-0191).



**AUDUBON ADVENTURES**

It's not too early to start thinking about the possibility of sponsoring a classroom for **Audubon Adventures** for the 1990-91 school term. **Audubon Adventures** is the youth education program of NAS for elementary school students in grades 4 and 5. Each issue of the bi-monthly newspaper emphasizes a special theme and students receive a membership card, decal, and the newspaper. The teacher receives the companion Leader's Guide and each class is presented a certificate for the classroom.

NAS's cost to produce and distribute the **Audubon Adventures** is about \$100.00 per classroom per year. Most of the cost is borne by NAS, but local subscriptions of \$30.00 per class is required. Nationally, in the present school year, over 300,000 children in 10,500 classes are enrolled in the program. Locally, through the sponsorship of CNMAS and others, 25 schools with a total of 32 classes are receiving **Audubon Adventures**. We commend the Parents Club at Emerson Elementary School for their sponsorship of all seven of their 4th and 5th grade classrooms.

You are invited to become a sponsor for this program. There are two ways to do this: (1) Sponsor a classroom(s) for \$30.00 each, or (2) make a contribution of any amount to the **Audubon Adventures** fund. Make your check payable to CNMAS and mail with registration form below to: Marge Carrick, 808 Dakota, SE, Albuquerque, NM 87108.

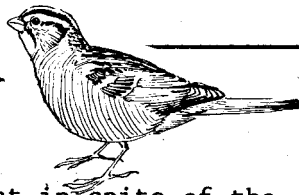
I would like to contribute to the **Audubon Adventures** Fund. Enclosed is my check for \$\_\_\_\_\_ (Thanks!)

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CHRISTMAS BIRD COUNT



Hart Schwartz reports that in spite of the weather, we had a great turnout of counters and a surprising number of species.

If you're wondering why the crow count is 450 rather than the usual thousands, Hart says the crows have changed their habits this winter. Rather than roosting along the Rio Grande, they have taken up residence at UNM, where a free "white wash" is being provided.

1989/90 Albuquerque Christmas Count Results

1. Pied-billed Grebe	8	50. Com. Raven	22
2. Am. Bittern	1	51. Black-capped Chickadee	21
3. Great Blue Heron	10	52. Mountain Chickadee	14
4. Green-backed Heron	1	chickadee, sp.	12
5. Canada Goose	130	53. Plain Titmouse	8
6. Wood Duck	73	54. Bushtit	35
Mandarin Duck	8	55. White-breasted Nuthatch	17
7. Green-winged Teal	7	56. Brown Creeper	3
8. Mallard	430	57. Rock Wren	3
9. Gadwall	16	58. Canyon Wren	3
10. Redhead	6	59. Bewick's Wren	5
11. Ring-necked Duck	63	60. Marsh Wren	4
12. Com. Merganser	30	61. Troglodytes, sp.	1
duck, sp.	35	62. Am. Dipper	1
13. N. Harrier	7	63. Ruby-crowned Kinglet	14
14. Sharp-shinned Hawk	5	64. W. Bluebird	78
15. Cooper's Hawk	6	65. Mountain Bluebird	7
16. Harris' Hawk	2	66. Townsend's Solitaire	13
17. Red-tailed Hawk	22	67. Hermit Thrush	23
18. Ferruginous Hawk	1	68. Am. Robin	1,007
Buteo, sp.	1	69. Curve-billed Thrasher	4
19. Golden Eagle	1 IM	70. Crissal Thrasher	1
20. Am. Kestrel	30	71. Am. Pipit	34
21. Merlin	1	72. Cedar Waxwing	14
22. Prairie Falcon	2	73. Loggerhead Shrike	4
23. Ring-necked Pheasant	4	74. Eur. Starling	2,657
24. Scaled Quail	86	75. Yellow-rump (Aud.) Warb.	3
25. Gambel's Quail	53	Yellow-rump. Warb. (form?)	1
26. Virginia Rail	3	76. Rufous-sided Towhee	34
27. Sora	1	77. Canyon Towhee	24
28. Am. Coot	4	78. Rufous-crowned Sparrow	1
29. Sandhill Crane	126	79. Am. Tree Sparrow	2
30. Killdeer	17	80. Sage Sparrow	5
31. Com. Snipe	2	81. Song Sparrow	214
32. Ring-billed Gull	4	82. White-throated Sparrow	3
33. Rock Dove	316	83. White-crowned Sparrow	1,389
34. Mourning Dove	13	84. Dark-eyed (S-c) Junco	20
35. Greater Roadrunner	6	Dark-eyed (Oreg.) Junco	1,266
36. W. Screech-Owl	2	Dark-eyed (G-h) Junco	37
37. Great Horned Owl	4	Dark-eyed Junco (form?)	221
38. Belted Kingfisher	11	85. Red-winged Blackbird	609
39. Lewis' Woodpecker	1	86. W. Meadowlark	50
40. Ladder-backed Woodpecker	2	meadowlark, sp.	10
41. Downy Woodpecker	5	87. Brewer's Blackbird	80
42. Hairy Woodpecker	2	88. Great-tailed Grackle	32
43. N. (Red-sh.) Flicker	196	blackbird, sp.	1
44. Black Phoebe	1	89. House Finch	502
45. Say's Phoebe	4	90. Pine Siskin	74
46. Horned Lark	230	91. Am. Goldfinch	104
47. Steller's Jay	20	92. Evening Grosbeak	255
48. Scrub Jay	47	93. House Sparrow	527
49. Am. Crow	450		

DATE OF COUNT:	12-16-89
TOTAL SPECIES:	93
TOTAL INDIVIDUALS:	11,975
NUMBER OF PARTICIPANTS:	32

BIRDS SEEN COUNT WEEK BUT NOT ON

COUNT DAY:

1. Blue Jay
2. Pinyon Jay
3. Black-throated Sparrow
4. Lincoln's Sparrow

BIRDS NEW TO THE ALBUQUERQUE COUNT:

1. Harris' Hawk, found by Larry Gorbet & Carol Davis
2. Am. Dipper, discovered by Bruce Halstead & his group.

A SPECIES MORE COMMON THAN USUAL:

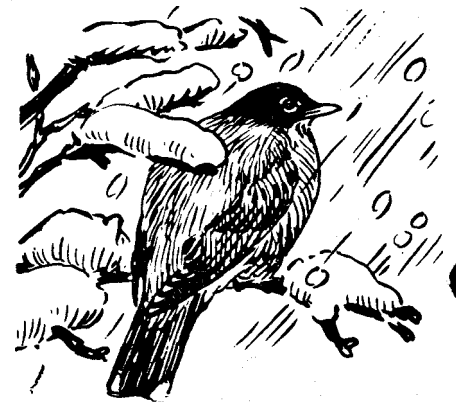
The Hermit Thrush staged a virtual "invasion"; 23 birds were counted--which is more than twice the previous high.

MORE AOU NAME CHANGES:

Due to more "splitting," our Water Pipit has now become the American Pipit and the Brown Towhee here is now known as the Canyon Towhee.

COMPILER FOR THIS COUNT & SUMMARY:

Hart R. Schwarz  
317 Palomas Dr. NE, #9  
Albuquerque, NM 87108  
Phone: (505) 266-1810



**NOTEWORTHY NEWS****NEW MEXICO RARE BIRD ALERT**  
—Pat Snider

The Rare Bird Alert's purpose is to supply timely information about the occurrence and location of uncommon birds and bird phenomenon in New Mexico via a recorded telephone message. The phone number is (505) 662-2101.

The report will start with the date it was last updated. If the time is also given, it means that the report was updated two or more times on that day, because important sightings were received after the first update.

Newly reported birds are described first; the only exception is when a very rare species is found, in which case it will get top billing. Updates of previously reported birds will be given next, from the most current date back. This will allow the frequent caller to know that he has heard all the new birds that have been reported when he hears reports which were not updated from his last call.

Credit to the observer will be given unless there is a specific request to omit credit. This will be done so callers can contact the observers directly for bird details, directions, or comments about what else is in the area.

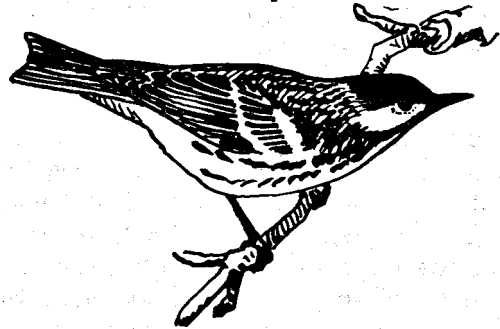
Each bird reported will be dated as to the last update received to allow listeners to determine when each bird was last seen. Reports will be dropped if they are not updated regularly. In order for the Rare Bird Alert to be successful, it's imperative that the information reported be current.

Updates will be made whenever significant new sightings are received. If the person who updates will be out of town, arrangements will be made for the tape to be updated. If there is no update, it means that no new birds have been reported and that there are no significant updates about birds already on the report. Even with no new or updated reports of birds, the recording will be updated on Thursday noons, to let listeners plan their weekend trips.

Any information about planned field trips will also be given. The final statement will be for those wishing to leave messages of their sightings.

What can you do to make the Rare Bird Alert better? Report, report, REPORT! If you are unsure if the bird seen warrants reporting, report it anyway. Let the updater worry about its inclusion. If you see a bird which is currently on the tape, call so its status can be updated. It's just as important to report when a bird is not seen, so it can be taken off the tape. When reporting, call in as soon as possible. Also, report the "hot spots" where no unusual finds, but lots of birds, have been seen. Birders will follow and someone might find a real rarity. Look for birds in out of the way places which have good potential.

If you call in and hear the tape, please give your ideas for improvements so your bird report can be even better. The preceding instructions came mostly from David Martin, an NMOS member, and the operator of the Colorado Bird Report. His help and invaluable advice have been greatly appreciated. Also, thanks goes to persons operating the Tucson Bird Alert who gave me ideas on operation.

**DIRECTORY FOR WORLD TRAVELING NATURE LOVERS**

CNMAS member, Jean Davis, has advised that if you are interested in people and places for birding while traveling, the Tahoma Audubon Society of Tacoma, Washington has a wonderful directory, **Directory for World Traveling Nature Lovers (formerly The Nature Guide)**. The guide lists wildlife viewing areas and personal contacts to help you find those areas. To obtain a copy, sent \$8.00 plus \$2.00 postage and handling to **Directory for World Traveling Nature Lovers**, P. O. Box 1015, Tacoma, WA 98401-1015.

**MANZANO HAWK WATCH**

—Brett M. Ewald

One of the premier hawk watches in Western North America is located atop a ridge near Capilla Peak at 9,200' in the Manzano Mountains of Central New Mexico.



WFRC plans to continue its spring count in the Sandia Mountains for the 7th straight year. Keep your eyes open for a field trip to this spectacular site this spring. WFRC wishes to thank CNMAS for its continued financial support. For information about the project or the Foundation, call 255-7622, stop by the office at 1420 Carlisle NE, Suite 202 during regular business hours, or write WFRC, Inc., P.O. Box 35706, Albuquerque, NM 87176.

The opportunity to study this concentration of raptors close-up led me from New York and Tim Menard from St. Louis, to work for the Western Foundation for Raptor Conservation in its continuing efforts to monitor western raptor populations.

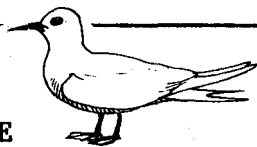
1989 was the fifth consecutive year that this site has been used to census this migration flyway. A record count of 4,680 raptors of 17 species was recorded during the two month survey, which started on August 28 and continued through October 31. Two days were lost to Hurricane Raymond, which dumped 2.5" of rain on our camp, only adding to the unique experiences provided by the ever-hungry black bears. One bear even ran off with our food bag, never to be seen again!

It is only with continued monitoring of this site, along with others in New Mexico, Nevada, and Utah, that WFRC will be able to reach conclusions about the health of western raptors and the environment in which they, and we, live.

Manzano Lookout raptor migration count totals and species percentages, Fall 1985-1989.

SPECIES	1985	1986	1987	1988	1989	TOTAL	% of Total
Start Date	6 Sept	23 Aug	25 Aug	29 Aug	28 Aug		
End Date	2 Nov	31 Oct	4 Nov	31 Oct	31 Oct		
Obs. Days	50	63	66	61	63	303	
Obs. Hours	347.2	464.5	522.6	450.5	490.3	2275.05	
Turkey Vulture	74	120	283	466	178	1121	5.9%
Osprey	10	12	19	13	22	76	-
Bald Eagle	2		1	1	3	7	
Northern Harrier	29	36	79	78	59	281	
Sharp-shinned Hawk	968	1303	1625	1123	1833	6852	35.9%
Cooper's Hawk	533	882	679	610	930	3634	19.0%
Northern Goshawk	22	20	7	6	14	69	-
Unid. Accipiter	78	104	119	112	120	533	2.8%
Total Accipiters	1601	2309	2430	1851	2897	11088	58.1%
Broad-winged Hawk	2	2	7	10	5	26	-
Swainson's Hawk	28	33	44	3	16	124	0.6%
Red-tailed Hawk	519	528	460	486	606	2599	13.6%
Ferruginous Hawk	14	15	21	21	16	87	0.5%
Rough-legged Hawk				1	1	2	-
Zone-tailed Hawk		1	2	1	1	5	-
Unid. Buteo	21	12	11	16	4	64	-
Total Buteos	584	591	545	538	649	2907	15.2%
Golden Eagle	135	124	85	67	84	495	2.6%
American Kestrel	425	755	423	385	678	2666	14.0%
Merlin	2	16	18	12	18	66	-
Peregrine Falcon	8	15	7	10	15	55	-
Prairie Falcon	12	7	8	12	19	58	-
Unid. Falcon	4		1		3	8	-
Total Falcons	451	793	457	419	733	2853	
Unid. Raptor	31	34	39	80	55	239	
<b>TOTAL (all raptors)</b>	<b>2917</b>	<b>4019</b>	<b>3938</b>	<b>3513</b>	<b>4680</b>	<b>19067</b>	<b>99.9%</b>



**ANNOUNCEMENTS****CNMAS NOMINATING COMMITTEE**

The nominating committee for the upcoming year has been very busy. They report that a need exists for an editor for the **Burrowing Owl**, a representative to the New Mexico Audubon Council, and a Librarian. If you are interested in serving in any of these positions, or for any other position on the CNMAS Board, please contact Laura Jenkins (293-7527), Marge Carrick (266-0191), or Georgianna Costley (255-7107), who are members of the Nominating Committee.

**NOTE FROM OUR MEMBERSHIP CHAIRPERSON**

Claudia Crawford, Membership Chairperson, reports that the computer labeling system at Richards' Printing "crashed" last month and lost much of the CNMAS mailing label data. In an effort to recover the names, some duplicate labels were printed and others were not printed at all. So, if you received a duplicate **Burrowing Owl**, or none at all, blame it on the "computer!" Claudia is working with Richards' Printing to correct the mailing list. If a problem continues with your mailing label, please let Claudia know (242-7081 or 277-3411).

**NAS INTRODUCES NEW PROGRAM**

A grant from Schlitz Corp. of Milwaukee is underwriting a nature education program aimed at 4th grade classes nationwide. Marie Jo Smerechniak, a NAS representative and science teacher in the New York City schools, met on January 10th with principals and teachers of Albuquerque central core schools to introduce the program. Schools represented were Monte Vista, Reginald F. Chavez, Eugene Field, Dolores Gonzales, East San Jose, Longfellow, and Lowell. Eventually, all 4th grades in the district will be included in the plan. "Living Lightly in the City," a teacher's manual will provide detailed plans for environmental education. In addition, each 4th grade will receive a subscription to **Audubon Adventures**, the bi-monthly nature-oriented newspaper for children.

**CNMAS DIRECTORY****PRESIDENT**

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**EDUCATION CHAIRPERSON**

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**FIELD TRIP CHAIRPERSON**

Laura Jenkins, 12505 Manitoba NE, Apt. D, 87111; 293-7527

**RESEARCH CHAIRPERSON & FIELD SIGHTINGS COMPILER**

Bruce Halstead, 1825 Zena Loma Cy., NE, 87112; 299-9397

**FIELD SIGHTINGS/RARE BIRD ALERT**

Mary Lou Arthur, 728 Monroe, NE, 87110; 256-7359

**HOSPITALITY CHAIRPERSON**

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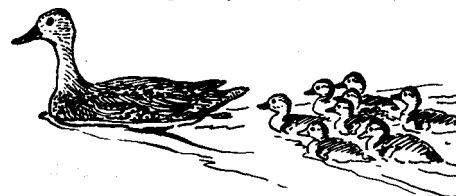
Carol Davis, 2828 Don Pancho, NW, 87104; 243-4877

**NEW MEXICO AUDUBON COUNCIL REPRESENTATIVE****EDITOR, BURROWING OWL**

Sarah Sharpton, 6332 Buenos Aires, NW, 87120; 897-2883

**CIRCULATION, BURROWING OWL**

Betty Balduc, 5400 Montgomery NE, Apt. 103-B; 87109; 883-1428

**New Mexico Audubon Council Directory****President**

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**Vice President**

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**Treasurer**

Lew Helm, 8213 Cherry Hills, Ne, Albuquerque, 87111; 821-8586

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Pat Snider, 2435 C 45th St., Los Alamos, 87544, 662-3530

**NATIONAL AUDUBON SOCIETY**

**Membership Application**

Please enroll me as a member of the National Audubon Society and of my local chapter, Central New Mexico Audubon Society. Please send Audubon magazine, Burrowing Owl newsletter, and my membership card to the address below.

NAME \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**Gift Membership**

Please enter a one-year gift membership in the National Audubon Society and send a gift announcement card.

To:  
 NAME \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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 ADDRESS \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Gift Card to read "from" \_\_\_\_\_  
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**Membership category preferred:**

- Introductory Membership (first year only)/\$20
- Individual/\$30
- Family/\$38
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- Sr. Citizen-Family/\$23
- Student/\$18
- My check for \$ \_\_\_\_\_ is enclosed.
- Bill me, please.

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Local Chapter  
 Central New Mexico Audubon Society  
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Please make checks payable to National Audubon Society, but send your check with the application form to:

**Central New Mexico Audubon Society**  
 Claudia Gayheart, Membership Chair  
 433 Maple NE,  
 Albuquerque, NM 87106

Send renewals directly to National Audubon Society. All dues and contributions are tax deductible. Send all changes in name, address, or telephone number to Claudia Gayheart.

**Who to contact:**

**The President**  
 The White House  
 Washington, DC 20500

**Honorable Pete V. Domenici**  
 Honorable Jeff Bingaman  
 United States Senate  
 Washington, DC 20510

**Honorable Steve Schiff**  
 Honorable Joe Skeen  
 Honorable Bill Richardson  
 House of Representatives  
 Washington, DC 20515

**U.S. Fish and Wildlife Service**  
 500 Gold Ave., SW  
 Albuquerque, NM 87102  
**Mr. Michael Spear, Regional Director**  
**Mr. James Johnson, Endangered Species Chief**  
**Mr. James Lewis, Whooping Crane Coordinator**

**New Mexico Department of Game and Fish**  
 Villagra Building  
 Santa Fe, NM 97503  
**Mr. Harold Olson, Director**  
**Mr. Wain Evans, Asst. Director**  
**Mr. John Hubbard, Endangered Species**

**State Game Commission**  
**Mr. Gerald Maestas, Chairman**  
 Unit 1, Box 15, La Puebla Road  
 Espanola, NM 87532  
**Dr. Thomas Arvas, Member**  
 9204 Menaul NE  
 Albuquerque, NM 87112

**Randall Davey Audubon Center**  
**Mr. David Henderson**  
 P.O. Box 9314  
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 (505)983-4609

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