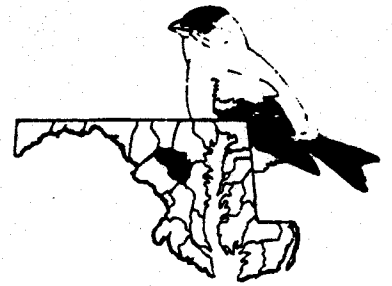




Vol 16, No 1  
Sept-Oct 1987

# Howard

A Chapter of the  
Maryland Ornithological Society



## PRESIDENT'S WELCOME - MARTHA CHESTEM

WELCOME TO OUR BIRD CLUB'S NEW SEASON--ITS FIFTEENTH YEAR! Many activities are planned for the year including a birthday celebration, but before discussing anything else I want to emphasize that the board of directors is ready to listen to ideas and suggestions from each of you all year long. Pick up the phone and call any of the individuals listed below. It is your club and your input is not only welcome but very necessary to its success and continuing growth.

The field work for the Maryland Breeding Bird Atlas Project that has occupied much of our time during the past five years is now almost complete. The statewide compilation of the information for the final report may take some time but will not require much time from us. The Howard County club's field work has been outstanding and something in which we can take pride. It has been a valuable learning experience that not only will add to our birding enjoyment but will help us in future projects.

Birding around the county these days can make one acutely aware of the changes that are taking place. The rapid population growth with its accompanying development has destroyed or drastically changed some of our choice wildlife habitats greatly affecting the species in those areas. This means our parks have become more important as a safe haven for wildflowers, animals and birds. ~~We have a good relationship with the county's Department of Recreation and Parks and have been given an opportunity to be heard in the planning process.~~ This will be one of our principal concerns this coming year.

The club will be emphasizing field trips to the local parks. I would recommend that you make frequent use of these areas in planning your own outings. It would be helpful if you would keep bird and wildflower lists during your visits. The club is compiling bird and plant lists for the major county parks which Rec and Parks will be able to make available to the public.

Enjoy the year--come on the field trips--attend the monthly meetings--and by all means bring a friend along. Howard County is growing and we have a great opportunity to enlarge our membership.

*Martha*

### ELECTED BOARD MEMBERS 1987-1988

President - Martha Chestem 730-1527  
Vice-President - Sue Hudson 442-5758  
Secretary - Sandra Goolsby 730-5345  
Treasurer - Eva Sunell 995-0029

Club Directors  
Maud Banks - 381-3240  
Don Randle - 531-6296  
State Directors  
Jane Farrell - 596-2630  
Tom Strikwerda - 942-2841  
Paul Zucker - 681-9005

SEED SALE COMING - FOR THE NINTH YEAR THE HOWARD COUNTY BIRD CLUB WILL SELL SEED AT TWO SALES DURING THE 1987-1988 YEAR. FIRST PICKUP DATE IS SATURDAY, OCTOBER 17TH. A BROCHURE IS ENCLOSED WITH THIS MAILING. RETURN IT SOON. CALL EILEEN AT 730-4362 FOR MORE INFORMATION.

# BIRDING "HOT SPOTS" IN HOWARD COUNTY - CHRIS LUDWIG - SAVAGE I

The Savage area probably has the best interconnecting trail network in the county. Thanks to a location on the Fall Line at the confluence of the Middle and Little Patuxent Rivers, the paths provide an unusually attractive mix of natural history, scenic beauty and county history. We will treat this area in three different features (not necessarily in successive newsletters).

The Wincopin Neck Trail encompasses four named trails and provides sufficient hiking for a vigorous half day. This trail is designed for the enthusiast who is in reasonably good condition for it includes some steep slopes. Much of the Main Trail (MT), Bottom Branch Trail (BBT) and Quarry Trail (QT) are wide wood-chip covered paths.

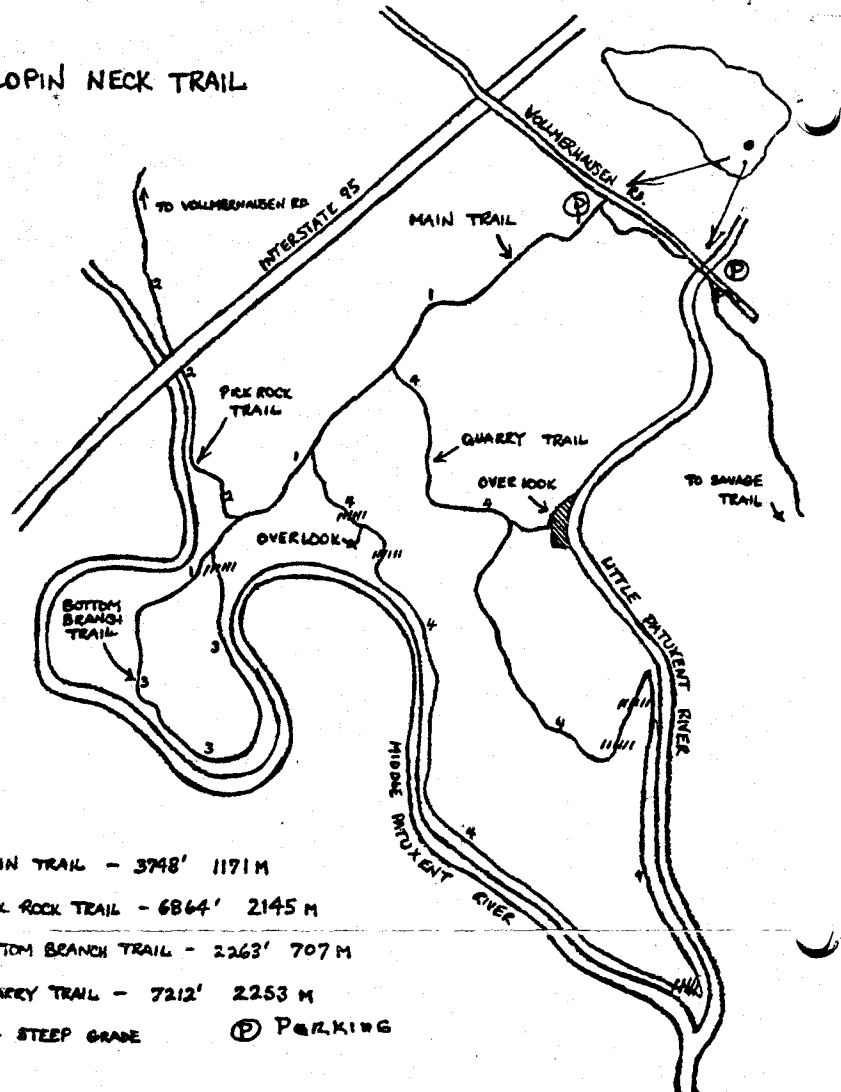
A parking lot has recently been opened .2 mile west of the bridge over the Little Pat. Riv. on Vollmerhausen Rd. Enter a drive marked 9265 & 9275. The trail veers to the right and is marked by a rock and two stone pillars. The lot is .1 mile along the trail. If there is a chain across the road, it is also possible to park on the south-

east side of the bridge and pick up the MT on the west side of the bridge as it winds through the woods. The Pick Rock Trail (PRT) can also be reached by parking on the south side of Vollmerhausen Rd. .1 mile east of Murray Hill Rd. and following the narrow path to the river. This is an unimproved trail, but it often yields a fine assortment of birds. There are no picnic tables, rest rooms or water on these trails although there are some rustic benches at strategic intervals. The PRT is mostly open to the sky, but the others are mostly shaded. At one point a toppled sycamore has been planed to provide a bridge across the Middle Patuxent River to an extension of the Savage Mill Trail, but it can only be used when the water level is low and if you are agile. This trail system will see continuing improvement in the coming years.

On the PRT look for hawks, kingfishers, cavity nesters and, in season, listen for resident warblers. The other three trails do not have as rich a bird population, but Turkey Vultures sometimes congregate in the old quarry below the overlook on the QT, Louisiana Waterthrushes are resident along the river below the quarry, owls can be seen and heard occasionally on the BB and MT, while the mix of pines and deciduous trees provides a seasonal variety of residents and migrants. Parks employees have "planted" several experimental trees in which they have created cavities as well as some logs for honeybees. Be sure to check the food plots in the autumn for birds.

Wildflowers that can be seen along the woodland portions of the trails include Lesser Celandine, Bloodroot and other spring blooms as well as the strange-looking Pennywort. Fox and deer have been spotted on the MT and PRT. Thanks to Bob & Jo Solem and Bill Eckert for information. The map is courtesy of the Department of Recreation and Parks.

## WINCOPIN NECK TRAIL



- 1 - MAIN TRAIL - 3748' 1171 M
  - 2 - PICK ROCK TRAIL - 6864' 2145 M
  - 3 - BOTTOM BRANCH TRAIL - 2263' 707 M
  - 4 - QUARRY TRAIL - 7212' 2253 M
- /////// - STEEP GRADE      P - PARKING

## CALENDAR OF PROGRAMS, FIELD TRIPS, AND SPECIAL EVENTS

Programs are held at Longfellow Elementary School, 5470 Hesperus Dr., Columbia, MD. Meeting is cancelled if schools are closed for any reason. Hospitality session at 7:30 p.m. Meeting/program begins at 8:00 p.m. Club bookstore opens at 7:30 p.m.

Field trips leave from Grempler Realty parking lot (across from the Flier building on Little Patuxent Parkway in Columbia) unless otherwise listed. Carpooling is encouraged with riders sharing cost of gas and tolls. Dress for field work with stout, reasonably waterproof footwear and layers of clothes. Trips do not always follow paths. No pets. Leaders may cancel due to inclement weather. If you have questions, contact leader or contact listed or Field Trip Chairman Michele Wright 465-6057.

- SEPT 10 - "ENDANGERED SPECIES IN MARYLAND: WHAT IS BEING DONE?" - Glenn Therres, Non-Thursday game Endangered Species Manager, State of Maryland. Projects such as those involving the Peregrine, Delmarva Fox Squirrel, and Bald Eagle will be described.



- SEPT 13 - HUGG-THOMAS WILDLIFE MANAGEMENT AREA. Leader: Dave Harvey 1-795-3117. (Local Sunday contact: Marty Chestem 730-1527). Joint trip with Baltimore MOS for fall migrants near Patapsco River. Meet at Grempler at 7:15 a.m. or parking area west of Rt. 32 on Forsythe Rd. at H-Thomas at 8:00 a.m. ½ day.

- SEPT 20 - FALL WILDFLOWER FORAY. Leader: Bob Solem 725-5037. An intensive half day Sunday in which at least two and possibly three locations will be visited to find autumn wildflowers in a variety of county habitats. Areas visited will be different from those in the July 1986 foray. Meet at Grempler at 8:00 a.m. Bring magnifying glass if you have one.



- SEPT 26 - ROCKBURN BRANCH COUNTY PARK. Leader: Ralph Geuder. Late fall migrants and Saturday a chance to become acquainted with the trail at this park. If winds are right Broad-winged Hawk flight is a possibility. Meet at Grempler lot at 7:30 a.m. ½ day. Phone inquiries 730-1527.



- ~~OCT 3 - PATUXENT RIVER PARK, JUG BAY WILDLIFE AREA. Leader: Michele Wright 465-6057. Saturday All day. Bring lunch. Ducks, fall migrants and beautiful fall foliage at a lovely location on the lower Patuxent. Extensive marsh and woods. Meet at Grempler at 7:00 a.m.~~

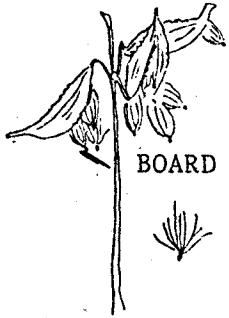


- OCT 8 - "ARE THOSE BIRDS REAL?" - Greg Kearns, Ranger Patuxent River State Park. Thursday Besides his duties at the park, Greg also does taxidermy. His talents have enabled him to create a small museum at Jug Bay. He has mounted several birds for our chapter including our impressive Great Horned Owl. With slides and specimens he will describe not only the tricks of the trade, but some of his special challenges.



- OCT 17 - SEED SALE PICKUP. Order blank enclosed with this newsletter. If you have Saturday questions, contact Eileen Clegg 730-4362.

- OCT 25 - AUTUMN HABITAT WALK: SCHOOLEY MILL COUNTY PARK. Co-sponsored with Howard Co. Sunday Dept. of Rec. & Parks. Leaders: Chuck Dupree 796-1086 & Bill Eckert 992-2464 (days). The first of this year's seasonal walks to the newest county park. Field, edge, and stream valley combine for an interesting area. Meet at the building in the park at 1:00 p.m. The park entrance is about ½ mile west of Rt. 216 on Hall Shop Rd. (St. Mark's Episcopal Church on the corner.)



BOARD MEETINGS -- A September meeting may be called by the president. A meeting is scheduled for Thursday, October 29 at 7:30 p.m. in the meeting room of the Howard County Central Library. All elected board members and committee heads should attend.



FLOWER FEATURE - BOB SOLEM AND GEORGIA MORRIS



1½ in. scarlet flowers

Stamens project through a slit in upper lip

5 petals united in a 2-lipped tube

Flowers clustered on upper portion of stalk in leaf axils

Alternate, toothed, simple, linear leaves are 2-6 in.

Plant is 2-4 ft.

CARDINAL-FLOWER - Lobelia cardinalis

HABITAT - Fresh water marshes and open woodlands with wet soil

HOWARD COUNTY BLOOMING SEASON - Mid-July to early October

FRUIT - A many-seeded capsule

FAMILY - Lobelia (Lobeliaceae)

HOWARD COUNTY LOCATION - If you attend the county fair, look for the red spikes as you cross a small stream near the entrance gate. Also try the Annapolis Rd. entrance of Centennial Park. Look for it as you cross the bridge below the raquetball courts.

SPECIAL INFORMATION -

Hummingbirds are a major pollinator of the blossoms. The common name refers to the color of the vestments of Roman Catholic cardinals.

The genus name honors the Flemish herbalist Malthias de l'Obel.

NEWS - NEWS - NEWS - NEWS - NEWS - NEWS - NEWS - NEWS

- Recreation Expo Coordinator Eileen Clegg reports that our display was well staffed and drew much favorable attention. Many thanks to Helen Thompson, Sandy Goolsby, Mildred Fitez, Marge Kupiec, Maud Banks, Jim Orgain, Jane Farrell, Linda McDaniel, Jan Randle, John Clegg, Bob & Jo Solem.
- If you have the time, the North American Bluebird Society would welcome your help for a part of the weekend of September 18-20. Individuals are needed to help register those attending, work in the bookstore, etc. The Maryland Ornithological Society is a co-sponsor of this tenth annual meeting and our chapter President Martha Chestem is organizing the convention. Call her at 730-1527.
- With this newsletter we continue Chris Ludwig's "Hot Spots" in the county for birds, wildflowers and natural history in general. He continues to welcome suggestions; call him at 796-8373. Readers will also note a new column "Flower Feature" written and illustrated by Bob Solem and Georgia Morris. They will spotlight a wildflower that can be found in the county describing the type of habitat in which it can be found, some identification clues, and a spot in the county where it has been observed. If you have suggestions for flowers to be treated, call Georgia at 498-2318 or Bob at 725-5037 (evenings for both). In coming issues of the newsletter watch for more "Travels with Jerry" (Persall) and a comparison of the earlier Howard County Atlas Project in the early '70s with the one that is being completed this year by noted biologist Chandler Robbins.
- The Howard Chapter MOS remains strongly committed to recycling despite the difficulty in doing so in this county. Help to aid the environment and to earn a small amount for the treasury by taking your aluminum cans, newspapers and bottles to the rear of the Hamilton Avnet building on Oak Hall Rd (same road as Columbia post office) 9 am-1 pm on Saturdays (except holiday weekends). Ask that your material be credited to the Howard County Bird Club.

## FIELD WORK FOR ATLAS PROJECT NEARS END - CHUCK DUPREE & JANE FARRELL

The last breeding season of the Maryland-DC Breeding Bird Atlas Project is rapidly drawing to a close. It has been a successful effort with the last push continuing through the heat of the summer. Accolades to those who atlased despite the heat, without the reward of special sightings like Karen Skuldt's Bald Eagle (see accompanying article). Another exciting record during this breeding season was the Cooper's Hawk confirmed on the nest by Mark Wallace. Bea Newkirk confirmed a Ruby-throated Hummingbird in a novel fashion. While she was visiting a greenhouse containing hundreds of blooming cacti at Wincopin Farms on Gorman Road, she watched a female hummer buzz from flower to flower drinking deeply in this hummingbird heaven. When Bea talked to an individual working there, she learned that a hummingbird had nested inside the cacti greenhouse last year and most likely had a nest there this year also. Another indication that birds are quick to adapt was the Chimney Swift nest with young Jo Solem observed in the newly opened concession building at Centennial Park. David Holmes and Mark Wallace confirmed Black Vultures in one western block when they found fuzzy young sitting on the chimney of an abandoned house.

There are areas still missing records of species we believe were there. It is especially difficult to locate owls, whip-poor-wills, woodcocks and nighthawks although much valuable data have been gathered from talking to people over the last few years at the Howard County Fair and Recreation Expo. Several species of warblers, vireos and orioles are needed in a number of blocks. It is not too late to contribute. Call Chuck at 796-1086 or Jane at 596-2630 (evenings for both) with birds of those species you have observed this year or within the past few breeding seasons.

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## EAGLES ON THE PATAPSCO: A BONUS OF ATLASING - KAREN SKULDT



On Saturday, June 20, the peak of the breeding season, I ventured out of the quarter-block in which I live to search for certain under-represented species in all four quadrants of the block. Steve Sanford accompanied me to find out what atlasing was about and to provide much needed "ears."

We headed for River Road, down river from Ellicott City on the Baltimore County side of the Patapsco to seek such rarities as Mallards, American Goldfinches, Belted Kingfishers, and herons. After spotting some ducks from a considerable distance up river, we stopped for a closer look, hoping for Wood Ducks as well as Mallards. No such luck! But we did find goldfinches gathering nesting materials. Then, with no sound, an adult Bald Eagle flew out of the woods behind us and crossed to the Howard County side. It posed near the railroad tracks for several minutes, moved to another tree where it ignored the harassment of kingbirds, then wheeled and flew down river as a train whistle shattered the calm. What a treat!

And what a flurry of activity that sighting started. Several trips back to the area during the week found the bird perched on a favorite shoreline sycamore on the Baltimore side or fishing at river's edge. These trips also produced many additional species and upgradings of breeding status for the atlas. It turns out that fishermen and commuters who frequent the area report seeing eagles there last year as well as this year. At least one birder reported sighting a Bald Eagle there in April, but he made the logical assumption that the bird was just passing through.

Early on the following Saturday morning I went back to River Road with the intention of trying to upgrade the status of several species seen earlier in the week. Of course, I drove by the favorite tree--in which an eagle perched obligingly. As I walked toward the area, a very large dark bird flew silently on the other side of the river and went into the trees. I spotted it perched in plain view in the trees near the tracks. This bird turned out to be an immature Bald Eagle. The adult in the near tree "talked" to it from time to time. After a good long look, I went back to the car for my scope and got an even better look. Eventually, the two birds flew off down the (continued on next page)

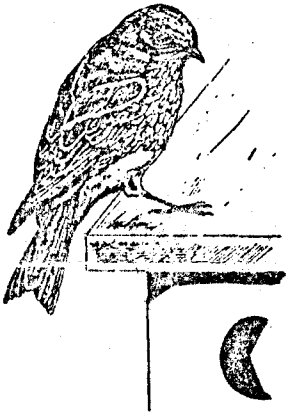
river and back into the trees on the Baltimore County side. When the birds flew, it was clear that this was a second adult for it was molting while the first one seen was not. That evening I returned again and saw the non-molting adult in the favorite perch tree.

For several weeks it was not uncommon to find an eagle in that area, but I have not seen one now for some time. It is a fairly busy road, not the sort of place one expects an eagle to choose. Is this a family? Is there a nest nearby? In the case of eagles, time will tell. It has been suggested that we look for a nest when the leaves fall. And the state biologist wants to hear from us if eagles are present during the winter months or if nest building activity such as the carrying of sticks is observed in late winter.

I'll certainly be on the lookout for such activity! I'll also be observing bird behavior in a far different way than I was prior to undertaking this atlasing project. I've been amazed by how many productive birding areas can be found close to home, and by how many nests and fledglings can be found when one works at it.

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## BANNER BLUEBIRD YEAR POSSIBLE - JOE SUESS AND MARK WALLACE



Will this be a record year for bluebirds fledged in Howard County? By all indications it could be! Warm and dry conditions in early spring mirrored those of 1985, thus encouraging pairs to begin serious nesting in early April. Add to this the abundant cicadas as a food source and many pairs appeared to be in a hurry to raise their young. One pair nesting in the Fulton area had their first brood of four out of the box on May 6th. Many second nests were begun very quickly during the height of the cicada cycle. It seemed as if Mom Bluebird was saying, "Pop, with all this food available, you feed the young ones and I'll begin our second nest." It was to watch the bluebirds bring down the cicadas in flight and then carry them to hard surfaces to extract edible parts leaving piles of wings and such at these processing stations.

The last great year for numbers of bluebirds fledged was the aforementioned 1985. We believe 1987 can top that year, but we need your reports to insure that every possible fledgling is counted. Your cooperation in this endeavor, to include counts of other cavity nesters too, will be appreciated. Reporting forms were included in the May-June newsletter. If you need another, call Joe at 854-0250 or Mark at 725-6370.

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### BIRD NOTES - - - -

- Although we tend to think of birds of prey dropping on or striking a rodent or snake to obtain food, sometimes their diets and their methods are varied. Kathy Cahill and a neighbor each observed a pair of Red-shouldered Hawks that live in their neighborhood, standing on the ground in rainy weather eating earthworms.
- Ben Dugger of McIver Road in southern Howard County recovered one of Mark Wallace's banded bluebirds when he found a male dead in his yard on the 22nd of July. The bird had been banded a little more than a mile away on the 20th of July 1984.
- Even if you do not feed birds, be sure to check the reverse side of the seed sale order blank for the announcement of an all-occasion card featuring a Belted Kingfisher commissioned by the Howard Co. MOS Bookstore and executed by local artist Suzanne Probst.

## SUMMARY OF 1987 HOWARD COUNTY MAY COUNT

by Paul A. Zucker

The 1987 Howard County May Count was conducted from 3:30 AM until 8:30 PM on May 2. There were a total of 53 participants in 18 field parties and 4 feeder parties. The totals for party miles and hours are shown on the accompanying tally sheet. Compared to previous years, this count had a good turn-out and good coverage of the county. A total of 135 species were identified (about average) and 11651 individual birds were tallied. The weather was cool in the morning (about 50 degrees) with light winds and a heavy cloud cover. There were some light showers around the middle of the day. In the afternoon the temperatures were in the seventies, and the skies were mostly overcast.

One species was seen for the first time in at least thirteen years on this count. It was the Caspian Tern and was seen by Jane Farrell, Jo Solem, and Georgia Morris. Other unusual sightings (seen three times or fewer in the preceding thirteen counts) are listed below along with the name of the party leader: Pied Billed Grebe (Chestem, McClure, Hart), American Wigeon (Williamson, Chestem), American Coot (Wallace), and Marsh Wren (Solem).

High count records (compared to the preceding thirteen counts) were set or tied for nine species: Pied-Billed Grebe, Great Blue Heron, Black-Crowned Night-Heron, Mute Swan, Spotted Sandpiper, Red-Bellied Woodpecker, Pileated Woodpecker, Cliff Swallow, and Pine Siskin.

Notably absent in this year's tally were seven species which had been identified in at least ten of the preceding thirteen counts. These were the Greater Yellowlegs, Whip-poor-will, Acadian Flycatcher, Tennessee Warbler, Cape May Warbler, Black-Throated Green Warbler (missed for the first time since before 1974), and the Vesper Sparrow.

The following people participated in the May count: Bob Bogdan, Joe Byrnes, Betty and Mike Caldwell, Marty Chestem, Mary Lou Clark, Eileen and John Clegg, Lois Conaty, Chuck Dupree, Jane Farrell, Mildred Fitez, Jane and Ralph Geuder, Richard Giannola, Caroline Halliday, Alex and Helene Hammer, Linda and Stephen Harsy, Anne and Ken Hart, Kevin Heffernan, Ann Higgins, David Holmes, Mary Janetatos, Marcia Krishnamoorthy, Marge Kupiec, Mike Leumas, Jeri Mathis, Grazina and Mike McClure, Georgia Morris, Rosamund Munro, Fran Nahrgang, Dave Pardoe, Don and Jan Randle, Chandler Robbins, Zelda Simon, Karen Skuldt, Bob and Jo Solem, Chuck Stirrat, Linda Stirrat, Mark Wallace, Charles Williams, Alexandra and Cathy and Thea Williamson, Michele Wright, Helen Zeichner, and Paul Zucker (the compiler, who was unable to count this year). Thank you all for making the count such a success!

LOON, COMMON	6
GREBE, PIED-BILL	4
MOHNERD	
CORMORANT, DBLE-C.	
BITTERN, AMERICAN	
HERON, GREAT BLUE	72
EGRET, GREAT SNOWY	
HERON, LITTLE BLUE	
EGRET, CATTLE	
HERON, GREEN-BACK	13
BLK.-CR. NIGHT	2
IBIS, GLOSSY	
SWAN, TUNDRA	
MUTE	9
GOOSE, CANADA	92
DUCK, WOOD	11
TEAL, GREEN-WING	
DUCK, AM. BLACK	1
MALLARD	138
TEAL, BLUE-WING	2
GADWALL	
WIGEON, AM.	2
SCAUP, LESSER	
BUFFLEHEAD	
MERCANSER, COMMON	3
RED-BREASTED	
DUCK, RUDDY	
VULTURE, BLACK	34
TURKEY	74
OSPREY	1
EAGLE, BALD (AD) (IM)	
HARRIER, NORTHERN	
HAWK, SHARP-SHIN	4
COOPER'S	
RED-SHOULDER	23
BROAD-WING	8
RED-TAIL	7
KESTREL, AMER.	7
PHEASANT, RN	37
GROUSE, RUFFED	
TURKEY, WILD	
BURWHITE, N.	5
RAIL, KING	
VIRGINIA	
SORA	
MOORMEN, COMMON	
COOT, AM.	1
FLOVER, BLK.-BEL	
SEMIPALM.	
KILLDEER	20
YELLOWLEGS, GREAT.	
LESSER	3
SANDPIPER, SOLITARY	28
WILLET	
SANDPIPER, SPOTTED	85
SEMIPALM.	
LEAST	2
PECTORAL	
DUNLIN	
SNIFE, COMMON	
WOODCOCK, AMER.	
GULL, LAUGHING	
BONAPARTE'S	
RING-BILLED	56
HERRING	
GRT. BLK.-BACK.	
TERN, CASPIAN	1
COMMON	
LEAST	

DOVE, ROCK	472
MOURNING	354
CUCKOO, BLACK-BILL	
YELLOW-BILL	2
OWL, COMMON BARN	
E. SCREECH	2
GREAT HORN	2
BARRED	7
NIGHTHAWK, COMMON	
CHUCK-WILL'S-WIDOW	
WHIP-POOR-WILL	
SWIFT, CHIMNEY	97
HUMMINGBIRD, RUBY-T.	5
KINGFISHER, BELTED	11
WOODPECKER, RED-HEAD	2
RED-BELLIED	196
SAPSUCKER, YEL.-BEL.	7
WOODPECKER, DOWNY	45
HAIRY	5
FLICKER, NORTH.	98
WOODPECKER, PILEATED	17
WOOD PEWEE, EAST.	2
FLYCATCHER, ACADIAN	
LEAST	
PHOEBE, EAST.	42
FLYCATCHER, GT.CREST	6
KINGBIRD, E.	38
LARK, HORNED	
MARTIN, PURPLE	36
SWALLOW, TREE	22
N. ROUGH-WING	32
BANK	1
CLIFF	48
BARN	263
JAY, BLUE	661
CROW, AMER.	374
FISH	30
SPECIES	234
RAVEN, COMMON	
CHICKADEE, BLK-CAP.	
CAROLINA	121
TITMOUSE, TUFTED	208
NUTHATCH, RED-BRST.	8
WHITE-BRST.	22
BROWN-HEADED	
CREEPER, BROWN	
WREN, CAROLINA	61
HOUSE	57
MARSH	1
XINGLET, RUBY-CR.	58
GNATCATCHER, BL-GR.	135
BLUEBIRD, E.	108
VEERY	3
THRUSH, SWAINSON'S	
HERMIT	5
WOOD	148
ROBIN, AM.	569
CATBIRD, GRAY	26
MOCKINGBIRD, N.	206
THRASHER, BROWN	28
PIPIT, WATER	
WAXWING, CEDAR	21
STARLING, EUR.	654
VIREO, WHITE-EYE	59
SOLITARY	2
YELLOW-THROAT'D	14
WARBLING	1
RED-EYED	65
WARBLER, BLUE-WING	8
GOLDEN-WING	

WARBLER, TENNESSEE	
NASHVILLE	1
PANULA, NORTHERN	67
WARBLER, YELLOW	27
CHESTNUT-SIDED	7
MAGNOLIA	2
CAPE MAY	
BLACK-THROAT BLUE	72
YELLOW-RUMPED	395
BLACK-THROAT GREEN	
BLACKBURNIAN	4
YELLOW-THROATED	1
PINE	4
PRAIRIE	21
PALM	3
BAY-BREASTED	
BLACKPOLL	
CERULEAN	2
BLACK & WHITE	25
RESTART, AM.	69
WARBLER, PROTHONOTARY	
WORM-EATING	3
OVENBIRD	84
WATERTHRUSH, NORTH.	
LOUISIANA	32
WARBLER, KENTUCKY	6
YELLOWTHROAT, COM.	139
WARBLER, HOODED	6
WILSON'S	
CANADA	
CHAT, YELLOW-BREAST	2
TANAGER, SUMMER	
SCARLET	24
CARDINAL, N.	403
GROSBEAK, ROSE-BREAST	4
BLUE	
BUNTING, INDIGO	9
TOWHEE, RUFUS-S.	208
SPARROW, CHIPPING	117
FIELD	92
VESPER	
SAVANNAH	10
GRASSHOPPER	13
SONG	124
SHAMP	6
WHITE-THROAT	537
WHITE-CROWN	17
JUNCO, DARK-EYED	
BOBOLINK	340
BLACKBIRD, RED-WING	644
MEADOWLARK, EAST.	52
BLACKBIRD, RUSTY	
CRACKLE, COM.	589
COWBIRD, BR.-HD.	149
ORIOLE, ORCHARD	4
NORTHERN	14
FINCH, PURPLE	15
HOUSE	200
SISKIN, PINE	17
GOLDFINCH, AM.	408
GROSBEAK, EVENING	13
SPARROW, HOUSE	158
WRITE-INS (DETAILS MAY BE NECESSARY)	
GULL, SPECIES	15

PARTY LEADER \_\_\_\_\_ ADDRESS \_\_\_\_\_

TIME START 3:30 AM HRS OWLING 4 HRS ON FOOT 110 HRS BY CAR 22 HRS OTHER 2  
 TIME END 8:30 PM MILES OWLING 16 MILES FOOT 78 MILES CAR 320 MI. OTHER 0

WEATHER: AM: TEMP. 50 WIND LIGHT CLOUD COVER 90 \* PRECIP shower  
 PM: TEMP. 70 WIND LIGHT CLOUD COVER 70 \* PRECIP light

PARTY MEMBERS & ADDRESSES \_\_\_\_\_

TOTAL SPECIES 135; TOTAL BIRDS ABOUT 11,651