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Cover: Glaucous Gull at Chestertown. Photo by Margery Plymire.



## GLAUCOUS GULL WINTER RESIDENT AT CHESTERTOWN

*Margery Plymire*

When Robin Newlin first discovered the gull in February, 1969, he was hardly big enough to say "glaucous," and of course nobody really believed it when he said there was a Glaucous Gull on the Chester River. It seems likely, though, that the gull was there all along, because it was finally pinned down, right where Robin said it would be. Several people, including Mrs. Edward Mendinhal and the writer, went to see it there in the spring of 1971, and all agreed that the bird was, indeed, a Glaucous Gull (*Larus hyperboreus*). We watched it leave for the north last year on the 9th of April, and at 7 a.m. on December 6th, 1971, it was back in front of the Alan Carrolls' house on the piling it calls its winter home.

The gull is nearly always on its piling until 8 o'clock in the morning, and is often there in the mid to late afternoon. This piling is just upstream from the Chester River bridge at Chestertown, and you can see him there on the Queen Annes side as you cross the Route 213 bridge. Ruth Carroll and her three children watch the bird daily as it defends the piling and chases off the other gulls that try to perch there. This tireless defense may be partly due to the fact that the gull apparently keeps a sort of cold pantry there, hanging an occasional eel on a nail near its perch.

Last year, at the end of March, I heard about the gull and found it sitting on the piling. The field marks checked with the book: heavy, light yellow bill with an orange spot on the under side; pink legs; no black anywhere. The gull began to look a bit uncomfortable, hiccupped several times, and presently disgorged a whole eel. The eel, which was about 20 inches long and quite plump, looked big enough to cause some discomfort. As the eel drifted slowly upstream on the tide, the gull flew a short distance downstream and settled on the water. In a few minutes the gull flew back to the eel and began to peck at it. When a young Great Black-backed Gull came to look at the eel, the Glaucous Gull chased it off. The similarity in size was noted. Then the Glaucous Gull came back, picked up the eel, and ingested it whole, just as though sucking it through a straw.

This bird was fun to watch, and I went back several times to look for it. On Friday, April 9th, we were promised a change in the weather with the wind shifting to the south, so at 1 o'clock in the afternoon I went to look for the gull. We knew it would leave soon, and Ruth Carroll and I watched for a couple of hours. The gull was restless from the start, flying downstream and then up, perching briefly on his piling, and then off again, chasing other gulls, landing on the water only to get up and fly again.

At 3:15 the wind had shifted, and was blowing from the southeast. Several vultures came over the river from the Kent County side, and one of them found a thermal and began to circle. The Glaucous Gull rose from the river and began to circle below the vulture. As it rose higher it began to soar, and as it soared it began to drift with the wind, higher and higher, farther and farther, until it disappeared. We waited around for an hour or so, but we knew somehow that our gull was gone.

When Ruth looked out her window at 7 o'clock on December 6, 1972, the Glaucous Gull was sitting on its piling as though it had never left. It stayed all winter and was last seen on April 24, 1972.

R. D. 2, Chestertown



Glaucous Gull leaving its piling. Photo by Margery Plymire.

## REPORT OF STATE-WIDE BIRD COUNT, MAY 6, 1972

*C. Douglas Hackman*

This was our 25th annual May Count! The counts that began in a small way back in 1948 grow larger with each passing year as more and more observers join the fun.

In 1972 we had 395 observers in the field for periods ranging from several hours to marathon 17-hour stints. These observers devoted nearly 1315 party-hours (906 on foot, 27 by boat and 381 by car) to the task of counting 145,210 individuals of 249 species and two hybrids. To achieve these totals the counters traveled nearly 5,000 party-miles (793 1/4 on foot, 4163 by car and 40 1/2 by boat.) As yet, we have had no counts from bicycles but that time is probably not far off as more and more people become devoted to the two-wheelers.

For the past two years we have achieved coverage in all 23 counties. This year, with the omission of St. Marys County, we fell one short of total State coverage. Most counties fielded more observers this year and achieved higher count totals than in previous years. Talbot, however, was not given its regular coverage and all we have for there is a good "over the shoulder" list from Jan Reese who was busy most of the day on his Osprey studies. All of the westernmost counties have steadily increased their coverage in recent years so that our list is now most respectable.

We still need additional coverage in many counties. On the Eastern Shore, all of the counties, with the exception of Dorchester, Kent and Caroline, could use additional coverage. Worcester County is covered by only small teams of observers and many species are being missed each year. Dorchester County hums along with Harry Armistead's fantastic coverage and regularly yields more than 150 species with only 1 to 3 observers. Harry's consistent count totals merely confirm that a count area or route is much like a musical instrument; the more one practices and perfects his skill the better the ultimate performance. To consistently achieve good counts, an area has to be worked for several years and has to be worked extensively.

It is still obvious that many counters are not giving much coverage to the open sky in the early morning or in the mid-afternoon. Common Loons were missed by 10 of the 22 counties, yet they are there if observers will only begin looking for them. The hawk totals demonstrate the same thing. Each year, certain counties get consistently good counts of hawks while nearby counties are consistently poor. The only possible reason for this disparity would be that observers look in the one county and not in the others. Owl totals would improve if more observers would roust themselves out in the predawn hours and hoot and howl a bit. Many observers are reporting excellent success with owl calls recorded on cassette tape recorders. Owl calling is a strange thing--most of the people who try calling become addicted to it.

As noted, county coverage was again somewhat uneven. Many counties continued with their large, well-organized teams of observers while others chugged along with only one or two teams of observers working limited areas. In the county totals that follow the number of observers fielded is indicated in parentheses:

Anne Arundel (39)	177	Garrett (22)	140	Washington (13)	89
Baltimore (77)	161	Howard (16)	132	Somerset (6)	79
Kent (45)	161	Frederick (18)	128	Calvert (1)	77
Prince Georges (17)	157	Charles (2)	109	Carroll (4)	75
Dorchester (2)	157	Worcester (5)	109	Wicomico (5)	75
Allegany (38)	144	Harford (18)	107	Talbot (1)	55
Caroline (37)	143	Queen Annes (3)	92	St. Marys (0)	0
Montgomery (22)	142	Cecil (4)	90		

For the past several years we have been in a cycle of early May counts. This has been attended by the usual grumblings about the count date being too early, etc., etc. This year's count was blessed with a later date and the totals for all species show this. Numbers of most warblers were high and there was an excellent variety. Waterfowl and winter birds which have been so prominent in the last several years were not so abundant this year. Only 12 juncos were observed this year as compared with 322 last year. White-throated Sparrows and the other winter birds were still around, but in lesser numbers.

Each year the compiler is faced with a dilemma because of a number of birds reported from unlikely areas or birds reported in unreasonably high numbers. The questions to be answered regarding these species are many. Should they be where they were reported? In such numbers? Are they consistently reported in other areas? This year the compiler has felt obliged to eliminate three Yellow-bellied Flycatchers and 20 Fox Sparrows from one count primarily because they were unaccompanied by any additional information. Last year, an exceptionally good one for winter birds, saw only 14 Fox Sparrows recorded for the entire State. The 20 recorded for one county in 1972, when none were seen elsewhere, is very hard to believe--particularly when the report originates from the Eastern Shore of Maryland. Add to this the fact that in 25 years of counting there has never been a year when more than 14 (1971) were observed in the entire State.

Even more caution and care is needed where such species as the Yellow-bellied Flycatcher are concerned. The Empidonax flycatchers are especially difficult to identify in the field, particularly if they are silent. Any bander can attest to the tremendous amount of variation that occurs among individuals within a species. Never, in the 25 year history of the counts have more than 2 Yellow-bellied Flycatchers been identified. The species has been recorded only five times since 1956. One must, therefore, question the observation of three in the same county, especially when they are the only three reported for the entire State. The compiler has little choice but to delete such records.

Doubtless, there are other species and totals that might be queried

on this or any other list compiled from the observations of 395 observers. Some of the entries on each count will appear to be questionable even to the most casual observer. Whether or not such totals end up in the list or are deleted depends in great part upon the documentation that accompanies them. A case in point is the total of 33 Glossy Ibis that appeared on the Baltimore Count this year (some also were recorded on three Shore counts). One could readily point to past records and say that only 3 have ever been found on a Baltimore Count before. So why should they appear now? The answer is simply that they were seen by a competent observer who took the time to adequately document the observation to the satisfaction of the compiler.

No first-time rarities were turned up by this year's counters. The Ringed Turtle Dove recorded on last year's May and Christmas counts is still hanging around Towson and appeared to be quite healthy at last report. Hybrid warblers, both Lawrence's and Brewster's, were observed, which duplicates a feat first accomplished in 1962. This year's Eastern Bluebird count is the second highest total recorded since 1956--a possible effect (at least locally) of the extensive nesting box program of the MOS. Counts for numerous species were record high counts.

Next year's count will also be one of the "late" counts that so many observers wish for when we are stuck with a succession of early counts. Now is the time to begin planning coverage for May 5, 1973. With a little planning and organization many of our counties could field larger and better organized teams of observers and obtain better coverage. With a total effort in all parts of the State we should be able to achieve spectacular results. Each year the coverage has been steadily improving. We look for continued improvement in the years to come.

#### Summary of Coverage

GARRETT COUNTY (Gar). 22 observers. 3:30 a.m. to 10:30 p.m.  
Glenn Austin, Lydia Beiler, Carl W. Carlson, Martha J. Cook, Dot Dawson, Alverta Dillon, Louise Dillon, Lydia Geare, John Geare, Kenneth James, Gus Johnson, Mr. & Mrs. W. G. Nemith, Gordon Paul, Katherine Plumb, Fran and Bill Pope, Dorothy Sherman, Marty Smith, Billie Taylor, Mary Trekter, Jo Walker.

ALLEGANY COUNTY (All). 38 observers. 5:45 a.m. to 7:00 p.m.  
Mrs. Janet Baldwin, Glen Bastion, Helen Brake, Barbara Branum, Bill Devlin, Dick Douglass, Gary Downton, Bill, Tuddy and Rebecca Eichelberger, Carl and Doris Fergueson, Pauline Fisher, Dale Fuller, Helen Garland, Elsie Haan, Elise Harmon, Ken Hodgdon, Jon Jansen, Dr. & Mrs. Richard Johnson, Charlotte Lanham, Nan Livingstone, Mrs. Dorothy Malec, Bill Malec, Loren Morrison, Mr. & Mrs. Joseph A. Minke, Mr. & Mrs. William G. Nemith, Jim Paulus (compiler), Mr. & Mrs. William J. Rue, Mrs. C. Gordon (Billie) Taylor, Miriam Webster, Robert Webster, Jr., John Willetts, John Workmeister.

WASHINGTON COUNTY (Was). 13 observers. 7:00 a.m. to 4:00 p.m.  
Genevieve Beck, Daniel Boone, Mr. & Mrs. L. B. Buterbaugh, Frances

Table 1. State-wide Bird Count

Species	Gar	All	Was	Fre	Mon	How	CrI	Har	Bal	Ann	Cal	PrG	Cha	Cec	Ken	Que	Car	Tal	Dor	Wic	Som	Wor	Total
Common Loon	3	4	-	-	2	1	-	4	11	3	-	3	-	-	4	7	-	3	10	-	-	-	55
Red-throated Loon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Horned Grebe	7	-	-	-	-	-	-	-	-	6	-	1	-	-	-	14	-	1	3	-	-	-	32
Pied-billed Grebe	4	1	1	1	-	-	-	-	1	2	-	4	-	3	5	-	1	-	4	-	-	2	26
Double-cr. Cormorant	-	-	-	-	-	-	-	-	2	-	-	-	-	-	21	-	-	-	1	-	-	578	605
Great Blue Heron	6	-	1	6	3	-	-	1	32	22	-	62	5	5	122	18	31	100	29	-	2	5	450
Green Heron	14	5	-	6	19	-	1	3	11	21	-	28	3	2	25	8	10	10	24	-	10	11	211
Little Blue Heron	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	3	-	-	5	11
Cattle Egret	-	-	-	-	-	-	-	13	-	-	-	-	4	27	10	11	-	-	11	1	11	21	109
Common Egret	-	-	-	-	-	-	-	-	-	-	-	-	17	-	2	56	2	30	30	-	1	17	155
Snowy Egret	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	25	-	-	73	-	2	46	148
Louisiana Heron	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2
Black-cr. Night Heron	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	12	-	-	-	14
Yellow-cr. Night Heron	-	-	-	-	1	-	-	-	7	-	-	-	1	-	-	-	-	-	-	-	-	-	9
Least Bittern	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	3	-	-	-	4
American Bittern	-	-	-	2	6	-	-	-	1	1	1	4	2	-	1	1	1	-	2	-	-	-	22
Glossy Ibis	-	-	-	-	-	-	-	-	33	-	-	-	-	-	-	-	1	-	8	-	-	59	101
Mute Swan	-	-	1	-	-	-	-	-	-	-	-	-	-	-	13	-	-	2	20	-	-	-	36
Whistling Swan	-	-	-	-	-	-	-	-	-	-	-	1	-	-	28	2	-	21	3	-	-	-	55
Canada Goose	2	-	-	-	2	-	-	12	22	2	-	162	7	16	158	200	3	15	210	2	-	9	822
Mallard	43	18	24	18	18	10	10	12	61	77	-	53	10	7	189	6	60	50	23	5	-	1	695
Black Duck	-	1	-	-	6	2	-	3	18	13	-	43	6	4	36	32	11	20	51	2	-	12	260
Gadwall	-	-	-	-	-	-	-	-	-	1	-	1	4	-	12	-	-	-	4	-	-	-	22
Pintail	-	-	-	-	-	-	-	-	-	2	-	1	-	-	2	-	-	-	1	-	-	-	6
Green-winged Teal	1	-	-	-	-	-	-	-	-	1	-	-	-	-	2	-	-	-	10	-	-	-	14
Blue-winged Teal	8	1	-	2	12	2	-	5	13	4	-	10	2	-	5	3	-	-	36	-	-	-	103
American Widgeon	4	-	-	-	-	-	-	-	-	8	-	-	-	-	19	-	-	-	5	-	-	-	36
Shoveler	2	-	-	-	-	-	-	-	-	-	-	-	1	-	4	-	-	-	-	-	-	-	7
Wood Duck	1	18	2	23	62	-	-	17	66	22	-	100	8	5	41	-	24	-	5	2	-	2	398
Redhead	-	-	-	-	-	13	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	19
Ring-necked Duck	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
Canvasback	2	-	-	-	-	-	-	-	-	2	-	-	-	-	27	-	-	-	-	2	-	-	33
Greater Scaup	-	-	-	-	-	-	-	-	-	20	-	-	-	-	5	-	-	-	-	-	-	-	25
Lesser Scaup	15	1	-	-	-	-	-	-	-	4	-	1	1	-	12	20	1	30	67	-	-	-	152
Common Goldeneye	-	-	-	-	-	-	-	-	-	2	-	1	-	-	4	1	-	-	-	-	-	-	8
Bufflehead	3	-	-	2	-	-	-	-	2	14	-	-	-	-	6	10	-	100	-	-	-	-	137
Oldsquaw	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	10	-	-	-	-	12
White-winged Scoter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	-	-	-	65
Ruddy Duck	-	-	-	-	-	-	-	-	-	8	-	-	-	-	54	-	-	-	3	-	-	-	65
Hooded Merganser	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	3
Common Merganser	-	-	-	-	4	-	-	-	-	4	1	-	-	-	-	3	1	-	-	-	-	-	13
Red-br. Merganser	-	-	-	1	-	-	-	-	-	11	-	-	-	-	-	10	-	30	3	-	-	-	55

	Gar	All	Was	Fre	Mon	How	Cr1	Har	Bal	Ann	Cal	PrG	Cha	Cec	Ken	Que	Car	Tal	Dor	Wic	Som	Wor	Total
Turkey Vulture	22	27	15	40	33	44	3	38	99	25	1	38	12	6	140	52	247	8	50	16	62	16	994
Black Vulture	-	-	-	1	2	2	-	-	3	-	-	-	-	-	47	1	7	-	1	-	2	-	66
Sharp-shinned Hawk	1	1	-	-	-	-	-	-	-	1	-	1	-	-	-	1	1	-	-	-	-	-	6
Cooper's Hawk	2	1	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	6
Red-tailed Hawk	9	2	-	1	4	8	-	2	18	3	-	6	3	2	10	-	13	-	4	-	-	-	85
Red-shouldered Hawk	9	3	-	2	11	15	1	-	10	13	-	15	-	-	1	-	6	-	2	1	-	-	89
Broad-winged Hawk	4	3	3	6	3	2	2	3	18	3	-	-	2	-	2	-	-	-	-	-	-	-	51
Rough-legged Hawk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
Golden Eagle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
Bald Eagle	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	1	1	-	6	-	-	-	14
Marsh Hawk	-	1	-	-	1	-	-	-	-	-	-	-	2	1	-	-	2	-	7	-	2	-	16
Osprey	1	1	-	3	8	-	1	-	9	7	-	5	18	-	52	20	12	200	20	-	2	5	364
Pigeon Hawk	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Sparrow Hawk	4	2	2	4	1	7	-	3	11	1	-	5	-	4	4	1	9	-	1	-	-	1	60
Ruffed Grouse	22	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
Bobwhite	-	24	26	12	82	48	2	33	67	97	10	100	4	8	206	25	229	-	28	32	17	13	1063
Ring-necked Pheasant	2	-	7	12	6	26	16	4	59	1	-	-	-	-	1	-	-	-	-	-	-	-	134
Turkey	5	13	-	-	2	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	22
King Rail	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	8	-	8	-	-	-	19
Clapper Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	5	8
Virginia Rail	-	-	-	-	-	-	-	2	5	-	-	1	1	-	-	-	3	-	43	-	-	-	55
Sora	-	-	-	-	1	-	-	3	8	1	-	-	1	-	1	-	-	-	7	-	-	-	22
Black Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-	13
Common Gallinule	-	1	-	-	-	-	-	-	-	1	-	4	-	-	-	-	-	-	6	-	-	-	12
American Coot	30	2	-	1	21	4	-	-	2	10	-	20	-	5	253	6	1	-	4	-	-	40	399
American Oystercatcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8
Semipalmated Plover	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	1	-	-	-	1	-	6
Killdeer	14	22	9	16	13	15	1	-	21	12	-	17	4	15	25	11	35	-	7	2	1	8	248
Golden Plover	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Black-bellied Plover	-	-	-	2	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	51	58
Ruddy Turnstone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	17
American Woodcock	5	3	-	-	5	10	-	-	7	5	-	12	3	-	6	2	2	-	31	1	-	-	92
Common Snipe	1	-	-	4	-	3	-	8	14	3	-	3	1	-	2	-	-	-	-	-	-	-	39
Whimbrel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6
Upland Plover	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Spotted Sandpiper	16	5	6	22	15	3	-	5	93	31	-	26	5	3	41	3	17	10	7	-	-	4	312
Solitary Sandpiper	4	3	-	12	17	5	2	3	28	15	-	15	2	-	2	2	11	-	2	1	-	-	124
Willet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	-	3	107	150
Greater Yellowlegs	-	1	-	-	7	-	-	18	78	2	-	2	-	1	22	12	97	2	18	1	6	5	272
Lesser Yellowlegs	-	7	-	-	27	-	-	-	-	1	-	1	-	-	17	2	21	-	9	-	-	-	85
Purple Sandpiper	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	14
Pectoral Sandpiper	-	-	-	-	-	-	-	-	19	-	-	-	-	-	-	2	24	-	4	-	-	-	49

	Gar	All	Was	Fre	Mon	How	Cr1	Har	Bal	Ann	Cal	PrG	Cha	Cec	Ken	Que	Car	Tal	Dor	Wic	Som	Wor	Total
White-rump. Sandpiper	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Least Sandpiper	-	-	-	6	10	-	-	-	-	7	-	3	-	-	3	11	38	-	49	-	-	-	6
Dunlin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	-	-	37	107
Short-billed Dowitcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	45
Sempalmated Sandpiper	-	4	-	-	-	-	-	-	-	-	-	-	-	-	7	-	9	4	-	-	-	28	52
Sanderling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	47
Great Black-b. Gull	-	-	-	-	-	-	-	3	-	9	-	-	-	2	21	1	-	10	8	-	-	27	81
Herring Gull	36	3	1	-	1	-	-	23	7	109	1	54	63	9	857	16	12	100	187	-	78	66	1623
Ring-billed Gull	38	-	-	-	200	-	-	251	281	451	2	72	175	355	450	23	11	4	45	-	251	98	2707
Laughing Gull	-	-	-	-	-	-	-	-	2	264	5	3	86	-	26	45	308	40	120	83	160	163	1305
Bonaparte's Gull	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	8
Forster's Tern	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	1	-	3
Common Tern	-	-	-	-	-	-	-	2	5	3	-	-	1	-	4	5	-	2	12	-	-	280	314
Least Tern	-	-	-	-	-	-	-	-	1	17	-	-	-	-	14	7	-	-	13	-	-	110	162
Royal Tern	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8
Caspian Tern	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	-	-	-	-	-	-	7	11
Black Skimmer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79	79
Mourning Dove	67	16	129	110	89	169	26	48	498	95	6	368	26	20	229	42	191	-	21	10	18	13	2191
Ringed Turtle Dove	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Yellow-billed Cuckoo	-	7	2	5	15	11	-	-	4	2	-	2	-	1	1	-	10	-	1	-	-	-	61
Black-billed Cuckoo	-	1	-	1	1	3	-	-	4	3	-	2	-	1	1	-	-	-	1	-	-	-	18
Barn Owl	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	4
Screech Owl	-	-	-	2	-	-	-	1	4	2	-	4	-	-	1	-	1	-	1	-	-	-	16
Great Horned Owl	-	-	-	-	1	1	-	1	4	1	-	2	-	-	7	-	8	-	5	-	-	-	30
Barred Owl	4	2	-	4	21	11	-	-	10	1	-	10	1	-	4	-	6	-	2	-	-	-	76
Chuck-will's-widow	-	-	-	-	-	-	-	-	-	2	-	1	-	-	14	8	1	1	12	-	-	-	39
Whip-poor-will	5	6	-	-	-	14	-	-	44	8	-	68	7	-	3	-	57	-	16	-	-	-	228
Common Nighthawk	-	1	-	-	-	1	-	-	2	-	-	-	-	-	-	-	3	1	1	-	-	-	9
Chimney Swift	32	65	93	123	93	47	42	46	284	92	17	128	25	23	75	10	122	15	16	17	21	36	1422
Ruby-thr. Hummingbird	4	5	2	10	1	6	-	4	8	17	6	14	1	2	14	2	13	2	1	1	11	1	125
Belted Kingfisher	7	8	-	8	6	5	-	4	10	17	1	10	1	4	20	-	9	-	1	-	-	2	113
Yellow-sh. Flicker	84	101	31	29	28	45	7	28	192	64	-	54	3	19	82	4	40	1	12	3	9	19	855
Pileated Woodpecker	11	21	-	7	11	3	-	-	-	12	-	8	1	-	5	-	7	-	5	-	-	4	95
Red-bellied Woodpecker	1	22	3	25	73	60	6	17	105	99	8	106	6	8	49	-	76	-	8	11	5	-	688
Red-headed Woodpecker	12	2	-	3	2	-	4	-	1	-	-	1	1	-	1	-	1	-	-	-	-	2	30
Yellow-bellied Sapsucker	-	4	2	-	1	-	-	1	5	-	-	-	-	-	-	-	-	-	-	-	1	-	14
Hairy Woodpecker	15	15	1	3	5	9	1	2	18	15	2	5	-	5	6	-	7	-	3	-	-	-	112
Downy Woodpecker	27	40	12	32	59	71	1	12	116	56	4	44	2	3	28	-	45	-	4	3	2	-	561
Eastern Kingbird	29	8	8	16	49	42	5	9	59	60	3	62	4	14	87	2	48	1	20	2	2	1	531
Gr. Crested Flycatcher	2	12	2	31	52	17	2	10	53	39	1	25	1	4	10	1	52	2	21	12	8	-	357
Eastern Phoebe	23	44	2	7	33	19	2	10	62	19	4	24	7	3	5	-	27	-	-	4	-	1	296
Acadian Flycatcher	-	-	3	3	32	21	-	4	9	30	3	7	1	2	-	-	8	-	4	-	-	1	128

	Gar	All	Was	Fre	Mon	How	Cr1	Har	Bal	Ann	Cal	PrG	Cha	Cec	Ken	Que	Car	Tal	Dor	Wic	Som	Wor	Total
Traill's Flycatcher	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3
Least Flycatcher	19	3	-	2	-	4	-	-	2	1	-	1	-	-	-	-	-	-	-	-	-	-	32
E. Wood Pewee	-	2	-	-	9	7	-	1	8	11	-	3	1	2	1	-	15	-	-	-	-	-	60
Olive-sided Flycatcher	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Horned Lark	18	-	10	2	5	2	3	1	2	7	-	4	2	9	-	-	48	-	22	2	1	-	138
Tree Swallow	57	8	9	5	159	14	3	45	217	46	31	172	1	15	154	13	79	-	105	1	-	34	1168
Bank Swallow	-	18	-	-	3	1	1	-	44	438	-	16	2	12	336	4	2	-	2	-	-	-	879
Rough-winged Swallow	12	36	-	42	26	10	4	11	28	47	-	1	1	-	13	-	24	-	3	-	-	-	258
Barn Swallow	109	114	61	127	109	177	45	61	812	279	29	231	68	39	389	81	434	30	230	51	78	288	3842
Cliff Swallow	18	3	-	-	-	6	3	-	143	8	-	-	-	-	31	-	-	-	-	-	-	-	212
Purple Martin	97	21	29	33	8	91	-	12	102	19	6	144	15	11	291	37	264	10	150	3	43	32	1418
Blue Jay	258	275	107	630	1097	1261	45	200	2806	1817	22	455	31	66	310	75	238	2	29	31	12	17	9784
Common Raven	4	1	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
Common Crow	200	74	72	146	170	124	27	77	590	128	4	162	11	29	153	60	193	18	40	21	13	25	2337
Fish Crow	-	-	-	14	10	4	1	23	17	51	5	24	4	5	30	-	3	3	43	-	10	6	253
Black-c. Chickadee	90	42	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	136
Carolina Chickadee	-	8	15	48	106	114	5	66	289	191	13	86	11	24	65	-	113	2	18	23	8	12	1217
Tufted Titmouse	29	126	17	58	157	128	13	61	219	242	14	173	15	14	60	7	116	-	13	13	10	6	1491
White-br. Nuthatch	37	25	6	13	24	6	7	1	30	7	-	5	1	-	1	-	-	-	-	1	-	-	164
Red-br. Nuthatch	4	3	-	1	-	-	-	-	-	1	-	-	-	-	2	-	2	-	-	-	-	-	13
Brown-h. Nuthatch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	4	-	6
Brown Creeper	-	-	-	1	-	-	-	-	2	2	-	-	-	-	2	-	-	-	-	-	-	-	7
House Wren	56	14	29	73	137	28	4	15	212	44	2	36	1	2	34	1	18	-	4	1	16	14	741
Winter Wren	2	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	4
Bewick's Wren	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Carolina Wren	1	23	10	22	66	44	2	29	162	134	12	95	17	6	72	3	67	2	15	6	10	2	800
Long-b. Marsh Wren	-	1	-	1	5	-	-	1	36	2	-	7	1	-	13	9	8	-	155	-	-	-	239
Short-b. Marsh Wren	-	-	-	-	-	-	-	-	-	1	-	1	-	-	2	-	-	-	3	-	-	-	7
Mockingbird	3	51	25	26	63	81	17	52	326	187	4	203	14	20	264	84	140	1	19	22	23	24	1649
Catbird	75	90	48	103	203	191	8	41	425	103	3	131	26	15	102	21	105	-	22	16	33	30	1791
Brown Thrasher	55	54	27	38	21	65	3	31	109	82	4	47	7	6	102	9	100	-	2	5	6	7	780
Robin	409	454	174	278	166	298	41	169	1321	444	36	291	12	193	555	147	369	14	85	75	47	40	5618
Wood Thrush	105	73	10	66	70	142	9	22	205	181	14	126	13	13	51	-	139	-	18	15	2	3	1277
Hermit Thrush	2	5	-	2	3	1	-	-	3	3	-	1	-	-	1	-	1	-	-	-	-	-	22
Swainson's Thrush	1	2	-	1	1	2	-	1	9	5	1	4	-	-	-	-	-	-	-	-	-	-	27
Gray-cheeked Thrush	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2
Veery	27	1	-	6	2	5	-	-	23	5	-	9	1	-	-	-	1	-	1	-	-	-	81
E. Bluebird	22	25	8	6	48	9	1	2	7	22	5	53	4	-	-	3	15	-	1	-	1	-	232
Blue-gr. Gnatcatcher	22	54	7	53	187	74	6	32	88	66	6	48	7	-	11	-	57	-	11	1	4	-	734
Golden-cr. Kinglet	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Ruby-cr. Kinglet	18	19	10	59	3	41	-	3	16	11	1	7	-	-	3	-	1	-	-	-	-	-	192
Water Pipit	-	-	-	-	11	-	-	-	2	8	-	-	-	-	-	-	25	-	-	-	-	-	46

	Gar	All	Was	Fre	Mon	How	Cr1	Har	Bal	Ann	Cal	PrG	Cha	Cec	Ken	Que	Car	Tal	Dor	Wic	Som	Wor	Total
Cedar Waxwing	-	26	24	27	154	29	7	4	82	63	-	190	-	-	118	-	-	-	-	-	-	-	724
Loggerhead Shrike	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	-	-	-	-	5
Starling	241	296	4055	584	587	444	205	323	2125	823	40	746	13	382	740	135	833	5	155	71	86	80	12969
White-eyed Vireo	6	2	-	1	17	85	1	18	57	97	2	65	8	3	21	2	52	-	21	20	13	3	494
Yellow-thr. Vireo	-	7	2	13	18	19	2	3	14	32	-	15	4	-	-	-	1	-	1	-	1	-	132
Solitary Vireo	17	3	2	4	-	5	1	-	6	8	-	3	-	-	-	-	-	-	-	-	-	3	52
Red-eyed Vireo	3	28	7	42	91	76	5	19	126	306	34	176	22	4	42	1	65	-	26	10	3	6	1092
Philadelphia Vireo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
Warbling Vireo	-	11	8	1	23	1	-	9	6	3	-	1	-	7	2	1	1	-	-	-	-	-	74
Black-&-white Warbler	16	4	-	1	10	31	2	-	52	68	-	20	2	2	5	-	24	1	8	21	5	9	281
Prothonotary Warbler	-	5	-	-	28	-	-	2	6	10	-	11	5	-	1	-	32	-	5	2	1	3	111
Worm-eating Warbler	4	1	-	5	-	12	1	-	12	28	1	7	-	1	-	-	2	-	5	2	3	2	86
Golden-winged Warbler	3	1	-	-	1	3	1	-	1	6	-	7	-	-	-	-	-	-	-	-	-	-	23
Brewster's Warbler	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
Lawrence's Warbler	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	2
Blue-winged Warbler	-	1	-	23	6	18	-	1	17	12	1	20	-	-	-	-	3	-	-	1	-	1	104
Tennessee Warbler	1	1	-	-	7	3	-	-	9	2	-	2	-	2	-	-	-	-	-	-	-	-	27
Nashville Warbler	2	12	1	1	13	7	-	-	18	15	-	4	-	-	-	-	-	-	-	-	-	-	73
Parula Warbler	10	6	-	5	54	52	1	16	74	156	6	68	5	3	4	1	22	-	5	8	-	1	497
Yellow Warbler	85	61	16	3	15	23	1	26	129	31	1	37	1	13	35	2	11	-	20	-	6	15	531
Magnolia Warbler	9	3	-	-	7	2	3	-	9	7	-	3	-	-	2	-	1	1	-	-	-	2	49
Cape May Warbler	22	-	-	6	19	5	-	1	5	12	-	-	-	-	-	1	-	-	-	-	-	2	73
Black-thr. Blue Warbler	10	2	1	32	26	18	1	18	40	35	-	11	1	4	1	-	4	-	3	-	-	-	207
Myrtle Warbler	40	40	27	129	386	74	3	26	165	647	2	238	3	48	53	31	72	-	38	16	15	13	2066
Black-thr. Green Warbler	52	14	-	14	8	19	-	-	44	29	1	12	-	-	1	-	1	-	-	-	-	2	197
Cerulean Warbler	3	7	-	8	33	10	-	-	3	13	-	15	-	-	-	-	-	-	-	-	-	-	92
Blackburnian Warbler	32	11	2	3	6	9	-	2	14	21	-	5	-	-	-	-	-	-	-	-	-	-	105
Yellow-thr. Warbler	-	5	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	4	1	-	1	13
Chestnut-s. Warbler	44	7	3	6	5	8	-	-	24	10	1	5	-	1	-	-	-	-	-	-	-	-	114
Bay-breasted Warbler	4	-	-	-	-	-	-	-	2	1	-	9	-	-	-	-	-	-	-	-	-	-	16
Blackpoll Warbler	-	-	-	-	24	1	-	-	17	7	1	7	-	6	-	-	1	-	2	-	-	-	66
Pine Warbler	2	2	-	-	-	-	-	-	12	25	-	5	-	-	3	1	1	2	25	1	9	-	88
Prairie Warbler	12	5	-	1	12	25	6	11	83	90	-	26	10	-	40	-	5	-	8	-	21	1	356
Palm Warbler	-	-	-	-	1	-	-	-	-	1	-	-	-	-	2	-	-	-	-	-	-	1	5
Ovenbird	44	32	1	16	1	63	1	5	87	104	9	64	4	3	3	-	22	-	8	4	5	7	483
Northern Waterthrush	2	4	1	1	14	8	-	-	11	5	-	25	-	-	-	-	-	-	1	1	-	1	74
Louisiana Waterthrush	4	4	1	21	14	11	1	4	16	16	3	1	2	-	-	-	11	-	-	-	-	-	109
Kentucky Warbler	-	2	-	8	5	24	-	-	13	33	3	19	2	2	1	-	13	-	2	-	-	-	127
Mourning Warbler	1	-	-	-	1	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	4
Yellowthroat	74	60	2	28	104	131	9	31	293	158	10	119	27	7	157	7	115	-	82	13	20	23	1470
Yellow-br. Chat	4	10	-	21	47	63	1	5	66	35	-	24	9	1	6	2	23	-	28	1	2	-	348
Hooded Warbler	1	4	1	4	-	14	-	-	3	57	5	13	2	-	4	-	-	-	-	-	-	1	109

	Gar	All	Was	Fre	Mon	How	CrI	Har	Bal	Ann	Cal	PrG	Cha	Cec	Ken	Que	Car	Tal	Dor	Wic	Som	Wor	Total
Wilson's Warbler	1	6	-	-	3	3	-	-	-	1	-	3	1	-	-	-	-	-	-	-	-	-	18
Canada Warbler	7	1	-	-	-	-	-	1	4	3	-	5	-	-	1	-	-	-	-	-	-	-	22
American Redstart	19	3	4	350	89	48	-	4	67	130	3	97	8	-	7	5	3	-	1	10	-	4	852
House Sparrow	82	97	144	516	84	84	68	135	740	167	50	187	45	218	529	60	647	-	100	65	23	31	4072
Bobolink	24	5	-	-	32	25	1	-	39	5	13	28	-	-	-	-	13	-	3	-	50	-	238
E. Meadowlark	83	67	64	143	71	74	16	42	111	30	7	40	11	49	93	37	121	-	56	-	18	8	1141
Red-winged Blackbird	490	510	203	352	358	360	42	366	1244	471	32	426	72	193	1754	217	975	10	865	10	178	190	9318
Orchard Oriole	-	3	15	9	35	5	-	-	7	8	7	6	-	1	25	1	31	-	21	1	1	-	176
Baltimore Oriole	45	72	31	69	61	26	-	28	202	38	1	24	1	17	30	-	35	-	5	2	-	-	687
Rusty Blackbird	8	-	-	-	15	-	-	-	4	3	-	7	-	-	-	-	-	-	-	-	-	-	37
Boat-tailed Grackle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	22	42	77
Common Grackle	328	662	3070	742	771	750	258	434	1282	1798	50	602	105	266	1424	263	1781	100	715	159	121	301	15982
Brown-headed Cowbird	165	374	823	353	114	175	13	63	316	240	14	110	10	93	123	26	171	3	125	4	39	12	3366
Scarlet Tanager	16	19	1	14	18	34	6	4	56	86	4	58	5	6	14	2	39	-	2	1	1	6	392
Summer Tanager	-	-	-	-	3	-	-	-	-	3	-	-	-	-	-	-	9	-	11	-	1	-	27
Cardinal	54	243	64	105	299	361	10	133	639	447	33	293	31	82	735	48	358	5	84	72	52	23	4171
Rose-br. Grosbeak	14	10	3	18	14	7	-	2	23	11	2	3	-	2	3	-	1	-	-	1	-	-	112
Blue Grosbeak	-	3	-	-	-	1	-	2	-	2	1	1	-	2	2	-	31	-	1	-	-	-	46
Indigo Bunting	2	19	9	8	91	39	-	26	45	28	3	25	6	6	21	3	24	-	1	4	-	-	360
Evening Grosbeak	63	63	36	67	28	50	-	13	101	87	2	76	1	-	107	-	125	4	6	27	1	6	863
Purple Finch	14	38	134	271	39	105	-	15	225	98	-	5	-	1	14	-	2	-	-	-	-	-	961
House Finch	-	-	-	-	3	-	-	-	30	-	1	1	-	-	51	-	-	-	-	-	-	-	86
Pine Siskin	-	33	-	8	14	17	-	-	93	49	-	-	-	-	25	-	1	-	-	3	-	-	258
American Goldfinch	218	1538	222	682	687	426	31	291	1490	533	97	654	53	29	614	54	273	-	53	8	37	-	7990
White-w. Crossbill	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Rufous-s. Towhee	266	107	16	69	78	162	4	36	356	241	16	138	22	29	101	14	175	-	30	12	33	36	1941
Savannah Sparrow	5	-	2	-	13	1	-	1	4	1	-	7	5	-	12	3	21	-	21	-	20	-	116
Grasshopper Sparrow	4	1	8	41	15	24	-	2	27	14	-	21	4	4	10	-	32	-	7	-	-	-	214
Henslow's Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	3
Sharp-t. Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	3	4
Seaside Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2	56	-	1	2	62
Vesper Sparrow	6	2	4	9	3	5	2	1	6	2	-	3	-	-	1	-	25	-	-	-	-	-	69
Slate-col. Junco	4	-	3	-	-	-	-	-	2	2	-	-	-	-	-	-	1	-	-	-	-	-	12
Tree Sparrow	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Chipping Sparrow	244	149	26	110	32	43	14	51	243	102	18	120	6	14	245	5	176	2	48	18	28	7	1701
Field Sparrow	116	42	10	40	146	214	10	27	143	95	12	68	10	19	82	14	87	-	9	1	10	3	1158
White-cr. Sparrow	5	11	16	3	-	11	-	-	2	3	3	3	-	-	30	-	9	-	-	-	-	-	96
White-thr. Sparrow	23	116	35	90	86	167	1	24	178	94	6	51	3	5	25	6	134	11	12	11	8	2	1088
Lincoln's Sparrow	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2
Swamp Sparrow	11	-	-	10	10	6	-	2	59	5	-	16	3	-	40	1	5	-	1	-	-	4	173
Song Sparrow	112	98	39	38	119	100	19	69	319	59	21	83	8	108	158	15	40	1	18	2	22	46	1494
TOTAL SPECIES	140	144	89	128	142	132	75	107	161	177	77	157	109	90	161	92	143	55	157	75	79	109	249
TOTAL INDIVIDUALS	5609		10200		9111		1130		22602	805		9500	1336		14274		11255		5393		1866		145210
TOTAL PARTY-HOURS	89	89	9	41½	88½	91	8½	27	262	121	5	100	20	10½	143	15	127	8	20½	17	13	9½	1314½

Cutchall, Mr. & Mrs. Robert Eckstine, Lois Downin, Beulah Green, Margaret Long, Alice Mallonee, Dick Paylor, Dr. R. S. Stauffer.

FREDERICK COUNTY (Fre). 18 observers. 5:30 a.m. to 5:30 p.m.  
William Meredith, John Richards, Ruth Richards, Richard A. Rowlett, Lloyd E. Logan, Charles Mullican, William Shirey, Dr. & Mrs. Howard Hodge, Mrs. Mary Motherway, Mrs. Linda Smith, Capt. Albert McManus, Miss Sarah Quinn, Mrs. Kaye Clayton, Mr. & Mrs. Robert Alexander, Capt. William Czajkowski, Mrs. Francis Ann Gilbert.

MONTGOMERY COUNTY (Mon). 22 observers. 6:30 a.m. to 6:30 p.m.  
R. L. Caswell, Ellen Caswell, Vincent C. Jones, Charles D. Cremeans, Robert Pyle, Peter Pyle, T. L. Eliot, Dr. & Mrs. Harvey Mudd, Claudia Wilds, C. N. Mason, Mr. & Mrs. Evan B. Hannay, Frank Witebski, Richard C. Carlson, Lester Holtsclag, Ted and Lola Oberman, Ella Pfeiffer, Thomas M. Valega, Sr., Thomas M. Valega, Jr., Paul W. Woodward.

HOWARD COUNTY (How). 16 observers. 3:50 a.m. to 9:15 p.m.  
George Chase, Morris Collins, Win Dyer, Aelred Geis, Luther Goldman, Larry Hood, Gary Keaton, Erwin Klaas, Duncan MacDonald, Rosamond Munro, Dorothy Rauth, Chandler and Eleanor Robbins, Jay Sheppard, Joanne Solem, Paul Wagner.

CARROLL COUNTY (Crl). 4 observers. 6:55 a.m. to 9:30 p.m.  
Elmer and Jean Worthley, Zola Cantrell, Margaret Allick.

HARFORD COUNTY (Har). 18 observers. 6:00 a.m. to 5:00 p.m.  
John Wortman, Adel Wortman, Paul Scharf, Kim Spittler, David J. Smith, Nel Smith, Hammond Brandt, Thirza Brandt, C. D. Hackman, Rodney B. Jones, Eleanor Jones, Mrs. Barbara Larabee, Mrs. Yatsevitch. Also the following members of the Madonna Garden Club: Barb, Randy, Missy, Boots, M. Sue.

BALTIMORE COUNTY (Bal). 77 observers. 12:01 a.m. to 10:00 p.m.  
Burton Alexander, Helen Allison, Mrs. Wm. Anderson, Tom Andres, David Belcher, Mrs. Wm. Brainard, Doris Brumback, Kyle Cantwell, Dolores Chalk, Dot Clark, Edith Conley, Joan Cook, Sanford and Priscilla Corey, Bill Corliss and 5 unnamed helpers, Compton Crook, John Cullom, Dr. & Mrs. Walter Dandy, Chuck Endres, Betty Fanshaw, Dr. Betty Fisher, Alice Friedel, Douglas Frost, Lansing Fulford, Janet Gailey, Janet Ganter, Shirley Geddes, Rose Geringer, Marian Glass, Doug and Linda Hackman, David Holmes, Ned Humphrey, Craig and Clark Jeschke, Dr. & Mrs. J. T. H. Johnson, Alice Kaestner, Haven Kolb, Dick Krahe, Barbara Larrabee, Ono Lescure, Bud Letsch, Mr. & Mrs. Robt. Lyon, Margaret Markham, R. Taylor McLean, Stewart McLean, Mrs. J. H. Mulholland and David, George Newcomer, Patsy Perlman, John Poteet, James Poultney, Phyllis Raviesies, Nancy Rowe, Eleanor Russell, Jean Sauers, Joe Schreiber, Marge Shipley, Mr. & Mrs. F. Lester Simon, Chris & Eddie Slaughter, John R. Smith, Patrick Smyth, Eileen Spring, Mrs. Leo Vollmer, Joy Wheeler, Frances Yatsevitch.

ANNE ARUNDEL (Ann). 39 observers. 5:20 a.m. to 8:30 p.m.  
Mrs. Claude Alexander, Anne Anderson, William Anderson, Rena Bishop, Mr. & Mrs. Charles Buchanan, Danny Bystrak, Paul Bystrak, Linda Bystrak,

Steve Bystrak, Amelia Cochran, Mr. & Mrs. Jeff Creyke, Paul DuMont, Bob Dwight, John Eddy, Marion Eddy, Pat Flory, Ellen Gizzarelli, Lynn Hanson, Sally Henderson, Mr. & Mrs. R. E. L. Johnson, Carol Lynn Jones, Morgan Jones, Mrs. Franklin Knipp, Mr. & Mrs. George Metcalf, Dr. & Mrs. Duncan Neilson, Mrs. William Passaso, Mr. & Mrs. Mack Plant, Mr. & Mrs. Doug Rhodes, Godfrey Rockefeller, Ann Schmeisser, Sara Symington, John Symonds.

CALVERT COUNTY (Cal). 1 observer. 7:00 a.m. to 12:00 p.m.  
John Fales.

PRINCE GEORGES COUNTY (PrG). 17 observers. 2:45 a.m. to 9:00 p.m.  
Ralph Andrews, Portia Baughman, B. C. Getchell, Charles Hills, Melvin Kleen, M. Kathleen Klimkiewicz, Marjorie Koester, Jerry Longcore, Joan C. Lusby, Elwood Martin, Helen Meleney, Jon Millar, Bill Murphy, Larry Murphy, J. W. Oberman, Eleanor Robbins, Mike Sorensen.

CHARLES COUNTY (Cha). 2 observers. 5:30 a.m. to 9:30 p.m.  
E. H. Schell, V. Ray Taylor.

CECIL COUNTY (Cec). 4 observers. 6:00 a.m. to 6:00 p.m. (not continuous). Bert Morgan, Margaret Smithers, Elizabeth Smithers, Edgar E. Folk, III.

KENT COUNTY (Ken). 45 observers. 3:00 a.m. to 7:00 p.m.  
Gerry Gardner, Hilda Kane, Floyd Parks, Robin Newlin, Pat Volker, Mary Reifschneider, Terry Carroll, Michelle Carroll, Lucille Gardner, Mrs. Grover Carter, Mrs. Harry Carter, Mrs. Lloyd Stevens, Ed Folsom, Kenneth Fletcher, Mary Brown, Bill Brown, Clark Webster, Helen Webster, Hugh Galbreath, Brenda Galbreath, Mary Ann Emerine, Pat Wilson, John Damm, George Damm, Roy Ruhnka, Harold Rush, Jim Terry, Tony Delario, Kay McAlpin, Winnie Suydam, Howard Bailey, Edward Mendinhall, Dorothy A. Mendinhall, Margery Plymire, James Newlin, Penny Moffett, Jimmie Gruber, Sam Goodfellow, John Hansen, Arline Delario, Kathleen James, Mary Belle Damm, Thomas W. Eliason, Virginia Eliason.

QUEEN ANNES COUNTY (Que). 3 observers. 7:45 a.m. to 8:45 p.m.  
Shirley and Robert Mallalieu, Paul DuMont.

CAROLINE COUNTY (Car). 37 observers. 3:00 a.m. to 8:45 p.m.  
Winifred Bright, Margaret Butenschoen, Daniel Callaway, Darryl Callaway, Gregory Callaway, Ethel Engle, Wilber Engle, Connie Fletcher, Jerry Fletcher, Roberta Fletcher, Inez Glime, Winfield Henning, Marvin Hewitt, Naomi Hewitt, Alicia Knotts, Carman Leggett, Roberta Leggett, Kathleen McKee, Raymond McKee, Terry Moore, Essie Pepper, Aldridge Pepper, Ethel Poore, Elaine Robbins, Jimmy Robbins, Mary Robbins, Tom Robbins, Christian Snyder, A. May Thompson, Ed Unger, Ida Unger, Steve Westre, David Wooters.

TALBOT COUNTY (Tal). 1 observer. 7:00 a.m. to 3:00 p.m.  
Jan Reese.

DORCHESTER COUNTY (Dor). 2 observers. 12:01 a.m. to 8:30 p.m.  
Harry and Liz Armistead.

WICOMICO COUNTY (Wic). 5 observers. 6:00 a.m. to 6:00 p.m.  
James Truitt, Helen Ferrand, Charles Vaughn, Bill Johnson, Mrs. W. D. Denit.

SOMERSET COUNTY (Som). 6 observers. 7:00 a.m. to 4:00 p.m.  
Mrs. Gertrude Oakman, Mr. & Mrs. Charles Vaughn, Mr. John Anderson, Miss Martha Simpkins.

WORCESTER COUNTY (Wor). 5 observers. 6:35 a.m. to 7:10 p.m.  
Mary and Lyman Bryan, Peggy and Walter Bohanan, Donald H. Messersmith and 30 class members and guests (in Pocomoke Swamp).

3033 Woodside Ave., Parkville 21234



## THE PRESIDENT'S PAGE

### MARTINS AND THE HURRICANE

Those of us who are fortunate enough to have established a thriving colony of Purple Martins (*Progne subis*) near our homes can enjoy every spring and summer one of the most delightful experiences in birding without leaving our own back yards. This year, however, a major tragedy befell the martins throughout much of the east as a result of almost unprecedented unfavorable weather conditions during the week of June 18 when Tropical Storm Agnes wrought so much havoc. The sad plight of our own martin colony is related here as an example of similar experiences reported from widespread areas in Maryland, Virginia, West Virginia, Pennsylvania, and Ohio.

Among birds, Purple Martins are unusually sensitive to inclement weather since they live almost exclusively on flying insects that are caught on the wing. If insects don't fly, martins don't eat. It is as simple as that. And if this happens while the young birds are in their nests the results can be catastrophic.

The martin nesting season throughout most of the affected area was at its height during the week of June 18. Young birds were in most of the nests of well-established colonies, although some of the newer colonies still had unhatched eggs.

Our colony consisted of 14 nesting pairs in two martin houses, one a lightweight aluminum house and the other a heavy homemade wooden house. All 14 nests contained nestlings. At the beginning of the week the broods ranged in age from 1 to 12 days and in all there were approximately 50 healthy nestlings, which with 28 adults made a thriving colony of about 78 birds. What a joy it was to watch these happy birds during their meal times which were continuous from 5 a.m. until 8 p.m.

But the weather was bad and became continually worse as the week progressed. Rain fell every day of the week except Saturday, and greatly reduced the supply of flying insects. During the first three days,

however, the rain was intermittent and by working hard the martins were able to collect enough food to support the colony, although probably on meager rations. But late on Wednesday and on Thursday Agnes really poured it on and 9 to 12 inches of rain fell in the area, nearly a whole summer's normal supply in less than two days. To make matters worse the weather turned unseasonably cold with daytime maximum temperatures in the 50's.

Under these weather conditions the flying insects on which the martins' lives depend virtually disappeared and the 50 hungry nestlings cried in vain for food. The adults spent their time brooding their nestlings or sitting dejectedly on the porches of their houses, wisely conserving their energy and knowing that any search for food would be futile.

On Friday the weather remained very cold and a light rain continued to fall. The pitiful pleas of the baby martins became weaker, so we decided to lower the easily lowered aluminum house and do whatever we could to help. Most of the nestlings were dead including a beautiful 17-day-old brood of six. Five of the living baby birds were cold and limp, unable to utter a sound, and obviously near death. These 10- and 15-day-old nestlings we took into our house, warmed them, and force fed them with raw ground beef enriched with vitamins and minerals. This unnatural but nutritious diet plus the warmth of a heating pad revived all of them and they gained strength rapidly. By the next morning they were quite vigorous and started to accept food readily without the need for force feeding.

Saturday dawned cold but clear. It was still too cold for any insects to fly. There were still feeble sounds of martin babies in the wooden house which we hadn't lowered previously because to do so is a major operation. Late that morning we solicited the needed help and lowered the massive wooden house to a height of 8 feet where we could get to it easily with a stepladder. We found it to contain 12 dead martin nestlings and 21 that, though weak, had miraculously survived the period of near starvation. So we proceeded to remove the dead birds from the compartments with a long wire hook. At the same time we placed our overnight guests in nests with other nestlings of approximately the same ages.

While I was busy with these tasks the temperature rose rapidly under the warm June sun, at long last insects started to fly, and the adult martins were in a frenzy as they swarmed into their compartments with precious food for their starving babies. So intent were they on getting food to their young quickly that they ignored me completely as I stood on the ladder examining nests within inches of where they were alighting to feed their nestlings. This amazing display of courage, seemingly prompted by the urgency of the situation, was never repeated on later less urgent occasions when I examined the nests.

It appeared that the crisis was over, but during the next two hours four dead or dying adult male martins were found, two on the ground near

the colony, one on the porch of the martin house, and one in a compartment it evidently had entered to feed its young. Several other adult martins appeared to be on the verge of collapse and probably died. After a week of inadequate food and two days of almost complete starvation and inactivity it would seem that the sudden burst of strenuous activity involved in getting food to the starving nestlings as quickly as possible was more than some of the birds could endure, so they simply collapsed and died of hunger and exhaustion. Their bodies appeared to be severely emaciated from starvation.

The five 10- and 15-day old nestlings that we had revived from near death and boarded for 24 hours, and that we had then placed with other broods for adoption survived to our great satisfaction, showing that rescue operations of this kind can be effective. This experience also demonstrates the great advantage of a martin house that can easily be lowered and opened in emergency situations.

At the end of the tragic week 29 of the original 50 nestlings and an estimated 8 of the original 28 adult martins had perished. Later when the surviving nestlings were fledged, some of them were unable to fly and perished on the ground. They evidently had never fully recovered their strength even though they were of normal fledging age and size. One wonders whether any of the young birds that finally survived are vigorous enough to survive their forthcoming long trip to Brazil.

Since similar and in some places worse weather conditions prevailed over wide areas of the eastern United States, the martin population of the whole region has without doubt suffered severely and may require several years to recover. If the cold wet weather had lasted one more day it is doubtful that any martin nestlings and possibly very few adults would have survived. Some renesting has been reported from a few places, but this does not appear to have been general. We and the surviving martins can only hope for better luck next year.

*Lawrence Zeleny*



## CHAPTER PRESIDENTS, 1972-73

Allegany:	Mr. James Paulus, Box 35, Oldtown, Md. 21555	395-5178
Anne Arundel:	Lt. Cdr. Anthony White, Rt.1, Box 441, Deale	261-5035
Baltimore:	Mr. Gordon MacGregor, 5009 Greenleaf Rd. 21210	435-3044
Caroline:	Mrs. Wilber Engle, R. D. 1, Box 80, Preston 21655	673-7612
Frederick:	Mr. August Selckmann, Rt. 2, Frederick 21701	874-2515
Harford:	Dr. Frank Buckley, R. D. 2, Box 114, Aberdeen	734-6549
Kent:	Mr. Floyd Parks, 129 Washington Ave., Chestertown	778-2112
Montgomery:	Mr. Robert Hahn, 3504 36th St., N.W., Washington DC	362-4172
Patuxent:	Mr. Jerry Longcore, 2313 Joyce Lane, Laurel 20810	498-1361
Talbot:	Mr. Joseph A. Robinson, Box 92, St. Michaels 21663	745-9438
Washington:	Mr. Edward Peters, 107 Williams Circle, Williamspt	
Wicomico:	Mr. Henry Stone, Camden Ave. Ext., Salisbury	749-9243

## MINUTES OF THE ANNUAL MEETING, MAY 13, 1972

The Annual Meeting of the Maryland Ornithological Society, Inc., was called to order by the President, Dr. Lawrence Zeleny, at 7:45 p.m. at the Hastings-Miramar Hotel, Ocean City, Md. With an announced attendance of 313, a quorum was declared present.

Motion was made and seconded to dispense with the reading of the minutes of the last meeting, since they were published in *Maryland Birdlife*.

Dr. Zeleny expressed his thanks, and that of the assemblage, to all those who were making the convention possible, especially Messrs. Poteet, Unger, Robbins and Mrs. Ravesies. He also extended appreciation for the fine work of the trip leaders, registrars, and the hotel management.

Mrs. Rowe presented a message from Mrs. Judy Johnson suggesting that M.O.S. write to Governor Mandel, praising his stand in keeping Assateague as it is; encouraging him not to allow the oil pipe line put in; and not to increase building and development on the island.

The Treasurer's report was read by Mr. Fletcher. It, together with the Audit Committee's report, will appear in *Birdlife*.

Mr. Carlson, reporting on the Smithsonian--Nature Conservancy Inventory of Biological Areas, gave an urgent plea to notify him of especially good birding areas along the Bay that should be maintained in their present state.

## COMMITTEE REPORTS

*Audit:* Report presented and read by Mr. Marvin Hewitt.

*Sanctuary:* Mr. Unger presented highlights from the Sanctuary Committee for the past year. These included:

1. 284 property owners have taken advantage of our Sanctuary posting program, and 14,000 acres in the State are now posted, yielding a profit to M.O.S. of some \$900.00.
2. Print of a Sloan painting presented by Mrs. Eleanor Robbins will be raffled at this convention, the proceeds to benefit the Sanctuary Fund.
3. Last year an anonymous gift of \$1000.00 was donated, contingent upon its being matched by the society, -- and it was.
4. This year, another gift of \$1600.00 has been presented with the same stipulation. Chapters were encouraged to contribute what they could in order to comply with this request.

Mr. Dickson Preston presented some interesting historical facts about the Mill Creek Sanctuary area.

*By-Laws:* Mr. Poteet, reporting for Rodney Jones, moved and it was

seconded and passed, that the proposed By-Laws changes, as mailed to the membership, be adopted. They are as follows:

ARTICLE III - MEMBERSHIP

Section 1.

Change the dues for the following classes of membership to:

Sustaining	\$6.00	Family	\$4.00
Active	\$3.00	Junior	\$1.00

Add the following class of membership:

- (b) Student: Student membership shall be limited to persons 18 years of age and over who are full time students. Dues shall be \$2.00.

ARTICLE IX

Section 8.

After the first sentence of this Section insert "A proxy may represent only one Trustee."

*Conservation*: In the absence of the Conservation Chairman, Mrs. Robbins reported on current conservation issues needing consideration.

*Publications*: Mr. Robbins, Chairman of the Publications Committee and Editor of *Maryland Birdlife*, brought out various publications problems, and stated that the March issue will soon be sent. He stated that the Budget Committee has allocated funds to help with the typing. The issues are larger than ever, and present increasing problems.

Mr. Robbins remarked on lack of response from the membership for input to the publication, and asked for suggestions for additions or improvements.

He gave especial thanks to Mrs. Richard Cole for hosting and helping the "put-together" crew for *Birdlife*.

*Audubon Scholarships*: Reporting for the Trustees, Dr. Zeleny announced that 4 Audubon Camp Scholarships were awarded this year, selected from 10 well-qualified applicants. Recipients were:

<u>Scholarship</u>	<u>Recipient</u>	<u>Chapter</u>
Helen Miller	Dr. Benjamin Poscover	Baltimore
M.O.S. Audubon Camp	Mr. Kenneth Blomquist	Harford
Amateur Gardeners Club	Miss Beth Ball	Anne Arundel
Baltimore Chapter	Mrs. Barbara B. Rothgaber	Baltimore

Dr. Zeleny reviewed some of the accomplishments of the organization during the past year and included:

1. A membership to date of 2093.
2. The various sanctuary programs.
3. The several youth programs carried out by various chapters, which are among our most important activities.
4. All chapters participated in the Christmas Bird Count, and State-wide Bird Count in May.
5. The Montgomery County Breeding Bird Atlas project.
6. Several chapters are sponsoring Audubon Lecture Series; and

- numerous field trips including one to Texas.
7. Jan Reese's Osprey Project. He obtained a permit to erect 20 nesting platforms; 16 have been erected to date, and 8 of those are currently in use.
  8. The Bluebird Project, in which most chapters are participating, is helping to reverse the downward trend in the bluebird population. Press releases were sent to 69 Maryland newspapers, about how to participate. More than 800 requests have been received for further information.

*Nominating Committee:* Mr. Unger, Chairman of the Nominating Committee, presented the following slate:

For President	Dr. Lawrence Zeleny
First Vice-President	Mr. John Poteet
Second Vice-President	Mr. Dickson Preston
Secretary	Mrs. Edwin Gras
Treasurer	Mr. Edmund Stiles

Motion was made that nominations be closed. It was seconded and approved, and the Secretary was instructed to cast the ballot.

Mrs. Gras then reported Chapter nominations for Trustees as follows:

Allegany	*Mr. James Paulus	Mrs. Frances Pope
Anne Arundel	*Lt.Cdr. Anthony White Mrs. Ellen Gizarrelli	Mr. Richard Heise
Baltimore	*Mr. Gordon McGregor Mr. William Corliss Mrs. Raymond Geddes, Jr. Mr. C. Douglas Hackman Mr. Rodney Jones	Mrs. Robert Kaestner Mrs. Martin Larrabee Mrs. Edward Metcalf Mr. Chandler Robbins Mrs. Joshua Rowe
Caroline	*Mrs. William Engle	Mrs. Percy Scudder
Frederick	*Mr. August Selkman	Dr. Howard Hodge
Harford	*Dr. Frank Buckley Dr. Mildred Gebhard	Mr. Barclay Tucker
Kent	*Mr. Floyd Parks Mrs. Thomas Carswell	Mrs. Edward Mendinhall
Montgomery	*Mr. Robert Hahn Mr. Carl Carlson	Dr. Thomas Valega
Patuxent	*Mr. Jerry Longcore	Mr. H. Edmund Stiles
Talbot	*Mr. and Mrs. Joseph Robinson	Mrs. DeGraffe Woodman
Washington	*Mr. Edward Peters	Mrs. Margaret Long
Wicomico	*Mr. Henry Stone Mrs. Emily C. Morris	*Chapter Presidents

Motion was made, seconded and approved to accept the nominations, acceptance thereby constituting election. Special recognition was made of several members who had done particularly outstanding work during the year. Mr. Hahn suggested, and it was unanimously approved, that a letter be sent to Jan Reese, in commendation and appreciation of the entire M.O.S. membership for the fine and dedicated work he is doing on the Osprey project. The meeting was adjourned at 8:50 p.m.

Respectfully submitted,  
Alta C. Gras, Secretary



## ANNUAL REPORT OF THE TREASURER

MARYLAND ORNITHOLOGICAL SOCIETY, INC.

Fiscal Year Ending April 30, 1972

		<u>OPERATING FUND</u>	
Fund Balance April 30, 1971			\$4,202.62*
Receipts:			
Dues		\$3,475.00	
Convention Income		888.50	
Sale of Publications		110.50	
Assistance on Bulk Mailing		<u>15.00</u>	
			<u>4,489.00</u>
			8,691.62
Expenditures:			
<i>Maryland Birdlife</i>		\$1,787.00	
Office & Admin. Expense			
Stationery	\$418.00		
Postage, Telephone, etc.	276.46		
Bulk Mailing	80.00		
Petty Cash	<u>50.00</u>	824.46	
Convention Expenses		519.04	
Amateur Gar. Club Scholarship		200.00	
M.O.S. Scholarship		175.00	
Audubon Affiliation		25.00	
Osprey Fund Disbursements		169.54	
Miscellaneous		<u>34.61</u>	
			<u>3,734.65</u>
Fund Balance April 30, 1972			\$4,956.97

\*Includes Osprey Project Fund of \$750.00

		<u>HELEN MILLER ENDOWMENT FUND</u>	
Fund Balance April 30, 1971			\$2,406.63
Receipts:			
Contributions Received		\$590.00	
Interest Earned		<u>120.00</u>	
			<u>710.00</u>
			3,116.63
Expenditures:			
Helen Miller Scholarship			<u>200.00</u>
Fund Balance April 30, 1972			\$2,916.63

SANCTUARY FUND

Fund Balance April 30, 1971		\$ 3,029.67
Receipts:		
Contributions Received	\$41,531.17	
Interest Earned	703.49	
Life Memberships	400.00	
Feed Grain Program	57.60	
Sanctuary Registration Program	<u>2,571.45</u>	<u>45,263.71</u>
		48,293.38
Expenditures:		
Sanctuary Addition	\$2,050.00	
Insurance, Taxes	904.35	
Sanctuary Upkeep & Operations	1,477.93	
Sanctuary Registration Program	<u>1,810.14</u>	<u>6,242.42</u>
Fund Balance April 30, 1972		\$42,050.96

## Reconciliation of Accounts and Assets on Hand at Year-end

## Fund Balances:

Operating Fund, Including Osprey Project Funds	\$ 4,956.97
Helen Miller Endowment Fund	2,916.63
Sanctuary Fund	<u>42,050.96</u>
	\$49,924.56

## Fund Assets:

Checking Account, Peoples Bank, Denton	\$ 2,145.26	
Savings Account, Md. Nat. Bank	11,629.14	
Savings Acct., First Federal S. & L.	17,020.83	
Savings Acct., Loyola Federal S. & L.	<u>19,129.33</u>	\$49,924.56

Sanctuary Investment

Carey Run	\$ 4,556.62
Mill Creek	14,446.86
Irish Grove	84,779.20

A. J. Fletcher, Treasurer



## REPORT OF THE AUDITING COMMITTEE

We the undersigned have examined the MOS books and find them correct and in order.

John Wanuga, Chairman  
 Ronald Nevius  
 Marvin Hewitt



## ANNUAL REPORTS OF LOCAL CHAPTERS

## ALLEGANY COUNTY CHAPTER

In the past we had often lamented our failure to attract younger people as members of our Chapter because we realized that only in this way could the organization continue to flourish. Nevertheless, we were wise enough to know that when a big job or a hard job presented itself, it would be the veterans who would pitch right in and get the job done.

But this year we have experienced "the best of both worlds." Some younger ones joined us and some older ones. In fact, our roster grew to 96, the largest membership in our history.

Our indoor lectures and our outdoor events drew members and guests from nearby counties in Maryland, West Virginia and Pennsylvania.

Members were active in seeking legislation on environmental matters at the local, state and national levels.

The deluge of Evening Grosbeaks nearly stultified the county. We greeted the bright visitors with open arms but when they daily exhausted our feeding stations and forced us to buy hundreds of pounds more of seeds, our attitudes changed. We were as happy to see the grosbeaks leave as we had been to see them arrive.

Activity at the Carey Run Wildlife Sanctuary was extensive. Instructive nature tours were conducted by Chapter members for women's groups, college classes and elementary school students.

The Sanctuary Committee, co-operating with agencies of the State, was responsible for the planting of many shrubs, trees and seed crops as food for wildlife. But, alas, of the 2000 sunflower seeds we strained our backs to plant, only five germinated. And the healthiest of these was only a spindly three-footer.

Our first night-time nature walk was held at the Sanctuary in the Halloween season. It was Doris Fergueson's idea and she and husband Carl overlooked no detail to make it a success. The evening was warm with a nearly full moon. A clinging, ground fog developed, which, with the moon illuminating it, conveyed a properly ghostly aura to the occasion. It's true our walk encountered no wildlife, but the cider, hot dogs and marshmallows around the campfire banished any disappointment.

We tried to beat the cold weather by scheduling the Christmas Bird Count on the first day of the Count Period and we were shocked to step out into a morning of 22° with winds gusting to 35 m.p.h. We could not have made a worse choice of dates.

The May Count was a different story: a balmy day of zephyrs with a thermometer in the 70's. The large number of observers exceeded our

fondlest hopes. And they searched their territories so thoroughly that 40 more species were identified than last year.

The entire Chapter was pleased in May when one of our finest, new birders was elected president: James F. Paulus.

*Dale B. Fuller*, President

#### ANNE ARUNDEL CHAPTER

The 1971-1972 season was one of continued growth and varied activity for the Anne Arundel Chapter. The chapter membership grew by 20% to a total of 128. Twenty-seven adult field trips were scheduled including trips to nearby Anne Arundel and Maryland birding areas as well as trips to points as distant as Hawk Mountain, Pa., and Cape May, N.J. Wednesday morning trips were conducted for those who couldn't participate on the weekends. Mr. Dick Heise's youth program was hampered by bad weather, and only four of the six trips could be held. However, an encouraging total of 81 young people participated in these four trips.

A series of monthly lectures was held with such eminent lecturers as Chan Robbins on "Habitats of Birds" and Dr. Charles Stine on Chesapeake Bay. The chapter exhibited at the Anne Arundel County Fair for the first time. Messrs. Ed Wilson and Karl Oerlein set up an exhibit centered around bird identification. Chapter members also participated in the Christmas and May bird counts and the bluebird nesting box program.

The Anne Arundel Chapter's programs were highlighted by the near completion of the study phase of the use of Hancock's Resolution as a sanctuary area. This 12-acre property in the northern end of the county was made available to the chapter as a sanctuary by Historic Annapolis, Inc. Chapter members have identified 111 species of birds at the site, and a botanical survey was begun with over 200 different plants noted. Banding demonstrations were also held. As the club continues to grow, Hancock's Resolution will play an even more important role in our activities.

*Tony White*, President

#### BALTIMORE CHAPTER

(Committee Chairmen in parentheses)

As of May 1, 1972, the membership totaled 873 including 112 Juniors.

Program (Miss Etta Wedge): 39 field trips with 35 different leaders, 3 social events, 5 lecture classes on ornithological subjects, detailed printed program booklet, comprehensively planned and executed.

Audubon Wildlife Film Lecture Series (H. Lansing Fulford): 4 evenings with average attendance of 563; proceeds to M.O.S. Sanctuary Fund, National Audubon Camp Scholarships and other projects. These programs are profitable financially, socially and educationally worthwhile and are possibly the most effective means of outreach.

Youth Program (Mrs. N. K. Schaffer): Employed Director of School Program (Mrs. D. P. Clark) for first time with beneficial results - 147 classes scheduled mostly from 4th grade level with attendance of 4,418 children; 16-Saturday public programs attended by about 1,350 children with special features such as "Bird Banding," "Bird Christmas Tree," and the "Unusual Pet Show;" Junior Nature Club with 32 members who worked on exhibits and helped with public programs and who were involved in children's nature show on Hodge Podge Lodge--Channel 67. The Junior Nature Camp was held again at King's Landing Camp on the Patuxent River in June (Mr. & Mrs. Clark, Directors). Dedicated volunteers, too numerous to list, make the extensive Junior program possible.

MOS Exhibits and Library (Mrs. N. K. Schaffer): Mounted birds for display and for loan to schools. Nest and egg collections expanded.

Cylburn Representative (Mrs. Joseph E. Brumback, Jr.): Bird feeding program with over 800 lbs of seed put out in the 4 feeders this year. The MOS Room in Cylburn Mansion was opened on all scheduled dates with volunteer hostesses on duty including Market Day. The exhibits were changed seasonally - Winter theme was "Feed the Birds this Winter" and Summer theme was "Birds and their Habitats" covering the 4 areas of ocean, marsh, forest and garden.

MOS Market Day (Mrs. Francis M. Rackemann, Jr.): Crafts, plants, books and handmade articles on sale with proceeds going for exhibits, library books, bird seed for Cylburn feeders, etc.

Extension Service (Miss Grace Naumann): 15 bird talks given by 8 members of the Baltimore Chapter. More requests made than we were able to fulfill. Tapes and slides under title of "Concerning Our Future" loaned to two high school teachers for class use. Received gift of 1,000 insect slides and screen from Mr. Mabon Kingsley of Chestertown.

Conservation (Mrs. Paul Spadone): Coverage of major conservation issues in the Newsletters, cooperated with Maryland Environmental Trust in forming a citizens corps to report offenders in water and air pollution, etc. Encourage participation in public hearings on nature preservation.

Sixth Annual Christmas Count and May Bird Count (David W. Holmes): Excellent coverage and reporting - 15-mile diameter circle with 60 observers in 39 parties. Improved results over previous years - 84 species and 16,258 birds on Christmas Count.

Book Store (Mrs. Phyllis Raviesies): Books, records, stationery, jewelry, etc. sold at all lectures, social events, Convention, with mail orders in addition with over \$3,000 worth of business - all profits to MOS Sanctuary Fund.

Sanctuaries (C. Douglas Hackman): Served as member of MOS Sanctuary Committee and as chairman of Rock Run. Cooperated in State-wide program to encourage property owners to register with MOS, identifying their land

as sanctuaries. There appears to be a drop in interest in Rock Run and there has been considerable vandalism. Its future needs to be studied.

Bird Information Exchange (Mrs. Robert E. Kaestner): Received bird reports from members and published same in all Newsletters; source of information on various public calls; served as general resource.

Information (Mrs. Raymond Geddes, Jr.): Telephone information service to members and the public regarding MOS activities and ornithology in general. Baltimore Chapter signed up this spring for telephone listing with Ecology Action with two identifications, MOS and Audubon Society Affiliate.

Membership and Hospitality (Mrs. Nicholas Kay): Membership promotion at all events, mailings, phone calls, etc. - relating members to volunteer service according to interest and capacity - name tags and introductions at social events with special emphasis on friendliness.

Publicity (Mrs. J. W. Rowe): Audubon lecture releases to news media, distribution of flyers, feature articles on MOS Sanctuaries, Audubon Camp Scholarships and Junior Programs. Mailings to interested publications and local organizations - Sunday Sun Recreation Calendar - radio and T.V. announcements, window displays, program booklets to schools and libraries.

Texas Bird Trip (Miss Ono Lescure): 8 days in April, 20 persons, Leader, James Tucker, a well-known birder from that section of the country - 213 species of birds.

Newsletter (Mrs. C. Lockard Conley): Edited the Newsletter. Miss J. Catherine Bishop did the typing, Mrs. Thomas G. Shipley served as productionist, mimeographing, assembling, and mailing all issues.

The Baltimore Chapter continued to cooperate with the State organization. Most important during the year 1971-72 was the enlistment of Mrs. Alger Zapf, Jr. as Executive Secretary of M.O.S. We also recommended Messrs. Charles Buchanan and R. Taylor McLean and they were appointed to the State MOS Investment Committee.

Thanks go to the officers and board and to all of the above mentioned as well as to many others who have helped to make this past year one of accomplishment and satisfaction. On to 1972-73.

*W. Gordon MacGregor, President*

#### CAROLINE COUNTY CHAPTER

The Caroline County Bird Club held regular monthly meetings and participated in the Breeding Bird Survey and the Christmas and May bird counts.

The programs for the year included a bird banding demonstration by Mr. V. E. Unger, a wild flower walk, and a nature field trip. Slides on

"Local Wildflowers," "Western National Parks," and a film, "One Day at Teton Marsh," were presented by the club members and friends.

The speakers and their subjects for the other meetings were: Mr. Roy Castle, State Wildlife Biologist, on "Maryland Water Birds;" Mr. Eugene Seder, "Birds in Flight;" and Mr. Dickson Preston, "A Day in the Marsh at Chincoteague."

Several Caroline County science teachers conducted a program on ecology education in the local schools, and the Soil Conservation Service acquainted us with government wildlife conservation activities.

The Annual Picnic will be held in June, following a nature walk at the Mill Creek Sanctuary.

*Ethel O. Engle*, President

#### FREDERICK CHAPTER

The 1971-72 season has been a most active and rewarding one. We started our series of monthly evening meetings in October with Dr. Zeleny's fine discussion on "Bluebirds."

In November, Les Holmes brought his slides and talk about "The Appalachian Trail" which had been postponed from the season before because of a severe sleet storm. The annual dinner meeting in early December was a sellout at the Frances Scott Key Hotel in Frederick, as the Chapter turned out in force to hear Chan Robbins talk about "Shore Birds and Waterfowl." In addition to slides Chan brought many samples of mounted birds to further our knowledge of identification of these species.

Ted Kerns presented the January meeting, with slides and a talk on "Minerals of Frederick County." In early February we were given a fine program on "Hummingbirds" by Jerry Coates. Clark Miller of Inwood, West Virginia, gave us another good evening for our March meeting with his magnificent slides on "Bird Banding."

We were most fortunate to call on our neighbors from the Patuxent Chapter, as their on-coming Chapter President, Jerry Longcore, brought us his discussion and slides on "Bird's Nests." Our May meeting heard Elden Wanrow, Park Naturalist at Catoctin Mountain Park, with his slides of the beautiful wild flowers of the Park. Our last meeting is scheduled for early June to hear Jim Gilford on "The Way of a Trout."

Numberwise, we were also successful as our Chapter Roll reached 86. In addition our average attendance has continued to increase. We ran afoul of the Weather Bureau in the early fall in that 3 successive bird walks had to be cancelled because of torrential downpours. This spring, however, all of our scheduled walks were well attended and productive.

Chapter participation in the Christmas and the State-wide May Bird Counts was good. The Chapter also made a contribution to both the Helen Miller Scholarship Fund and the MOS Sanctuary Fund. We also were active

in the promotion of the Wildlife Sanctuary program initiated by the State Society.

Officers for the coming 1972-73 year were elected in April as follows: President, August E. Selckmann; Vice President, Linda Smith; Secretary, Mary Motherway; Treasurer, Miriam Feely; Trustee, Howard M. Hodge.

*Robert B. Alexander*, President

#### HARFORD COUNTY CHAPTER

Membership, Attendance, Facilities, Financial. Membership is at the highest in history at 115. This entitles the Chapter to a third trustee, for which Dr. Mildred Gebhard has been nominated. Attendance also was unusually high, averaging 66 and reaching 85 in March. Even the fall picnic had a record turnout. Since the club is in very good financial condition, facilities have been improved for the dinner meetings. Added are a lectern with light, a microphone, and permanent name tags for all members. All committees have been quite active, as reflected in this and the following paragraphs.

Programs. The fine attendance at dinner meetings reflects outstanding programs, all profusely illustrated. At the fall picnic, Mr. David Smith discussed hawks and Hawk Mountain. In November, Mr. Vernon Stotts treated the subject of Maryland waterfowl. In January, Mr. William R. Corliss delved deeply into the study of warblers. In March, Mr. David Smith showed a film he had produced on a visit to the Galapagos Islands. In May, Mr. Barclay Tucker presented an hour-long movie showing the birds as Audubon pictured them.

Field Trips and M.O.S. Meetings. A field trip was scheduled for each month, October through May. All were well attended when weather permitted. Only the fall bus trip to Hawk Mountain and the March trip to Bombay Hook were rained out. However, a November trip to Bombay Hook and Little Creek was a great success, as were trips to Eastern Neck, Remington Farms, Elk Neck, Perry Point, and Rock Run. The Christmas Bird Count was one of the most successful in years. Between 20 and 30 members attended the 1971 M.O.S. Annual Convention and more have indicated plans to attend in 1972. All trustees have regularly attended and actively participated in Trustees Meetings.

Public Relations. After each meeting, a digest of the program was published in local newspapers with pictures. News of field trips was included. This generated more general interest in birds and in the Chapter. One newspaper prepared and published a half-page feature article on Chapter activities with pictures. Other stories told of the Helen Miller scholarship program and the M.O.S. wildlife sanctuary program for private lands.

Chapter Projects. The M.O.S. wildlife sanctuary program has been very popular in Harford County. The Chapter nominee for the Helen Miller Scholarship was awarded a special M.O.S. Audubon Camp Scholarship by the Board of Trustees. The Chapter participated in an Environmental Education

Program sponsored by the Bel Air Kiwanis Club. Many members submitted completed questionnaires in connection with the Chesapeake Bay Ecology Survey.

Sanctuary News. Chapter members oversubscribed the pledge of \$100 to the M.O.S. Sanctuary Fund made at the 1971 convention. The Rock Run Sanctuary has seen much activity, including a number of birding trips by groups from Harford and Baltimore Counties, Scout and 4H Club outings, and feeding and other maintenance by Chapter members. A class in plant pathology based itself on the sanctuary one weekend. The recent death of the owner of the property has cast doubt on the future relationship of M.O.S. to the Rock Run Sanctuary.

*Frank A. Buckley*, President

#### KENT COUNTY CHAPTER

The 1971-72 year brought progress for the Kent County Chapter. Last fall all returned from their summer travels with enthusiasm. During September and October the Damsite Banding Station operated in full, providing much valuable data. During the winter, under the guidance of Harrel Rusk, five Audubon Films were presented for all to attend with very successful attendance. At each scheduled regular meeting we enjoyed a most interesting and rewarding talk or film.

Chandler S. Robbins presented slides and study skin displays at the regular meetings before our two bird counts to better prepare our members for their day-long work in the field on these occasions. Both the Winter and Spring counts were successful and rewarding with strong participation especially by our Juniors. During the Winter count, on December 19, 1971, James Newlin spotted and had verified a Blue-gray Gnatcatcher, a very late date for this species. 123 species in all were sighted, including 6 Bald Eagles, 1 Golden Eagle, 54 Red-tailed Hawks, 32 Marsh Hawks, 1 Cooper's Hawk, and 1 Pigeon Hawk. At least one of each species of hawk known to be in the area in the Winter months was seen except for the Peregrine Falcon. The Chapter hopes that the recent bans on DDT are causing a come-back in members of birds of prey. The Spring count on May 6, 1972, turned up 164 species, a new Kent County record, including a Lawrence's Warbler sighted near Eastern Neck Island Bridge by Robin Newlin, a Philadelphia Vireo, 2 Palm Warblers, 2 Short-billed Marsh Wrens, and 2 Loggerhead Shrikes among the rarer birds.

Edward Mendinhall, with the cooperation of a few dedicated Chapter members, continued his excellent work in arrival-departure date compilation, while other members concentrated on Breeding Bird Surveys, and nest record reports.

Our Junior Members, advised by Dorothy Mendinhall and led by Ruth Carroll, Margery Plymire and Pat Wilson, were active as usual. The Senior Field Group performed duties of advanced Birders, including field trips, banding chores, counts and special census projects. A project group worked on setting up additional bluebird trails and devising new and meaningful activities to promote basic principles of sound ecology in the

Kent County area. The group is most energetic and promises to graduate many good birders into the general membership.

Gerry L. Gardner, our President for the past two years, stepped down from the office which he so expertly held. His efforts during his terms were tireless and his accomplishments many and valuable. His leadership will be missed and he will be called upon again and again for counsel and assistance by his successor.

Floyd L. Parks, President

#### MONTGOMERY COUNTY CHAPTER

Last spring our Chapter undertook something new, not only to the State of Maryland, but also to the U.S.A. The Breeding Bird Atlas is a type of survey which was first undertaken in Europe. The purpose of the survey is to document where breeding species can be found in a particular area. The survey is carefully mapped; each of our observers works in a specified section of Montgomery County. This year we'll have about 75 observers in the field. The survey will be conducted over a two-year period. Possibly, another such survey will be undertaken in ten years to check the changes in habitat, caused by urban development, highway building, etc. (For more on this subject, see *Maryland Birdlife*, September 1971.)

We are fortunate to have a peripatetic group of outstanding birding photographers. Five of our nine evening programs were put on by our members.

There is a hard core of youngsters in the Youth Group who are always ready and willing to bird. Some show excellent promise. Highlight for three or four boys was getting Chan Robbins' autograph in their copies of *Birds of North America* at our March meeting.

Robert H. Hahn, President

#### PATUXENT BIRD CLUB

The Chapter was again treated to a number of interesting and informative programs. Dr. Donald Messersmith presented a witty and knowledgeable account of "Birding in South Africa" replete with a rogue elephant charging his tour bus! Jan Reese, who has spent countless hours on Chesapeake Bay, showed Kodachromes and explained his work on the nesting biology of the Osprey, the only representative of the family Pandionidae. Chapter member David Bridge took the members, via slides, on a tour of Tierra Del Fuego to show them birds and explain the work of the Smithsonian Institution in that area. Mr. C. Ed Addy, Atlantic Flyway Representative, USDI, through slides of charts, maps, and habitat, made more clear how our waterfowl (ducks and geese) resource is managed. The always willing and able Chandler Robbins presented two programs for our enjoyment. He discussed the seabirds of the Hawaiian islands at the September meeting and concluded the Chapter year with a most informative discussion of the progression of spring migrants through our area. The excellent programs have elicited interest as can be attested by attendance exceeding 70

individuals on occasion. The rate of conversion of guests to members has been good with total membership equaling over 100 (counting Jr. members) which is a substantial increase from last year.

A number of field trips were taken to local birding areas and the annual picnic was held at Scotts Cove, Rocky Gorge in June.

The Chapter was active in the MOS Bluebird Project. Many members built boxes and/or monitored them to record nesting activity. Members also participated in the Christmas Bird Count and the Statewide May Count. The activities of the Chapter are well publicized by the efforts of Mrs. C. S. Robbins who prepares a weekly article for the local newspaper and writes of current conservation issues.

*Jerry Longcore*, President

#### TALBOT COUNTY CHAPTER

The Talbot County Bird Club had another satisfying year with excellent help and cooperation from the members. Programs and matters relating to local conservation, protection of natural resources, and expansion of wildlife areas were received with much interest. Our activities included:

Six regular meetings with programs plus attendance at one sponsored by the Isaac Walton League;

Six fall and six spring bird hikes followed by breakfasts and discussion at members' homes;

Sponsorship of the Audubon Wildlife film series which unfortunately operated at a small deficit;

Christmas and May bird counts both recording a competitive number of species;

Trips to Blackwater, Irish Grove, and Ocean City;

Caretaking of Mill Creek Sanctuary which is being used more by group visitors.

*C. C. Lasher*, President

#### WASHINGTON COUNTY CHAPTER

The meetings of the Washington County Chapter are held the fourth Tuesday of each month, 7:30 p.m., at the Emma K. Daub School, South Potomac Street, Hagerstown, Maryland.

It was with great regret that we accepted Mr. Sterling Edwards' resignation as president at the September meeting. Mr. Ed Peters was appointed to serve the balance of Mr. Edwards' unexpired term.

During the past year, we experienced an interesting variety of

programs covering the following subjects: Birds of Prey; Stop, Look, and Listen (For Birds); Ecology and Conservation; Peterson Field Guide and Recordings; Bird Nests and Eggs; Illustrated Program on Wildflowers; and Teaching Nature in the Open School. The annual dinner meeting, held in February, featuring Dr. William Sladen as guest speaker, had to be cancelled because of bad weather.

During the Christmas season we participated in our first Chapter Christmas Bird Count. Twenty-eight persons spent a total of 427 party-hours on count day. A total of over 7,000 birds were sighted representing 68 different species.

Other Field Trips during the year included trips to Tuscarora Mountain; Virginus Island at Harpers Ferry; Terrapin Neck, West Virginia, with the Brooks Bird Club; and a number of walks covering different portions of the C & O Canal. Attendance was excellent at all Field Events.

Other activities include the maintenance of several Bluebird Trails, and some 30 members from Washington County attending the M.O.S. Convention in Ocean City in May.

At the March 28 meeting, the following slate of officers was elected: Ed Peters, President; Truman Doyle, Vice President; Genevieve Beck, Corresponding Secretary; Helen Green, Recording Secretary; Paul Guptill, Treasurer.

*H. Edward Peters*, President

#### WICOMICO CHAPTER

Activity over the last year concentrated on 8 regular meetings and 11 field trips. Meeting speakers and topics included: Charles and Gail Vaughn, birding and camping to Alaska; John Moore, banding Whistling Swans; Chan Robbins, Christmas Counts; Charles Baker, bird feeders; Jay Geeseman, Shad Landing State Park and local forestry; Dr. Zeleny, Bluebirds; Sam Dyke, spring warblers; and a movie on the Bald Eagle.

Gail Vaughn has begun publishing an occasional newsletter summarizing events past and future.

The Salisbury Christmas Count was organized by the club and brought 25 observers.

A major event was the running of the sales booth at the Fourth Atlantic Flyway Waterfowl and Bird Carving Exhibit in Salisbury. Income to the club was \$150. Next year promises to be even better since many items were very popular and sold out early. Next year bigger orders are planned.

Activities at Irish Grove Sanctuary included complete redecorating of two rooms and halls. Slight vandalism occurred early in May but was repaired in time for the M.O.S. Convention visitors by Gail Vaughn and Gertrude Oakman along with Gladys Cole and George Newcomer. One of our

newest members, Mary Humpheries, cataloged the library and helped mow the lawn.

Membership as of June 1972 is 76; an increase of 28 over last year.

*Charles Vaughn*, Vice President



## OSPREY CONFERENCE

The first North American Osprey Research Conference was held in mid-February at the College of William & Mary, Williamsburg, Va.

Dennis Puleston, Chairman of the Board of Trustees of the Environmental Defense Fund, recounted the shocking record of Osprey decimation in the Long Island area, especially on Gardiner's Island where, from a high of over 300 pairs in 1948, the population has dwindled to 34 pairs, with a concurrent drop of the average reproduction rate from 2.2 young per nest to 0.5 in 1971. Describing the lack of predation or human disturbance there, he ascribed the disaster to the effects of DDT and derivatives and to PCBs, now found at high levels in fish of the area.

Techniques for increasing the number and success of viable Osprey eggs will be used in the East this season, where inroads on the breeding population have reached nearly disastrous proportions in Connecticut; and in Massachusetts last season it was documented that more than 50% of the breeding females in the main colony had to share the services of males because of a sudden decline in the male population.

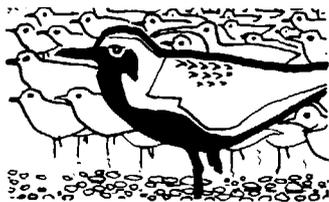
Participants also reported on conditions in southern Maine, southern New Jersey, the Potomac River area, central and southern Chesapeake Bay, Virginia, North Carolina, Florida, Michigan, Wisconsin, Ontario, Montana, Idaho, Oregon and California.

Dr. Charles J. Henny read a comprehensive paper on "Wintering Areas of Ospreys from Various Areas of North America, Based on Band Recovery Data," which he co-authored with Ted Van Velzen and Brian Sharp, all three from the Migratory Bird Populations Station, Laurel, Md.

Alexander Sprunt IV of the National Audubon Society described sightings of Osprey nests in eastern coastal regions of Mexico and Belize. Hitherto virtually unknown, these may comprise a resident population comparable to the birds of South Florida.

Persons wishing the paperbound PROCEEDINGS may write to Dr. Mitchell A. Byrd, Dept. of Biology, College of William & Mary, Williamsburg, Va. 23185. Sale price is expected to be no more than \$2.00. Requests for copies need not be accompanied by prepayment; a bill will be sent at the time the order is filled.

*Gil Fernandez*, P.O. Box 53, Dartmouth, Mass. 02714



## THE SEASON

JANUARY, FEBRUARY, MARCH, 1972

*Chandler S. Robbins*

This will long be remembered as an exceptionally mild winter, despite a few uncomfortably cold and snowy days in February. The phenomenally warm and snowless weather that had characterized the month of December continued through January. It was the warmest January in Maryland since 1967; most stations had no measurable snowfall until the 27th or 28th, and even in Garrett County there were many days on which the ground was bare.

February was exceptionally wet, and average temperatures were 1° to 3° below normal. Fifteen to 20 inches of snow fell on central Maryland, but was promptly washed away by heavy rain. In Garrett County, however, precipitation was mostly in the form of snow and totaled 3 to 5 feet, with drifts up to 12 to 15 feet on Feb. 19-20.

Record-breaking warmth from Feb. 29 through Mar. 2 brought the first heavy influx of spring migrants as well as an end to the winter's snow--except in Garrett County where another 10 to 20 inches of snow fell during March. The last 9 days of March were on the cool side, averaging 5° below normal; notice how few arrival dates are listed for the period Mar. 23-31 (Table 1).

The earliest arrival dates reported from 16 of Maryland's 23 counties are presented in Table 1, with the counties arranged from northwest to southeast. A zero (0) means that the species was not reported; a dash (--) signifies that the species was observed, but not on a significant arrival date; and a "w" designates inability to distinguish early migrants from the wintering population. The median dates in the first five columns permit comparison of this year's migration with that of the previous four years.

We are especially pleased to include a comprehensive list of spring arrival dates from Garrett County, submitted by Mrs. William Pope. This is the first time in the 27 years of Season reports that we have had more than token coverage of our important westernmost county. The high altitude of Garrett and its relatively severe winters result in a limited variety of wintering species and thus make it possible to detect the very earliest immigrants of species that winter in Maryland's other counties.

Table 1. Spring Arrival Dates, 1972

Species	Median					Garr	Alle	Wash	Fred	Balt	Howd	Mont	Pr. G.	Anne	Calv	Kent	Caro	Talb	Dorc	Somr	Worc
	1968	1969	1970	1971	1972																
Horned Grebe	--	3/31	3/28	3/30	3/12	3/18	2/2	4/ 4	0	3/11	0	3/18	--	--	2/12	W	W	W	W	3/12	W
Pied-billed Grebe	3/21	3/26	3/25	3/23	3/18	3/18	3/ 9	4/ 9	3/19	3/ 9	2/17	3/ 4	3/20	3/12	3/11	W	3/30	W	W	3/31	3/18
Great Blue Heron	3/20	4/ 4	3/18	3/ 8	3/30	3/31	4/ 6	--	--	3/ 4	--	W	3/29	W	3/20	4/12	W	3/31	W	3/18	W
Cattle Egret	--	--	--	--	3/29	0	0	0	0	0	0	0	0	4/ 7	4/ 2	3/29	0	0	0	3/29	3/18
Glossy Ibis	--	--	--	--	--	0	0	0	0	0	0	0	0	0	0	3/18	0	3/31	--	3/18	--
Whistling Swan	3/22	3/16	3/12	3/ 9	3/16	0	2/29	3/18	3/15	3/16	3/12	3/ 4	3/16	3/15	3/16	W	3/16	W	W	W	W
Canada Goose	3/20	3/16	3/14	3/ 5	3/12	2/11	3/14	3/19	3/15	--	3/12	2/21	2/15	3/19	2/25	W	3/19	W	W	3/12	W
American Widgeon	--	--	--	3/23	3/10	3/19	3/ 7	4/ 4	3/ 8	W	4/15	2/26	3/ 7	3/12	W	W	0	W	W	W	W
Pintail	3/ 9	--	3/16	3/ 8	--	0	0	2/29	0	--	--	2/26	--	--	2/12	W	0	W	W	W	W
Green-winged Teal	--	--	--	3/18	3/10	3/19	3/ 7	0	3/ 1	--	0	2/26	3/13	3/25	--	3/ 1	--	W	W	3/18	W
Blue-winged Teal	--	3/22	3/23	3/22	3/22	3/19	4/ 6	4/ 9	3/15	--	4/15	3/ 8	3/ 3	3/30	--	--	--	4/ 7	3/25	3/18	3/12
Wood Duck	3/13	3/18	3/23	3/ 2	3/ 1	3/20	3/ 1	2/26	3/ 1	2/24	3/29	2/26	2/11	--	3/23	3/15	2/25	--	--	3/18	W
Redhead	--	--	--	--	--	3/18	3/ 7	0	3/ 8	W	0	2/26	0	0	0	0	0	W	0	W	W
Ring-necked Duck	--	--	3/23	3/14	3/ 2	3/19	3/ 2	0	3/ 1	--	1/26	3/ 5	1/25	--	0	0	3/10	0	--	0	W
Canvasback	--	--	--	--	3/15	3/19	2/29	0	3/15	--	3/ 9	2/21	0	W	3/18	2/29	0	W	W	4/ 1	3/18
Lesser Scaup	--	--	3/31	--	3/ 2	3/ 2	2/29	4/ 9	3/ 1	2/24	3/14	2/21	3/ 3	W	3/ 4	3/ 2	0	W	W	3/12	W
Common Goldeneye	--	--	--	--	3/ 3	3/19	2/ 2	0	3/ 1	3/11	0	--	3/ 3	W	2/12	2/ 2	3/10	W	W	3/12	W
Bufflehead	--	--	3/28	3/27	3/12	3/18	4/13	4/ 1	3/ 8	2/24	3/18	2/21	3/ 3	W	3/18	2/18	--	W	W	3/12	W
Hooded Merganser	--	--	3/10	--	3/ 8	3/18	0	3/12	3/ 1	3/28	0	2/27	3/ 1	3/19	0	3/ 3	0	0	W	0	W
Sharp-shinned Hawk	--	--	--	--	3/18	--	--	4/16	--	--	--	3/27	3/18	--	3/18	2/15	3/18	3/18	W	3/11	W
Osprey	3/23	3/20	3/23	3/27	3/27	4/22	4/14	--	4/12	--	4/15	4/ 2	3/29	3/12	3/25	3/23	3/ 6	3/ 7	4/ 3	3/11	3/20
Sparrow Hawk	--	--	--	--	2/29	2/ 1	2/11	2/26	--	--	3/ 3	W	3/29	W	3/ 7	W	W	W	W	W	W
American Coot	--	--	--	--	3/18	3/19	3/ 4	4/ 9	3/ 8	3/ 1	3/20	3/ 4	3/ 1	3/15	3/18	W	3/30	4/ 8	4/ 3	W	W
Killdeer	3/ 9	--	3/ 5	3/ 6	2/24	3/ 1	2/ 2	2/24	3/ 8	2/24	2/ 6	2/ 1	2/24	W	2/23	2/29	W	3/12	--	3/11	W
American Woodcock	3/ 9	3/ 6	3/ 2	2/28	2/29	3/18	3/ 2	3/ 5	3/ 1	2/29	1/20	--	2/ 9	--	2/25	2/29	2/10	W	W	W	W
Common Snipe	3/18	--	--	3/ 7	3/16	4/ 4	0	0	3/ 8	4/ 2	0	--	--	--	3/15	3/18	W	0	4/ 3	3/12	3/12
Greater Yellowlegs	3/19	4/26	3/24	--	4/ 1	0	0	0	3/ 8	0	0	3/17	--	--	0	4/ 4	4/ 2	4/30	3/25	4/ 1	--
Ring-billed Gull	--	--	3/16	2/26	3/15	3/18	3/15	--	3/ 1	3/15	3/12	3/ 2	3/ 4	W	W	W	W	3/31	W	3/18	W
Belted Kingfisher	--	--	--	3/23	3/15	3/19	W	4/ 6	W	3/26	2/13	3/12	W	3/18	2/29	W	W	W	W	3/11	W
Yellow-shafted Flicker	3/ 8	--	--	--	3/ 7	3/19	W	3/21	W	2/22	3/ 2	3/ 7	2/29	2/27	2/22	W	3/15	3/18	W	3/12	W
Eastern Phoebe	3/16	3/19	3/23	3/19	3/15	3/21	2/10	3/19	3/15	3/22	3/ 9	3/ 2	3/10	3/11	2/26	4/ 4	3/16	4/ 8	0	4/ 1	3/12
Tree Swallow	3/27	3/29	3/28	4/ 3	3/31	4/16	4/12	3/ 4	3/ 8	4/14	--	2/21	3/10	4/ 5	4/ 2	4/ 5	3/31	4/ 7	3/25	3/31	3/25
Fish Crow	--	--	--	3/ 5	3/14	0	0	0	0	W	2/29	3/20	3/15	2/25	3/26	3/ 1	W	3/28	W	3/12	W
Robin	3/ 9	3/ 3	2/23	2/11	2/29	2/ 5	5/28	3/ 1	2/21	2/18	3/ 2	3/ 1	3/ 4	3/ 2	2/29	3/10	W	W	2/12	W	W
Eastern Bluebird	3/ 6	--	2/22	2/25	3/ 5	3/ 2	2/11	4/ 6	--	3/18	2/27	3/ 5	2/15	--	2/11	--	3/21	0	4/ 3	3/12	--
Pine Warbler	--	--	--	--	3/18	0	3/21	3/ 5	0	3/18	0	0	3/13	--	3/19	0	3/19	3/18	3/25	4/ 1	3/12
Red-winged Blackbird	3/ 7	--	2/22	2/21	2/27	3/ 2	2/19	2/27	2/27	2/29	2/27	2/26	2/ 9	3/ 2	2/19	W	W	W	W	W	W
Rusty Blackbird	--	--	--	3/ 8	3/ 5	3/ 5	2/ 2	--	--	--	--	3/ 4	3/18	3/26	3/ 4	W	--	3/18	W	W	W
Common Grackle	3/ 4	3/ 6	2/24	2/18	2/20	3/ 2	2/29	2/19	2/27	2/23	2/20	2/15	2/16	2/ 2	2/13	W	W	W	W	W	W
Brown-headed Cowbird	3/ 8	3/19	--	3/ 4	2/22	3/ 2	3/10	2/15	2/17	2/22	2/17	3/20	3/ 9	2/ 4	2/12	4/ 4	W	W	W	W	W
Common Redpoll	--	--	--	--	2/27	3/ 5	0	3/ 4	0	2/27	2/22	2/27	0	0	0	0	0	0	0	0	0
Pine Siskin	--	1/26	--	--	1/15	1/ 9	1/ 8	1/ 1	1/21	1/28	1/ 1	12/29	1/16	1/ 8	1/29	4/20	1/15	2/26	--	--	--
Rufous-sided Towhee	3/23	3/22	4/ 3	3/16	3/18	4/ 9	3/15	3/31	3/10	3/29	3/14	3/12	3/18	3/23	3/25	4/ 4	W	3/18	W	3/11	W
Savannah Sparrow	3/23	3/15	--	3/28	3/20	--	4/ 6	--	3/ 8	--	3/ 9	3/ 4	4/ 2	3/28	4/ 2	--	--	W	W	3/11	W
Slate-colored Junco	--	--	--	--	3/ 4	3/ 5	W	2/19	W	W	3/ 3	3/ 2	3/29	W	W	--	--	3/31	W	W	W
Fox Sparrow	3/10	3/ 8	3/ 7	2/21	3/ 4	3/ 5	3/21	3/ 4	3/ 3	3/ 1	3/ 1	2/26	2/29	3/ 3	3/12	--	3/ 4	0	W	3/11	W
Song Sparrow	--	--	--	--	3/ 9	3/ 1	W	W	W	3/ 9	2/28	3/13	3/11	4/ 5	4/ 2	W	--	4/ 7	W	W	W

Furthermore, its geographic location along the Appalachian divide puts it in the path of Mississippi Valley migrants that are progressively scarcer in the more eastern counties. Thus, despite the higher elevation, many of the insectivorous species can be expected to arrive in Garrett County before they reach the Maryland Coastal Plain.

I wish to thank all contributors who submitted material for this summary, and most especially those who contributed the great majority of arrival dates for the table: Garrett County--Mrs. William Pope; Allegheny--James Paulus; Washington--Daniel Boone, Mrs. Lloyd Mallonee, Sue Stauffer; Frederick--Dr. John W. Richards, Dr. Phyllida Willis, Paul Woodward; Baltimore City and County--Mrs. Robert Kaestner, Mrs. Richard Cole, Haven Kolb, Mr. and Mrs. Walter Bohanan, Mrs. Joshua Rowe; Howard--Mrs. Harry Rauth, Mrs. G. Colin Munro, Morris Collins, George Chase, Jo Solem; Montgomery--Paul Woodward, Mr. and Mrs. M. B. Donald, Robert Warfield, Dr. Robert Pyle, H. E. Douglas, Dr. Fred Evenden, Robert Whitcomb, Mr. and Mrs. Richard Rule; Prince Georges--Kathleen Klimkiewicz, Danny Bystrak, Joan Lusby, Dr. Lawrence Murphy, Chandler Robbins, H. E. Douglas, John Fales; Anne Arundel--Danny Bystrak, Prof. and Mrs. David Howard, Rena Bishop; Calvert--John Fales; Kent--Mr. and Mrs. Edward Mendenhall, G. L. Gardner, Floyd Parks, Arlene Delario, Louise Ruhnka, Margery Plymire, Penny Moffit; Caroline--Mrs. A. J. Fletcher, Marvin Hewitt, Alicia Knotts, Ethel Engle; Talbot--Jan Reese, Harry Armistead; Dorchester--Charles Hills, Harry Armistead; Somerset--Mrs. Richard Cole, Charles Vaughn, David Holmes, Danny Bystrak, Jeff Effinger; Worcester--Richard Rowlett, Samuel H. Dyke.

Grebes. Pied-billed Grebes wintered in open water on Maryland's Piedmont; 1 or 2 birds were seen in each month of the period on Triadelphia Reservoir (Dorothy Rauth). Horned Grebes, apparently frozen out of lakes farther north, appeared on Jan. 30 on Deep Creek Lake (2 birds, Mrs. William Pope) and on the Potomac River near Sycamore Landing in Montgomery County (5 birds, Paul Woodward); 5 others were seen on Feb. 2 on the Potomac just below Old Town in Allegany County (James Paulus). None of these birds remained. An Eared Grebe, the second ever reported from Maryland, was carefully studied in Ocean City Inlet on Mar. 14 (Carl W. Carlson) and Mar. 18 (Richard Rowlett).

Shearwaters, Cormorants. A most extraordinary early spring observation of a Cory's Shearwater was made at Ocean City by Rowlett on Mar. 18; details will be published separately. Great Cormorants again wintered at St. Georges Island near the mouth of the Potomac (Ed Schell, Tom Courtney, Dr. and Mrs. Ralph Baxter and others of the Southern Maryland Audubon Society).

Hérons, Egrets and Ibis. All of our breeding species except the Black-crowned Night Heron and Least Bittern were back from the south before the end of March in spite of the cold weather in the latter third of the month. The earliest arrivals were as follows: Green Heron at Irish Grove Sanctuary, Somerset County, on Mar. 21 (Terry Moore and V. Edwin Unger); Little Blue Heron and Cattle Egret at Ocean City and Snow Hill, respectively, on Mar. 18 (Rowlett); Common Egret at Blackwater

Refuge, Deal Island and Talbot County on Mar. 25 (Charles Hills, Jan Reese); Snowy Egret, 5 at Deal Island on Mar. 25 (Hills); Louisiana Heron, 2 at Deal Island on Mar. 25 (Hills); Yellow-crowned Night Heron at Lake Roland, Baltimore County, on Mar. 31 (Ann Wilder); and American Bittern and 50 Glossy Ibis at Deal Island on Mar. 25 (Hills). For the first time a Louisiana Heron spent the entire winter in Maryland; it was seen in all three months at the Assateague State Park entrance (Rowlett). An American Bittern apparently tried to winter near Bay Ridge Beach in Anne Arundel County, but was found freshly dead on Feb. 14 (Danny Bystrak); it seemed to have been shot.

Swans. The first migration of Whistling Swans took place on Feb. 29 under encouragement of record-breaking warm temperatures; a flock of 27 birds was seen at Old Town by Jim Paulus. The largest flight of the season was picked up in lower Chesapeake Bay early in the morning of Mar. 16 and tracked by Weather Service radar as the flocks proceeded up the Potomac River and Chesapeake Bay (Robert L. Pyle). Observers in the path of the flight were notified by the Migratory Bird Populations Station, and sightings were made north to Frederick, Howard, Baltimore and Cecil Counties. A cold front approaching from the west terminated the migration, however, and the swans landed in Chesapeake Bay, in fields on the upper Eastern Shore, and a few went as far east as the Delaware River. Two adult Mute Swans, probably from adjacent Talbot County, provided the first record from Kent County on Mar. 15 when they were observed on Eastern Neck Refuge (Rowlett).

Geese. An abortive early migratory flight of Canada Geese left 4 birds stranded on the ice of Deep Creek Lake, Feb. 11 (Mrs. Pope). Not until a month later was there any major departure of geese. The Brant population remained very low through the winter. Snow Geese were reported from Dorchester, Talbot, and Caroline Counties and Baltimore City and County; the peak tally was 180 birds at Blackwater Refuge on Jan. 15 (Armistead). In Caroline County, where the Snow Goose is rarely seen, it was found at Tanyard on Mar. 19 (Ethel Engle) and at Martinak State Park on Mar. 30 (Marvin Hewitt). The Baltimore observations were of a flock of 100 migrants illuminated by the full moon at 9:45 p.m. on Mar. 27 over Park Avenue (Anne Tremearne) and a flock of 30 to 40 over Liberty Dam on Apr. 5 (William Hull). If anyone has been puzzled by a Swan Goose that was at Woodlawn Cemetery in Baltimore on Feb. 16-23 (Hervey Brackbill), rest assured that it was not a wild bird--nor was the Egyptian Goose that frequented Lake Roland in mid-February (Stewart McLean).

Ducks. General arrival of ducks in the Piedmont and the Ridge and Valley Section was during the warm snap of Feb. 29--Mar. 2, whereas arrivals at Deep Creek Lake in Garrett County were on Mar. 18-19. The Harlequin Ducks that wintered at Ocean City Inlet reached the unprecedented count of 5 (2 adult males, 1 immature male and 2 females) on Mar. 12, and the two adult males were still present at the end of the month (Rowlett). The two immature male Common Eiders that wintered at the Inlet were last seen on Feb. 20 (Rowlett) and Feb. 21 (Hills). The King Eider "flock" at the Inlet dwindled to 1 immature male, Jan. 25--Feb. 20 (Rowlett and others).

Vultures, Hawks and Eagles. The first Black Vulture ever sighted in Allegany County was closely studied at Banner's Overlook on Mar. 21 in company with Turkey Vultures (Paulus); in one hour on that date Mr. Paulus also counted 7 Sharp-shins, 8 Red-tails and 4 Red-shoulders. Bald Eagles were sighted in Dorchester, Talbot, Caroline, Prince Georges and Frederick Counties--the Frederick bird at Lilypons on Mar. 22 (Woodward). An adult and an immature Golden Eagle wintered at Blackwater Refuge, and there was an immature at Remington Farms in Kent County on Jan. 17-18 (Rowlett and Paul DuMont). The only Goshawk observation was at Sandy Point State Park on the Mar. 4 Montgomery Chapter field trip (Rowlett, Dr. Harvey Mudd and others).

Rails and Gallinules. A Sora that was heard giving its whinny call in a small marsh at Berwyn Heights in Prince Georges County on Jan. 19, Feb. 7 and Feb. 25 was the first ever reported in Maryland away from tidewater in midwinter (Hills). An early Common Gallinule was found at Deal Island on Mar. 25 (Hills). A Clapper Rail studied on Jan. 6 at Sandy Point (Lawrence Murphy) represents the northernmost winter record for the State.

Oystercatchers, Plovers and Turnstones. The first American Oystercatcher was discovered at Ocean City on Mar. 11 (Bystrak, Holmes). The highest winter counts of Ruddy Turnstones were 8 birds at Assateague Island, Feb. 19-20 (Hills, Rowlett) and 12 there on Mar. 24 (Rowlett). Two Piping Plovers were seen at Ocean City on Mar. 11 (Bystrak, Holmes) and a record-high tally of 40 was reported from the north end of Assateague Island in an early migration peak, Mar. 18 (Rowlett).

Woodcock and Sandpipers. When the Woodcock migration actually began, nobody really knows. Birds were observed in courtship flight throughout the winter not only on the Coastal Plain, but also above Rocky Gorge Reservoir near Highland (Mrs. Harry Rauth). Certainly a major influx occurred during the warm spell of Feb. 29--Mar. 2 (see Table 1), and by Mar. 18 the species had reached Garrett County (Mrs. Pope). A wintering Willet and 2 Western Sandpipers were at Assateague on Feb. 19 (Hills), and a Knot was seen in the Ocean City area irregularly from that date to Mar. 18 (Rowlett, DuMont and others). A Lesser Yellowlegs on Mar. 4 at Fulton (Mrs. Rauth) broke the earliest Maryland arrival date.

Gulls. The Chestertown Glaucous Gull was present throughout the period (Ruth Carroll and the Kent Junior Group); see the separate account elsewhere in this issue. This was the only Glaucous Gull reported in Maryland this winter. Bonaparte's Gulls wintered in larger numbers than usual (155-200 at Ocean City, Feb. 20--Mar. 24 by Rowlett), and this may have increased the chances of finding Black-headed and Little Gulls. Fifty Bonaparte's were at Bellevue on Jan. 15, a very high winter count for Talbot County (Armistead). The first 9 migrants were at Deep Creek Lake on Mar. 22 (Mrs. Pope). An adult Black-headed Gull (2 on Mar. 27) was with Bonaparte's at Ocean City Inlet throughout March (Carlson, Rowlett, Paul DuMont and others). The immature Little Gull that was seen on the Ocean City Christmas Count was still present at the jetty

at the end of March, and 2 adults were with it through this month (Carlson, Rowlett, Hills, and others).

Doves, Parrots. Mild weather stimulated early cooing of Mourning Doves, Jan. 22 at Laurel (Robbins), and one bird in the Seneca area was incubating 2 eggs on the record date of Feb. 12 (David Stewart *vide* E. T. McKnight). An unidentified parrot, possibly a Monk Parakeet, was seen at Sandy Point State Park from Jan. 6 on (Dr. Murphy, Mr. and Mrs. Jerry Howe, and others). Because of the large number of parakeets and parrots being released and the possibility that some of them will become established and even become agricultural pests, we urge observers to report all sightings.

Woodpeckers. Yellow-bellied Sapsuckers wintered in unusually large numbers; as many as 5 individuals were found in 50 acres of floodplain forest at Columbia in January and February (Robbins).

Flycatchers and Swallows. A freak record of an Eastern Kingbird was obtained at Old Town in Allegany County on Mar. 21, a full month ahead of schedule; the bird was carefully observed by Jim Paulus. The arrival date for the Tree Swallow was broken by one day on Feb. 21 when 10 birds were seen catching insects over the Potomac in the Seneca area (H. E. Douglas). The next report was from Washington County on Mar. 4 (Daniel Boone), and they did not reach Garrett County until Apr. 16. An early Barn Swallow was at Patuxent Wildlife Research Center on Mar. 17, 3 days ahead of the record (Danny Bystrak), another early one was at Lilypons on Mar. 22 (Woodward), and on Mar. 30, 3 very early birds had reached Garrett County (Mrs. Pope).

Wrens, Thrashers, Pipits. A House Wren near Ellicott City on Feb. 12 is apparently the first February sighting for the Piedmont (Bystrak). A Catbird wintering on the Piedmont west of Beltsville on Feb. 12 was subsisting on natural foods (Robbins). A Brown Thrasher that arrived at a feeder at the Patuxent Wildlife Research Center on Dec. 14 was last seen on Apr. 15 (Dr. Lucille Stickel). In the Baltimore area a Brown Thrasher wintered at the home of Mrs. Richard Cole in Towson, and another was present from November to at least Jan. 17 at Hamilton (Harry Beck). Water Pipits are considered rare in the Piedmont in winter, but a flock of 40 remained in the Hughes Hollow area west of Seneca from at least Jan. 20 to Feb. 12; they were not seen after the late February snowfall (Woodward).

Waxwings, Shrikes. There were many reports of Cedar Waxwings, especially in the Baltimore-Laurel-Washington area, where flocks of 25 to 50 were present throughout the period. A Northern Shrike, the first ever identified in Kent County and the first seen in Maryland in 15 years, was observed at Remington Farms in Kent County on Feb. 15-16 (Paul DuMont, Ed Schell, Ray Teale and others).

Warblers. A bumper crop of poison ivy berries resulted in an unusual concentration of wintering Myrtle Warblers. This was the commonest species wintering along the floodplain of the Middle Patuxent River at

Columbia, with an average of 119 Myrtles per 100 acres in January and February (Robbins). A Yellow-breasted Chat, the only one of the period, was seen at Berwyn Heights on Jan. 18 (Hills).

Orioles. There was a rash of reports of wintering Baltimore Orioles, highlighted by a flock of 4 at Gude's Nursery near Rockville on Feb. 22 (Rowlett). Single birds were seen in Chevy Chase, Jan. 29 (A. A. Baker); Adelphi, Jan. 16 (Brian Sharp); Laurel, Dec. 30 to Apr. 9 (Robbinses); and Baltimore, Jan. 2 (Elizabeth Simon); and 2 at Towson, Dec. 20 through January (Mrs. Cole).

Dickcissels. Wintering Dickcissels were noted at Hamilton (Baltimore), Jan. 8 to Apr. 4 (Douglas Santoni); Cub Hill (Baltimore), Feb. 1 (Mrs. Markham); Highland, Feb. 20 (Dorothy Detwiler); Laurel, Feb. 20 to Apr. 16 (George Robbins); and Chevy Chase, Feb. 1 to Mar. 24 (Mr. and Mrs. Edwin T. McKnight).

Evening Grosbeaks. Arriving from the north in late December and early January, this species reached a peak in mid-January and then remained in all sections of Maryland in good numbers, gobbling up thousands of dollars worth of sunflower seeds at the expense of MOS members. Peak counts reported were: 325 at Cambridge, Feb. 12 (Rowlett); 166 banded during the period at Chevy Chase (Dr. Pyle); 150 at Taylors Island in Dorchester County, date not given (*fide* William Hull); 123 at Old Town, Feb. 10 (Paulus); 115 at Blackwater Refuge, Jan. 15 (Armistead); and 103 at Cambridge, Feb. 12 (Hills). There were other counts of 50 or more birds at Chevy Chase, Highland, Laurel, Odenton, Baltimore and Greensboro. Albinos were seen at feeders at Smithburg, Cooksville, Laurel and Loch Raven.

Purple and House Finches. Purple Finch reports came primarily from the Baltimore-Laurel-Washington area, with most counts in the 5 to 20 range. The largest flock reported was of 37 birds on Mar. 23 near Highland (Mrs. Rauth), although Dr. Pyle banded 88 at Chevy Chase during the three-month period. The largest House Finch tally from each location was: 300 at Rockville, Feb. 15 (Carl Carlson); 100 at Randallstown, Jan. 5 (John R. Smith); and 8 to 12 at Knollwood (Baltimore), Columbia and Frederick. Five birds or fewer (or no count specified) were seen at Chevy Chase, Highland, Laurel, Denton and Cambridge.

Redpolls. The first 40 Common Redpolls were seen near Dickerson on Feb. 15 (Woodward). Following the snow storm of the 19th there was a flurry of other reports from Baltimore, Howard, Anne Arundel, Prince Georges, Montgomery, Washington, Allegany and Garrett Counties as follows: 3 on the 22nd at Highland (Mrs. Rauth); 2 at Odenton on the 23rd (Ellen Gizzarelli); 50 at Wards Chapel in western Baltimore County on the 27th (Grace Naumann, Bertie MacGregor and Phyllis Ravesies); a maximum of 43 at Gude's Nursery on Feb. 27 (Paul DuMont, Robert Pyle and others); a flock of 250 at Dickerson on the 29th (Dr. Harvey Mudd); unspecified numbers in Washington County, Mar. 4 (Daniel Boone) and Garrett County, Mar. 5 (Mrs. Pope); 7 in Baltimore on Mar. 5 (Cary Beehler); 1 at Greenbelt, Mar. 11 (Hills); about 12 at Towson, Mar. 14-21

(Mariana McHale); and 1 at Bethesda through Mar. 31 (Rowlett). There was also a record-breaking report on Apr. 8 from Allegany County (Mrs. Pope). Reports of 1 or more Hoary Redpolls at Gude's Nursery could not be confirmed.

Siskins and Crossbills. Pine Siskins were present in all parts of the State. Mrs. Pope banded 77 at Mountain Lake Park and Dr. Pyle banded 216 at Chevy Chase. Up to 23 were at a Greensboro feeder, Jan. 15 to Mar. 31 (Hewitt). The only Red Crossbills found were singles at Greenbelt on Jan. 3 (Hills) and at Gude's Nursery near Rockville on Jan. 19 (Rowlett). White-winged Crossbills trickled into Cecil, Baltimore, Prince Georges, Montgomery, and Allegany Counties, starting in mid-January. At Gude's Nursery they increased from 7 birds on Jan. 15-16 (Carl Carlson and Paul DuMont) to 40 in February (Rowlett). There were 3 at Port Deposit on Jan. 17 (Mrs. Henry Roberts), 1 at Catonsville on Jan. 23 (John Cullom), 2 at Kensington on Jan. 27, 8 at Beltsville on Jan. 28 (John Pales), 3 at Bethesda on Feb. 24, 2 near Old Town on Mar. 21 (Paulus), 2 at Chevy Chase on Mar. 23 (McKnights), and 1 in Allegany County on Apr. 8 (Mrs. Pope).

Towhee, Sparrows. A Rufous-sided Towhee that attempted to winter at Mountain Lake Park was last seen on Jan. 28, having survived a minimum temperature of  $-14^{\circ}$  on the 16th. The first spring arrival was not noted there until Apr. 9 (Mrs. Pope). An Oregon Junco that had been discovered by Rowlett in Rockville in February was collected on Mar. 13 to become the only extant Maryland specimen of this difficult-to-identify species (Robbins). The first non-wintering Song Sparrows arrived at the Mountain Lake Park banding station on the Mar. 1 heat wave (Mrs. Pope).

Longspurs and Snow Buntings. Paul Woodward found 2 Lapland Longspurs near Buckeystown in Frederick County on Feb. 14. Snow Buntings were missing from Sandy Point this winter, but single individuals were seen in Prince Georges County at Hyde Field west of Andrews Air Force Base on Mar. 4 (Hills) and in Frederick County, flying over Lilypons, on the late date of Mar. 15 (Woodward)--a fitting climax to an exciting season.

U. S. Bureau of Sport Fisheries and Wildlife, Laurel



## ACCIDENTAL POISONING OF PINE SISKINS AT A FEEDING STATION

Alice S. Kaestner

In late March, 1972, a call came from Capt. Robert Morris of Carroll County inquiring as to whether there had been any report of sick or dead Pine Siskins. Although I had had numerous reports of siskins during the winter and spring, I had heard of no casualties. Mr. Morris said that he had fed about 1,000 Pine Siskins (*Spinus pinus*) and 500 American Goldfinches (*S. tristis*) and they had eaten a ton of sunflower seeds that he had had cracked at the mill for easier eating by these small finches.

Several of the siskins had died. He took some of the specimens to Dr. Louis Locke at the Patuxent Wildlife Research Center, and Dr. Locke sent them to the University of Maryland for further analysis. Their report was that death was caused by salmonella. Mr. Morris was advised not to have seed cracked in the future as the fallen seed tends to mold and become contaminated, particularly when such a large amount accumulates.

6005 Lakehurst Drive, Baltimore



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John B. Willetts, Vice-Ch., Route 1, Box 29, Frostburg 21532

#### *Rock Run Sanctuary Committee*

John R. Tomlinson, Chairman, Route 2, Box 75, Aberdeen 21001

Rodney B. Jones, Vice-Ch., 207 Oak Ave., Baltimore 21208

#### *Mill Creek Sanctuary Committee*

Robert Sharp II, Chairman, R.F.D. 1, Easton 21601

Robert K. Price, Vice-Ch., Teal Point, Route 1, Easton 21601

#### *Irish Grove Sanctuary Committee*

Robert Heatwole, Chairman, 803 Alvin Ave., Salisbury, Md. 21801

Charles Vaughn, Vice-Ch., 1306 Frederick Ave., Salisbury 21801

#### *"Adventure"*

Mrs. Morrill B. Donald, Ch. (299-6840), 11501 So. Glen Rd., Potomac 20854

Chandler S. Robbins, Vice-Ch., 7900 Brooklyn Bridge Rd., Laurel 20810

## OUR SPECIAL THANKS TO MILDRED F. COLE

*Shirley Geddes*

Since its beginning, the Maryland Ornithological Society has been very fortunate in having many devoted and talented members. Of these Miss Mildred Cole, our recently retired Executive Secretary, stands out.

Miss Cole came to Maryland from Massachusetts after the death of her brother, Richard D. Cole, who was president of the Maryland Ornithological Society when he died in 1957. From her association with Gladys Cole her interest grew and she agreed to become the Executive Secretary in 1962. At this time we were a society of ten chapters with approximately six hundred members. At her retirement, we had thirteen chapters and a membership of nearly two thousand.

The duties of the Executive Secretary are many and as our membership increased so did the hours of her labor, but she carried us along smoothly without complaint, with her quiet efficiency.

Every member has benefited from her generous contribution, which included a large share of the typing of *Maryland Birdlife*. We extend to Miss Cole our true and sincere thanks and wish her happiness for years to come.

503 Overbrook Road, Baltimore



## REPORT OF THE INVESTMENT COMMITTEE

The Investment Committee named below was appointed immediately after the first Trustees' Meeting of MOS at Ocean City in May 1971. However, the Committee did not become active until the Society received a large bequest in late December. Until this time, the Society's funds were invested in bank savings accounts.

The Investment Committee has reviewed the financial situation of the Society in detail. In order to make possible the proper use of funds, a flexible arrangement has been agreed upon, by which some funds which are expected to be used in a relatively short time will be invested in Savings and Loan Associations which yield a fairly high interest rate, and those funds which are in endowment or other relatively long-term arrangements will be invested in corporate bonds, expected to yield about 7 1/2 per cent. The Helen Miller Scholarship funds are in the latter group.

Considerable effort has gone into deciding upon principles concerning investment of the Society's funds. The purpose of the principles is to assure that an orderly arrangement will exist following the various investments which the Society must make. The Investment Committee also determines the manner and extent of investment of funds through these principles.

A final objective of the Committee has been to assist the Sanctuary Committee to interpret the will of a donor whose bequest failed to devise the property in a manner to be easily understood. A special committee has made a report which will be considered by the Trustees. A decision of the Trustees will be necessary to make proper disposition of the funds.

The Investment Committee welcomes comments from members, and will continue to function as needed to provide the Society with the best investments possible.

Elting Arnold, Chairman  
A. J. Fletcher, MOS Treasurer  
R. Taylor McLean  
Charles M. Buchanan



## COMING EVENTS

NORMAL MONTHLY MEETING SCHEDULE -- But Check Program for Exceptions

Allegany:	3rd Wednesday	7:30 p.m.	Board of Education Bldg., Cbld.
Anne Arundel:	1st Friday	8:00 p.m.	Anne Arundel Co. Library, Apls.
Baltimore:	irregular		See Program
Caroline:	3rd Friday	7:30 p.m.	Caroline Co. Library, Denton
Frederick:	1st Thursday	7:30 p.m.	Winchester Hall, E. Church St.
Harford:	1st Friday	Dinner	Churchville Presbyterian Church
Kent:	1st Wednesday		Inquire about place and time
Montgomery:	3rd Thursday	8:00 p.m.	Perpetual Building Auditorium, 7401 Wisconsin Ave., Bethesda
Patuxent:	4th Tuesday	7:45 p.m.	St. Philips Episcopal Church, 6th & Main Sts., Laurel
Talbot:	3rd Wednesday	8:00 p.m.	Christ Church Parish House, Easton
Washington:	4th Tuesday		
Wicomico:	4th Monday	8:00 p.m.	Asbury Methodist Church, Salisbury

- Aug. 26 ANNE ARUNDEL Monthly Meeting. Pot Luck Supper at Thomas Point.  
Sept.-Oct. IRISH GROVE SANCTUARY Banding Studies. Phone 1-623-4391  
Sept.-Oct. DAMSITE Banding Station in daily operation. Phone 778-0826  
Wednesdays BALTIMORE Classes in banding as weather permits. Phone 821-9225  
Sept. 6 KENT Regular Meeting.  
Sept. 7 FREDERICK Monthly Meeting. "Water is Life" by Richard Stambaugh.  
7 BALTIMORE walk at Lake Roland, 9 a.m. Mrs. William Geringer.  
9 FREDERICK field trip to Sugarloaf Mountain.  
9 BALTIMORE Market Day at Cylburn Park. Mrs. Francis C. Lang.  
10 ALLEGANY Open House at Carey Run Sanctuary. Covered dish, 4 p.m.  
11 BALTIMORE & MONTGOMERY trip to Sycamore Landing Turf Farm, 8:30.  
15 CAROLINE Monthly Meeting. Wildflowers, by Paul Bystrak.  
17 TALBOT Breakfast Hike. Hosts, Mr. and Mrs. J. F. Freeland.  
20 BALTIMORE Fall Dinner Meeting. Antarctic Adventure, K.H. Borkovich.  
20 TALBOT Monthly Meeting. Slides of Local Birds by Poke Galt.

- Sept. 21 MONTGOMERY Monthly Meeting. Hawks by Chandler Robbins.  
 21 BALTIMORE walk at Lake Roland, 9 a.m. Mrs. William Gerringer.  
 22-24 BALTIMORE trip to Cape May with N.J. Audubon. Phone 825-2175  
 23 ALLEGANY Hawk Watch at Banner's Overlook. 9 a.m.  
 23 ANNE ARUNDEL trip to Col. Bodenstein's, 7:30 a.m. E. Gizzarelli.  
 23-24 MONTGOMERY trip to Cape May, N. J.  
 24 FREDERICK trip to Lilypons Fish Ponds.  
 24 BALTIMORE trip to Horsehead Woods on McDonogh Rd, 9 a.m.  
 24 TALBOT Breakfast Hike. Hosts, Dr. and Mrs. J. T. B. Ambler.  
 26 PATUXENT Monthly Meeting. "Milpas, Motmots, and Mayas" Erv Klaas.  
 30 ANNE ARUNDEL trip to Hancock's Resolution, 7:45 a.m. R. Heise.  
 30 BALTIMORE trip to Loch Raven for ducks and fall warblers, 8 a.m.
- Oct. 1 TALBOT Breakfast Hike. Hostess: Mrs. Dolores Reese.  
 2 TALBOT Audubon Wildlife Film, "Exploring Big Bend," Hotchkiss.  
 4 ANNE ARUNDEL trip to Rolling Ridge Farm, Davidsonville, 8:30 a.m.  
 4 KENT Monthly Meeting. Little Cumberland Is., Ga. by F. Keer.  
 5 BALTIMORE walk at Lake Roland, 9 a.m. Mrs. Martin Larrabee.  
 5 BALTIMORE walk at Soldiers Delight, 1 p.m. Mrs. Elmer Worthley.  
 5 FREDERICK Monthly Meeting. Films: Garden Birds, Water Birds.  
 6 ANNE ARUNDEL Monthly Meeting. Birds of Prey of Northeastern U.S.  
 7 ALLEGANY walk, C & O Canal. Meet 9 a.m. at North Branch (PPG).  
 7-9 MONTGOMERY trip to Nags Head, North Carolina.  
 8 TALBOT Breakfast Hike. Hosts: Mr. and Mrs. Jos. Robinson.  
 8 BALTIMORE trip to South Mt. & vicinity. 7 a.m. C. Douglas Hackman.  
 12 KENT Audubon Film "Small World" by Fran William Hall.  
 14 PATUXENT trip to Hancock's Resolution. Banding by Danny Bystrak.  
 14 HARFORD trip to Brigantine National Wildlife Refuge, N.J.  
 14 FREDERICK trip to Reich's Ford Road.  
 14 STATE Trustees' Meeting, Carey Run Sanctuary, 12 noon.  
 14-15 ANNE ARUNDEL trip to Hawk Mt. Sanctuary, Pa. Gene Levitt.  
 15 ALLEGANY trip to Walden Farm, 12:45 p.m. at Rt 40 & Beans Cove.  
 15 TALBOT Breakfast Hike. Hosts: Mr. and Mrs. James G. Schmidt.  
 15 MONTGOMERY trip to Hughes Hollow for beginners.  
 18 ALLEGANY Monthly Meeting. Birds of Western US & Europe, Johnson.  
 18 TALBOT Monthly Meeting. Antarctic Adventure by V. Edwin Unger.  
 19 MONTGOMERY Monthly Meeting. Members' Night.  
 20 BALTIMORE Audubon Film "Small World" by Fran William Hall.  
 20 CAROLINE Monthly Meeting. Antarctic Adventure by V. Edwin Unger.  
 21 BALTIMORE trip to Bombay Hook and Little Creek, Del. 7 a.m.  
 21 ANNE ARUNDEL Youth Trip to Deer Creek State Park, 8:30 a.m.  
 21-23 MONTGOMERY trip to Hawk Mountain Sanctuary, Pa.  
 22 FREDERICK trip to Camp Greentop on Catoctin Mountain.  
 22 TALBOT Breakfast Hike. Hosts: Mr. and Mrs. William B. Plate.  
 24 PATUXENT Monthly Meeting. Alaskan Canoe Trails by Wayne Boden.  
 28 ANNE ARUNDEL trip to Bombay Hook Refuge, 7:30 a.m. Tony White.
- 28-29 BALTIMORE trip to Irish Grove Wildlife Sanctuary. Mrs. G. Cole.  
 29 MONTGOMERY trip to Bombay Hook National Wildlife Refuge, Del.
- Nov. 1 KENT Monthly Meeting. Speaker to be announced.  
 2 FREDERICK Monthly Meeting. Slides, Rick Warfield, Augie Selckmann.  
 3 ANNE ARUNDEL Monthly Meeting. Banding pictures by W. Bodenstein.  
 8 TALBOT Monthly Meeting. Naming of Our Birds by Donald Ross.  
 8 KENT Audubon Film "The Living Jungle" by Greg McMillan.

- Nov. 10 BALTIMORE Members' Meeting. Bird Identification by Silhouette etc.  
 11 BALTIMORE trip to Blackwater Refuge & Elliott Is. 9:30 a.m.  
 14 BALTIMORE meeting. Maryland Conservation Concerns. 8 p.m.  
 11 FREDERICK trip to Tresselt's Fish Ponds.  
 11-12 ANNE ARUNDEL trip to Irish Grove Wildlife Sanctuary. Pat Flory.  
 15 ALLEGANY Annual Banquet. Holiday Inn, 6 p.m.  
 15 TALBOT Audubon Wildlife Film "Beavers, Water, and Wildlife."  
 16 MONTGOMERY Monthly Meeting. Duck Identification by Paul DuMont.  
 17 CAROLINE Monthly Meeting. Summer birds of Poland, C.S. Robbins.  
 18 PATUXENT field trip. For destination see Laurel News-Leader.  
 18 HARFORD trip to Eastern Neck Refuge and Remington Farms.  
 18 ANNE ARUNDEL trip to Sandy Point State Park, 7:45 a.m. L. Flyger.  
 19 BALTIMORE trip to Perry Point and Rock Run Sanctuary, 8 a.m.  
 26 FREDERICK trip to Baker Park and Braddock Heights.  
 26 TALBOT trip to Eastern Neck National Wildlife Refuge.
- Dec. 1 BALTIMORE Audubon Wildlife Film, "Beavers, Water, and Wildlife."  
 1 ANNE ARUNDEL Monthly Meeting. Chesapeake Eagles by Jackson Abbott.  
 2 ANNE ARUNDEL Youth Trip to Cylburn Park, 8:30. Richard Heise.  
 3 BALTIMORE trip to Sandy Point and Kent Island. Meet at Sandy Point State Park entrance, 9:15 a.m. David Holmes.  
 4 TALBOT Audubon Wildlife Film, "Antillean Adventure" by Donald S. Heintzelman. Easton High School, 8 p.m.  
 6 ANNE ARUNDEL trip to Sandy Pt. Meet at Anglers, Rt. 50, 8:30 a.m.  
 7 FREDERICK Annual Dinner Meeting, Jefferson Community Center, 6 p.m. Penguins of the Antarctic by V. Edwin Unger.  
 6 KENT Monthly Meeting. Plan for the Christmas Bird Count.  
 9 ANNE ARUNDEL trip to Cove Point. Meet at Parole Plaza Parking Lot, Riva Rd. entrance, 7:45 a.m. John & Helen Ford.  
 9 HARFORD trip to Perry Point.  
 9 MONTGOMERY trip to Cape Henlopen, Del. and Ocean City, Md.  
 9-11 BALTIMORE trip to Nags Head, N.C. T.H.C. Slaughter, 825-8354.  
 21 MONTGOMERY Monthly Meeting. Wildlife Film to be announced.



## CHRISTMAS COUNTS

- Dec. 16 Allegany County. James Paulus (395-5178), C. Ferguson (729-3503).  
 16 Denton. A. J. Fletcher, Rt. 1, Box 201, Denton 21629 (479-1529).  
 17 Garrett County. Mrs. Wm. Pope (334-4908), D. Bystrak (672-4871).  
 17 Lower Kent County. Contact G. L. Gardner (778-3193).  
 17 St. Michaels, Talbot County. Jan Reese (745-2261).  
 17 Salisbury, Wicomico County. Charles Vaughn (742-7221).  
 17 Seneca, Md.-Va. Dr. J. William Oberman (202-333-6315).  
 23 Triadelphia Reservoir. Contact Danny Bystrak (672-4871).  
 26 Southern Dorchester Co. (Blackwater). C. S. Robbins (725-1176).  
 26 Catoctin Mountain. Dr. John W. Richards, Emmitsburg (447-4006).  
 27 Crisfield, incl. Irish Grove Sanctuary. Charles Vaughn (742-7221).  
 28 Chincoteague Refuge, Va. Frederic R. Scott, Richmond (282-2666).  
 29 Ocean City. C. S. Robbins (home 725-1176, office 776-4880).  
 30 Baltimore. Contact David Holmes (730-7083).  
 31 Annapolis and Gibson Island. Prof. Harold Wierenga (268-1674).  
 31 Washington County. Mrs. Frances Cutchall, 1847 Va. Ave., Hag'n.
- Jan. 1 Rock Run, Harford & Cecil Cos. Dr. Edgar E. Folk (642-6591).  
 1 Point Lookout. So. Md. Audubon Soc., Edward H. Schell (645-4183).

## SUGGESTIONS TO AUTHORS

Deadline for receipt of manuscripts is the first day of the month preceding the month of issue. The only exception is Annual Reports of Chapter Presidents and State Committee Chairmen, which are due at the Annual Meeting (second Saturday in May) for publication in the June issue.

Bird observations for the Season reports are due as follows:

January, February, March	Submit in April	For June issue
April, May, June	Submit in July	For September issue
July, August, September	Submit in October	For December issue
October, November, December	Submit in January	For March issue

Manuscripts should preferably be typed, 72 strokes per line, and double-spaced. Photos should be in sharp focus with good contrast; name of photographer must be included, and date if available.

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## MARYLAND BIRDLIFE

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