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Cylburn Mansion, 4915 Greenspring Ave., Baltimore, MD 21209
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Cover: Nest of Brown Pelican on Spring Island. Photo by Harry Armistead, June 21, 1998.



MAY COUNT 1998

LEANNE J. PEMBERTON, WANDA DIANE COLE, AND MARK EANES

Saturday, May 9, 1998 was Maryland's 51st annual May Count, the 7th annual North American Migration Count, and one event in the celebration of the 6th annual International Migratory Bird Day held across the North and South American continents each year. This day found birders out in less than stellar weather, with cool temperatures, rain and drizzle in most locations. Although fewer individual birds were seen than usual, the count day ended with a total of 249 species observed.

No results were reported for the District of Columbia. The Cecil County report was incomplete and the results shown in the following table were reconstructed from the records of one party. For those who participated in the Cecil County May Count that day, but whose records had not been provided, we apologize that we were unable to locate you in order to include your time and efforts into this report.

You will note that a few of our counties, such as Worcester and Somerset, are perennially under-covered. This is unfortunate as these counties have some beautiful habitats unique to Maryland. Think of the many interesting and uncommon species that are being missed there! We encourage observers whose counties currently have ample coverage to consider making their next May Count one of adventure; volunteer to spend May Count participating in one of these counties.

It can be difficult to determine valid, long-term trends in the data over the years, particularly when the number of observers varies widely among and within counties. Other factors that affect what, how many, and where species are seen include: changes in land use that cause loss or gain in habitat types; whether or not participants follow the same route each year; regional and local weather systems and whether the birds are taking advantage of them to speed their movements; the time of day that participants canvass their areas; and the number of hours of effort.

The following examples show changes in the totals of certain species over five-year intervals. These changes could be due to a trend in that species' population, changes in habitat, or simply a result of birders being in the right places at the right times. May Count results might reveal a clearer picture of what is happening to species totals if habitat and land use patterns could be assessed with the count data. The totals below are for 1988, 1993, and 1998.

Red-throated Loon	0, 1, 3
Double-crested Cormorant	634, 1265, 1347
Great Blue Heron	541, 1011, 1087

Great Egret	68, 109, 50
Green Heron	198, 169, 114
Black-crowned Night-Heron	75, 30, 9
Wood Duck	389, 486, 519
Black Vulture	173, 309, 352
American Black Duck	102, 98, 201
Bald Eagle	45, 93, 171
American Kestrel	93, 102, 201
Northern Bobwhite	314, 411, 91
Killdeer	300, 651, 567
American Woodcock	32, 73, 29
Black Skimmer	33, 302, 0 — a miss!
Least Tern	183, 104, 81
Yellow-billed Cuckoo	366, 258, 112
Barn Owl	3, 6, 22
Northern Saw-whet Owl	1, 1, 0 — a miss!
Great Horned Owl	68, 110, 30
Eastern Screech Owl	33, 89, 22

The following table of results by county utilizes a modified format that we hope will make the report easier to read and follow. Below is a legend with the abbreviations assigned to each county. These abbreviations are similar in format to those used by state agencies in Maryland.

This is Leanne Pemberton's last count as state compiler. It is her handiwork that compiled the table and list of participants. She leaves this departing message: "Many, many thanks to all the county compilers, who did most of the work, and were very patient with me, as time and electronic mishaps required sending the data repeatedly. I haven't been able to give this important job nearly the attention it deserves, and hope my successors will do better." As her successor, I can verify that electronic mishaps continue as software and hardware upgrades sent this report back to square one several times. Mark Eanes, an Information Technician (yes, he really is IT), and I, Wanda Cole, made the final edits and format changes. Finally, it is here! To all *Maryland Birdlife* readers, we thank you for your patience in waiting for this report.

P. O. Box 161, Cordova, MD 21625

AA Anne Arundel	HA Harford
AL Allegany	HO Howard
BA Baltimore City/County combined	KE Kent
CV Calvert	MO Montgomery
CE Cecil	PG Prince George's
CH Charles	QA Queen Anne's
CR Carroll	SM St. Mary's
CN Caroline	SO Somerset
DC Washington, D.C.	TA Talbot
DO Dorchester	WA Washington
FR Frederick	WI Wicomico
GA Garrett	WO Worcester

PARTICIPANTS IN MAY COUNT 1998

A bird count is successful only when a substantial number of dedicated volunteers turn out and share their expertise and enthusiasm to search the hills and vales, roadsides and interchanges, looking and listening for every feathered being that dares to make itself known. This year we were blessed with the generous support of 459 volunteers who collectively contributed 1,639 party-hours and traveled 6,216 miles to find 166,992 individual birds. That's some effort! Many thanks go to the following observers. If your name does not appear in this list, please accept our apologies. The oversight is not intentional, but logistical, as we changed statewide coordinators between the count day and the writing of the report.

Mark Angle, Henry Armistead, George Armistead, Stan Arnold, Jean Artes, Linda Baker, Tim & Mary Baldwin, Bob Balestri, Marcia Balestri, Maud Banks, Marty Barron, Polly Batchelder, Ken Bauer, Tom Beal, Genevieve Beck, Denise Bee, Wayne Bell, Tyler Bell, Debby Bennett, Mary Jo Betts, Mary Ann Beverly, Bonnie Bick, Kateleen Bielicki, Anne Bishop, Peter Blank, Rick Blom, Bill & Karan Blum, Dennis Boles, Dan Boone, Jon Boone, Raymond Bourgeois, Michael Bowen, Dessie Bowman, Sharon Bowman, Bob Boxwell, Jim Boxwell, Frank Boyle, Vera Brechbiel, Gwen Brewer, Carol & Donald Broderick, Doris Brody, Anne Brooks, Andy Brown, Roy Brown, Carl O. Brudin, III, Judy Burdette, Don Burggraf, Gwen Burkhardt, Brent & Mary Byers, Lori Byrne, Joe Byrns, Mike Callahan, Simon Calle, Kathy Calvert, Mary Jo Campbell, Libby Campbell, Steve Cardano, Linda Cashman, Chesapeake Audubon Society Team, Marty Chestem, Joe Chronowski, John Churchill, Dan Cokerham, Lisa Colangelo, Wanda Cole, Dan Collins, Tom Congersky, Don Conley, Andy Cooper, Dennis & Jane Coskren, Patty Craig, Lisa Crawford, Marty Cribb, Ruth Culbertson, Ralph Cullison, Bridgit Cupp, Jon Cupp, Sr., Sandy Dany, Robert Davis, John Dawson, Deanna Dawson, Preston Day, Curtis Dew, Tina Dew, Allen Deward, Sherri Dietrich, Robert Dixon, Carolina & Kevin Dodge, Bob Donaldson, Erin Donecky, Elizabeth Dooling, Barbara Dowell, Malcolm Doying, Robert Doyle, JoAnn Dreyer, Sam Dyke, Mark Eanes, Les Eastman, Ward Ebert, Darius & Paula Ecker, Graham Egerton, Gil Ellis, Courtney Englar, Ethel Engle, Zack Essner, Rob Etgen, John H. Fales, Frederick & Jane Fallon, Chuck Finley, Leslie Fisher, Gary Flenner, Charlotte Folk, Steve Ford, D. Ford, Colton, Conor, Liz & Jon Forrester, Doug Forsell, Sam Freiberg, Gary French, Eileen Frey, Linda Friedland, Tom Fry, Jean & Larry Fry, Cora Fulton, Jeff Futrell, George Gaffney, Carol Garza, Shirley Geddes, Ralph & Jane Geuder, Carol Ghebelian, Betty Goldman, Luther Goldman, Greg Gough, Edwin Gould, Kevin Graff, LeJay Graffius, Jim Green, Phyllis Grimm, Walter Grimm, Linda Groff, Dot Gustafson, Scott Guzewich, Matt Hafner, Chuck Hager, Joseph Halpin, Sue Hamilton, Peter Hanan, Fred Handte, Thomas Harten, Dave & Maureen Harvey, Jeff Hatfield, Al Haury, Kevin Heffernan, Jane Heim, Rebecca Herb, Jim Highsaw, Rob Hilton, Steve Hitchner, Ann S. Hobbs, Frances & Harold Hoecker, John Hoffman, Don Hollway, Dave Holyoke, Dick Homan, David, Hooper, Barbara Hopkins, Helen Horrocks, Tom Horton, John Horton, Clark Howells, Kim Hudyma, Sheila Hughes, Carl Hull, Jeanette Hull, Mary Humphreys, Miriam L. Hursey, Bob Jackson, Jan Janssen, Kye Jenkins, George Jett, Don Jewell, Diane Johns, Dale Johnson, Mark S. Johnson, Donald C. Jones, Vincent C. Jones, Leon Jordan, Peg Kaiser, Sukon Kanchanaraksa, Lois Kauffman, Nancy Kauffman, Greg Kearns, Mary Keedy, Robert Keedy, Ann Kefammer, Linda Keller, Julie Kelly, Lynn Kenny, Peter Kenny, Alys Kerns, Michael Kerwin, Ray Kiddy, Jay Kilian, Phylis Kind, Don & Ruth Kinney, Sadie Kinsinger, Andy Kinziger, Elliot & Nancy Kirschbaum, Hillar Klandrof, Richard Kleen, Bryan Knedler, Bunny Knipp, Jane Kostenko, Russell Kovach, Roger Krebs, Dave & Julie Kubitsky, Robyn Landry, Ray Lane, Dorothy Lauber, Jackee Launder, Ellen Lawler, Willie Lent, Dolly Leonig, Henry Leskinen, Mike

(continued on page 72)

May Count 1998

Species:	GA	AL	WA	FR	CR	BA	HA	CE	HO	MO	DC
Red-throated Loon	0	0	0	0	0	0	0	0	0	0	-
Common Loon	22	12	0	2	9	36	26	0	13	26	-
Pied-billed Grebe	1	0	0	1	0	0	0	0	0	0	-
Horned Grebe	1	0	0	0	0	4	0	0	0	0	-
Brown Pelican	0	0	0	0	0	0	0	0	0	0	-
Double-crested Cormorant	28	3	4	7	0	257	61	3	16	103	-
American Bittern	1	0	0	0	0	0	0	0	0	0	-
Least Bittern	0	0	0	0	0	0	1	0	0	0	-
Great Blue Heron	1	1	6	8	1	110	110	3	63	29	-
Great Egret	0	0	0	1	0	3	0	0	0	0	-
Snowy Egret	0	0	0	0	0	0	0	0	0	0	-
Little Blue Heron	0	0	0	0	0	0	1	0	0	1	-
Tricolored Heron	0	0	0	0	0	0	0	0	0	0	-
Cattle Egret	0	0	0	0	0	4	0	0	0	0	-
Green Heron	6	4	9	4	1	0	4	0	18	12	-
Black-crowned Night-Heron	0	0	0	0	0	2	0	0	2	0	-
Yellow-crowned Night-Heron	0	0	0	0	0	4	0	0	0	2	-
Glossy Ibis	0	0	0	0	0	0	0	0	0	0	-
Tundra Swan	0	0	0	0	0	0	0	0	0	0	-
Mute Swan	0	0	0	5	0	6	0	0	1	0	-
Snow Goose	0	0	0	0	0	0	0	0	0	0	-
Canada Goose	159	96	221	593	17	241	282	24	544	386	-
Wood Duck	37	32	18	24	1	15	31	6	44	22	-
Green-winged Teal	0	0	0	0	0	0	0	6	0	0	-
American Black Duck	0	0	0	0	0	3	3	0	144	0	-
Mallard	165	64	250	102	2	281	36	14	0	97	-
Northern Pintail	0	0	0	0	0	0	0	0	0	0	-
Blue-winged Teal	0	0	0	3	0	5	0	5	0	0	-
Northern Shoveler	0	0	0	0	0	1	0	0	0	0	-
Gadwall	0	0	0	0	0	2	0	0	0	0	-
American Wigeon	0	0	0	0	0	2	0	0	1	0	-
Canvasback	0	0	0	0	0	0	0	0	0	0	-
Ring-necked Duck	0	0	0	0	0	0	0	0	0	1	-
Greater Scaup	0	0	0	0	0	0	0	0	0	0	-
Lesser Scaup	2	0	0	0	0	2	0	0	0	0	-
Scaup sp.	0	0	0	0	0	0	0	0	0	0	-
White-winged Scoter	1	0	0	0	0	0	0	0	0	0	-
Common Goldeneye	0	0	0	0	0	0	0	0	0	0	-
Bufflehead	2	0	0	0	0	0	0	0	1	0	-
Hooded Merganser	0	0	3	0	0	0	0	0	0	0	-
Common Merganser	0	0	0	7	0	0	0	0	0	0	-
Red-breasted Merganser	1	5	1	0	0	5	0	0	0	3	-
Ruddy Duck	12	4	0	1	0	0	0	0	2	14	-
Black Vulture	0	7	10	28	2	36	14	1	53	15	-
Turkey Vulture	44	64	89	92	25	54	41	12	189	79	-
Osprey	4	8	11	3	0	32	13	1	9	6	-
Bald Eagle	0	0	0	0	0	3	34	2	2	1	-
Northern Harrier	0	1	1	2	0	3	1	1	0	0	-
Sharp-shinned Hawk	1	11	5	2	1	3	0	0	3	2	-
Cooper's Hawk	1	2	0	2	0	4	0	0	1	2	-

May Count 1998

Species:	GA	AL	WA	FR	CR	BA	HA	CE	HO	MO	DC
Red-shouldered Hawk	4	10	0	4	2	13	1	0	30	12	-
Broad-winged Hawk	8	17	2	1	0	0	0	0	2	0	-
Red-tailed Hawk	6	23	14	19	4	20	12	1	21	2	-
Buteo sp.	0	0	0	0	0	0	0	0	0	1	-
American Kestrel	2	6	5	20	5	3	3	0	11	1	-
Merlin	0	1	0	1	0	0	0	0	0	0	-
Peregrine Falcon	0	0	0	0	0	1	1	0	0	0	-
Falco sp.	0	0	0	0	0	0	0	0	0	2	-
Ring-necked Pheasant	0	0	0	4	0	6	0	0	0	0	-
Ruffed Grouse	21	5	1	0	0	0	0	0	0	0	-
Wild Turkey	32	11	16	6	0	0	3	0	2	2	-
Northern Bobwhite	0	0	0	3	0	6	13	2	0	0	-
Clapper Rail	0	0	0	0	0	0	0	0	0	0	-
King Rail	0	0	0	0	0	0	3	0	0	0	-
Virginia Rail	0	2	0	0	0	0	0	0	0	0	-
Sora	0	1	0	0	0	0	0	0	0	0	-
Common Moorhen	0	0	0	0	0	0	0	0	0	1	-
American Coot	22	1	3	3	0	1	1	0	0	6	-
Black-bellied Plover	0	0	0	1	0	1	0	0	0	0	-
Semipalmated Plover	0	0	0	0	0	104	0	0	0	0	-
Killdeer	50	49	30	35	7	49	28	11	35	10	-
American Oystercatcher	0	0	0	0	0	0	0	0	0	0	-
Black-necked Stilt	0	0	0	0	0	0	0	0	0	0	-
Greater Yellowlegs	0	4	0	6	0	7	5	0	2	7	-
Lesser Yellowlegs	0	7	0	11	0	491	4	0	5	0	-
Solitary Sandpiper	5	5	13	21	0	10	8	1	47	20	-
Willet	0	0	0	0	0	0	0	0	0	0	-
Spotted Sandpiper	31	21	31	32	1	33	8	0	33	55	-
Marbled Godwit	0	0	0	0	0	0	0	0	0	0	-
Ruddy Turnstone	0	0	0	0	0	0	0	0	0	0	-
Sanderling	0	0	0	0	0	0	0	0	0	0	-
Semipalmated Sandpiper	0	0	0	3	0	38	2	0	8	8	-
Least Sandpiper	5	5	1	0	0	756	8	0	0	3	-
White-rumped Sandpiper	0	0	0	0	0	3	0	0	0	0	-
Peep sp.	0	0	0	0	0	289	0	0	0	0	-
Pectoral Sandpiper	0	0	2	1	0	0	0	0	0	0	-
Dunlin	0	0	0	0	0	130	0	0	0	0	-
Short-billed Dowitcher	0	0	0	0	0	30	0	0	0	0	-
Common Snipe	0	0	0	2	0	1	0	0	2	0	-
American Woodcock	7	3	0	0	0	0	11	0	0	0	-
Laughing Gull	0	0	0	0	0	6	2	0	0	0	-
Bonaparte's Gull	0	0	0	0	0	2	0	0	0	0	-
Ring-billed Gull	79	24	4	0	0	138	12	2	10	3	-
Herring Gull	0	0	0	7	0	314	1	1	1	0	-
Great Black-backed Gull	0	0	0	0	0	93	2	0	0	0	-
Gull sp.	0	0	0	0	0	0	0	0	0	0	-
Caspian Tern	0	0	0	0	0	362	6	0	1	0	-
Royal Tern	0	0	0	0	0	0	0	0	0	0	-
Common Tern	0	0	0	0	0	0	0	0	0	0	-
Forster's Tern	1	0	0	0	0	0	5	0	0	0	-

May Count 1998

PG	AA	CV	CH	SM	KE	QA	CN	TA	DO	WI	SO	WO	MD Total
21	9	9	11	7	0	0	4	0	2	2	0	3	144
1	1	2	0	1	0	0	0	0	0	0	0	0	35
9	7	6	9	10	3	1	9	7	6	5	0	3	197
2	0	0	0	1	0	0	0	0	0	0	0	0	4
13	4	0	2	1	2	1	4	0	0	2	0	0	85
0	0	0	0	0	0	0	0	0	0	0	0	0	2
0	0	0	0	2	0	0	0	0	0	0	0	0	4
0	0	0	0	0	0	0	0	0	0	0	0	0	2
0	1	0	0	0	0	0	0	0	0	0	0	0	11
0	0	0	0	0	0	0	0	0	0	0	0	0	27
1	0	5	0	1	1	0	28	2	4	6	0	10	130
6	8	1	6	5	2	8	13	4	6	6	0	2	91
0	0	0	0	8	0	0	0	0	14	1	0	0	23
0	0	0	2	7	1	0	0	0	2	3	0	0	18
1	0	2	3	0	1	0	0	6	38	0	0	0	53
1	0	1	0	0	0	0	0	1	5	0	0	0	9
0	0	0	0	0	0	0	1	0	12	0	0	0	14
4	0	1	2	1	4	0	0	0	0	0	0	4	53
1	3	0	0	5	0	0	0	0	1	0	0	0	12
5	0	0	0	51	4	0	3	18	140	12	0	0	337
26	18	10	29	28	24	20	27	22	30	19	6	4	567
0	0	0	0	0	0	0	0	0	2	0	0	0	2
0	0	0	0	0	1	0	0	0	7	0	0	0	8
18	0	2	5	24	7	4	24	10	25	6	0	8	164
4	3	0	0	2	11	3	3	15	2	10	0	1	572
18	30	0	5	7	1	7	0	3	1	4	0	0	206
0	0	0	3	0	0	0	0	0	30	2	0	17	52
22	18	5	18	12	1	6	18	3	6	0	0	3	357
0	0	0	0	0	0	0	0	0	0	0	0	1	1
0	0	0	0	1	0	0	0	0	6	0	0	0	7
0	0	0	0	6	0	0	0	0	4	0	0	16	28
0	0	0	0	4	0	0	15	4	2	0	0	12	96
8	3	0	15	6	71	10	0	0	95	17	0	7	1010
0	0	0	0	0	0	0	0	0	2	0	0	0	5
1	0	0	0	13	0	0	0	0	0	0	0	0	303
0	0	0	0	0	2	0	0	0	0	0	0	1	6
0	0	0	0	1	0	0	1	1	60	0	0	8	201
0	0	0	0	8	0	0	0	0	5	0	0	4	47
2	0	5	0	0	0	0	0	0	0	0	0	0	12
0	0	0	1	2	0	0	2	0	2	0	0	1	29
331	161	91	14	1058	85	746	1405	1551	600	2603	200	213	9066
0	6	0	5	2	65	0	0	0	0	0	0	0	80
120	85	84	45	325	693	163	44	13	60	50	0	110	2084
60	39	18	15	232	2	28	0	12	75	22	0	139	966
0	18	1	12	166	32	4	1	3	15	0	0	3	350
0	0	0	0	0	8	0	0	0	0	0	4	0	12
0	2	2	12	5	5	0	0	0	1	0	0	0	396
0	0	9	55	232	0	0	0	2	6	0	0	7	311
17	0	2	1	7	42	3	0	5	2	0	0	0	79
6	39	0	1	69	15	6	9	7	70	1	0	7	236

May Count 1998

Species:	GA	AL	WA	FR	CR	BA	HA	CE	HO	MO	DC
<i>Sterna</i> sp.	0	0	0	0	0	0	0	0	0	0	-
Least Tern	0	0	0	0	0	16	12	0	0	0	-
Black Tern	0	0	0	1	0	0	0	0	0	0	-
Rock Dove	79	135	244	215	15	130	55	3	327	36	-
Mourning Dove	179	131	208	298	63	202	469	5	333	121	-
Black-billed Cuckoo	4	1	3	0	2	0	0	0	0	3	-
Yellow-billed Cuckoo	4	15	13	4	0	1	3	1	2	13	-
Barn Owl	0	0	1	0	0	0	0	0	0	0	-
Eastern Screech-Owl	0	0	3	7	0	0	0	0	2	0	-
Great Horned Owl	3	3	1	1	0	2	3	0	0	0	-
Barred Owl	2	2	5	3	0	2	0	0	3	9	-
Common Nighthawk	0	3	3	0	0	0	2	0	3	2	-
Chuck-will's-widow	0	0	0	0	0	0	0	0	0	0	-
Whip-poor-will	0	2	4	1	0	2	17	0	0	0	-
Chimney Swift	46	136	204	206	36	150	85	0	655	411	-
Ruby-throated Hummingbird	27	21	16	4	2	8	5	1	13	13	-
Belted Kingfisher	12	1	12	12	0	7	7	0	27	16	-
Red-headed Woodpecker	3	0	2	4	3	0	1	0	0	1	-
Red-bellied Woodpecker	20	34	69	62	10	68	72	2	176	97	-
Yellow-bellied Sapsucker	2	0	0	0	0	0	0	0	0	0	-
Downy Woodpecker	71	35	36	37	5	22	10	2	66	41	-
Hairy Woodpecker	31	8	6	6	0	5	2	0	25	12	-
Northern Flicker	37	35	40	37	7	37	23	1	68	47	-
Pileated Woodpecker	17	20	17	15	1	4	3	0	23	21	-
Olive-sided Flycatcher	0	0	1	0	0	0	0	0	0	0	-
Eastern Wood-Pewee	0	3	11	11	3	5	3	0	10	10	-
Acadian Flycatcher	0	2	1	39	0	16	4	0	30	38	-
Willow Flycatcher	0	0	0	0	0	0	0	0	0	0	-
Least Flycatcher	21	3	1	0	0	0	0	0	0	0	-
<i>Empidonax</i> sp.	0	0	0	1	0	1	0	0	0	3	-
Eastern Phoebe	47	41	41	31	9	20	17	0	61	39	-
Great Crested Flycatcher	8	35	43	59	7	16	14	1	26	81	-
Eastern Kingbird	12	24	51	86	13	73	83	5	127	0	-
Horned Lark	0	4	2	0	0	0	0	0	0	0	-
Purple Martin	20	4	79	27	0	11	7	0	21	32	-
Tree Swallow	196	62	190	173	8	150	143	150	247	602	-
No. Rough-winged Swallow	6	16	63	49	10	96	110	2	91	256	-
Bank Swallow	1	8	3	10	0	89	35	2	1	8	-
Cliff Swallow	72	36	4	12	0	82	0	0	82	9	-
Barn Swallow	347	178	228	350	124	680	190	50	520	283	-
Blue Jay	268	458	174	150	77	110	127	1	333	128	-
American Crow	316	175	406	282	78	325	178	30	497	353	-
Fish Crow	0	3	16	40	4	9	17	0	22	8	-
Crow sp.	0	0	0	0	0	46	32	0	451	34	-
Common Raven	4	12	5	2	0	0	0	0	0	0	-
Black-capped Chickadee	172	45	5	0	0	0	0	0	0	0	-
Carolina Chickadee	0	0	76	93	21	125	103	8	313	182	-
Tufted Titmouse	111	101	115	125	42	91	84	1	338	175	-
Red-breasted Nuthatch	11	4	1	0	0	1	0	0	4	1	-
White-breasted Nuthatch	70	25	30	12	5	14	4	0	69	20	-

May Count 1998

PG	AA	CV	CH	SM	KE	QA	CN	TA	DO	WI	SO	WO	MD Total
5	0	0	0	0	0	0	0	0	0	0	0	0	5
0	0	0	0	5	16	27	2	3	0	0	0	0	81
0	0	0	0	0	0	0	0	0	0	0	0	0	1
122	74	9	21	10	9	28	83	24	40	4	2	7	1672
276	224	88	104	179	37	81	84	63	12	60	0	9	3226
0	0	0	0	0	3	0	0	0	0	0	0	0	16
7	2	1	15	7	2	0	5	0	6	3	1	7	112
5	0	1	0	0	0	0	0	0	0	0	0	0	7
0	0	0	1	0	5	0	1	0	1	0	0	2	22
0	1	2	2	2	1	1	3	3	1	0	0	1	30
2	5	1	5	3	0	0	6	2	1	1	0	2	54
2	0	0	0	0	0	0	2	0	0	0	0	0	17
0	0	0	0	2	0	0	2	4	8	0	0	0	16
2	5	3	2	1	0	0	5	2	1	0	0	0	47
1002	101	36	125	130	40	42	80	14	30	16	0	0	3545
13	5	17	6	22	4	5	14	5	3	8	0	2	214
13	6	9	7	8	1	0	7	1	0	2	0	0	148
2	1	0	6	1	0	0	0	1	1	0	0	0	26
129	71	47	69	57	47	29	30	15	6	9	1	5	1125
0	0	0	0	0	0	0	0	0	0	0	0	0	2
33	21	22	17	25	10	8	21	7	5	8	0	3	505
17	4	6	2	5	3	0	3	2	1	0	0	0	138
42	24	2	8	26	13	21	9	13	5	9	0	7	511
12	7	9	19	13	0	0	8	5	4	0	0	6	204
1	0	0	0	0	0	0	0	0	0	0	0	0	2
3	2	6	10	6	2	4	7	3	2	8	0	5	114
42	14	26	11	22	4	4	3	1	0	5	4	9	275
1	0	0	0	0	1	0	0	0	0	0	0	0	2
0	0	0	0	0	0	0	0	0	0	1	0	0	26
0	0	2	0	0	1	0	0	0	0	0	0	0	8
41	14	15	24	10	3	5	8	1	0	6	0	3	436
27	21	17	20	35	42	30	37	55	25	20	2	23	644
79	77	35	19	40	10	8	23	16	12	15	0	2	810
0	0	0	2	16	2	12	64	29	2	5	0	7	145
82	85	142	146	78	84	18	143	70	45	120	0	10	1224
583	387	19	147	130	174	423	210	13	55	33	0	27	4122
315	110	0	27	15	26	7	0	1	0	5	0	0	1205
22	112	0	25	27	40	12	0	0	8	0	4	0	407
1	3	0	2	0	0	0	0	0	0	0	0	0	303
512	537	91	523	1003	266	309	199	160	110	69	0	98	6827
142	122	62	39	174	35	48	33	101	6	22	0	11	2621
442	209	139	176	392	75	59	104	35	30	22	4	14	4341
31	25	21	19	25	9	21	27	12	10	2	0	5	326
49	170	6	63	30	0	22	11	0	0	0	4	9	927
0	0	0	0	0	0	0	0	0	0	0	0	0	23
0	0	0	0	0	0	0	0	0	0	0	0	0	222
173	134	78	64	120	66	42	48	53	5	47	1	17	1769
218	136	129	1	155	37	24	48	33	12	40	3	25	2044
2	0	0	108	1	0	0	0	0	0	0	0	0	133
16	4	4	1	1	1	2	2	1	2	0	0	7	290

May Count 1998

Species:	GA	AL	WA	FR	CR	BA	HA	CE	HO	MO	DC
Brown-headed Nuthatch	0	0	0	0	0	0	0	0	0	0	-
Brown Creeper	6	1	0	0	0	0	0	0	0	0	-
Carolina Wren	6	39	58	118	9	83	40	1	225	137	-
House Wren	72	27	78	71	24	44	14	0	115	102	-
Winter Wren	1	0	0	0	0	2	0	0	0	0	-
Sedge Wren	0	0	0	0	0	0	0	0	0	0	-
Marsh Wren	0	0	0	0	0	22	3	0	0	0	-
Golden-crowned Kinglet	8	0	0	1	0	1	0	0	0	0	-
Ruby-crowned Kinglet	22	10	8	2	0	5	3	0	32	4	-
Blue-gray Gnatcatcher	32	105	36	109	24	94	86	1	197	234	-
Eastern Bluebird	37	43	143	82	12	65	68	1	147	63	-
Veery	17	0	1	7	3	20	2	2	21	10	-
Gray-cheeked Thrush	0	0	0	0	0	0	0	0	0	1	-
Swainson's Thrush	0	1	0	1	0	3	1	0	3	10	-
Hermit Thrush	20	1	0	2	0	1	0	0	3	0	-
Wood Thrush	45	57	89	242	36	119	97	10	342	164	-
American Robin	548	408	715	795	205	370	331	9	585	169	-
Gray Catbird	102	96	152	224	77	264	101	1	610	287	-
Northern Mockingbird	1	22	151	138	23	80	80	6	161	55	-
Brown Thrasher	22	14	35	21	3	5	4	3	22	30	-
American Pipit	0	0	0	20	0	0	0	0	0	0	-
Cedar Waxwing	0	7	2	14	10	17	42	0	253	61	-
Loggerhead Shrike	0	0	0	0	0	0	0	0	0	0	-
European Starling	197	300	867	1882	243	608	655	109	1142	398	-
White-eyed Vireo	0	7	7	11	4	33	23	3	80	28	-
Solitary Vireo	26	3	2	0	0	0	0	0	5	2	-
Yellow-throated Vireo	3	5	4	6	1	14	11	0	16	16	-
Warbling Vireo	0	5	13	11	0	12	3	0	1	28	-
Philadelphia Vireo	0	0	0	0	0	1	0	0	0	1	-
Red-eyed Vireo	61	110	45	69	18	130	78	0	264	247	-
Blue-winged Warbler	4	4	7	5	0	15	0	0	12	5	-
Brewster's Warbler (hybrid)	0	1	0	0	0	0	0	0	0	0	-
Golden-winged Warbler	4	9	1	0	0	0	0	0	0	2	-
Tennessee Warbler	2	1	0	0	0	0	0	0	1	2	-
Orange-crowned Warbler	0	0	0	0	0	0	0	0	0	2	-
Nashville Warbler	6	0	0	2	0	1	0	0	2	0	-
Northern Parula	34	17	10	59	5	59	49	1	145	139	-
Yellow Warbler	92	44	29	62	9	84	50	0	143	52	-
Chestnut-sided Warbler	27	7	3	1	0	5	3	0	6	3	-
Magnolia Warbler	12	1	4	5	0	2	3	0	11	2	-
Cape May Warbler	0	0	0	0	0	1	2	0	0	2	-
Black-throated Blue Warbler	19	2	3	12	4	43	20	3	131	63	-
Yellow-rumped Warbler	100	22	122	62	26	128	259	7	252	317	-
Black-throated Green Warbler	73	6	4	2	1	15	12	0	21	19	-
Blackburnian Warbler	10	4	1	2	0	2	2	0	0	2	-
Yellow-throated Warbler	2	5	5	0	0	1	2	0	1	13	-
Pine Warbler	0	14	3	0	0	2	2	1	3	3	-
Prairie Warbler	4	31	7	4	0	15	14	2	61	38	-
Palm Warbler	0	1	1	2	0	0	1	0	0	4	-
Bay-breasted Warbler	1	0	0	1	0	2	1	0	3	4	-

May Count 1998

Species:	GA	AL	WA	FR	CR	BA	HA	CE	HO	MO	DC
Blackpoll Warbler	0	0	5	1	1	2	10	1	37	38	-
Cerulean Warbler	6	12	0	2	0	2	2	1	8	4	-
Black-and-white Warbler	15	5	4	8	3	49	31	0	91	34	-
American Redstart	77	44	12	30	16	58	23	0	101	130	-
Prothonotary Warbler	0	6	1	16	0	0	1	0	1	15	-
Worm-eating Warbler	0	24	6	4	3	21	0	0	27	9	-
Swainson's Warbler	0	0	0	0	0	0	0	0	0	0	-
Ovenbird	83	54	21	30	10	77	43	1	194	63	-
Northern Waterthrush	13	1	1	7	0	6	3	0	12	24	-
Louisiana Waterthrush	9	13	3	21	1	21	4	0	19	24	-
Kentucky Warbler	1	3	1	3	1	5	5	0	44	2	-
Mourning Warbler	0	1	0	0	0	0	0	0	0	0	-
Common Yellowthroat	223	109	32	71	24	164	112	11	359	216	-
Hooded Warbler	17	13	0	0	0	15	2	0	9	0	-
Wilson's Warbler	0	0	0	0	0	0	0	0	0	0	-
Canada Warbler	2	0	0	0	0	3	0	0	0	3	-
Yellow-breasted Chat	3	9	8	1	0	6	5	1	11	7	-
Summer Tanager	0	0	0	0	0	4	1	0	0	0	-
Scarlet Tanager	57	62	22	32	1	36	37	6	95	73	-
Northern Cardinal	96	166	289	347	64	247	226	5	658	336	-
Rose-breasted Grosbeak	120	12	5	1	1	8	1	0	24	12	-
Blue Grosbeak	0	1	2	3	0	2	8	0	5	1	-
Indigo Bunting	71	137	57	119	8	42	37	6	92	131	-
Dickcissel	0	0	0	0	0	0	0	0	0	0	-
Rufous-sided Towhee	199	100	91	75	20	80	19	2	162	42	-
American Tree Sparrow	0	0	0	0	0	0	0	3	0	0	-
Chipping Sparrow	301	72	112	85	28	51	120	4	80	32	-
Field Sparrow	78	40	29	42	13	17	21	2	95	41	-
Vesper Sparrow	1	6	1	1	0	0	0	0	0	1	-
Savannah Sparrow	26	5	0	2	0	2	3	0	10	2	-
Grasshopper Sparrow	8	2	6	5	0	0	8	0	54	4	-
Henslow's Sparrow	2	0	0	0	0	0	0	0	0	0	-
Sharp-tailed Sparrow	0	0	0	0	0	0	0	0	0	0	-
Seaside Sparrow	0	0	0	0	0	0	0	0	0	0	-
Song Sparrow	219	95	79	133	25	127	34	0	215	62	-
Lincoln's Sparrow	0	0	1	0	0	0	0	0	0	0	-
Swamp Sparrow	56	0	1	1	0	4	4	0	21	6	-
White-throated Sparrow	45	19	36	19	4	58	15	0	150	63	-
White-crowned Sparrow	9	4	13	5	1	4	0	0	11	1	-
Dark-eyed Junco	6	0	4	0	0	0	0	0	0	0	-
Bobolink	181	27	66	810	1	103	196	0	358	2	-
Red-winged Blackbird	467	193	227	497	91	648	241	80	786	290	-
Eastern Meadowlark	65	32	49	80	1	5	17	0	9	2	-
Yellow-headed Blackbird	0	0	0	0	0	0	0	0	0	0	-
Rusty Blackbird	0	2	0	0	0	0	0	0	0	10	-
Boat-tailed Grackle	0	0	0	0	0	0	0	0	0	0	-
Common Grackle	201	164	932	1277	178	268	234	58	498	369	-
Brown-headed Cowbird	133	82	54	73	41	76	84	2	227	140	-
Blackbird sp.	0	0	0	0	0	0	0	0	0	1	-
Orchard Oriole	0	14	14	4	1	18	18	3	54	35	-

May Count 1998

PG	AA	CV	CH	SM	KE	QA	CN	TA	DO	WI	SO	WO	MD Total
25	26	10	22	36	9	0	4	11	2	1	0	1	242
1	1	0	0	0	2	0	0	2	0	0	0	0	43
41	32	23	14	42	17	15	10	13	2	6	1	10	466
83	44	28	37	16	13	10	3	9	2	7	0	15	758
11	8	4	13	2	0	5	0	1	3	14	4	39	144
2	3	23	4	15	1	3	1	4	5	25	1	16	197
0	0	0	0	0	0	0	0	0	0	0	3	0	3
191	67	60	83	113	17	30	21	25	10	56	0	41	1290
7	4	3	2	3	3	0	3	1	0	0	0	0	93
5	8	17	15	13	0	2	1	2	0	3	2	11	194
22	3	36	17	19	3	4	2	0	0	3	1	3	178
0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	154	66	70	139	73	44	44	47	40	69	3	15	2085
31	18	48	31	22	1	0	0	0	0	5	0	3	215
0	0	1	0	0	0	0	0	1	0	0	0	0	2
2	0	0	0	0	1	0	0	0	0	0	0	0	11
35	16	11	29	17	4	3	13	1	2	22	0	1	205
6	2	24	7	34	2	0	1	6	3	13	0	4	107
56	53	38	52	34	12	8	15	12	0	6	1	3	711
417	231	147	132	294	288	106	120	71	15	59	3	21	4338
4	1	3	2	1	1	1	0	1	0	0	0	2	200
19	12	13	12	49	8	6	26	14	4	13	2	6	206
188	64	79	92	111	33	18	39	11	4	11	5	3	1358
0	0	0	0	0	0	1	0	0	0	0	0	0	1
102	66	22	41	69	59	23	29	19	4	32	0	21	1277
0	0	0	0	0	0	0	0	0	0	0	0	0	3
106	32	73	48	110	26	31	67	88	20	68	0	12	1566
45	27	20	28	32	11	15	24	3	1	18	0	8	610
0	0	0	0	0	0	1	2	0	0	0	0	0	13
7	18	3	0	17	1	0	1	2	0	0	0	0	99
27	24	2	13	43	11	6	20	18	8	5	0	0	264
0	0	0	0	0	0	0	0	0	0	0	0	0	2
0	0	0	0	2	0	0	0	0	6	0	0	0	8
0	1	0	0	0	0	0	0	0	60	0	0	0	61
78	38	33	29	65	2	20	17	6	2	0	0	6	1285
0	0	0	0	0	0	0	0	0	0	0	0	0	1
10	14	4	3	6	0	2	0	1	0	0	0	0	133
117	40	29	4	7	12	1	1	22	1	19	0	0	662
1	1	0	0	4	11	0	0	0	0	0	0	0	65
0	0	0	0	0	0	0	0	0	0	0	0	0	10
21	337	5	1	92	2	0	23	0	0	0	0	0	2225
778	428	169	186	622	850	618	477	313	500	226	17	95	8799
16	15	9	11	72	17	14	9	10	10	5	0	4	452
0	0	0	0	0	1	0	0	0	0	0	0	0	1
0	0	5	0	0	0	0	0	0	0	0	0	0	17
0	0	9	0	0	0	0	0	0	7	0	0	51	67
984	408	233	435	1019	510	973	754	505	600	239	21	253	11113
119	55	44	54	93	168	53	76	23	30	39	2	51	1719
0	0	0	0	0	0	0	0	0	0	0	0	0	1
43	21	3	22	29	39	24	54	26	45	20	2	2	491

May Count 1998

Species:	GA	AL	WA	FR	CR	BA	HA	CE	HO	MO	DC
Northern Oriole	91	73	164	122	13	90	34	7	104	112	-
Purple Finch	35	3	30	0	0	10	2	0	0	1	-
House Finch	46	34	160	135	69	88	68	21	227	56	-
Red Crossbill	0	0	0	0	0	15	0	0	0	0	-
White-winged Crossbill	0	0	0	0	0	0	0	0	0	0	-
Pine Siskin	50	19	7	0	0	0	0	0	0	0	-
American Goldfinch	272	119	372	285	33	285	108	15	457	278	-
Evening Grosbeak	20	5	0	0	0	0	188	0	0	1	-
House Sparrow	58	159	215	451	47	176	0	0	255	137	-
Total Species	138	146	138	144	85	162	139	70	136	145	-
Total Individuals	7959	5701	8921	12375	2059	11902	6744	750	16858	9568	-
Observers	28	20	28	16	5	57	21	4	70	34	-
Parties	15	12	13	8	3	24	6	1	35	21	-
Party-hours (on foot)	72	52.5	32	33	11.5	102.8	31.25	-	184.8	118.5	-
Party-hours (by car)	51.2	29	81	56	5	15.5	32.33	-	20.7	22	-
Party-hours (total)	123.2	81.5	113	89	16.5	118.3	63.58	-	205.5	140.5	-
Party-miles (on foot)	49.7	40	27	24	8	70.7	24	-	135.2	78	-
Party-miles (by car)	571.1	214	625	573	78	89	196.2	-	236.8	150	-
Party-Miles (total)	620.8	254	652	597	86	159.7	220.2	-	372	228	-

May Count Participants (continued from page 61)

Leumas, Peter Lev, Joseph Lewandowski, Lloyd & Dorothy Lewis, Judy Lilga, Roland Limpert, Doug Lister, Lisa Lister, Annette, James & Shane Livengood, David R. Livengood, Cynthia Loeper, John Lorenz, Keith Lott, Dennis Luck, Ann Lucy, Bob Lukinic, Brigitte Lund, Leonard Lutwack, Lucy MacClintock, Nancy MacClintock, Nancy Magnusson, Dorothea & Henry Malec, Elwood Martin, Rich Mason, Carolyn May, Jim McCann, Mike & Grazina McClure, Betty McCoy, Ray McCoy, Caroline McGain, Howard McIntyre, Tim McKenzie, Dolly McSorley, Don Mehlman, Helen Meloney, Michele Melia, Nick Merryman, Don Meritt, Jeff & Elayne Metter, Barry Miller, Jan Mirro, Ann Mitchell, Michael Moffat, Barbara Molyneux, Gary Morgan, David Mozurkewich, Dwight Mueller, Dotty Mumford, Larry Murphy, Jim Myers, Isabel Neddow, Erich Neupert, Cheryl, Hannah & Steve Newcomb, Paul & Carol Newman, Paul Newton, Paul Nistico, Paul Noell, Bill Norris, Mariana Nuttle, Doug Odermatt, Daryl Olsen, Jeff & Tina Opel, Richard L. Orr, Peter Osenton, Bonnie Ott, Sharon Overholser, Jeff S. Parker, Floyd Parks, Zachary Parks, Jim Paulus, Linda Payne, Jeremy Pearse, Ed Pembleton, Siliesia Pembleton, Leanne & Mark Pemburn, Patsy Perlman, David & Peggy Perry, Anita Picco, David Pierce, Betty Pitney, Fred Pittenger, Lanna Pittenger, Mac Plant, Danny Poet, Ron & Susan Polniaszek, Bill & Fran Pope, Cal Posey, Sarah Potter, Linda Prentice, Meg Prior, Suzanne Probst, Suzanne Procell, Katie Prothero, Mike Quinlan, Kyle Rambo, Ann Marie Raterman, Sharon Raun, Mark Rawlings, Tracy Rawlings, Roger Redden, Jan Reese, Sue Ricciardi, Glen Richardson, Ellen Riley, Bob Rineer, Bob Ringler, Arlene Ripley, Les Roslund, Ronald Runkles, Jack Saba, Steve Sanford, Steve Sarro, John Sauer,

May Count 1998

PG	AA	CV	CH	SM	KE	QA	CN	TA	DO	WI	SO	WO	MD Total
36	17	3	13	19	37	11	30	14	0	0	0	2	992
0	0	0	2	1	0	1	0	0	0	0	0	0	85
132	125	46	70	173	26	38	51	60	3	14	0	9	1651
0	0	0	0	0	0	0	0	0	0	0	0	0	15
0	0	0	0	0	0	0	0	0	0	0	0	1	1
0	0	0	0	0	0	0	0	0	0	0	0	0	76
250	125	95	80	141	30	41	152	114	25	43	1	28	3349
0	0	2	0	50	0	0	0	0	0	0	0	0	266
128	77	27	53	150	28	61	216	71	15	43	0	13	2380
149	148	134	148	166	144	114	121	131	138	114	38	125	249
13434	8946	4315	6302	12712	6697	6814	7058	5003	4384	5683	365	2442	166992
42	27	14	13	23	8	10	11	6	5	8	2	7	459
23	12	11	9	13	5	7	6	5	1	4	1	5	240
121	61.5	53	38	46	12.5	19	31.5	11.5	12	14	1.5	12	1071.8
27.5	20	12	38.5	42.75	23	29	22	6.25	8.5	9	0.33	15.5	567.06
148.5	81.5	65	76.5	88.75	35.5	48	53.5	17.75	20.5	23	1.83	27.5	1638.86
73	44	47	27	46.25	12	11	12.5	9.1	3	1.75	0.5	6	749.7
115	221	190	452	427	162	250	211	161	180	156.3	13	195	5466.35
188	265	237	479	473.3	174	261	223.5	170.1	183	158	13.5	201	6216.05

Dean Scarff, Mark Scarff, Gene Scarpulla, John Scharp, Carol Schreter, Richard Schurbert, Kurt Schwarz, Judy Sconyers, Bill Scudder, Susan Setterberg, Robert Shackleton, Lisa Shannon, Dennis Shaw, Janet Shields, Chris Shipe, Craig Sholley, L.T. Short, Steve Simon, Theresa Simons, Don Simonson, Susan Sires, Skip Skipton, Chris & Eddie Slaughter, Romayne Smith, David Smith, Donald Smith, Ed Smith, Therese Smith, Jo & Bob Solem, Lynn Speedy, Paul Spitzer, Hank Stanton, Nancy Stewart, Pat Stewart, Van Stewart, Jacob Still, John Stinson, Chuck Stirrat, Betty Stockslager, Tom Strikwerda, Carolyn Sturtevant, Eva Sunell, Rick Sussman, Gary, Jacob & Joshua Swartzentruber, Hayward Swisher, Allen Swope, Cheryl Swope, Michelle Tango, Peter Tango, David Taylor, Evelyn Taylor, John Taylor, Marilyn Taylor, Mareva & Orval Teets, David Terlizzi, Tracey Terry, Glenn Therres, David Thompson, Charles Thorne, Jean Tierney, Isobel Todd, Michael Todd, Robin Todd, Paul Tolson, Robert Tourville, Todd Treichel, Bob & Mary Twigg, Lyn Utrecht, Spike Updegrove, Joshua Urban, Robert Urban, Gary Van Velsir, Gail & Charles Vaughn, Matt Von Hendy, David Walbeck, Beverly Walker, Warren Walker, David Wallace, Mark Wallace, Frank Warfield, Mark Weatherholt, David Webb, Pete Webb, Peter Wechsler, Sally Wechsler, Dave Weesner, Barry Weinberg, Heidi Welch, Glenn Welch, Bill Wells, Joy Wheeler, Marsha Whitmyre, Leo Wiegant, John Williamson, Ken Williamson, Ernest Willoughby, George Wilmot, Pat Wilson, David & Jane Winer, David Winner, Dana & Scott Winters, Betty Wolfe, Shirley Wood, Paul Woodward, Roxann Yeager, Andrea Zakowsky, Beth Zang, Helen Zeichner, Anne Ziccardi, Tony Ziccardi, Liz Zucker, Paul & Sherry Zucker, and all the unnamed birders of Maryland.



BREEDING SEASON: JUNE 1, 1998–JULY 31, 1998

DANIEL R. SOUTHWORTH

While June was slightly wetter than usual, July brought a prolonged drought. Quite a few fall migrants arrived early, and Brown Pelicans and Double-crested Cormorants continued their Chesapeake Bay expansion.

Observers: Henry Armistead, Stan Arnold, Rick Blom, Connie Bockstie, Jon Boone, Danny Bystrak, Martha Chestem, Jane & Dennis Coskren, Patty Craig, Lynn Davidson, Sam Dyke, Darius Ecker, Ethel Engle (reporting for Caroline County), Leslie Fisher, Jim & Trish Gruber, Marshall Iliff, Ryan Lesh, Elizabeth Pitney (reporting for the Wicomico Bird Club), Danny Poet, Fran Pope, Suzanne Probst, Mike Quinlan, Kyle Rambo, Jan Reese, Robert Ringler, Eugene Scarpulla (reporting for Hart-Miller), Stephen Simon, Susan Sires, Connie Skipper, Jo Solem (reporting for Howard County), Jim Stasz, Rick Sussman, Marcia Watson-Whitmyre, Dave Webb, Michael Welch, Dave Weesner, Hal Wierenga.

Abbreviations: DC – District of Columbia, NWR – National Wildlife Refuge, PRNAS – Patuxent River Naval Air Station (St. Mary's County), PWRC – Patuxent Wildlife Research Center (Prince George's County), PWRC/N – Patuxent Wildlife Research Center North (Anne Arundel County), SF – State Forest, SP – State Park, WMA – Wildlife Management Area, WS – Wildlife Sanctuary.

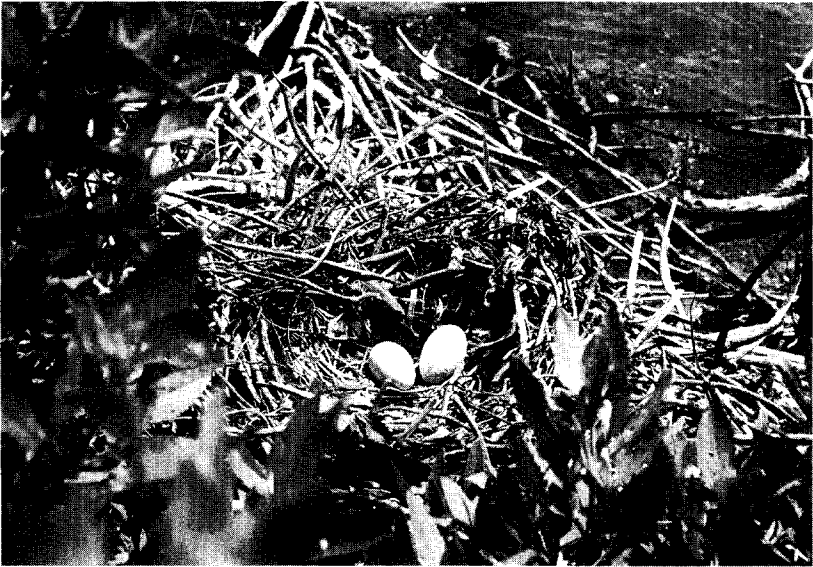
Locations: Place names (with counties in parentheses) not in the index of the State highway map: Adam Island (Dorchester), Assateague Island (Worcester), Barren Island (Dorchester), Blackwater NWR (Dorchester), Bloodsworth Island (Dorchester), Chino Farms (Queen Anne's), E. A. Vaughn WMA (Worcester), Hart-Miller Island (Baltimore), Horsehead Wetlands Center (Queen Anne's), Hughes Hollow (Montgomery), Lake Elkhorn (Howard), Merkle WS (Prince George's), Pone Island (Dorchester), Pickering Creek Environmental Center (Talbot), Tuckahoe SP (Caroline), Spring Island (Dorchester), Tydings Island (Harford).

Loons, Grebes, Shearwaters, Storm-Petrels. One of the more exciting summer birds in recent years was the **Pacific Loon** frequenting Hains Point from May 25 (Hilton+) through June 7 (Todd+). From June 8 – June 11 it was seen in the area off Roaches Run (Elitzak, Farkas+). Dave Weesner reported a **Common Loon** at Greenbrier SP on June 7 and found it still present on July 7. Leslie Fisher found an adult **Pied-billed Grebe** with 10 young at Grove Point, WMA on June 6, and an adult Pied-billed and 5 chicks were observed at Easton on June 20 (Stasz, Ringler). Darius Ecker noted a **Horned Grebe** at Lake Elkhorn on June 12. The deep waters of Baltimore Canyon yielded some pelagic birds this season with Andy Ednie and

party reporting 3 **Cory's Shearwaters** on June 21; 30 **Greater Shearwaters** on June 14, and 73 on June 21; 3 **Sooty Shearwaters** on June 14, and 1 on June 21; 1 **Manx Shearwater** on June 14; and 1 **Audubon's Shearwater** on June 21. Dave Czaplak and Mary Ann Todd spied 2 Audubon's Shearwaters about 8 miles offshore from Worcester County on June 28. **Wilson's Storm-Petrels** included about 100 in Baltimore Canyon on June 14 and 30 there on June 21 (Ednie+).

Pelicans, Cormorants, Herons, Egrets, Ibis. The summering population of **Brown Pelicans** in the lower and middle portions of the Chesapeake Bay has been showing increases in recent years. Harry Armistead surveyed some Dorchester County islands again this season, and for the first time found several Brown Pelican nests on Spring Island: three nests with 3 eggs, nine nests with 2 eggs, and three nests with 3 eggs on June 21. Dave Brinker noted the two oldest of 12 chicks banded at Spring Island on July 17. Armistead also found a **Double-crested Cormorant** nest with two eggs on Spring Island on June 21. The high for inland **Great Egrets** was 20 at Lilypons on July 26 (Michael Welch), and the high for **Cattle Egrets** was 51 at Kitt's Point, St. Mary's County on July 24 (Craig). Pete Webb reported a **Yellow-crowned Night-Heron** nest in Lochearn, Baltimore County on June 11 with two adults and five young. Post-breeding dispersal Yellow-crowns included an immature at Font Hill, Howard County on July 26 (Coskrens), and 2 adults and 1 juvenile at Lilypons the same day (Welch). An immature **White Ibis** was reported at Lilypons on July 26 (Welch), and a **Glossy Ibis** was listed inland at Merkle WMA, Prince George's County on July 11 (Beth Johnson). Harry Armistead roughly estimated the following numbers of breeding *pairs* at the Holland Island heronry in Dorchester County: 10 **Little Blue Heron**, 15 **Snowy Egret**, 5 **Cattle Egret**, 15 **Tricolored Heron**, 35 **Great Blue Heron**, 35 **Great Egret**, 10 **Black-crowned Night-Heron**, 12 **Yellow-crowned Night-Heron**, 7 **Glossy Ibis**, and 2 **Green Heron**. Harry reports that the owner is attempting to preserve this quickly eroding island. Hopefully, he will have some success. Martha Chestem tracked the Great Blue Herons nesting at Vantage Point in Columbia throughout the spring and summer, and on July 9 she noted large young still in the nests. Chris Swarth reported a Black-crowned Night-Heron on June 1 at Jug Bay, where they are rare.

Vultures, Swans, Geese, Ducks. Mike Quinlan reported two nestling **Turkey Vultures** in a tree hollow on June 9 for the first nesting record at Jug Bay, and Jan Reese found a Turkey Vulture nest in a hollow log at Pickering Creek Environmental Center on June 5. Ryan Lesh spotted a solo **Tundra Swan** at North Branch on June 7. Thankfully, it appears that fewer numbers of **Mute Swans** are being reported, although 203 were at Eastern Neck NWR on July 2 (Gruber, Snyder). Lingering **Snow Geese** were present with 1 at the Tred Avon River, Talbot County on June 24 (Carol McCullough), and another at Loch Raven on July 19 (Simon). **Brant** also summered with 2 at Ocean City on June 21 (Hilton), and June 25 (Watson-Whitmyre). The high for **Canada Geese** was 300 in northern Montgomery County on June 27 (Stasz, Lesh). Solo **Green-winged Teals** were present at E. A. Vaughn WMA on June 27 (Dyke), and at Hart-Miller on July 25. Scarpulla and party counted the high for **Mallards** with 357 at Hart-Miller on June 14th; 200 were at Chestertown on July 2 (Gruber, Snyder). Hart-Miller hosted several summering ducks: a female **Northern Pintail** on July 25, 3 **Northern Shovelers** on June 20, an **American Wigeon** on June 14 and June 20, and a **Red-breasted Merganser** on July 6. Also lingering into the summer were a **Canvasback** at Cecilton on July 2 (Fisher, Watson-Whitmyre), single **Ring-necked Ducks** at PWRC/N on June 13 (Dave Mozurkewich), and at Lake Artemesia, Prince George's County on June 26 (Lesh), a **Lesser Scaup** at Grasonville on July 12 (Boone), a **Surf Scoter** at Bellevue on July 26 (H. & Liz Armistead), a **Hooded Merganser** near Town Hill on June 7 (Stasz, Lesh), 2 **Common Mergansers** in Prince George's County on the northeast branch of the Anacostia River on June 21 (Philip Meyers), 3 **Red-breasted Mergansers** at Ocean City on June 21 (Hilton), a **Red-breasted**



*Fig. 1. Nest of Double-crested Cormorant on Spring Island, June 21, 1998.
Photo by Harry Armistead.*

at Chesapeake Beach on July 15 (Stasz, Lesh), and 10 **Ruddy Ducks** at Lilypons on June 13 (Konchog Norbu).

Diurnal Raptors. Once again, **Mississippi Kites** were spotted including 2 at PRNAS on June 3 (Rambo), 1 in Upper Marlboro on June 24 (Stasz), and 1 at the Route 13/Route 640 interchange on July 31 (Michael O'Brien). Susan Sires identified an adult Mississippi Kite following a storm at Dans Mountain, Allegany County on June 17. Bob Ringler and Jerry Tarbell listed an adult **Bald Eagle** on the Potomac River at Cohill in Washington County on June 7. Three **Northern Harriers** were present at Hart-Miller on the rather late date of June 14, and a **Sharp-shinned Hawk**, carrying prey, was spotted on June 27 at Morgan Run in Carroll County in an area where this species is not known to nest (Ringler). **Merlins** were in evidence with single sightings on June 3 at PRNAS (Rambo), and on July 20 near Columbia (Dave Harvey).

Grouse, Turkeys, Rails, Coots, Cranes. Connie Skipper discovered an adult **Ruffed Grouse** with 4 young at Bittinger on June 18, and Bob and Marilyn Crouse discovered an adult **Wild Turkey** with 6 young at Williston on July 2. A **Ring-necked Pheasant** was found near Elkridge in Howard County on May 30 and June 7 (Probst). The only **Black Rail** report was of 2 on June 27 at Elliott Island where this species appears to be declining (Davidson, Wierenga). Very interesting were the individual **Soras** at Hughes Hollow on June 10 (Dave Young), and near Millington for the second consecutive summer on June 17 (Fred Fallon). Soras are rare breeders in our region. At Easton, Ringler and Stasz found an adult **Common Moorhen** on June 20 sitting on a nest with 1 downy chick visible, and Ethel Engle reported three summering at Tanyard. **American Coots** were present with 9, including a downy young, at Easton on June 20 (Ringler, Stasz), 2 at Hughes Hollow on June 27 (Lesh, Stasz), 2 in Havre de Grace on July 11 (Webb), and 1 at E. A. Vaughn on July 19 (Dyke). Jim Gruber spied 2 **Sandhill Cranes** flying over Chestertown on July 15.

Shorebirds. A late migrant **Black-bellied Plover** was notched at Hart-Miller on June 14, and 4 presumably early fall birds were spotted at Tydings Island on July 31 (Webb). Four late **Semipalmated Plovers** were at Hart-Miller on June 20. Harry Armistead reported that 55 **Piping Plovers** were monitored by DNR staff at Assateague Island. Twenty-one **Killdeer** were flocking at Hart-Miller on June 6, and 24 were counted at Courthouse Point WMA, Cecil County on June 13 (Watson-Whitmyre). Jan Reese found a Killdeer nest with four eggs in a Walmart parking lot in Easton on July 11, and on July 14 he noticed 4 recently hatched young in the lot. A **Black-necked Stilt** was located at Elliott Island on June 27 (Davidson, Wierenga+). The 3 **Lesser Yellowlegs** at Hart-Miller on June 6 were late spring migrants and the single bird there on June 20 was possibly an early fall migrant, as were the solo **Solitary Sandpipers** at E. A. Vaughn on June 27 (Dyke), and at PWRC/N on July 2 (Arnold). Two Willets were noted at Chesapeake Beach on June 17 (Bystrak), and an eastern race Willet was identified at Hart-Miller on July 25. Rick Blom counted 46 **Spotted Sandpipers**, including 8 juveniles, at Hart-Miller on July 17. **Upland Sandpipers** were 5 near Lilypons on July 12 (Shiras Guion), 7 at PRNAS on July 16 (Rambo) and 28 there on Aug. 1 (Tyler Bell), and 6 at the Frederick County Airport on July 27 (Weesner). A **Marbled Godwit** was a nice find at Ocean City on July 29 (Armistead, Brinker+), and an early migrant **Ruddy Turnstone** was checked off at North Beach on July 26 (Stasz). Scarpulla and party were treated to a late migrant **Red Knot** at Hart-Miller on June 6. Dave Webb listed **Sanderlings** at Tydings Island with 2 on July 26 and 14 on July 31. **Semipalmated Sandpipers** at Hart-Miller included 193 on June 6, 4 on June 14, 2 on July 6, and 202 on July 18. **Western Sandpipers** are rare in spring at Hart-Miller but 1 was present on June 6. Two were checked off at Blackwater on July 9 (Mary Ann Todd), and 13 were at North Beach on July 31 (Stasz, Lesh). **Least Sandpipers**, unusually late for spring, included 2 at Scotland on June 5 (Craig), 1 at Pleasant Valley, Garrett County on June 6 (Stasz, Lesh), 11 at Hart-Miller the same day, 5 at North Branch on June 7 (Stasz, Lesh), and 1 at Hart-Miller on June 14. A **White-rumped Sandpiper** at Tydings Island on June 4 (Webb), and one with an injured leg at Hart-Miller on June 28 were most likely late spring migrants, while the one at Hart-Miller on July 18 was a record early fall arrival. The single **Pectoral Sandpipers** found at Chesapeake Farms, Kent County (Gruber, Snyder), and at Hart-Miller on July 6 were heading south. The **Dunlin** at Hart-Miller on June 28 was most likely a late spring migrant, while the one there on July 11 was an unusually early fall bird. A nice alternate-plumaged **Curlew Sandpiper** was at Hart-Miller from May 31 into June and on July 25, and 2 **Stilt Sandpipers** were observed at Horsehead Wetlands Center on July 12 (Boone). A late spring migrant *griseus* race **Short-billed Dowitcher** was noted at Hart-Miller on June 14, and an early fall Short-billed was present at Scotland on July 4 (Craig). The high for the Short-bills was 50 at Cecilton on July 26 (Fisher+). Hart-Miller hosted a male **Wilson's Phalarope** on June 6; Blom reported an adult female there on July 17. **Red-necked Phalaropes** also visited Hart-Miller with 3 on June 6.

Gulls, Terns. Scarpulla noted a lone **Bonaparte's Gull** at Hart-Miller on June 14. One or two **adult Ring-billed Gulls** at Neavitt and at St. Michaels on June 23 (Reese), and at North Beach on July 4 (Stasz) were a little unusual. David Abbott reported an adult **California Gull** loafing with some Ring-billeds in DC on July 23, and a first-summer **Iceland Gull** visited Hart-Miller on June 6. **Lesser Black-backed Gulls**, the majority first-summers, were very evident at Hart-Miller: 1 bird was there on June 6 and June 14, 3 on July 6 and July 10, 5 on July 11, and 6 on July 17. On June 28, Czaplak and Todd found **Great Black-backed Gulls** with nests and young at the Fourth Street flats in Ocean City; this does not harbor good things for the nesting **Royal Terns**, **Common Terns**, and **Black Skimmers** utilizing the small islands there. Sam Dyke reported 430 pairs of Royal Terns at this site on June 17, and 10 Black Skimmer nests with eggs or small young were there on July 29 (Armistead, Weske, Brinker+). Dyke found 2 **Gull-billed Terns** at E. A. Vaughn on both June 27 and July 19. Stasz noted a

Caspian Tern on the late date of June 2 at Upper Marlboro, and the high for Caspians was 151 at Hart-Miller on June 14. Jim Stasz counted 28 Royal Terns at Pt. Lookout on June 21, and Craig noted 10 **Forster's Terns** at Scotland on July 4. **Sandwich Terns** were in Ocean City with 2 seen on June 16 (Dyke), 1 on June 28 (Czaplak, Todd), on 1 on July 29 (Armistead, Weske, Brinker+), but no evidence of nesting was reported. Twenty **Common Terns** were attending nests at Western Island, Dorchester County on July 29 (Armistead+). Jim and Trish Gruber observed several nesting **Least Terns** at Rose's Department Store in Chestertown on June 20, and the high count for this tern was 32, 18 adults and 14 juveniles, at Horsehead Wetlands Center on July 26 (Boone). A **Black Tern** was spotted at the mouth of the Choptank River in Talbot County on July 15 (Stasz), and another was at Horsehead Wetlands Center on July 26 (Boone).

Doves, Cuckoos, Owls, Kingfishers. Emily Pugsley reported a **Ringed Turtle-Dove** in Silver Spring on June 10-11, and Gail Mackiernan verified this sighting on June 16. The **Black-billed Cuckoo** at Lake Elkhorn on June 12 (Ecker) was probably a late migrant. Connie Skipper enjoyed observing two juvenile **Barred Owls** begging for food successfully for about two weeks beginning July 2 at her home near Oakland. Jan Reese found a **Belted Kingfisher** nest-tunnel with chirping young at Terrapin Pt. Park, Queen Anne's County on July 13.

Woodpeckers, Flycatchers. Fran Pope wrote that the two adult **Red-headed Woodpeckers** that began frequenting her feeders in Garrett County on July 11 were joined by a young one on July 18, and that on July 31, two young began coming to the feeder, occasionally with both adults. Patty Craig reported an adult and juvenile Red-headed Woodpecker at Dameron on July 31, as well as 2 adult **Red-bellied Woodpeckers** with a juvenile there earlier on June 9. A molting adult **Yellow-bellied Flycatcher** was reported at Ferry Landing, Calvert County on July 18 (Stasz, Lesh), and **Least Flycatchers** included solo birds at the Route 40 Industrial Park, Cecil County on May 29 (Watson-Whitmyre) and June 6 (Fisher), at Lake Elkhorn on June 8-9 (Ecker), and at Patuxent River Park, Prince George's County on June 13 (Paul DuMont). Danny Poet observed a **Great Crested Flycatcher** carrying nesting material to a box on June 29 and again on July 1 at Queenstown. Dameron was the place to be on June 20th when Patty Craig found a **Gray Kingbird** at her home, only the fourth for Maryland.

Vireos, Jays, Larks, Swallows. On June 13, Ringler found a **Warbling Vireo** feeding young in a nest on Roops Mill Road, Carroll County, and on July 20, Poet observed a **Red-eyed Vireo** feeding a juvenile Brown-headed Cowbird at Queenstown. An adult **Blue Jay** with two fledglings was seen at Pickering Creek on June 5 (Reese). The high for **Horned Larks** was 30 at PRNAS on July 24 (Rambo), and for **Tree Swallows**, 220 at Chino Farms on July 29 (Gruber). Jan Reese found an early Tree Swallow nest at Pickering Creek on June 5. The highs for **Northern Rough-winged Swallows** were 200 at River Road, Montgomery County on July 11 (Ralph Wright), and 175 at Chino Farms on July 29, where Jim Gruber also tallied 200 **Bank Swallows** on the same day. Ralph Wright discovered three **Cliff Swallow** nests with young at Rileys Lock, Montgomery County on July 11.

Wrens, Thrushes. Interesting wrens included a **Winter Wren** singing at Roth Rock, Garrett County on June 6 (Stasz, Jett, Lesh), and a nice-to-find **Sedge Wren** at Deal Island WMA on June 25 (Watson-Whitmyre). The **Swainson's Thrush** banded at PRNAS on June 16 was very late (Craig, Hardgrave, Wright). Jan Reese observed an **American Robin** gathering nesting material on July 14, and Danny Poet found three half-grown robins in a nest at Queenstown on July 31.

Warblers. Connie Skipper heard a **Blue-winged Warbler** singing at Gorman, Garrett County on June 26. The 2 **Magnolia Warblers** at Joe Metz Road, Cecil County on June 6 (Fisher), the 3 **Black-throated Green Warblers** at Pt. Lookout on June 4 (Craig), and the 2 **Black-throated Green Warblers** at Chino Farms on June 6 (Gruber) were all late migrants. A **Yellow-throated Warbler** was checked off at Lost Land Run, Garrett County on July 27 (Skipper). Jon Boone observed 2 adult **Pine Warblers** feeding a young cowbird at Horsehead Wetlands Center on July 26. The **Palm Warbler** at Nanjemoy Creek Environmental Center, Charles County on June 13 (Norm Saunders) was extraordinarily late, and tardy **Blackpoll Warblers** included singles at PWRC/N on June 6 (Arnold), at Chingville on June 8 (Tina Dew), and at Patuxent River Park, Prince George's County on June 13 (Paul DuMont). The 2 **Black-and-white Warblers** banded at PRNAS on July 24 (Craig) were probably early fall migrants. Patty Craig found an adult and a recently fledged **Kentucky Warbler** at PRNAS on July 3, and a **Mourning Warbler** was at Rockburn Branch Park on June 5-7 (Erich Neupert).

Sparrows. Jan Reese discovered an **Eastern Towhee** nest with 3 nestlings at Neavitt on June 5, and a pair of **Field Sparrows** with 4 fledglings there on June 16. Patty Craig found 3 **Field Sparrows**, including a juvenile, at Dameron on June 13. The 2 **Savannah Sparrows** at Hart-Miller on June 6 were interesting because that is well beyond their usual departure date. A nice count of 40 **Grasshopper Sparrows** was made at PRNAS on July 24 (Rambo). Eleven **Henslow's Sparrows** were tallied at Combination Road, Garrett County on June 6 (Stasz, Jett, Lesh). A **Henslow's Sparrow** was also at Moore's Way, Prince George's County on June 15 and July 3 (Stasz, Greg Miller+). Connie Skipper reported the following **Henslow's** activity in Garrett County: 16 at White Church-Steyer Road, Gorman on June 23, 9 at Swanton on June 26, 4 at Audley Riley Road, Gorman on the same day, 11, including a juvenile at Lost Land Run on July 27, 10 singing males and a juvenile at Bittering on July 28, and 6 to 7 singing males at Rock Lodge Trust, McHenry on July 29. A tally of 79 **Song Sparrows** was turned in from Hart-Miller on June 20. The **Swamp Sparrow** at Pt. Lookout SP on June 4 (Craig) may have been breeding there. Two **White-throated Sparrows** were noted at Pt. Lookout on June 4 (Marty Cribb, Craig), 1 was at Ellicott City on June 7 (Bockstie, Probst), and another was in Bowie from June 8 through July 15 (Fred Fallon). Three juvenile **Dark-eyed Juncos** were at Roth Rock, Garrett County on June 6 (Stasz, Jett, Lesh).

Cardinals, Grosbeaks, Buntings, Dickcissels. Patty Craig noted a pair of **Northern Cardinals** with 2 recently fledged young at Dameron on June 10. Tom and Cathy Franklin reported a male **Rose-breasted Grosbeak** at a feeder near Marriottsville Road in Howard County, an unusual location for this species, on July 17-19. Craig noted a pair of **Blue Grosbeaks** carrying food at Elms Beach, St. Mary's County on June 13, and found an **Indigo Bunting** nest with three eggs, one a cowbird's, the same day at Dameron. A **Dickcissel** was singing at Triadelphia Road, Montgomery County on June 1 (Sussman).

Icterids, Siskins, Finches. A male **Bobolink** was singing at PWRC/N on June 4 (Dave Mozurkewich, Arnold). Two **Bobolinks** were at Hart-Miller on July 11. Jan Reese located a **Red-winged Blackbird** nest with 4 nestlings at Neavitt on June 5, and Rick Sussman saw a pair of **Eastern Meadowlarks** building a nest at Triadelphia Mill Road, Montgomery County on June 1. Dameron hosted about 1000 **Common Grackles** on June 4 (Craig). A male **Baltimore Oriole** visited Salisbury, where they are rare, on June 14-15 (Jo Satloff). A male **Orchard Oriole** was singing at Gorman, Garrett County on June 22 (Skipper). Two **Pine Siskins** were located at Swallow Falls SP, Garrett County on June 6 (Stasz, Jett, Lesh), and a female **Purple Finch** was found at Greenbrier Road, Washington County on July 2 and July 8 (Weesner).

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Editor: Chandler S. Robbins, 7900 Brooklyn Bridge Rd., Laurel, MD 20707
Phone: 301-725-1176; fax: 301-497-5624; e-mail: Chan_Robbins@usgs.gov
Assoc. Editor: Janet Millenson, 10500 Falls Rd., Potomac, MD 20854
Asst. Editor: Robert F. Ringler, 6272 Pinyon Pine Ct., Eldersburg, MD 21784
Mailing: Howard County Chapter
Headings: Schneider Design Associates, Baltimore

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