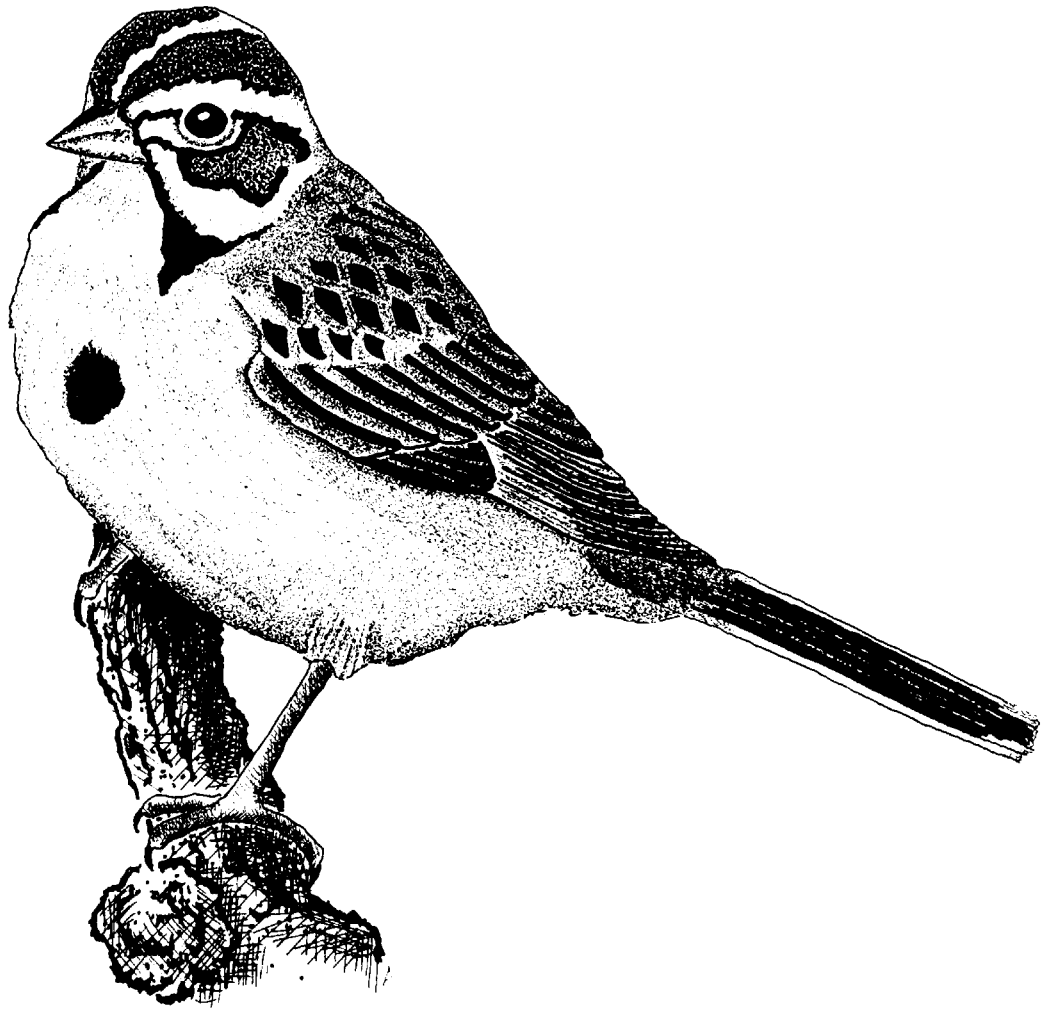
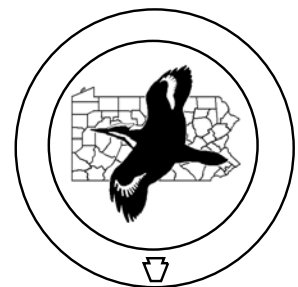


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COVER: Lark Sparrow by Adrian Binns

from the Editors...

Stormbird Chasing

The saying goes “Every cloud has a silver lining.” This is certainly true for hurricanes, despite their devastation and loss of life.

As we go to press, Hurricane Floyd has just passed by—alas, not dropping any seabirds on Pennsylvania. As in recent years, a concerted effort was made to find any unusual birds that may have been blown in by the storm.

As you are reading this, we are still in the current hurricane season. If another hurricane should follow a path through this state, birders should make an effort to record any unusual birds that result. Here are some tips.

Recent history has shown that the east side of the storm is the most productive for storm-related birds (note the pattern from Hugo and Fran). So, a storm passing through central or western Pennsylvania offers the best chance for goodies.

History also shows that the day after the storm is the best time to find the birds blown in. Although bodies of water are the obvious places to look, many seabirds have been found in large parking lots (that appear like lakes when soaked), so keep an eye out on those shopping center parking lots while driving to your nearby lake or river.

Good luck!

New Compilers

Rolph and Annick Helbig have volunteered to compile for *Union*—their first report appears in this issue—and Cindy Davis has offered to compile any records for *Northumberland*. This county has been a black hole since the inception of *Pennsylvania Birds*. We know it has some good birding areas. If you are birding in *Northumberland County*, please send you records to Cindy.

New Editors

Jennifer Ottinger and Keith Bildstein of Hawk Mountain Sanctuary have volunteered to be the new Hawk Migration Editors. They certainly have the inside track on hawk migration! Welcome aboard.

CBC and NAMC Reports

Our new CBC editor, Nick Bolgiano, managed to put together the CBC report for the 98/99 Christmas Bird Count. We include it in this issue.

We hope to have the NAMC report in the next issue. It was not completed in time for this one. After next issue, we hope to get back on track with the timeliness of reports such as CBC and NAMC (assuming our editors don't leave the state!).

PSO Officers and Directors

In any organization, there are always those members who grumble about the “elite clique” that runs it. Well here is your chance to join that “elite clique.”

We need board members and officers. By being on the board, you can have a direct influence on policy decisions. If you feel your views are not being well represented, you can make your views heard loud and clear by becoming a board member.

The board meets only 2 or 3 times a year (usually in a central location like State College), so it does not take a lot of time commitment.

If you are interested in becoming a board member or officer, please contact Dan Brauning (nomination committee chairman - RR2 Box 484, Montgomery, PA 17752, 570-547-6938, brauning@mail.csrlink.net) and he will add your name to the list of nominees.

We are always looking for new blood in the organization and have to struggle each year to find people willing to take a more active role in the organization. Any organization is only as vibrant and meaningful as its active membership. Become involved! ♣

Frank & Barb Haas
Chief Editors

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The first successful Ring-billed Gull (*Larus delawarensis*) nesting in Pennsylvania

by Jerry McWilliams

Ring-billed Gulls are the most common and widespread gulls of inland North America. They breed from British Columbia east across southern Canada, around the Great Lakes, and east to Newfoundland. In the United States they breed as far south as Utah in the West and Ohio and Indiana in the East. In North America they winter from southern Canada across most of the United States (AOU 1998).

In Pennsylvania they are best known as migrants and winter residents. They are common around shopping center parking lots, dumps, and around lakes and rivers throughout the state. Ring-billed Gulls have not always been numerous in Pennsylvania. Around the turn of the twentieth century Ring-billed Gulls were considered rare away from large bodies of water such as Lake Erie and the Susquehanna and Delaware rivers (Poole unpubl. ms.). Now over 50,000 Ring-billed Gulls can be seen around Presque Isle State Park during migration and in winter (pers. recs.), but before 1904 they were not recorded there in winter (Todd 1940).

After 1904 Ring-billed Gull numbers began to increase, but the population did not explode until the 1960s when Ring-billed Gulls discovered new food sources such as shopping centers, dumps, and cultivated fields (Peterjohn 1989). The increase of gizzard shad in the Great Lakes also contributed to their rapid expansion (Peterjohn 1989). Despite the increase in gull numbers in Pennsylvania they had not successfully bred in the state. Ring-billed Gulls were not known to breed around the southern Great Lakes until around 1927, when nests were found along the north shore of Lake Ontario (Quilliam 1965). It wasn't until 1936 that nesting was observed in New York (Hyde 1939) and 1966 in Ohio (Peterjohn 1989). By the 1980s nesting had become so successful that an estimate of 700,000 nesting pairs were found in the Great Lakes-St. Lawrence River region (Blokpoel and Tessier 1986).

Pennsylvania did not contribute to this total of nesting pairs in the

region. There are only about 45 miles of Lake Erie shoreline in Pennsylvania. Most of this shoreline is narrow and adjoins high bluffs. Presque Isle State Park is the only site along the state's shoreline that has some suitable gull nesting habitat. In 1983 the first Ring-billed Gull nests were discovered in Pennsylvania by J.R. Hill when he counted 20 nests, three of which contained an egg, at Gull Point at the east end of Presque Isle State Park (Hill 1986). However, nesting was unsuccessful because of predation (Hill 1986). Subsequent nesting attempts at this site in 1995 with at least 50 nests and 1997 with up to 50 nests were also unsuccessful (McWilliams and Brauning, forthcoming).

On June 14, 1999 Wendy Campbell (licensed bird rehabilitator) received three gull chicks that had been picked up in the vicinity of the General Electric plant (GE) in east Erie (W. Campbell, pers. comm.). On 16 June a large concentration of gulls was observed near the junction of Twelfth Street and Franklin Avenues on GE property in Erie (L. McWilliams pers. comm.). On 17 June at 10:00 a.m. I visited this site and discovered a large Ring-billed Gull colony. I estimated 700 to 800 adults including several incubating birds and at least 120 chicks at various stages of growth. This documents the first successful nesting of Ring-billed Gulls in Pennsylvania. There were also a few scattered pairs of incubating Herring Gulls at the north end of the Ring-billed Gull colony. The nesting site was formerly covered with brick buildings which were demolished around 1996 (GE personnel). Most of the debris was removed leaving a blanket, and a few shallow piles, of brick rubble and some pavement. Most of the nesting activity was in the brick rubble. This vacant lot is several acres in size and is enclosed by a chain-link fence. The area can be accessed by GE employees, but it remains vacant and undisturbed. Apparently gulls were not present at this site following the year of demolition, but a few birds were reported in 1998 (GE personnel). However, it is not known whether they

nested there last year. There are no present plans by GE to develop or disturb this site.

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Documentation of Clay-colored Sparrow Breeding at Piney Tract, Clarion County, Pennsylvania

by John Fedak

In 1998, Clay-colored Sparrows were first observed at Piney Tract in Clarion County. A single bird was heard singing by John Fedak on 15 April and was heard and seen from a distance on 16 April by Bill Reddinger and John Fedak. On 17 July the birds were rediscovered by Charles Studholme and John Fedak and were observed by numerous observers until at least 25 July. The birds were observed singing and carrying food. Juvenile birds believed to be Clay-colored Sparrows were observed and photographed. This may have been the first documented breeding in the state. However, no juveniles were observed being fed and a nest was not discovered.

On 2 June 1999 I learned that Chris Graine had observed that the Clay-colored Sparrows were back at Piney Tract. I went to the site and observed 2 singing birds. That week I took 8 students to the site and we believed that there were at least 3 singing birds. On Saturday, 5 June, Margaret Buckwalter, Gil Twiest, Pete Dalby, and myself conducted the Clarion County Grassland Bird Count for the Pennsylvania Game Commission.

One Clay-colored Sparrow was observed singing at a count site approximately 2 miles from Piney Tract. The bird sang its "bzzz-bzzz-bzzz" song twice, but was not visible. Another bird was observed singing at Curlsville during Bill Reddinger's Grassland Count on 5 June and Jason Horn and myself heard the bird singing there on 7 June. Another bird was observed by Chris Grainer at a location near Mt. Zion. (pers. comm. Dalby).

The area at Piney Tract where the sparrows are located falls between two count sites, but between the two sites, Margaret Buckwalter and I observed two birds flying and what appeared to be mating in air. We had to leave to finish the grassland count, but returned to the area afterward. When we returned, at least two birds were heard singing. Mark McConaughy and a group of other birders arrived. The sparrows were

very cooperative and everyone was able to get a good look at the birds. Mark and I stayed behind as the others left to try to pinpoint the nest location. We observed two different birds carrying food to the nest and carrying fecal sacs from the nest. The nest was not seen, but by the activity of the birds, we estimated it to be about 1 to 1-½ feet high in a Red Pine tree. Mark used a digital camera to take pictures of the birds through his scope and has since published them and a description of them on the internet.

On 7 June I returned to the site with Jason Horn and we observed that the birds had fledged from the nest. They remained hidden in the thick grass by the pine tree. The adults were busy carrying caterpillars to the young birds and they were easily heard begging for more food. We also noted that there appeared to be more than the two adult birds at the site.

On 15 June Charles Studholme and I returned to the site. At the top of the hill, we heard a singing Clay-colored Sparrow and we believe that there were at least 5 singing birds at the location. I observed the nest site and there was no activity. I wanted to get a picture of the nest so I proceeded to the tree and promptly disturbed a Clay-colored Sparrow sitting on a nest with 4 blue eggs speckled with purplish-brown spots at the large end. Both Charles and I observed how similar the eggs looked to Chipping Sparrow eggs. The nest was also similar, but very loose on the outside. We quickly backed away, not wanting to disturb the birds any more than we inadvertently had. The sparrows had a second clutch.

The Clay-colored Sparrows were observed at Piney Tract until 27 July, when one bird was heard singing. I still have yet to see actual feeding of young. I have observed an adult come in with food, drop into a grassy patch, heard fledglings, and fly out. The birds are very secretive.

Description of species:

The birds had brown ear coverts that were outlined against a white

supercilium. The crown had a white stripe and there was a dark moustachial and malar stripe. The neck was gray and the back and rump were brown. The breast and sides were unstreaked and pale. On 5 June the two adults that were observed feeding showed a great difference in the "sharpness" of their plumage. One bird seemed brighter and the other seemed dull. I have found no references to indicate that this is gender based. In fact, the sexes are supposed to be similar with the males being larger. (Rising 1996).

Description of breeding

No breeding had been "confirmed" in Pennsylvania prior to the Piney Tract birds, however, singing males have been found apparently on territory. (Brauning 1992). Nests are placed low (under 5 feet) in a bush or small conifer. (Rising 1996). Breeding season begins late May to early June and usually ends by late July. The species is sometimes double-brooded. Young leave nest at 7 to 9 days and are continued to be fed for at least 8 more days, tended by both parents. (Baicich and Harrison 1997).

The Clay-colored Sparrows at Piney Tract seem to have read the references. Jason Horn and I observed fledging on 7 June. Eight days later Charles Studholme and I observed a nest with eggs. The birds also had two broods. The nest was low in a conifer tree. We can only hope that nesting continues in the state!

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The 1998-99 Christmas Bird Count in Pennsylvania

by Nicholas C. Bolgiano

The 99th Christmas Bird Count (CBC) was held during the period 18 December 1998 to 3 January 1999. A total of 162 species, plus 4 count-week species, was reported from 67 sites. Two new sites were Nescopeck Mountain from Columbia and Luzerne counties and Ryerson from Greene County, while Dubois and Susquehanna County did not report. Highlights include notable numbers of some common species from northern breeding grounds, a diversity of lingering species, historic lows for some grassland species, new highs for some expanding species, and very low numbers of winter finches.

The Weather

The months immediately preceding the 99th CBC had about half of the normal precipitation with warmer than normal temperatures, particularly in December, when temperatures were about 6 degrees F above normal. A cold front passed through on 23 December bringing temperatures to more seasonal levels and several inches of snow fell in the mountains on 31 December. Temperatures fell below zero in some areas on 2 January followed by an ice storm on 3 January, the last count day (NOAA, 1998, 1999). The 3 January storm considerably affected the participation and the counts at Bald Eagle State Park, Dingman's Ferry, Newville, Pleasantville, Potter County, and Rector.

Comparison to Past Years

Participation, as measured by total party hours, was about the same in the 99th count as in the previous year. Participation has tended to increase in recent years, as shown in the following table (the year is the year in which Christmas occurs). An upward trend in the mean number of species/site seems to indicate that the increased effort and expertise is paying off with the finding of more species, although it is difficult to know what effect the recent mild winters may have had upon these numbers. The 99th count was the sixth time overall and the fourth within the last six years

that Pennsylvania birders have tallied 160 or more species, though the total of 162 was well shy of the 1984 record of 169.

more of the 1970-97 CBCs.

The hits included the first Black-headed Gulls observed during a

Year	# Sites	Party Hours	# Species	Mean Sp./Site	High Count	# Species
1988	57	4688	148	61	SLAN	104
1989	60	4502	150	63	SLAN	95
1990	58	4663	156	64	GLEN	105
1991	60	4925	157	66	SLAN	105
1992	62	5183	158	65	GLEN	111
1993	62	5157	160	66	SLAN	108
1994	62	5054	163	64	SLAN	112
1995	64	5208	149	67	SLAN	109
1996	64	5505	151	65	GLEN,SLAN	106
1997	66	5552	161	68	SLAN	109
1998	67	5553*	162	68	SLAN	111

* preliminary, 1997 data used for 12 sites for which effort was not available
GLEN=Glenolden, SLAN=Southern Lancaster County

Top 10 Sites

Southern Lancaster County led the way, as it often does, with 111 species, 1 shy of the high for that site. For the first time three Pennsylvania sites reached the 100 species mark. Southern Bucks County was second with 103 species while Glenolden was third with 101. The list of top 10 sites is traditionally dominated by sites southeast of the mountains, but as occasionally happens, a western Pennsylvania site, Butler County, joined the list.

Most Species

1. Southern Lancaster County	111
2. Southern Bucks County	103
3. Glenolden	101
4. Elverson	99
5. Lititz	98
6. Lancaster	93
7. Butler County	89
Upper Bucks County	89
9. Central Bucks County	88
10. Harrisburg	87

Hits and Misses

As with last year, there were many more "hits" (21) than "misses" (8). A "hit" is calculated here as reporting a species that was observed during less than half of the 1970-97 CBCs; a "miss" is failing to report a species that was observed in half or

Pennsylvania CBC, from both Butler County and Southern Lancaster County. A Rufous Hummingbird, a third report, was back at Bushy Run State Park, sporting last year's band. Other uncommon species included *Empidonax*, sp. (5th time), Nashville Warbler (4th), American Redstart (4th and 5th), Northern Waterthrush (4th), and Clay-colored Sparrow (3rd). The 10 warbler species equals 1994 as the year with the most warbler species. A count-week notable was Say's Phoebe, again at Newville.

The misses were tempered by Surf Scoter and Yellow-breasted Chat being reported as count-week species and an oriole species being seen. The lack of strong cold fronts before and during the count period likely contributed to the lack of scoters. Northern finches were seen in very low numbers after last year's super-flight and three finch species that are commonly seen were not reported at all.

Hits

Red-throated Loon
Great Egret
Greater White-fronted Goose
Ross's Goose
Brant
Eurasian Widgeon
Golden Eagle
Virginia Rail
Black-headed Gull

Rufous Hummingbird
Empidonax, sp.
Blue-gray Gnatcatcher
Orange-crowned Warbler
Nashville Warbler
Black-and-white Warbler
American Redstart
Ovenbird
Northern Waterthrush
Clay-colored Sparrow
Yellow-headed Blackbird
Brewer's Blackbird

Misses

Blue-winged Teal
Surf Scoter
White-winged Scoter
Yellow-breasted Chat
Baltimore Oriole
Pine Grosbeak
Red Crossbill
White-winged Crossbill

Waterfowl and Other Aquatic Species

High numbers of some aquatic species were reported from the 99th CBC, likely influenced by the warm temperatures and the extent of open water. Eliminating the effect of increasing effort in judging the trends of water birds is not straightforward. Water birds tend to be concentrated near water and if the principal concentration points have routinely been covered over the years, then standardizing the count by dividing by party hours may not be a useful measure of abundance (Terborgh 1989). Therefore, I present a brief summary of the total numbers for these species.

Three large waterfowl species that have been increasing in the state, Snow Goose, Canada Goose, and Mute Swan, were counted at levels 24-31% higher than previous highs. For the first time, Canada Goose was reported from every site. Snow Geese were especially concentrated in Southern Lancaster County (59,100 birds) and Mute Swans were especially concentrated in Southern Bucks County (77 birds). The numbers of Greater White-fronted (10) and Ross's geese (5), the most yet recorded in the Pennsylvania CBC, often accompany the more numerous geese species.

Totals of seven other aquatic species ranked 1 or 2 among all past years. Pied-billed Grebe and American Coot numbers were 5-6% higher than previously reported, though neither shows evidence of an increasing trend. The other five aquatic species have

appeared in good numbers in recent years and may have increased in the state during this time. These include Great Blue Heron, whose tally of 1068 was 7% higher than the previous 1992 high. Besides the 100 seen at Southern Bucks County, 83 herons were noteworthy at State College, well inland, where most were roosting on prison grounds near three trout hatcheries. The 1689 Hooded Mergansers were 163% higher than the previous 1987 high, with 779 observed at Linesville. They were more widespread than previously seen, reported from 64% of sites. The 608 Ring-necked Ducks were 14% higher than the previous 1997 high. Gadwall and Bufflehead were also present in good numbers.

Vultures and Raptors

Black and Turkey vultures continued their trend increases. Bald Eagles reached a new high of 88 compared to the previous high of 79 in 1996. The 19 Rough-legged Hawks were at their lowest total number since 1962 and their lowest count/hour level since they were missed in 1944. The 1159 American Kestrels exhibited count/hour levels that were not as low as the previous two years but their trend in this decade may be of a decline. The 13 Merlins and 7 Peregrine Falcons tied previous highs.

Grassland and Farmland Species

The numbers of grassland and farmland species continue their downward trends. Ring-necked Pheasants were, together with the previous two years, at their lowest count/hour level since 1928. Northern Bobwhites were observed at only 1 site, Southern Lancaster County, the fewest sites since 1948, and they appear to be in serious trouble. The Eastern Meadowlark count/hour level equaled the historic lows of other recent years (except for misses in three very early years).

Gulls to Pipits

The 116 Lesser Black-backed Gulls were much higher than 1997's previous high of 33, with most of them (97) observed at Southern Bucks County. Belted Kingfishers reached their third highest count/hour level.

Yellow-bellied Sapsuckers exhibited consecutive years of elevated numbers, with count/hour levels of these two years being 7% higher than previously seen. Pileated Woodpeckers and Common Ravens continued their upward trends. Red-breasted Nuthatches were at low levels, being observed at their second lowest count/hour level since 1967. Carolina and Winter wrens continued recent expansions.

Several compilers noted the abundance of Golden-crowned Kinglets. A new high of 3994 individuals was 47% higher than the previous high and their count/hour was the highest since 1946. They were reported from all but one site.

The 4 Blue-gray Gnatcatchers doubled the previous high. The 6347 Eastern Bluebirds were 20% higher than the previous high set last year and their count/hour level was 10% higher than previously reported. Hermit Thrushes similarly set new highs for totals and counts/hour. The 1551 American Pipits about doubled the previous high, with 822 being seen at Southern Lancaster County.

Sparrows and Juncos

Sparrows and juncos put in a good appearance. American Tree Sparrows reached their highest count/hour level since 1977 though nowhere near the high values of mid-century. Savannah Sparrows were at their highest count/hour level since 1984. The count/hour of White-crowned Sparrows, apparently expanding in the state during early winter, was 25% higher than the previous high set in 1995. The count/hour of Dark-eyed Juncos was the second highest (after 1989) since 1955.

Blackbirds

There have been large numbers of blackbirds in recent years as some of the large flocks that have been generally centered in northern Delaware have forayed into southeastern Pennsylvania. Southern Lancaster County has been the state hotspot and reported nearly a half-million blackbirds in 1998, including the most Red-winged Blackbirds from a Pennsylvania CBC. These flocks apparently attract the Yellow-headed Blackbirds seen in recent years at

Southern Lancaster County and possibly the Brewer's Blackbirds seen at southeastern sites as well. Statewide, however, blackbirds have not been as frequently observed in recent years as they were during the 1970s and 1980s.

Finches

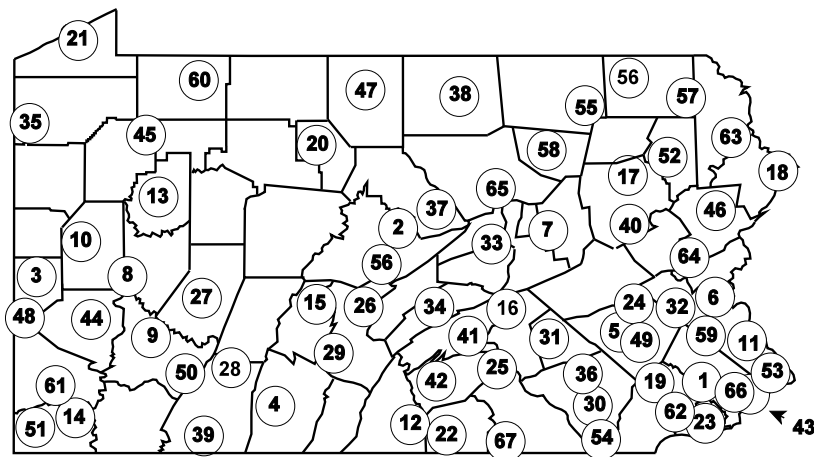
After last year's super-flight, most finches were remarkably low. Except for 1994, Purple Finches were at their lowest count/hour since 1947. The 3 Common Redpoll and 83 Evening Grosbeak were the third lowest totals for these species since 1967. Except for 1994, the 39 Pine Siskin were the lowest total since 1966. As previously noted, three often seen species did not make an appearance. For American Goldfinch, however, 1998 was the second straight year of abundance and thus this species was the only finch to show a rebound flight from the previous winter.

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#	Abbrev. Name	#	Abbrev. Name
1	AUDU Audubon	35	LINE Linesville
2	BALD Bald Eagle S.P.	36	LITI Littitz
3	BEAV Beaver	37	LOCK Lock-Haven-Jersey Shore
4	BEDF Bedford County	38	MANS Mansfield-Wellsboro
5	BERN Bernville	39	MTDV Mount Davis-Grantsville
6	BETH Bethlehem-Easton	40	NESC Nescopeck Mountain
7	BLOO Bloomsburg	41	NEWB New Bloomfield
8	BUFF Buffalo Creek Valley	42	NEWV Newville
9	BUSH Bushy Run S.P.	43	PENN Pennypack Valley
10	BUTL Butler County	44	PITT Pittsburgh
11	CBCK Central Bucks County	45	PLEA Pleasantville
12	CHAM Chambersburg	46	POCO Pocono Mountain
13	CLRN Clarion	47	POTT Potter County
14	CLRK Clarksville	48	RACC Raccoon Creek S.P.
15	CULP Culp	49	READ Reading
16	CURT Curtin	50	RECT Rector
17	DALL Dallas Area	51	RYER Ryerson
18	DING Dingman's Ferry	52	SCRA Scranton
19	ELVE Elverson	53	SBCK Southern Bucks County
20	EMPO Emporium	54	SLAN Southern Lancaster County
21	ERIE Erie	55	SEBR Southeastern Bradford County
22	GETT Gettysburg	56	STAT State College
23	GLEN Glenolden (Delaware Co.)	57	THOM Thompson
24	HAMB Hamburg	58	TUNK Tunkhannock
25	HARR Harrisburg	59	UBCK Upper Bucks County
26	HUNT Huntingdon	60	WARR Warren
27	INDI Indiana	61	WASH Washington
28	JOHN Johnstown	62	WEST West Chester
29	LAKE Lake Raystown	63	WHIT White Mills
30	LANC Lancaster	64	WILD Wild Creek-Little Gap
31	LEBA Lebanon County	65	WILL Williamsport
32	LEHI Lehigh Valley	66	WYNC Wyncote
33	LWBG Lewisburg	67	YORK York
34	LWST Lewistown		

1998 CHRISTMAS BIRD COUNTS



PENNSYLVANIA'S 1998 CHRISTMAS BIRD COUNTS

	AUDU	BALD	BEAV	BEDF	BERN	BETH	BLOO	BUFF	BUSH	BUTL	CBCK	CHAM	CLRN	CLRK	CULP	CURT	DALL
Red-throated Loon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Loon	-	-	-	-	-	1	2	-	-	3	1	-	-	-	-	-	1
Pied-billed Grebe	14	1	1	-	1	1	1	-	8	3	-	-	3	7	-	-	1
Horned Grebe	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-
Double-crested Cormorant	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Great Cormorant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Great Blue Heron	35	7	27	-	3	21	19	-	6	5	44	-	1	1	2	4	2
Great Egret	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Green Heron	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black-crowned Night Heron	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black Vulture	102	-	-	-	-	-	-	-	-	-	25	-	-	-	-	-	-
Turkey Vulture	187	-	-	-	-	-	-	-	-	-	374	-	-	-	-	-	-
Greater White-fronted Goose	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snow Goose	26	-	-	-	6360	6	5	-	-	-	17	1	-	-	-	1	-
Ross's Goose	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Brant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Canada Goose	7880	27	702	112	657	6320	4038	447	559	410	20499	1187	261	137	78	383	846
Mute Swan	-	1	-	-	3	11	-	-	4	-	5	6	-	-	-	-	-
Tundra Swan	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-	23	-
Wood Duck	6	-	2	-	-	-	1	-	2	-	-	6	-	3	-	-	5
Gadwall	-	-	-	-	-	-	13	-	3	21	1	-	-	4	-	-	4
Eurasian Widgeon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
American Widgeon	4	-	-	-	-	1	11	-	-	8	-	-	-	-	-	-	-
American Black Duck	40	94	8	-	14	60	335	1	25	55	62	6	17	-	-	81	91
Mallard	1068	43	306	270	159	1478	420	47	634	461	1227	1453	29	331	123	864	188
Northern Shoveler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northern Pintail	-	-	-	-	-	11	-	-	3	12	1	-	-	-	-	-	6
Green-winged Teal	-	1	-	-	-	-	2	-	2	2	4	-	-	-	-	-	5
Canvasback	30	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	3
Redhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring-necked Duck	21	-	-	-	-	41	1	-	-	52	29	-	-	-	-	-	4
Greater Scaup	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lesser Scaup	-	-	-	-	-	-	-	-	1	10	-	-	-	-	-	-	8
Black Scoter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oldsquaw	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-
Bufflehead	121	-	-	-	1	1	7	-	-	79	-	-	-	-	-	1	12
Common Goldeneye	8	-	-	-	-	5	-	-	1	-	-	-	1	-	-	8	-
Hooded Merganser	9	39	1	-	-	1	-	-	26	30	14	-	-	-	-	28	-
Common Merganser	71	64	-	-	20	86	81	-	-	-	196	-	-	-	42	64	-
Red-breasted Merganser	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Ruddy Duck	-	1	-	-	-	-	-	-	1	1011	4	-	-	-	-	-	2
Osprey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bald Eagle	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	1	-
Northern Harrier	1	-	-	-	6	6	5	-	-	4	7	-	8	1	1	9	2
Sharp-shinned Hawk	19	2	1	1	9	9	3	-	4	4	11	6	1	-	1	3	-
Cooper's Hawk	6	2	2	-	3	11	2	1	10	8	5	5	1	2	3	1	2
Northern Goshawk	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Red-shouldered Hawk	1	-	-	1	-	2	-	-	-	1	1	7	1	-	-	-	-
Red-tailed Hawk	114	10	14	4	117	105	53	4	39	27	120	56	30	43	11	30	15
Rough-legged Hawk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Golden Eagle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
American Kestrel	18	8	3	4	34	15	43	9	18	21	26	42	2	11	14	32	2
Merlin	-	-	-	-	-	-	-	-	-	1	1	-	-	-	1	1	-
Peregrine Falcon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring-necked Pheasant	1	2	-	-	3	6	82	1	1	1	3	3	2	3	8	13	-
Ruffed Grouse	-	2	1	-	1	-	3	1	7	1	-	1	6	-	4	2	1
Wild Turkey	-	-	15	102	-	390	11	33	122	135	142	1	182	171	13	4	-

PENNSYLVANIA'S 1998 CHRISTMAS BIRD COUNTS

	AUDU	BALD	BEAV	BEDF	BERN	BETH	BLOO	BUFF	BUSH	BUTL	CBCK	CHAM	CLRN	CLRK	CULP	CURT	DALL
Northern Bobwhite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Virginia Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
American Coot	-	-	3	-	-	16	16	-	32	999	-	-	1	70	231	65	-
Killdeer	18	3	-	-	10	3	4	-	2	6	24	7	8	1	2	-	-
Common Snipe	-	1	-	-	6	-	-	-	-	7	1	4	1	-	-	-	-
American Woodcock	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Laughing Gull	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black-headed Gull	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Bonaparte's Gull	-	-	-	-	-	-	-	-	-	19	-	-	-	-	-	-	-
Ring-billed Gull	357	66	94	-	881	1558	24	-	1	348	2029	-	-	-	936	13	-
Herring Gull	14	-	1	-	13	73	5	1	-	1	44	-	-	-	94	5	-
Iceland Gull	-	-	-	-	-	#	-	-	-	-	-	-	-	-	-	-	-
Lesser Black-backed Gull	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-
Glaucous Gull	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Great Black-backed Gull	1	-	-	-	1	11	-	-	-	-	37	-	-	-	56	-	-
Rock Dove	1294	369	617	166	1113	1260	607	126	279	657	837	1451	105	170	1073	248	117
Mourning Dove	1278	178	223	348	911	1862	679	125	662	528	1263	1702	395	389	194	328	202
Barn Owl	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4	-
Eastern Screech-Owl	45	-	1	1	15	15	24	-	11	5	43	3	31	4	6	35	8
Great Horned Owl	21	1	-	-	24	17	17	-	8	6	50	7	12	1	1	21	3
Barred Owl	-	-	-	-	-	-	3	-	1	1	-	-	1	-	2	-	-
Long-eared Owl	-	-	-	-	-	1	5	-	-	-	-	-	2	-	2	-	-
Short-eared Owl	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-
Northern Saw-whet Owl	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Rufous Hummingbird	-	-	-	-	-	-	-	-	1	-	-	30	-	6	7	5	2
Belted Kingfisher	51	6	6	-	2	17	13	3	4	18	26	30	-	-	-	-	-
Red-headed Woodpecker	-	-	-	2	-	-	-	-	-	-	1	1	-	-	1	-	-
Red-bellied Woodpecker	160	13	16	24	60	89	21	15	45	34	91	67	7	33	33	46	2
Yellow-bellied Sapsucker	14	1	-	1	9	35	1	1	6	1	9	7	5	4	2	1	-
Downy Woodpecker	221	27	56	31	120	220	122	20	105	87	151	86	70	63	70	86	43
Hairy Woodpecker	30	10	5	6	13	18	27	7	21	27	10	22	11	12	14	5	12
Yellow-shafted Flicker	106	7	2	2	37	66	17	6	33	6	85	32	3	12	10	21	9
Pileated Woodpecker	-	6	7	7	-	-	23	2	16	6	4	5	1	12	23	6	3
Empid, sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Eastern Phoebe	-	-	-	-	1	2	-	-	-	-	1	-	-	1	1	1	-
Loggerhead Shrike	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Northern Shrike	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	1
Blue Jay	270	95	80	57	89	219	367	38	87	180	223	211	297	132	96	81	52
American Crow	1254	472	194	87	1023	13115	897	105	315	682	1264	1077	1496	722	157	457	254
Fish Crow	6	-	-	1	13	4	4	-	-	-	-	19	-	-	-	2	3
Common Raven	-	4	-	-	-	-	5	-	-	-	-	1	-	-	2	3	1
Horned Lark	-	20	-	-	656	120	62	-	224	363	65	231	-	-	-	103	-
Carolina Chickadee	537	-	63	-	-	7	-	-	19	-	322	11	-	205	-	-	-
Black-capped Chickadee	-	101	89	62	89	336	488	110	209	485	136	237	293	-	195	107	185
Tufted Titmouse	308	54	115	66	142	348	241	29	123	141	272	219	144	152	117	207	83
Red-breasted Nuthatch	1	-	-	-	1	3	2	-	1	2	1	2	-	-	2	2	5
White-breasted Nuthatch	114	34	50	55	64	185	181	20	104	106	132	92	95	100	89	72	34
Brown Creeper	21	6	6	1	7	9	15	-	17	9	9	15	3	4	12	16	3
Carolina Wren	125	11	53	9	22	25	16	14	44	15	64	49	4	34	24	28	8
House Wren	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Winter Wren	1	4	-	-	5	7	1	-	-	1	1	7	-	1	2	7	11
Golden-crowned Kinglet	49	57	52	5	29	57	96	15	114	89	24	26	13	25	74	78	9
Ruby-crowned Kinglet	5	4	-	-	10	12	4	-	4	1	5	2	-	1	3	2	-
Blue-gray Gnatcatcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Eastern Bluebird	169	55	29	7	189	83	261	9	64	55	204	33	13	67	35	141	23
Hermit Thrush	7	6	-	-	11	7	4	-	7	-	5	3	1	-	3	8	-
American Robin	714	385	82	7	610	617	648	30	369	1664	977	20	77	466	790	60	206

PENNSYLVANIA'S 1998 CHRISTMAS BIRD COUNTS

	AUDU	BALD	BEAV	BEDF	BERN	BETH	BLOO	BUFF	BUSH	BUTL	CBCK	CHAM	CLRN	CLRK	CULP	CURT	DALL
Gray Catbird	-	-	-	-	1	-	-	-	-	1	1	2	-	1	1	1	-
Northern Mockingbird	124	4	-	1	54	54	23	-	11	3	114	108	-	20	5	11	2
Brown Thrasher	-	-	-	-	-	-	-	-	-	#	-	1	-	-	-	1	-
European Starling	3700	653	563	317	5440	7834	2349	188	719	1550	4566	9762	937	571	1241	2234	726
American Pipit	-	-	-	-	75	-	-	-	-	2	-	-	-	-	-	-	-
Cedar Waxwing	30	181	-	-	282	1	268	20	32	95	86	35	20	-	85	99	43
Orange-crowned Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nashville Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myrtle Warbler	103	7	#	-	4	65	14	20	57	1	90	3	-	17	3	6	3
Pine Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palm Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black-and-white Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
American Redstart	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ovenbird	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northern Waterthrush	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Yellowthroat	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-
Eastern Towhee	2	1	-	-	1	1	1	39	1	1	2	2	-	1	-	1	-
American Tree Sparrow	51	342	4	36	604	514	902	39	480	300	254	53	860	78	157	274	261
Chipping Sparrow	5	-	-	42	-	-	-	-	-	1	8	13	-	-	-	1	-
Clay-colored Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Field Sparrow	28	1	2	-	19	3	11	-	8	-	33	3	-	19	-	19	-
Vesper Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Savannah Sparrow	1	-	-	-	2	-	-	-	-	-	19	-	-	-	-	-	-
Fox Sparrow	3	-	-	-	3	3	3	-	-	-	9	-	-	-	-	-	-
Song Sparrow	368	26	58	37	429	157	93	23	110	31	517	160	8	71	20	96	58
Lincoln's Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Swamp Sparrow	1	12	1	-	-	17	-	-	3	4	5	1	1	-	2	3	2
White-throated Sparrow	949	114	7	-	1023	1315	213	4	177	38	1275	302	75	31	40	277	91
White-crowned Sparrow	3	-	-	4	292	38	25	-	18	2	41	114	-	2	5	164	-
Slate-colored Junco	1325	552	249	724	1595	2678	1409	172	557	799	1798	1285	2618	495	378	779	299
Oregon Junco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lapland Longspur	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Snow Bunting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-
Northern Cardinal	493	65	110	79	273	434	206	32	179	206	336	288	166	245	88	204	74
Red-winged Blackbird	6	-	-	3	1	247	2	-	270	44	25	2	-	-	-	2	32
Eastern Meadowlark	-	-	-	1	4	10	18	-	-	-	32	-	-	-	-	-	-
Yellow-headed Blackbird	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rusty Blackbird	19	31	-	1	1	1	-	-	-	-	-	2	-	-	-	-	-
Brewer's Blackbird	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Common Grackle	1	8	-	7	-	33502	-	-	-	12	2	127	-	1	-	-	-
Brown-headed Cowbird	-	24	-	14	1	5189	-	-	3	25	22	124	-	5	6	7	-
oriole, sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purple Finch	-	-	-	-	1	3	8	-	1	5	2	6	28	-	-	2	2
House Finch	597	25	128	130	454	797	310	22	339	134	814	388	240	101	187	275	187
Common Redpoll	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pine Siskin	-	-	-	2	-	-	1	-	1	-	3	-	-	-	-	1	-
American Goldfinch	180	174	128	148	124	161	303	17	135	105	198	252	515	72	97	86	195
Evening Grosbeak	-	-	-	-	-	-	-	-	-	50	-	13	-	-	-	-	-
House Sparrow	267	157	196	195	375	386	551	71	382	385	323	1259	288	438	211	276	99
Number Species	74	64	46	46	73	83	81	39	73	89	88	73	49	58	60	82	67
Number Individuals	25327	4879	4443	3182	24641	82419	16762	1841	7897	12745	41817	22766	9367	5522	5900	9854	4730
Party Hours	141	41	NA	27	99	111	NA	NA	60	87	145	160	84	50	NA	63	35

PENNSYLVANIA'S 1998 CHRISTMAS BIRD COUNTS

	DING	ELVE	EMPO	ERIE	GETT	GLEN	HAMB	HARR	HUNT	INDI	JOHN	LAKE	LANC	LEBA	LEHI	LWBG	LWST
Red-throated Loon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Loon	-	2	-	-	-	1	-	-	-	-	-	-	8	-	-	-	-
Pied-billed Grebe	-	16	-	8	-	13	-	-	2	29	1	2	10	2	3	-	-
Horned Grebe	-	1	-	1	-	-	-	-	-	-	6	-	1	-	-	-	-
Double-crested Cormorant	-	-	-	2	-	22	-	1	-	-	-	-	-	-	-	-	-
Great Cormorant	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Great Blue Heron	-	46	-	6	11	63	42	48	1	1	1	1	23	14	21	20	24
Great Egret	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-
Green Heron	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black-crowned Night Heron	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Black Vulture	-	86	-	-	145	19	3	-	-	-	-	-	13	4	-	-	38
Turkey Vulture	-	347	-	-	51	131	6	2	-	-	-	-	243	23	13	3	19
Greater White-fronted Goose	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Snow Goose	-	1759	-	-	1	147	1	1	-	-	#	-	942	1	1001	-	-
Ross's Goose	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brant	-	-	-	-	-	-	#	-	-	-	-	-	-	-	-	-	-
Canada Goose	24	4911	1	734	1433	6289	2738	1612	200	789	535	174	2870	1455	15170	405	90
Mute Swan	-	9	-	-	-	2	2	3	-	1	-	-	-	3	-	-	-
Tundra Swan	-	146	-	175	-	32	-	-	-	1	9	20	511	13	-	1	3
Wood Duck	-	6	-	1	3	4	-	2	1	2	-	-	-	-	1	-	-
Gadwall	-	9	-	79	-	1	64	98	-	30	8	-	6	2	-	-	-
Eurasian Widgeon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
American Widgeon	-	9	-	18	4	2	2	66	-	1	1	1	12	-	1	1	-
American Black Duck	-	182	-	44	54	379	21	77	17	190	20	35	113	25	40	68	22
Mallard	2	714	-	340	99	1060	454	1732	227	325	465	117	1872	443	872	882	577
Northern Shoveler	-	18	-	-	-	288	-	1	-	-	-	-	3	-	-	-	-
Northern Pintail	-	5	-	2	1	1165	-	5	1	1	4	-	-	-	4	-	1
Green-winged Teal	-	42	-	-	4	876	-	18	-	#	-	5	1	2	16	4	5
Canvasback	-	82	-	28	1	-	-	-	-	1	-	-	1	-	-	-	-
Redhead	-	-	-	36	-	-	-	-	-	#	5	-	-	-	-	-	-
Ring-necked Duck	-	85	-	5	-	2	-	-	-	32	15	4	40	12	48	-	-
Greater Scaup	-	-	-	20	-	-	-	-	-	2	-	-	-	-	-	-	-
Lesser Scaup	-	3	-	32	-	-	-	2	-	24	8	1	1	-	-	-	-
Black Scoter	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Oldsquaw	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Bufflehead	-	3	-	265	-	14	-	99	#	1	2	-	27	-	-	1	-
Common Goldeneye	5	-	-	498	-	-	-	37	-	#	-	3	102	-	-	-	-
Hooded Merganser	-	19	-	11	1	28	-	88	2	19	1	10	1	-	2	-	-
Common Merganser	9	47	-	1239	-	65	-	2	-	-	4	52	61	4	-	9	5
Red-breasted Merganser	-	-	-	157	-	-	-	-	-	2	8	-	-	-	-	-	-
Ruddy Duck	-	139	-	1	-	39	-	-	-	43	40	-	2	-	-	-	-
Osprey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bald Eagle	2	3	-	-	-	2	#	-	-	-	-	3	6	-	1	1	-
Northern Harrier	-	3	-	-	4	9	6	-	-	3	-	-	-	6	2	3	1
Sharp-shinned Hawk	2	13	#	1	1	30	22	18	2	7	1	1	21	3	19	3	2
Cooper's Hawk	2	9	1	8	1	8	6	11	4	5	1	3	7	1	10	13	3
Northern Goshawk	-	-	-	1	-	1	-	-	-	1	-	-	-	-	-	-	-
Red-shouldered Hawk	-	1	-	-	1	4	-	-	1	1	-	-	2	3	-	-	1
Red-tailed Hawk	9	86	3	4	22	107	132	59	20	65	19	22	68	54	141	57	74
Rough-legged Hawk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-
Golden Eagle	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
American Kestrel	-	19	-	7	47	21	77	15	21	26	10	16	16	32	40	68	39
Merlin	-	-	-	-	-	2	-	2	-	-	-	-	-	-	1	-	-
Peregrine Falcon	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-
Ring-necked Pheasant	3	3	1	-	5	4	23	2	2	11	5	2	6	-	8	3	13
Ruffed Grouse	2	-	18	-	-	-	3	-	8	17	#	-	-	-	1	7	1
Wild Turkey	18	-	-	17	1	-	72	-	34	144	21	2	4	-	112	52	92

PENNSYLVANIA'S 1998 CHRISTMAS BIRD COUNTS

	DING	ELVE	EMPO	ERIE	GETT	GLEN	HAMB	HARR	HUNT	INDI	JOHN	LAKE	LANC	LEBA	LEHI	LWBG	LWST
Northern Bobwhite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Virginia Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
American Coot	-	257	-	1353	-	71	-	363	4	811	63	11	283	1	1	-	-
Killdeer	-	37	-	-	4	121	6	12	-	#	3	5	31	1	18	6	23
Common Snipe	-	27	-	-	1	#	5	-	-	-	-	-	3	-	1	10	4
American Woodcock	-	-	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-
Laughing Gull	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black-headed Gull	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bonaparte's Gull	-	#	-	87	-	-	-	1	-	-	-	25	-	-	-	2	-
Ring-billed Gull	1	6147	-	1789	-	2371	30	678	#	1	-	190	15255	238	175	27	4
Herring Gull	1	265	-	165	1	140	4	75	-	1	-	-	1115	231	17	10	18
Iceland Gull	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Lesser Black-backed Gull	-	1	-	#	-	-	-	#	-	-	-	-	2	4	-	-	-
Glaucous Gull	-	-	-	#	-	-	-	-	-	-	-	-	-	-	-	-	-
Great Black-backed Gull	-	13	-	45	-	52	-	27	-	-	-	-	91	35	-	-	7
Rock Dove	102	898	71	446	407	888	911	873	695	145	108	132	505	773	735	1191	1588
Mourning Dove	16	1182	243	65	559	553	1549	1050	321	613	152	43	768	590	3706	405	421
Barn Owl	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Screech-Owl	-	58	-	-	5	33	24	20	9	2	-	5	8	2	8	6	3
Great Horned Owl	3	33	-	3	7	12	48	7	9	7	1	2	15	12	9	18	8
Barred Owl	4	-	1	-	6	-	3	1	-	1	-	-	3	-	-	1	2
Long-eared Owl	-	4	-	-	-	-	-	-	-	1	-	-	-	4	3	-	-
Short-eared Owl	-	2	-	-	4	-	2	-	-	-	-	-	-	1	-	-	-
Northern Saw-whet Owl	-	2	-	-	-	-	1	1	-	-	-	-	1	-	-	-	-
Rufous Hummingbird	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Belted Kingfisher	-	22	6	-	10	41	17	24	13	5	#	8	31	14	24	14	37
Red-headed Woodpecker	-	-	-	-	9	1	-	-	1	-	-	-	-	3	-	-	1
Red-bellied Woodpecker	9	132	2	13	37	143	98	117	30	39	9	26	82	33	148	27	93
Yellow-bellied Sapsucker	-	15	3	-	8	12	16	29	5	3	-	6	11	3	16	-	3
Downy Woodpecker	12	155	25	76	74	151	179	211	117	79	9	51	103	79	260	107	199
Hairy Woodpecker	5	23	16	17	16	39	34	23	24	18	3	4	12	5	26	14	32
Yellow-shafted Flicker	-	82	5	3	37	82	70	78	31	6	-	10	50	40	89	10	43
Pileated Woodpecker	2	9	7	3	15	2	9	4	29	24	2	16	3	4	1	8	34
Empid, sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Phoebe	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	1
Loggerhead Shrike	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Northern Shrike	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-
Blue Jay	74	238	323	232	112	321	275	142	300	304	53	107	122	89	208	149	228
American Crow	89	950	126	121	67	1916	1154	2743	507	1988	416	638	8783	1278	1872	4388	975
Fish Crow	-	10	-	-	-	18	-	132	-	-	-	-	72	9	3	4	-
Common Raven	-	-	24	-	-	-	1	-	11	-	2	5	-	1	6	5	-
Horned Lark	-	305	-	18	13	-	581	-	-	31	676	12	113	14	447	299	#
Carolina Chickadee	-	276	-	-	167	488	-	343	-	-	-	-	234	-	4	-	-
Black-capped Chickadee	65	86	428	192	6	1	395	188	387	541	104	190	12	114	1244	232	320
Tufted Titmouse	22	286	33	24	131	417	443	412	176	201	20	135	112	110	434	179	379
Red-breasted Nuthatch	-	4	-	-	-	1	-	1	16	3	2	-	-	-	11	-	1
White-breasted Nuthatch	14	164	112	56	123	119	167	124	123	102	6	65	32	60	214	89	184
Brown Creeper	-	4	11	1	-	16	11	69	15	6	-	5	13	3	14	11	18
Carolina Wren	-	100	3	4	13	149	38	188	32	-	-	20	114	9	50	11	114
House Wren	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-
Winter Wren	-	4	-	1	1	27	7	29	6	1	-	9	12	1	8	-	22
Golden-crowned Kinglet	58	47	98	8	6	78	133	169	112	106	9	34	73	86	105	82	188
Ruby-crowned Kinglet	-	3	-	-	3	21	10	16	1	#	-	2	9	8	6	2	16
Blue-gray Gnatcatcher	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Eastern Bluebird	1	313	7	-	132	42	386	261	87	57	#	77	113	158	213	130	224
Hermit Thrush	2	27	-	2	-	11	9	8	3	1	-	4	7	10	1	4	24
American Robin	450	162	50	282	24	1442	137	84	5073	44	6	23	61	4	48	66	299

PENNSYLVANIA'S 1998 CHRISTMAS BIRD COUNTS

	DING	ELVE	EMPO	ERIE	GETT	GLEN	HAMB	HARR	HUNT	INDI	JOHN	LAKE	LANC	LEBA	LEHI	LWBG	LWST
Gray Catbird	-	-	-	-	-	2	-	4	#	1	-	-	2	3	3	-	-
Northern Mockingbird	2	119	-	-	47	122	114	65	10	4	-	6	51	25	125	28	29
Brown Thrasher	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
European Starling	126	6792	182	407	3694	5444	6289	2906	1344	927	601	1956	46670	2008	5905	4374	2786
American Pipit	-	32	-	-	-	-	397	-	-	-	1	-	150	50	-	-	#
Cedar Waxwing	32	95	218	10	11	117	222	42	15	12	-	8	24	24	4	89	106
Orange-crowned Warbler	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Nashville Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myrtle Warbler	1	25	-	87	12	9	64	68	11	10	-	-	19	19	18	-	56
Pine Warbler	-	-	-	-	-	1	-	-	-	1	-	-	-	-	1	-	-
Palm Warbler	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
Black-and-white Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
American Redstart	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ovenbird	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Northern Waterthrush	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Yellowthroat	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-
Eastern Towhee	-	5	-	-	-	50	2	8	1	-	-	-	5	-	1	-	2
American Tree Sparrow	47	224	199	489	97	85	1094	150	234	191	160	81	62	177	449	335	141
Chipping Sparrow	-	1	-	-	2	2	-	-	-	1	-	-	-	3	-	#	-
Clay-colored Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Field Sparrow	3	29	-	-	1	27	17	7	-	10	#	6	9	4	9	6	26
Vesper Sparrow	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Savannah Sparrow	-	7	-	-	-	1	3	-	-	-	-	-	19	1	-	-	1
Fox Sparrow	-	5	-	-	-	14	5	5	1	1	-	-	6	-	3	-	5
Song Sparrow	3	440	68	7	37	844	382	241	52	59	3	19	421	106	321	39	238
Lincoln's Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Swamp Sparrow	-	41	-	2	2	67	11	6	2	3	1	-	17	4	18	-	2
White-throated Sparrow	124	1263	17	2	192	1399	1078	724	85	44	8	39	1184	298	1184	94	353
White-crowned Sparrow	5	48	-	-	81	1	105	14	1	-	-	18	91	22	56	41	55
Slate-colored Junco	667	1698	711	192	830	1360	3200	1132	762	1384	370	1123	896	721	2738	1177	1054
Oregon Junco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lapland Longspur	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Snow Bunting	-	#	-	31	-	-	-	-	1	#	-	-	-	-	-	-	-
Northern Cardinal	10	409	68	106	184	619	320	595	101	171	86	118	374	108	626	158	365
Red-winged Blackbird	-	20064	-	#	2	337	100	81	15	1	60	-	214	4	125	#	4
Eastern Meadowlark	-	7	-	-	11	-	5	-	-	-	1	-	5	-	-	2	2
Yellow-headed Blackbird	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rusty Blackbird	-	205	-	-	-	2	-	2	-	-	-	-	50	2	1	-	1
Brewer's Blackbird	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Grackle	2	47459	6	2	222	304	308	1	4	19	3	312	101	150	9	5	51
Brown-headed Cowbird	-	619	-	-	-	805	308	2	1	9	3	-	5	15	20	15	7
oriole, sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purple Finch	2	7	-	-	4	2	-	-	4	9	2	1	-	-	1	16	6
House Finch	3	842	167	169	139	708	965	733	109	499	37	59	242	319	1607	433	329
Common Redpoll	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Pine Siskin	1	3	-	-	8	-	-	1	-	-	-	2	-	-	-	-	-
American Goldfinch	15	213	164	27	154	324	222	397	200	223	49	111	134	91	369	69	279
Evening Grosbeak	-	-	7	-	-	-	-	-	-	2	-	-	-	-	-	9	-
House Sparrow	70	307	113	310	226	866	913	365	192	376	208	172	336	367	520	782	566
Number Species	47	99	40	73	75	101	77	87	67	82	58	69	93	80	86	72	78
Number Individuals	2121	102123	3543	10614	9651	34134	26247	20097	11827	10673	4423	6368	86327	10687	41767	16786	12993
Party Hours	25	115	66	38	137	180	139	NA	70	113	NA	48	80	79	131	90	76

PENNSYLVANIA'S 1998 CHRISTMAS BIRD COUNTS

	SCRA	SBCK	SLAN	SEBR	STAT	THOM	TUNK	UBCK	WARR	WASH	WEST	WHIT	WILD	WILL	WYNC	YORK
Red-throated Loon	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Loon	-	4	2	-	-	3	-	-	-	-	-	-	-	-	-	-
Pied-billed Grebe	3	31	11	-	-	1	9	-	-	-	4	-	2	2	-	11
Horned Grebe	-	1	1	-	-	1	-	1	-	-	-	1	-	-	-	3
Double-crested Cormorant	-	24	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Great Cormorant	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Great Blue Heron	5	100	66	4	83	-	3	26	13	3	33	-	1	5	8	14
Great Egret	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Green Heron	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black-crowned Night Heron	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Black Vulture	-	1	67	-	-	-	-	27	-	-	111	-	-	-	3	35
Turkey Vulture	-	42	286	-	-	-	-	136	-	-	218	-	-	-	45	88
Greater White-fronted Goose	-	1	2	-	-	-	-	1	-	-	-	-	-	-	-	-
Snow Goose	-	17	59100	1	-	-	-	2	-	-	216	-	1	-	#	1
Ross's Goose	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
Brant	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Canada Goose	312	24157	14382	2395	337	13	1431	10351	361	495	15665	88	722	460	3298	2851
Mute Swan	-	77	-	-	2	-	#	5	2	-	-	-	-	-	4	3
Tundra Swan	-	-	20	-	-	-	-	-	-	-	-	-	6	-	-	1
Wood Duck	-	6	4	-	1	-	1	4	-	-	4	-	-	1	4	-
Gadwall	-	24	4	-	-	-	1	20	-	-	-	-	1	-	-	-
Eurasian Widgeon	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
American Widgeon	-	27	4	-	5	-	#	-	-	-	-	-	-	-	-	8
American Black Duck	64	95	888	121	25	1	74	167	23	9	37	68	75	6	-	64
Mallard	489	1383	791	293	916	6	558	1314	637	34	446	167	219	393	911	343
Northern Shoveler	-	29	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Northern Pintail	1	10	7	-	-	-	1	2	-	-	-	-	1	-	-	-
Green-winged Teal	-	10	18	-	5	-	1	2	-	-	4	-	-	-	-	33
Canvasback	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Redhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring-necked Duck	#	50	-	-	-	-	57	4	1	-	-	-	8	-	1	13
Greater Scaup	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lesser Scaup	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black Scoter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oldsquaw	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Bufflehead	-	107	8	-	-	1	21	1	56	-	14	3	-	27	-	8
Common Goldeneye	-	3	3	-	-	-	-	1	19	-	-	14	10	-	-	-
Hooded Merganser	3	92	5	15	1	3	18	75	107	-	34	20	8	2	28	7
Common Merganser	-	16	1448	135	-	18	164	34	243	-	1	5	3	3	-	-
Red-breasted Merganser	-	-	#	1	-	-	-	-	-	-	-	-	4	-	-	-
Ruddy Duck	#	297	7	-	-	-	-	-	-	-	47	-	#	-	-	17
Osprey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bald Eagle	1	5	27	6	#	-	4	2	2	-	-	3	2	-	-	1
Northern Harrier	2	1	8	3	-	-	2	5	-	-	-	-	-	1	-	1
Sharp-shinned Hawk	4	21	20	-	2	-	2	19	3	#	16	-	2	2	15	2
Cooper's Hawk	1	5	4	3	5	-	-	10	10	6	5	-	2	2	11	4
Northern Goshawk	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
Red-shouldered Hawk	-	1	3	-	2	-	-	1	-	-	-	1	-	4	1	2
Red-tailed Hawk	17	74	97	60	43	1	19	127	18	20	74	12	29	26	84	36
Rough-legged Hawk	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-
Golden Eagle	-	-	-	-	#	-	-	-	-	-	-	-	-	-	-	-
American Kestrel	9	11	57	9	19	1	3	31	2	26	14	1	12	12	9	32
Merlin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Peregrine Falcon	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring-necked Pheasant	#	5	11	2	-	-	-	10	1	#	-	1	4	2	-	9
Ruffed Grouse	1	-	-	8	9	3	11	-	7	-	-	-	5	1	-	-
Wild Turkey	-	28	13	118	-	-	163	243	5	90	-	3	4	23	-	-

PENNSYLVANIA'S 1998 CHRISTMAS BIRD COUNTS

	SCRA	SBCK	SLAN	SEBR	STAT	THOM	TUNK	UBCK	WARR	WASH	WEST	WHIT	WILD	WILL	WYNC	YORK
Northern Bobwhite	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-
Virginia Rail	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
American Coot	13	436	97	-	#	-	42	4	3	-	3	-	1	-	-	792
Killdeer	-	36	74	6	1	-	-	38	-	2	16	-	7	2	25	93
Common Snipe	-	1	14	-	4	-	-	-	-	-	-	-	-	-	-	8
American Woodcock	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-
Laughing Gull	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Black-headed Gull	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Bonaparte's Gull	-	-	21	-	-	-	-	-	-	-	-	-	-	-	-	1
Ring-billed Gull	707	12693	10384	9	2	-	15	515	310	-	213	92	46	1	73	966
Herring Gull	4	18357	66	4	-	1	16	15	7	-	3	18	2	-	1	2
Iceland Gull	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lesser Black-backed Gull	-	97	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glaucous Gull	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Great Black-backed Gull	-	2051	81	-	-	-	-	1	-	-	-	-	-	1	1	-
Rock Dove	1096	898	1120	423	1404	215	318	976	585	238	474	117	230	772	503	395
Mourning Dove	391	1929	1407	274	860	17	147	1886	421	532	776	118	632	576	706	455
Barn Owl	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Screech-Owl	-	9	86	25	6	-	22	103	4	17	79	-	6	7	2	-
Great Horned Owl	-	16	40	7	7	2	12	30	3	#	12	1	12	3	12	3
Barred Owl	-	-	6	-	1	-	#	-	-	1	-	-	2	-	-	3
Long-eared Owl	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Short-eared Owl	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northern Saw-whet Owl	-	-	1	3	-	-	-	1	-	-	-	-	-	-	-	-
Rufous Hummingbird	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Belted Kingfisher	5	30	62	5	15	-	11	32	12	5	29	6	3	3	23	12
Red-headed Woodpecker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Red-bellied Woodpecker	4	54	213	20	53	-	30	131	4	55	127	2	20	10	109	44
Yellow-bellied Sapsucker	-	1	47	-	1	-	8	19	-	14	11	-	1	-	11	3
Downy Woodpecker	46	146	220	42	129	6	68	294	88	72	108	32	57	45	104	61
Hairy Woodpecker	12	21	25	27	37	1	18	20	29	16	13	14	7	13	18	11
Yellow-shafted Flicker	9	108	189	15	12	-	25	134	10	8	58	1	16	9	68	24
Pileated Woodpecker	-	-	15	13	8	-	19	6	7	14	2	4	1	5	3	3
Empid, sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Phoebe	-	-	5	-	-	-	-	1	-	-	1	-	-	-	-	-
Loggerhead Shrike	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northern Shrike	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Blue Jay	237	240	343	133	306	19	181	397	433	73	326	171	57	196	115	55
American Crow	572	1990	993	1117	945	152	588	1569	397	183	1251	274	397	544	1418	816
Fish Crow	3	615	10	-	42	-	-	1	-	-	1	-	-	2	5	11
Common Raven	-	-	-	6	5	-	3	-	-	-	-	-	#	1	-	2
Horned Lark	-	-	1038	-	17	#	350	-	-	-	-	-	92	-	-	150
Carolina Chickadee	-	346	521	-	-	-	-	482	-	94	371	-	-	-	457	189
Black-capped Chickadee	501	21	1	625	396	48	364	172	581	24	6	233	106	213	-	4
Tufted Titmouse	77	177	347	58	210	2	88	481	96	132	268	73	60	91	396	78
Red-breasted Nuthatch	-	1	3	4	7	-	2	1	3	1	-	3	3	2	2	-
White-breasted Nuthatch	67	42	71	75	158	11	83	208	96	102	170	54	31	62	96	52
Brown Creeper	4	18	38	11	16	-	10	15	14	14	10	1	4	6	12	1
Carolina Wren	1	82	246	9	32	-	17	93	11	29	155	-	8	7	62	36
House Wren	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Winter Wren	1	6	77	4	4	-	5	5	1	4	7	-	3	-	8	5
Golden-crowned Kinglet	23	93	115	146	149	#	50	53	56	82	28	14	32	19	17	27
Ruby-crowned Kinglet	-	7	18	-	8	2	2	15	-	5	5	6	-	-	3	5
Blue-gray Gnatcatcher	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Bluebird	39	31	415	44	58	-	89	344	19	28	217	17	91	100	6	153
Hermit Thrush	-	5	34	4	11	-	-	24	-	-	15	-	5	2	-	5
American Robin	5	1243	57	1504	582	-	85	1745	148	281	330	1	5	137	942	38

PENNSYLVANIA'S 1998 CHRISTMAS BIRD COUNTS

	SCRA	SBCK	SLAN	SEBR	STAT	THOM	TUNK	UBCK	WARR	WASH	WEST	WHIT	WILD	WILL	WYNC	YORK
Gray Catbird	-	2	3	-	1	-	-	2	-	-	5	-	-	1	-	-
Northern Mockingbird	13	88	206	1	33	-	3	174	-	8	203	-	8	7	55	67
Brown Thrasher	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
European Starling	6186	9149	7516	2037	2172	218	1902	10667	824	690	3858	177	648	1332	2208	2744
American Pipit	1	10	822	-	-	-	-	10	-	-	-	-	-	-	-	-
Cedar Waxwing	1	26	117	502	505	-	32	704	380	60	56	93	46	388	31	-
Orange-crowned Warbler	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nashville Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Myrtle Warbler	1	21	26	5	-	-	-	453	-	31	7	-	5	12	9	76
Pine Warbler	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Palm Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Black-and-white Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
American Redstart	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
Ovenbird	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northern Waterthrush	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Yellowthroat	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-
Eastern Towhee	-	1	23	-	-	-	-	2	-	2	22	-	-	-	1	2
American Tree Sparrow	165	63	28	494	632	20	354	314	171	59	90	55	151	249	4	45
Chipping Sparrow	-	-	1	-	-	-	-	3	1	-	-	-	1	3	3	-
Clay-colored Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Field Sparrow	1	31	30	3	5	-	-	21	3	2	30	-	3	6	5	12
Vesper Sparrow	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Savannah Sparrow	-	7	43	-	1	-	-	-	-	-	-	-	-	-	-	7
Fox Sparrow	-	7	32	-	1	-	-	18	-	3	1	-	1	-	2	9
Song Sparrow	20	337	874	31	71	-	43	298	10	64	334	1	45	15	150	234
Lincoln's Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Swamp Sparrow	1	8	73	6	4	2	#	4	-	-	12	-	5	1	-	8
White-throated Sparrow	25	1072	2643	36	348	-	75	948	23	24	1149	3	138	47	686	595
White-crowned Sparrow	-	-	213	-	8	-	-	25	-	-	-	2	33	-	-	141
Slate-colored Junco	701	734	1474	530	973	42	367	2954	669	287	1518	234	573	585	617	1408
Oregon Junco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lapland Longspur	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Snow Bunting	-	120	1	-	-	#	-	-	-	-	-	-	280	-	-	5
Northern Cardinal	58	366	827	93	219	5	98	508	123	155	505	13	51	103	220	174
Red-winged Blackbird	-	124	421327	36	2	-	116	9	-	-	201	-	176	-	1	300
Eastern Meadowlark	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Yellow-headed Blackbird	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Rusty Blackbird	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
Brewer's Blackbird	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Grackle	-	6	295844	-	1	-	-	39	1	-	2	-	1	2	-	706
Brown-headed Cowbird	#	71	38181	-	-	-	-	5	-	-	48	-	25	-	-	6
oriole, sp.	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purple Finch	-	1	-	36	-	22	1	8	2	5	-	32	-	4	-	-
House Finch	270	498	473	95	533	-	120	1894	259	207	541	117	83	320	397	194
Common Redpoll	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pine Siskin	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
American Goldfinch	48	142	356	270	169	36	240	346	290	96	216	159	57	96	182	262
Evening Grosbeak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
House Sparrow	792	236	1155	279	630	14	190	228	328	181	81	10	92	216	28	141
Number Species	53	103	111	61	67	31	64	89	59	49	75	51	74	65	63	84
Number Individuals	13017	81726	976942	12242	13250	894	8746	42095	7953	4694	31016	2602	5481	7198	14222	15242
Party Hours	NA	139	227	82	122	13	60	152	82	NA	139	34	NA	68	275	86

PENNSYLVANIA'S 1998 CHRISTMAS BIRD COUNTS

	NO. OF COUNTS		HIGH COUNT	NO. OF COUNTS		HIGH COUNT	NO. OF COUNTS		HIGH COUNT	NO. OF COUNTS		HIGH COUNT
	TOTALS	COUNTS		TOTALS	COUNTS		TOTALS	COUNTS		TOTALS	COUNTS	
Red-throated Loon	2	2	1	SBCK, SLAN	703	46	121	GLEN	3	2	2	GLEN
Common Loon	33	15	8	LANC	116	23	27	ELVE	1	1	1	NEWB
Pied-billed Grebe	231	37	31	SBCK	9	9	1	2	1582	49	453	UBCK
Horned Grebe	30	12	11	BUTL	1	1	1	SLAN	5	5	1	5
Double-crested Cormorant	59	9	24	SBCK	2	2	1	BUTLSLAN	2	2	1	GLEN, HAMB
Great Cormorant	30	3	20	PENN	521	8	365	LINE	3	2	2	LWBG
Great Blue Heron	1068	56	100	SBCK	65082	48	15255	LANC	2	2	2	SLAN, WARR
Great Egret	18	2	14	SBCK	21035	47	18357	SBCK	1	1	1	HARR
Green Heron	2	2	1	MANS, SBCK	3	3	1	ELVE, LEBA, SBCK	1	1	1	NEWV
Black-crowned Night Heron	10	4	7	SBCK	116	6	97	SBCK	8	7	2	SLAN
Black Vulture	731	19	145	GETT	2	2	1	BETH, SBCK	168	34	50	GLEN
Turkey Vulture	2510	23	374	CBCK	2528	20	2051	SBCK	15483	67	1094	HAMB
Greater White-fronted Goose	10	6	3	LEHI	38311	66	2002	PITT	108	20	42	BEDF
Snow Goose	94514	26	59100	SLAN	42012	67	3706	LEHI	1	1	1	LEHI
Ross's Goose	5	4	2	LITI	10	5	4	CURT	524	46	33	CBCK
Brant	1	1	1	WILL	989	52	106	NEWB	5	4	2	SCRA
Canada Goose	208036	67	24157	SBCK	711	57	75	NEWB	153	15	43	SLAN
Mute Swan	157	22	77	SBCK	47	23	6	GETT, SLAN	166	29	32	SLAN
Tundra Swan	1362	16	511	LANC	26	10	5	BLOO	9488	65	874	SLAN
Wood Duck	88	29	7	MANS	22	9	6	CLRN	1	1	1	MTDV
Gadwall	524	25	98	HARR	13	9	3	SEBR	433	48	73	SLAN
Eurasian Widgeon	1	1	1	SBCK	851	60	62	SLAN	25257	64	2643	SLAN
American Widgeon	218	24	66	HARR	35	15	9	GETT	1948	41	292	BERN
American Black Duck	5534	56	888	SLAN	3204	65	213	SLAN	63848	67	3200	HAMB
Mallard	39416	66	4682	LINE	414	48	47	SLAN	1	1	1	NESC
Northern Shoveler	446	10	288	GLEN	6102	67	294	UBCK	6	5	2	LEHI
Northern Pintail	1247	23	1165	GLEN	1046	67	49	PITT	462	9	280	WILD
Green-winged Teal	1096	29	876	GLEN	2067	63	189	SLAN	14212	67	827	SLAN
Canvasback	177	11	82	ELVE	518	59	34	LWST	445217	42	421327	SLAN
Redhead	50	3	36	ERIE	1	1	1	CURT	112	14	32	CBCK
Ring-necked Duck	608	27	85	ELVE	24	17	5	SLAN	367	18	205	ELVE
Greater Scaup	22	2	20	ERIE	3	2	2	GETT	3	3	1	BETH, READ, SBCK
Lesser Scaup	98	13	32	ERIE	7	7	1	3	384667	35	295844	SLAN
Black Scoter	1	1	1	ERIE	11222	67	433	WARR	46848	39	38181	SLAN
Oldsquaw	20	3	18	CURT	74541	67	13115	BETH	1	1	1	SBCK
Bufflehead	956	33	265	ERIE	1010	27	615	SBCK	291	39	36	SEBR
Common Goldeneye	799	22	498	ERIE	155	27	39	MTDV	22076	65	1894	UBCK
Hooded Merganser	1689	43	779	LINE	9172	34	1476	LITI	39	14	8	GETT, MANS
Common Merganser	4493	38	1448	SLAN	5817	28	537	AUDU	11216	67	515	CLRN
Red-breasted Merganser	181	8	157	ERIE	14013	61	1244	LEHI	83	6	50	BUTL
Ruddy Duck	1730	18	1011	BUTL	11070	67	481	UBCK	22122	67	1259	CHAM
Osprey	1	1	1	RECT	132	40	23	PITT	4567	67	111	SLAN
Bald Eagle	88	25	27	SLAN	5779	67	214	LEHI	2145019	67	976942	SLAN
Northern Harrier	132	38	9	CURT, GLEN	616	59	69	HARR	4836	55	275	WYNC
Sharp-shinned Hawk	388	55	30	GLEN	8	7	2	SLAN				
Cooper's Hawk	272	61	13	LWBG	359	49	77	SLAN				
Northern Goshawk	6	6	1	1								
Northern Goshawk	50	28	7	CHAM								
Red-shoudered Hawk	50	28	7	CHAM								
Red-tailed Hawk	3042	67	141	LEHI	3994	66	188	LWST				
Rough-legged Hawk	18	10	5	MANS, POTT	254	41	21	GLEN				
Golden Eagle	1	1	1	LAKE	4	3	2	SCRA				
American Kestrel	1159	63	77	HAMB	6347	61	415	SLAN				
Peregrine Falcon	13	10	2	GLEN, HARR, PITT	321	42	34	SLAN				
Ring-necked Pheasant	288	46	82	BLOO	2854	64	5073	HUNT				
Ruffed Grouse	178	38	18	EMPO	44	24	5	WEST				
Wild Turkey	3232	51	390	BETH	2481	51	206	SLAN				
Northern Bobwhite	9	1	9	SLAN	6	6	1	4				
Virginia Rail	1	1	1	UBCK	214594	67	46670	LANC				
American Coot	6733	34	1353	ERIE	1551	12	822	SLAN				
					6125	58	704	UBCK				

- 1 BLOO, ERIE, GLEN, INDI, SEBR, TUNK
- 2 BALD, BUTL, GETT, GLEN, INDI, PITT, RACC, WEST, WYNC
- 3 BERN, BUTL, CLRN, DALL, ERIE, LWB, GLINE
- 4 CHAM, CURT, ELVE, HARR, LITI, WEST
- 5 GLEN, INDI, LEHI, LITI, SLAN

Black Rail in Berks County

by Mark W. Miller and Mark Monroe

Exploring the out-of-doors at night introduces the naturalist to a mysterious, and sometimes unnerving world. Strange sounds emanating from the darkness become the norm. Many nocturnal animals are notoriously secretive. Often they may be heard calling from distant mountains, deep forest, and nearby marshes. However, these animals are rarely seen, and therein lies the heart of their mystery. Unraveling such nocturnal mysteries is an exciting and rewarding challenge for scientists who venture into the darkness.

During Spring 1999, Mark W. Miller (MWM) initiated a study of frog and toad breeding-community dynamics in northern Berks County, Pa.. The study design involved visiting several wetlands each week-night to document breeding activity. A tape recorder was used to create a permanent record of amphibian vocalizations during each visit. Field work, which began on 4 May, continues.

The study involved identifying amphibian species by sound, and a concerted effort was made to identify all animal sounds at least to class. During the first two weeks of the study several bird species were heard singing or calling, including Mallard (*Anas platyrhynchos*), Killdeer (*Charadrius vociferus*), Great Horned Owl (*Bubo virginianus*), and an occasional passerine. However, nothing unusual was noted. MWM often did field work alone, and happened to be alone on 17 May, the tenth night of the study. That night at 11:00 pm an unusual bird-like call was heard upon arriving at one of the study sites, the Cricket Farm Marsh, a marsh at the southeast corner of the intersection of Mountain Road and New Bethel Church Road in Albany Township, along the foot of

the Kittatinny Ridge. MWM has extensive birding experience, particularly with wetland birds. However, this call was unfamiliar to him. The calls were loud, persistent and nearby, and were easily recorded on tape. When amphibian sampling was finished, the first author turned his attention to the unusual call, which he assumed was probably made by a migrant shorebird. After a few more minutes of listening and taping, he decided to move to the next study site and to ask the second author about the call the following day.

Upon hearing the taped call, Mark Monroe (MM) immediately suggested that it was made by a Black Rail (*Laterallus jamaicensis*), but first wanted to compare it with taped calls of other rails. We compared the call to those of all North American rail species on a commercially available tape of bird vocalizations, and we both concluded that the bird at the amphibian study site was indeed a male Black Rail. That day MM posted the discovery on the PaBirds internet listserver, and we estimate that ≥ 100 people subsequently visited the Cricket Farm Marsh and heard the rail call. Several visitors also made tape recordings of the call, and at least one visitor videotaped the marsh, albeit at night.

The rail's call was loud, clear, and unique, so the first author is certain in retrospect that the bird had not called during previous amphibian surveys on 4-7 May or 10-14 May. However, no survey was made on 15-16 May. A Black Rail was heard calling at the site by at least one of us on 17 - 21 and 28 May and on 1 and 2 June. The second author measured call frequency during the afternoon, evening and night. The bird tended to call with low frequency between

1500 and near dusk. During the last hour before dusk call frequency increased until calling became virtually continuous. The bird then tended to fall silent for approximately two hours, after which it resumed calling every 6-10 seconds for hours into the night. On 1 June individual calls themselves seemed noticeably slower. The bird was last heard during the 2 June amphibian survey when it called twice. It was not heard again by either of us, nor to our knowledge by anyone else. The bird was seen on 23 May by Joe Majdan who posted his sighting on the PaBirds listserver.

Black Rails are not known to breed in Pennsylvania, and only approximately 14 previous records exist for the species in the state (Poole 1964; Schutsky 1992). Our record is the first for this species in Berks County (Uhrich 1997). At one point the second author felt that he may have heard a female Black Rail as well, but that call was not recorded or confirmed. The Cricket Farm Marsh is dominated by low non-woody vegetation, apparently grasses and sedges, although we have not entered the property to examine vegetation closely. Standing water is restricted largely to a small pond and a stream converted to a drainage ditch. Cattails are not dominant. The marsh is approximately 75 x 150 m at most, and is located in a highly agricultural area. Two sides are bordered by crop land, one by a horse pasture and one by a woodlot. The pasture and one field of small grains were separated from the marsh by the two roads mentioned above.

Schutsky (1992) stated that birders must conduct "serious nocturnal field work" to better understand the distribution and breeding status of the Black Rail in

Pennsylvania. However, to do so birders may have to consciously decide to venture outdoors after dark, knowing that relatively few species will be encountered, knowing that those few species that are encountered probably will not be seen, and believing that their chances of finding a Black Rail are small. Herpetologists regularly conduct fieldwork at night in wetland habitat, tend to rely on auditory cues out of necessity and frequently tape record what they hear. As interest in amphibian research and monitoring increases, herpetologists familiar with nocturnal sounds in general may add greatly to our understanding of the distribution, if not breeding status, of nocturnal wetland birds. Such inter-disciplinary cooperation can only benefit the fauna of Pennsylvania and should be explored.

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References

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Pennsylvania Bird Foray Susquehannock State Forest Potter County, 11-12 June 1999 by Deuane Hoffman

The idea to organize a foray for birders in Pennsylvania originated from the known successes of the Brook's Bird Club Foray in West Virginia. The annual West Virginian event is an intense biological survey drawing professional and amateur scientists from biology-related fields for a seven-day study of remote areas. Recently six volunteers participated in two day study in north central Pennsylvania.

For this event, all boundary and internal roads were driven and surveyed using general canvassing methods rather than interval methods. Participants also walked trails passing through habitat most representative of the study area. PSO Special Area Project recording codes were used for the breeding status of birds seen.

The study area encompassed a 15-square-mile track of land located in southeastern Potter County centered around Ole Bull State Park. PA route 44 and the village of Oleona marked the northern boundary. The eastern boundary consisted of state forest maintained Twelve Mile Road and Shephard Road. The town of Cross Fork marked the southern boundary and the western boundary consisted of Cross Fork Road and Hungry Hollow Road.

Most dominating of the areas physical features is the Kettle Creek Watershed Area, bounded on the east and west by high ridges with a maximum elevation of approximately 2250 feet above sea level. Low elevation was 1200 feet above sea level at Cross Fork.

Lying within the habitat of primarily northern hardwood forest were several micro-habitats including white pine plantation, beaver meadow and pond, successional pastureland, and regenerating clear-cut areas. The villages of Oleona and Cross Fork also lent to the diversity of habitat. It is important to note that approximately 90% of the study area was within state public lands.

During this 38 party hour survey, ninety-one species were recorded, the majority of which were associated with forested habitat. Of the total species recorded, 45 (50%) were confirmed breeders, 15 (16%) were probable breeders, 31 (34%) were possible breeders. A vast majority of the species were woodland, representative of the habitat. A good indication of the undeveloped nature of this area can be surmised by the lack of domestic species. Only six European Starlings, three Brown-headed Cowbirds, and two House Sparrows were recorded, and there was no Rock Dove or House Finch recorded.

Best finds included Sora (found in the beaver meadow), Acadian Flycatcher (thought to be a rare breeder in Potter County), Yellow-throated Vireo, and Nashville Warbler. By far, the biggest miss of the survey was the party's inability to visually or audibly locate Wild Turkey.

Participants

David Hauber (Coudersport), Mary Herrold (Superintendent, Ole Bull State Park), Deuane Hoffman (Harrisburg), Mike Leahy (Knox), Chris Rebert (Dillsburg, intern at Ole Bull State Park), and Sam Sinderson (Pleasant Hills).

SPECIES	TOTAL
Green Heron	1
Great Blue Heron	2
Canada Goose	7
Wood Duck	2
Common Merganser	2
Turkey Vulture	7
Sharp-shinned Hawk	1
Broad-winged Hawk	3
Red-tailed Hawk	1
Ruffed Grouse	1
Sora	1
Spotted Sandpiper	1
Mourning Dove	4
Yellow-billed Cuckoo	3
Eastern Screech-Owl	2
Great Horned Owl	3
Barred Owl	5
Chimney Swift	5
Ruby-throated Hummingbird	11
Belted Kingfisher	3
Yellow-bellied Sapsucker	38
Downy Woodpecker	8
Hairy Woodpecker	6
Northern Flicker	11
Pileated Woodpecker	14
Eastern Wood-Pewee	13
Acadian Flycatcher	8
Alder Flycatcher	2
Least Flycatcher	34
Eastern Phoebe	13
Great-crested Flycatcher	4
Eastern Kingbird	3
Tree Swallow	16
Northern Rough-winged Swallow	4
Bank Swallow	2
Cliff Swallow	26

Barn Swallow	6
Blue Jay	12
American Crow	31
Common Raven	3
Black-capped Chickadee	32
Tufted Titmouse	2
Red-breasted Nuthatch	3
White-breasted Nuthatch	8
Brown Creeper	11
House Wren	7
Winter Wren	6
Golden-crowned Kinglet	23
Blue-gray Gnatcatcher	6
Veery	17
Hermit Thrush	24
Wood Thrush	6
American Robin	81
Gray Catbird	13
Brown Thrasher	1
Cedar Waxwing	55
European Starling	6
Blue-headed Vireo	26
Yellow-throated Vireo	1
Red-eyed Vireo	114
Nashville Warbler	1
Yellow Warbler	7
Chestnut-sided Warbler	43
Magnolia Warbler	32
Black-throated Blue Warbler	21
Yellow-rumped Warbler	13
Black-throated Green Warbler	72
Blackburnian Warbler	73
Black-and-white Warbler	42
American Redstart	74
Ovenbird	87
Louisiana Waterthrush	1
Mourning Warbler	3
Common Yellowthroat	13
Hooded Warbler	5
Scarlet Tanager	56
Northern Cardinal	5
Rose-breasted Grosbeak	34
Indigo Bunting	23
Eastern Towhee	18
Chipping Sparrow	34
Song Sparrow	23
Swamp Sparrow	3
Dark-eyed Junco	89
Red-winged Blackbird	32
Common Grackle	34
Brown-headed Cowbird	3
Baltimore Oriole	7
Purple Finch	2
American Goldfinch	17
House Sparrow	2

Birding in PA Goes Electronic

listserv@list.audubon.org

by Carmen T. Santasania

If you are interested in up-to-the minute bird information on PA birds and have access to email and the Internet, you should consider joining PABIRDS, an electronic list for PA birders. An electronic listserver is like a giant bulletin board, except it is electronic and the information is communicated to you instantly.

The PABIRDS list is hosted by the National Audubon Society and the list moderator is Carmen T. Santasania. To join the list, send an email to:

Leave the subject blank (or if your email program does not permit this, you can put anything in the subject as the listserv software ignores the subject). In the message type:

subscribe PABIRDS

Your First Name, Your Last Name.

Then, just follow the instructions that will be emailed back to you. If you have any problems or questions, please contact the list moderator at 71634.41@compuserve.com.

We wish to acknowledge the following individuals and organizations for supporting *PENNSYLVANIA BIRDS* through additional gifts.

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Summary of the Season - April through June 1999

This was a banner quarter. There were a lot of rarities, although few stayed around for other observers to see. The highlights have got to be the very cooperative **Black Rail** (*Berks*)—which wasn't kept secret like previous occurrences, thank goodness—and **Lark Sparrow** (*Centre*). Both birds stayed long enough and afforded views to anyone who persevered.

A lot of birders got to hear or see the rail without using a tape, but there were reports of some taping going on. This of course sparked the usual tape/don't tape debate on the PABIRDS listserve. And, as usual, neither side convinced the other of their evil ways.

Black Rail records in Pennsylvania raise an interesting point in this debate. All of the records are of single birds, although a silent female cannot be completely ruled out. It is most likely that these are lost single males setting up territory where they have no business doing so. Therefore nesting is, for all intents and purposes, not in the cards.

So...does taping hurt in this case? All evidence to date shows that taping primarily makes the bird eventually ignore it, thereby making it appear as if it had left. This doesn't hurt the bird, but it does affect other birders looking for the bird. So the next time you are thinking of taping a rare bird, think about the other birders who may come looking for the bird later.

Unlike the rail, the **Lark Sparrow** was seen out in the open frequently and needed no coaxing whatsoever. This is the first Lark Sparrow record in Pennsylvania (since the 1930s when they nested) that afforded so many birders the chance to see it.

Another **Pacific Loon** showed up in *Chester*. This is the 4th record in recent years. **Eared Grebes** were reported from 3 counties, continuing their annual occurrence. An

American White Pelican in *Somerset* was a 1st county record and stayed long enough to be videotaped.

Delaware continues to lead the state in **Anhinga** sightings. If this trend continues, we will have to exempt that county from documenting them!

Three reports of **Tricolored Heron** was encouraging, considering the number of records in recent years.

Year	Records
1998	3
1997	1
1996	1
1995	2
1994	4
1993	2

This has become a real rarity since the demise of the Cattle Egret colony on Rookery Island at Washington Boro in the late 1980s.

Cattle Egrets continue to show up in scattered locations and usually as singles. There were only 2 reports for this quarter.

Although 5 **Glossy Ibis** reports were received, only one was documented. With the outbreak of White-faced Ibis in the East this spring it is unfortunate that more attention isn't being paid to these sightings.

Mississippi Kites continue to be reported each spring. There were 3 reports this quarter. Are they increasing in numbers or are more people paying attention?

A **King Rail** was found dead in *Cumberland*. The specimen was saved and will be mounted (properly labeled) and used at a Nature Center. **Sandhill Cranes** continued their nesting in western Pennsylvania and showed up in several other counties. We won't be surprised if they start nesting in additional areas.

Most shorebird reports were

unexceptional, but the **Reeve** in *Luzerne* was the first record in many years. Also, the **7 Red-necked Phalaropes** in *Northampton* was a record high, the previous high being 5 observed just after the hurricane of August 13, 1955 at Lake Ontelaunee.

At least 5 **Black-headed Gulls** were reported, but only 2 were documented. A **Thayer's Gull** in *Clarion/Venango* constituted a 1st county record for both counties. A **Least Tern** in *Luzerne* was an excellent find.

Two **Chuck-will's-widows** were reported heard (*Adams, Bucks*). This species probably occurs more frequently in the state than is noted, but not many birders are out at night listening.

American Tree Sparrows, which normally leave by mid-April, lingered into May in 4 counties with a late date of 5/13 in *Erie*.

Clay-colored Sparrows were documented nesting again in *Clarion* (see article in this issue), and were reported from 5 other counties as well. Unlike the **Lark Sparrow** in *Centre*, the bird in *Wyoming* was seen only one day.

Even rarer than the Lark Sparrow, was a **Seaside Sparrow** at Washington Boro (*Lancaster*). But this also was seen only one day. This may be only the 6th state record.

Northern finches were non-existent with only a few reports of individual **Pine Siskins** and **Evening Grosbeaks**. And, the Grosbeaks in *Wyoming* were probable breeders.

There were **286** species reported this quarter—a new quarterly high (previous high was 284 in 1996)—and considerably higher than the 10-year average of 280. We received partial or complete reports from **61** counties.

Thanks again to our hard-working county compilers! ♣

Frank & Barb Haas

Birds of Note - April through June 1999

(Species not expected or reported in fewer than five counties this period)

Rare and unusual sightings for which details have been submitted will be reviewed by the Pennsylvania Ornithological Records Committee. "No details" means no **description of the bird** was submitted.

Pacific Loon - *Chester*: 1 on 4/23 at Struble Lake (Grier Saunders, Bob Cook).

Eared Grebe - *Berks*: 1 on 4/10-22 at Glen Morgan Lake (Ken Lebo, et al.)(no details); *Lawrence*: 2 on 4/8 at Edinburgh Lake (Candy Gonzalez, Barb Dean)(no details); *York*: 1 on 4/17 at Codorus S. P. (Karen Lippy)(no details).

American White Pelican - *Somerset*: 1 on 5/18-19 at Somerset Lake was a 1st county record (PFBC Personnel).

Great Cormorant - *Delaware*: Present up to 4/12 in Essington (Nick Pulcinella); *Northampton*: Up to 5 in April and one remaining to 5/28 at Martins Creek (Rick Wiltraut).

Anhinga - *Delaware*: 2 on 4/26 at Rose Tree Park (Tom McParland, Dave Washabaugh)

Least Bittern - *Berks*: 1 on 4/18 at Blue Marsh Lake (Jim Eckert); *Erie*: Present from 5/7 at Presque Isle S. P. (John Fedak); *Philadelphia*: Present all quarter with a high of 10 at Tinicum (John Miller); *Westmoreland*: 1 on 5/19-22 at Powdermill Nature Reserve (Bob Leberman, Bob Mulvihill, Jim Gruber)

Little Blue Heron - *Chester*: 1 on 4/16-5/5; *Delaware*: 1 on 4/25-5/1 at Darby Twp. (John Miller); *Schuylkill*: 1 on 4/18-22 at Landingville Dam (Marilyn Gamble) and 1 on 5/28-30 at Sweet Arrow Lake (Barbara Allerton. Denise Donmoyer).

Tricolored Heron - *Cumberland/Dauphin*: 1 on 5/3 at West Fairview (Deuane Hoffman) and 1 on 5/8 at Marysville (Dan Bogar); *Lancaster*: 1 on 5/15 at Washington Boro (Dan Heathcote, Eric Witmer, Bruce Carl)

Cattle Egret - *Bucks*: 1 on 5/13 at Van Sciver Lake (Gerry Dewaghe); *Cumberland/Dauphin*: 1 on 5/3 at West Fairview (Deuane Hoffman)

Yellow-crowned Night-Heron - *Cumberland*: Present from 4/24 with a high of 7 on 5/30 at West Fairview (Ramsay Koury et al.); *Dauphin*: Present part of the quarter; *Lancaster*: Present from 5/8 through the quarter.

Glossy Ibis - *Berks*: 1 on 5/1 at Eckville(Keith Bildstein, Mark & Mary Bailey)(no details) and 1 on 5/8 at Bowers (Ken Lebo, Pete Saenger)(no details); *Chester*: 1 on 4/29 and 5.14 (No details); *Delaware*: 1 on 5/8 at the Philadelphia Airport (Doris McGovern, Chuck Hetzel); *Lancaster*: 1 on 5/1 at Middle Creek WMA (Bruce Carl)(no details).

Barnacle Goose - *Berks*: 1 on 5/8-28 at Oley (Rudy Keller, Harold Lebo)(no details);

Trumpeter Swan - *Dauphin*: 1 on 4/16-28 at Harrisburg (Grace Randolph et al.); *Juniata*: 3 on 4/18 (Aden Troyer); *Lawrence*: 1 on 4/24-5/12 near Leesburg (Randy Stringer et al.).

Eurasian Wigeon - *Erie*: 1 on 4/24-27 at Seigel Marsh (Jean Stull Cunningham, Flo McGuire).

Black Scoter - *Berks*: 5 on 4/16 at Lake Ontelaunee (Matt Spence); *Centre*: 1 on 4/18-24.

Mississippi Kite - *Berks*: 1 on 5/11 at Hawk Mountain (Arlene Koch)(no details); *Montgomery*: 1 on 5/13 at Gwynedd Preserve (August Mirabella); *Schuylkill*: 1 on 5/29 at SGL 227 (Dave Kruel).

Rough-legged Hawk - *Dauphin*: 1 on 4/28 near Carsonville (Joan & Jim Funck); *Franklin*: 1 on 5/15 at Heisey Rd (Bob Keener); *Potter*: Present up to 4/10 (Mary Herrold); *Somerset*: 1 on 4/5 (Jeff Payne); *Warren*: Last reported on 4/3 at Lander (Don Watts); *Westmoreland*: 1 on 4/10 at Powdermill Nature Reserve (Jim Gruber)

Black Rail - *Berks*: 1 on 5/17-6/2 at Albany Twp. (Mark Miller et al.);

King Rail - *Cumberland*: 1 found dead on 5/13 on Rte 696 in Hopewell Twp by William Greenwalt and later identified by Ken Gabler.

Sandhill Crane - *Armstrong*: 1 on 6/11-30 at Dayton (Mike Mazzocco, et al.); *Butler/Lawrence/Mercer*: Present all quarter; *Erie*: 1 on 4/7-8 at Presque Isle S. P.(Bob Grubbs) and 2 on 4/10 at Lowville (CWW); *Westmoreland*: 1 on 4/20 at Mammoth Park was a 2nd county record (Dennis Lauffer).

American Golden Plover - *Crawford*: 1 on 4/18 at Miller Pond (Isaac Field, Ron Leberman);

American Avocet - *Erie*: 3 on 4/16 at Presque Isle S. P. (Jerry McWilliams); *Venango*: 1 on 4/18 at Clintonville Pond (Russ States, et al.); *York*: 1 on 4/17 at Codorus S. P. (Jim Kolba, Peter Robinson).

Willet - *Franklin*: 1 on 5/8 at Greencastle Reservoir was the 3rd county record (Carl Garner, Bob Carmack); *Indiana*: 1 on 5/5 at Two Lick Reservoir (Steve Graff).

Whimbrel - *Erie*: 60 on 5/25 and 2 on 5/29 at Presque Isle S. P. (Jerry McWilliams, John Fedak)

Ruddy Turnstone - *Berks*: 1 on 5/19 at Lake Ontelaunee (Ken Lebo); *Crawford*: 1 on 6/1 at Tamarack Lake (Isaac Field); *Erie*: 2 on 5/22 at Presque Isle S. P. (Jerry McWilliams); *Indiana*: 1 on 5/8 at Yellow Creek S. P. (Gloria Lamer, Georgette Syster); *Lancaster*: 6 on 5/23 at Washington Boro (Tom Garner, Eric Witmer).

Sanderling - *Erie*: Present from 5/25 to early June at Presque Isle S. P. (Jerry McWilliams)

Red Knot - *Berks*: 1 on 6/12-14 at Lake Ontelaunee (Harold Lebo et al.); *Delaware*: 30 on 5/31 at Rose Tree Park (Al Guarente, Nick Pulcinella); *Erie*: 1 on 5/23 at Presque Isle S. P. (Jerry McWilliams)

Western Sandpiper - *Crawford*: 2 on 6/1-4 at Tamarack Lake (Isaac Field); *Westmoreland*: 3 on 5/15 at Latrobe (Mark McConaughy); *Wyoming*: 1 on 5/20 at South Eaton (Bill Reid); *York*: 1 on 5/8 (Al Spiese).

Baird's Sandpiper - *Crawford*: 2 on 6/1 at Tamarack Lake (Isaac Field); *Indiana*: 1 on 5/11 at Yellow Creek S. P. (Margaret Higbee et al.).

Stilt Sandpiper - *Philadelphia*: Present in May.

Ruff - *Luzerne*: 1 on 5/8 at Plains Flats was a 1st county record (Jim Hoyson, Jim Shoemaker).

Short-billed Dowitcher - *Allegheny*: 1 on 5/19 at Imperial (Scott Kinzey); *Erie*: 1 on 5/8 at Presque Isle S. P. (Jerry McWilliams); *Indiana*: 1 on 5/8 at CF (Lee Carnahan); *Luzerne*: 1 on 5/10 at Plains Flats (Jim Hoyson).

Wilson's Phalarope - *Allegheny*: 1 on 5/14 at Imperial (Joyce Hoffman, Margie Kern); *Chester*: 2 on 5/23 at Upper Uwchlan Twp. (Grier Saunders); *Erie*: 1 on 5/7 at Presque Isle S. P. (Jerry McWilliams); *Indiana*: 1 on 6/22 at Yellow Creek S. P. (Margaret Higbee, Carol Guba, Dennis Lauffer).

Red-necked Phalarope - *Northampton*: 7 on 5/24 and 1 on 5/19 at the Martins Creek flyash basin and 1 at GP on 5/19 (Rick Wiltraut).

Little Gull - *Erie*: 7 on 4/1 and 3 on 4/15 at Presque Isle S. P. (Jerry McWilliams, Nathan Hall)

Black-headed Gull - *Carbon*: 1 on 5/29 (Bob Franz, Dave Hawk) ; *Erie*: 1 on 4/1 at Presque Isle S. P. (Jerry McWilliams) and 1 on 4/20-22 at Presque Isle S. P. (Greg Cook)(no details); *Lancaster*: 1 on 4/3 at Fishing Creek Rd. (Bruce Carl)(no details); *Somerset*: 1 on 4/20 at Somerset Lake was a 1st county record (Bob Leberman)(no details).

Thayer's Gull - *Erie*: 1 on 4/5-9 at Presque Isle S. P. (Greg Cook, Nathan Hall)(no details); *Clarion/Venango*: 1 on 4/17-23 near Kahle Lake was a 1st county record (Russ States, Jerry Stanley, Kathie Goodblood).

Iceland Gull - *Bucks*: 1 on 5/8-16; *Erie*: Present until 4/25 at Presque Isle S. P. (Jerry McWilliams); *Philadelphia*: 1 on 4/21 at Delaware River (Matt Sharp).

Lesser Black-backed Gull - *Bucks*: Present up to 5/16; *Erie*: 4 present from 4/2-18 to at Presque Isle S. P. (Jerry McWilliams)

Glaucous Gull - *Erie*: Present until 4/23 at Presque Isle S. P. (Jerry McWilliams)

Least Tern - *Luzerne*: 1 on 5/8 at Kirby Park (Edwin Johnson, Sandy Goodwin, Bob Wasilewski).

Long-eared Owl - *Chester*: 1 on 4/15; *Dauphin*: Present up to 4/4 at Hershey north (Richard Williams); *Erie*: 7 or 8 present until 4/22 at Presque Isle S. P. (Dave Darney); *Union*: 1 on 5/6 at Lewisburg (Cindy Davis).

Short-eared Owl - *Allegheny*: Present part of the quarter; *Columbia*: 1 on 4/2 near Jonestown (Scott Killam); *Erie*: 1 on 4/15 at Presque Isle S. P. (Jerry McWilliams); *Lawrence*: Permanent Resident; *Westmoreland*: Present part of the quarter.

Chuck-will's-widow - *Adams*: 1 heard on 5/8 along Stone Jug Road (John Clarke); *Bucks*: 1 heard on 5/27 near the Delaware River was the 4th county record (G. Carmichael)(no details).

Loggerhead Shrike - *Adams*: Permanent Resident.

Bicknell's Thrush - *Lancaster*: 1 on 5/22 at Rapho Twp. (Randy Miller, et al.)

Connecticut Warbler - *Clarion*: 1 on 4/25 at Beaver Creek would be a record early date for the state if it had been documented (Carl Rowe); *Erie*: 1 on 5/15-17 at Presque Isle S. P. (Margaret Higbee)

Summer Tanager - *Bucks*: 1 on 5/6 at Chalfont (Ron French and 1 on 5/8 at Peace Valley Park (Devich Farbotnik, Ron French) were the 7th and 8th county records.

Western Tanager - *Tioga*: 1 on 6/8 at Jobs Corners (Arlene

Brown).

Clay-colored Sparrow - *Bucks*: 1 on 5/13-15 near Richlandtown Pike (Margie Rutbell, Wendy Whitelam); *Clarion*: At least one pair nested near Mt. Zion. This is the second consecutive year of documented nesting of this species in the state. (John Fedak); *Erie*: 1 on 4/8 (Dick Bollinger)(no details), 1 on 5/4 (Jean & Toby Cunningham)(no details) and 1 or 2 on 5/11-14 at Presque Isle S. P. (Mat Heindel, Jerry McWilliams); *Juniata*: 1 on 5/9 (David Troyer); *Mercer*: 1 on 6/22 on Williamson Rd. (Troyer family); *Northampton*: The bird reported last quarter remained until 4/12; *Tioga*: 1 on 4/15-21 (no details).

Lark Sparrow - *Centre*: 1 on 5/10 through the quarter near Rock Springs was the first of this species to stay around for other observers to see in many years (Paul Rodewald); *Wyoming*: 1 on 6/22 at L. Carey did not remain for others to see (Bill Reid).

Seaside Sparrow - *Lancaster*: 1 on 4/20 at Washington Boro was a 2nd county record (Eric Witmer).

"Gambel's" White-crowned Sparrow - *Northampton*: The bird reported last quarter remained until 4/12.

Black-headed Grosbeak - *Lancaster*: 1 on 5/7 at Rapho Twp. (Randy Miller).

Painted Bunting - *Berks*: The bird reported in the previous quarter was present until 4/20 at Amity (Sue Goldberg); *Fayette*: 1 on 5/4 near Ohiopyle S. P. (Joyce Hoffman, Ellen Partridge)(no details).

Dickcissel - *Berks*: 1 from 2/14-4/22 near Bernville (Scott & Kelly Sorrick, et al.); *Franklin*: 1 on 4/19 at Marion (Carl Garner); *Jefferson*: 1 on 6/12 at Coal Glen (John Fedak, Bill Reddinger); *Montgomery*: 1 on 4/3 at Miquon (Mike Rezzano); *Westmoreland*: 1 on 4/20 at Delmont (Ken Byerly)(no details).

Brewer's Blackbird - *Somerset*: 2 on 4/4 at Gray was a 1st county record (Scott Bastian).

Pine Siskin - *Butler*: 1 on 5/8 (Gene Wilhelm); *Huntingdon*: 1 on 4/12 at Huntingdon (Dave Kyler); *Lycoming*: 1 on 4/20 at Upper Fairfield Twp. (Ed & Tink Reish); *Montgomery*: 1 on 5/7 at Fort Washington S. P. (Bill & Naomi Murphy); *Potter*: 1 on 4/23 at Ole Bull S. P. (Mary Herrold); *Somerset*: Present all quarter. Probably nested on White Horse Mtn. (Jeff Payne).

Eurasian Goldfinch - *Clinton*: 1 on 4/5/99 near Jersey Shore (Lloyd Forcey).

Evening Grosbeak - *Beaver*: 1 on 4/12 at Raccoon Creek S.P. (Bill Hintze); *Blair*: Present part of the quarter; *Dauphin*: 1 lingered until 5/8 at Harrisburg (Terry Neumyer); *Potter*: 1 on 5/6 at Ole Bull S. P. (Mary Herrold) and a pair on 6/27 at Galeton (Betty & Mary Devling); *Tioga*: 5 on 4/22 at Colton Point S. P. (Deuane Hoffman); *Wyoming*: A pair on 6/25 were near the same location that a pair nested in 1994.

Local Notes

Adams County

There were 158 spp. reported, including 29 spp. of warblers.

A **Double-crested Cormorant** was found 5/6 at Birch Run Res. (C Garner), and 2 were found 5/26 at a small restored wetland area near Fairfield (R Ryan). A fairly late pair of **Green-winged Teal** was found 5/7 at SGL-249 (SGL), and the male was seen there on 5/15 (P Robinson). A female **Hooded Merganser** with several young was seen swimming in one of the restored wetland ponds at SGL on 5/4 (PR).

N. Bobwhite are now hard to find here, but 1 was seen at SGL on 5/7 (PR), 1 was heard along Shriver Rd on 5/29 (C Simon), and 2 were seen 6/3 along Heckenluber Rd (W Cogswell).

There were a few (probably 2-3) **Upland Sandpiper** found along Pumping Station Rd during June (B Moul, PR, D Siefken), but the new houses being built in the hayfields, the early mowing of the hayfields that are left, and the Civil War re-enactment activities in the area, are making it very difficult for the Upland Sandpiper to continue to find homes and raise young in this area.

Yellow-billed Cuckoo were reported, but there was no Black-billed Cuckoo. A **Chuck-will's-widow** was heard at dusk on 5/8 (J Clarke) along Stone Jug Rd, but was not found again. The information has been submitted to the PORC. One **Loggerhead Shrike** nest was found this year (DS). Last year, three nests were found. **C. Raven** are now nesting at one location.

A nice sized flock of 50 **Am. Pipit** was found 4/23 at a golf course along Mason-Dixon Rd (RR), and a rather large flock of 100 or more **Cedar Waxwing** was found 5/21 at the Gettysburg National Military Park (J Wenberg).

Among the 29 spp. of warblers reported were 18 sp. that visited the Kennel's back yard water garden: 7 **Nashville**, 11 **N. Parula**, 19 **Chestnut-sided**, 9 **Magnolia**, 19 **Black-throated Blue**, 39 **Yellow-rumped**, 23 **Black-throated Green**, 11 **Blackburnian**, 5 **Pine**, 13 **Bay-breasted**, 17 **Blackpoll**, 7 **Cerulean**, 14 **Black-and-white**, 23 **Am. Redstart**, 16 **Ovenbird**, 5 **Kentucky**, 7 **C. Yellowthroat**, 16 **Canada** (A Kennel). There was a **Mourning Warbler** found at SGL on 5/15 (PR). The warbler migration seemed to have ended by 5/20.

A bird that was probably a male **Black-headed Grosbeak** paid a brief visit to a feeder in Gettysburg on 5/5, but stayed only a few minutes – not long enough to be photographed (J&N Locher).

Two **Blue Grosbeak** were found – 1 on 6/9 along Oxford Rd (PR) and 1 on 6/22 on Mason-Dixon Rd (PR). **Orchard Oriole** were found two places – a pair were at SGL on 5/7 (R Koury, PR), and one was found 6/9 along Dicks Dam Rd (PR).

Allegheny County

The spring migration held many surprises. The rare birds did not remain in the area for long, so those fortunate enough to record them were often the only observers to see them.

A single **C. Loon** was observed flying over at Frick Park (FP) 4/28 (S Solomon). A **Red-necked Grebe** was an

excellent find at Harmarville 4/17 (J Valimont). A **Great Blue Heron** rookery on Big Sewickley Cr. along the *Allegheny/Beaver* border continues to be active. Eleven nests were visible on 5/28 (P Brown).

A **Redhead** lingered at North Park (NP) until 5/8 (PB). **Ruddy Duck** were in unusually good numbers with a high of 105 at the Highland Park Bridge (HPB) on the Allegheny R. (AR)(S Kinzey), 34 at Verona (SK), 17 at Tarenturn (R Protz), and 12 at Imperial (IMP) (W&D Shaffer) all on 4/20. A **Bald Eagle** was observed soaring at Harrison Hills Park (HHP) 4/3 (PH). A **Wilson's Phalarope** was another excellent find at IMP 5/14 (J Hoffman, M Kern).

Herring Gull continue to nest on the AR at the HPB where six nests were observed (three of the nests appeared to be abandoned, apparently not producing young). Three nestlings were produced from the remaining nests, and an adult was observed incubating 7/1 (PB). The colony on the Ohio R. (first reported last spring) had two nests. On 6/3 one nestling was observed (PB). A high count of 18 **Bonaparte's Gull** was at Blawnox 4/11 (SK). Another great bird was a **Black Tern** observed at IMP 5/6 (C N, NH). A group of five *Sterna* terns were seen along the AR following thunderstorms on 4/20-22 (RP, SK).

Almost unheard of in the county, a **Prothonotary Warbler** was seen at a small pond in NP 5/14 (M Scanlon, JH). Unfortunately, it did not remain in the area very long. Other interesting warblers included **Orange-crowned** and **Mourning. Yellow-rumped** lingered until 5/27 (K Behrens). A **Worm-eating** lingered at FP during May, perhaps setting up a territory. **Worm-eating** breeding sites in Sewickley went unreported this spring. A **Brewster's** was an interesting find at Pleasant Hills Arboretum 4/27 (S Sinderson).

Unusual were 4 **Rusty Blackbird** at HHP 4/3 (P Hess). **Blue Grosbeak** could not be located at IMP for the second year in a row.

Armstrong County

The highlight of the season for local birders began with a phone call from Mike Mazzocco with the Corps of Army Engineers, who had spotted a **Sandhill Crane** while on his rounds near Dayton on 6/11. He had talked to the landowner who informed him that 2 birds had been present "a month ago," but lately he had only seen the one. A trip to Dayton yielded the crane on 6/12 (M Higbee, R Higbee), and the bird was photographed by RH and subsequently by John Fedak. The crane was still present 6/30 (JF) and seen by numerous observers between 6/12-30 (S Bastian, JF, B Fetterman, Jed Fetterman, T Fetterman, D Jacobs, J Jacobs, F&J McGuire et al.).

More data for Armstrong are needed. The bulk of this report was compiled from BBS and GBS routes.

Beaver County

Birds of more northern climes found included **Red-breasted Nuthatch** and **Golden-crowned Kinglet**. A **Black Tern** was seen foraging over a strip mine pond in the NW corner of the county on 5/20. There were also 4 late **Gadwall** in a nearby pond on the same day.

Bedford County

On 4/6 Rosie McGinnett writes: I was using my binoculars, and observing 2 **Tree Swallows** fighting. All at once, a kestrel swooped down and grabbed one in mid-air. He flew to a fence post and ate it. On June 8, she said the kestrels left their nesting box. Rosie & Clyde McGinnett moved to Erie in June, and *Bedford* has lost two of its most faithful bird observers.

Berks County

It rained **loons** on two wet April weekends, with 1 **Red-throated** and 91 **Common** at L. Ontelaunee (LO) 4/11 (R Keller), plus 76 Common at Glen Morgan L. (GML) (K Lebo). On 4/18, there were 118 Common at Blue Marsh L. (BML) (H&J Silagy), 75 at LO (H Lebo), 16 at Kaercher Cr. Park, Hamburg (K Grim) and 5 at GML (KL), plus 9 **Horned Grebe** at LO (M Spence). An adult **Eared Grebe** in full breeding plumage was at GML 4/10-22 (KL, B Urich, m.obs.). The only previous record is a hypothetical winter-plumaged bird at LO 3/28/82 (George S. Scoufalos). **Pied-billed Grebe** nested again at GML.

An **Am. Bittern** flew over Bechtelsville 4/24 (RK) and 1 was at LO 4/28 (BU). The only **Least Bittern** was reported at BML 4/18 (J Eckert). None was found at GML on 9 evening visits (KL). Two **Snowy Egret** at LO 5/22 (HL, BU) were only the third spring record. A breeding plumaged **Glossy Ibis** was closely studied near Eckville 5/1 (K Bildstein, M&M Bailey). About 6:00 p.m. 5/8, 2 Glossy Ibises flew into tall grass in a wet pasture near Bowers (P Saenger) and were not seen again till they flew out headed west 2 hrs. later (KL, PS).

A family of 6 **Snow Geese** stayed at a dairy farm on Rt. 143 north of Virginville all quarter. One of the adults had a wounded wing and may have been unable to migrate (RK). A **Barnacle Goose** (probably an escape, given the timing) was at Gotwals pond, Oley, off and on 5/8 (RK) to 5/28 (HL). A **Mute Swan** pair at LO raised 2 of the 4 cygnets that hatched (MS). **Ruddy Duck** peaked at 150 at GML 4/10 (RK) and a pair was still there at the end of June, but no young (KL).

A **Red-shouldered Hawk** was heard calling in June and July near Eckville (J Brett), and 1 was calling in the Pine Swamp, French Cr. SP 7/4 (RK). There was only one confirmed nesting in Berks during the atlasing years. A **Mississippi Kite** (*2nd county record* and a first for HMS) was seen near the Pinnacle from North Lookout 5/11 (A Koch). A pair of **N. Goshawk** nested in a hemlock grove on private property near Eckville (JB). The pair was first noted 6/3, and was defending the nest grove 6/15. On 6/19, the nest containing a single chick was located about 30' up in a hemlock as the female flew around calling vociferously. The chick fledged about 6/25, and was seen flying across a nearby meadow with its parents 6/27. Though there have been a few tantalizing summer sightings over the years, this is the *only confirmed nesting in Berks* since Brett and Seth Benz observed (and were attacked by) a pair that raised 2 young at nearby HMS in 1980.

Details about the **Black Rail** (*1st county record*) in Albany Twp 5/17-6/2 are covered separately in this issue. Few rails were heard on 9 vening trips at GML this year. A **Virginia Rail** was heard 4/30 and 5/11, and a **Sora** 4/22-5/11 (KL). Another Sora was heard at the Black Rail site 4/21 (M Monroe). A **C. Moorhen** was at GML 5/15-6/13

(m.obs.). At the end of June, only 5 **Am. Coot** were seen at GML (KL), down from last year.

Receding waters due to early drought exposed much mud at LO, leading to many more spring shorebird reports than usual. Birders recorded 13 spp.; the most unusual was a **Red Knot** in partial breeding plumage at LO 6/12-14 (HL, m.obs.), the first spring record. **Bonaparte's Gull** came down in the rain with the loons. High counts were 92 at LO 4/11 (RK), 96 at GML 4/12 (KL) and 82 at LO 4/25 (RK).

A **Barn Owl** was on eggs in a silo near Daniel Boone Homestead 4/26 (RB, BU). A pair of **N. Saw-whet Owl** was calling at SGL-110 6/27 (MS, BU). The only **Whip-poor-will** report was of 1 near Geigertown 5/24 (J Hastie). This is the only area south of the Kittatinny Ridge where Whips have been reported in the breeding season in this decade. **C. Raven** were seen along the Kittatinny Ridge 4/25-6/20 (KG, JE). Similar annual reports lead to speculation that they must nest somewhere on the ridge in *Berks* or *Schuylkill*. **Red-breasted Nuthatch** were seen all quarter at Green Hills L., where they have nested (KL), and 6/25 at BML, where breeding was suspected last year (HJS).

Two **Marsh Wren** were found in the phragmites at GML 5/8 (KL). A **Winter Wren** thought to have wintered in District Twp started singing daily 4/18. Song intensified in May, with the bird sometimes singing for an hour at dawn from the tip of a 70-ft. tulip tree, a speck filling the woods with song. He did not attract a mate, and singing diminished in June as he moved further afield, last heard a quarter mile away 6/22 (RK). There have been several other reports of territorial males off the Kittatinny, but nesting has never been confirmed south of there. A **Ruby-crowned Kinglet** that came to a Leesport feeder for fat all winter was last seen 4/6 (D Kendall). **Gray-cheeked/Bicknell's Thrush** sightings included 1 at SGL 5/15 (KG) and 2 at Robeson Res. 5/16 (KL). An early **Swainson's Thrush** was at BML 4/18 (K Knight, HJS) and an extremely late one sang in a yard near Strausstown for a few days around 6/21 (C Cravotta).

Most early **Palm Warbler** were "Yellow" but a "Western" was seen 5/8 (MS). Single **Canada Warbler** were found during a SAP survey at two places in French Cr. SP at the southern tip of *Berks*, Six Penny Cr. 6/20 (RK) and Pine Swamp 6/27 (L Lloyd). The habitat is deciduous shrub/ sedge swamp containing swamp azalea, highbush blueberry, winterberry, alder, swamp rose and chest-high royal fern, cinnamon fern and tussock sedge. Nesting was not confirmed, but Canadas nest in this type of habitat further north. Several were found in similar habitat during the June bioblitz near the *Dauphin/Lebanon* line. In *Berks* they have been confined to the Kittatinny Ridge in the Valley and Ridge Province and have never been found nesting in the Piedmont. More field work is planned next year. At least 2 pairs of **Swamp Sparrow** with fledged young were in the Pine Swamp, FCSP 7/4 (RK). Female **Blue Grosbeak** were seen around BML 5/14, 15 (HJS), and singing males were near Bernville 6/6-8 (SS) and Albany 6/27 (RK), but still no nesting confirmation.

Thanks to the well publicized EagleLink hotline sponsored by the *Reading Eagle-Times* two rarities that would otherwise likely have gone unreported were seen by at least some local birders, and one of the birds was documented with photos. A ♂ **Dickcissel** visited the feeder

of Scott and Kelly Sorrick near Bernville 2/14-4/22. Scott reported it to the hotline near the end of its stay, and several local birders saw it (HL, KL, HJS, et al.). A **Painted Bunting** (photo) was mentioned in the last issue. In both cases, the lucky feeder owners were backyard birders who weren't in touch with the local birding community.

Bucks County

Highlights include: A **Chuck-will's-widow** was heard along the Delaware near Rohm and Haas on 5/ 27 (G Carmichael). This is the 4th county record. A ♀ **Summer Tanager** was at Chalfont on 5/6 (R French) and a ♂ was at Peace Valley (PV) on 5/8 (D Farbotnik, R French). These are the 7th and 8th reports for the county. A **Clay-colored Sparrow** was in a field on Richlandtown Pike south of Thatcher Rd on 5/13- 15 (M Rutbell, W Whitelam). This is the 6th report.

Nesting highlights: A first attempt at nesting by **Double-crested Cormorant** in the county was made at PV, including nest building and sitting on the nest (RF, A Mirabella). It is not known yet if there were any eggs but no young have appeared. **Mute Swan** were reported nesting at Penn Manor on 5/ 3 (GCI). There has not been a report of successful nesting and fledging of young for this species in the county. The **Osprey** returned to the nest site on the Delaware R. at the lower end of the county (D Long). A **Brown Creeper** was reported nesting at Revere 5/13 + (S Farbotnik).

Other highlights: **Snowy Egret** (3) were reported on 5/ 8 on the NAMC and on 5/16 on the Birdathon. A **Cattle Egret** was reported on 5/13 at Van Sciver L. (G Dewaghe). There were several late reports of **Snow Geese** 5/21 & 6/7 at Perkasio (H Rufe) and 6/20 on the Delaware R. (DL). Two **Bald Eagle** have been reported all quarter at Bristol (GC); they have been staying at Burlington Is., N.J., but their territory includes the Pa. side. A **N. Goshawk** was at Kintersville on 4/14 (B Friederman). Several **Merlin** were reported, at Revere on 5 /4 (SF), plus 2 reports on the NAMC.

There were four separate reports of **C. Snipe**—4/17 at Pine Run (K Reiker), 4/25 at Lower Makefield (DL), 5 / 8 at Solebury (A&J Mirabella, K Kitson), plus an added report on 5 / 8 on NAMC. **Bonaparte's Gull** were reported at PV from 4/3 to 5/8 (AM, KR). **Iceland Gull** were found on 5/8 on NAMC and 5/16 on the Birdathon. A **Forster's Tern** was at PV on 5/8 (KR). **Black Tern** were on 5/8 on NAMC and 5/13 at Van Sciver L (GD).

A **Red-headed Woodpecker** was reported again at Revere from 4/1 to 5/5 (SF). **Olive-sided Flycatcher** were at PV 5/10-11 (C Crunkleton, D McClintock, AM), and at Revere on 5/17 (SF). **Acadian Flycatcher** were on 5/11-29 at PV (AM), 5/16 on the Birdathon, and on 6/20 at L. Towhee (G & K Campbell). **Least Flycatcher** were on the NAMC and 5/16 Birdathon.

The **Yellow-rumped Warbler** seemed to be everywhere for NAMC on 5 / 8 and 2911 were reported. There were late sightings for **White-throated Sparrow** 5/29 at PV (RF), and for **Dark-eyed junco** 5/ 7 at Levittown (GC). **Rusty Blackbird** seemed to be widespread and reported 4/5 at Perkasio (HR), 4/7 at PV (KR), 4/11 (7) at Revere (SF), and 5/7 at Chalfont (RF).

Butler County

Noteworthy species included at least 5 **Great Egret** at various places; 3 **White-winged Scoter** at L. Arthur (LA) 4/17 (S Kinzey); an **Oldsquaw** at LA 4/26 (M Williams); a sub-adult **Bald Eagle** at Glades 4/20 (S Butcher, R Crawford); 8 **Sandhill Crane** at Slippery Rock Twp 4/28 (G Wilhelm); 4 **C. Moorhen** on the NAMC (compiled by GW); an **Olive-sided Flycatcher** at Moraine SP 6/6 (P & D Hess); a continuing colony of at least 4 **Marsh Wren** at LA (GW); 2 **N. Mockingbird** at Glades (GW) and 1 at Moraine (B & G Dean, C Gonzalez); 2 **Orange-crowned Warbler** at Wolf Creek Narrows 5/8 (GW); and a lone **Pine Siskin** in a goldfinch flock on the NAMC.

Breeding news was especially interesting: A record 3 **Osprey** nests were active in the third year of breeding at LA, but 2 of the pairs lost all their unfledged young to an unknown predator, perhaps a Great Horned Owl. Meanwhile, an Osprey pair built a nest on a platform at Glades in April but soon abandoned it (SB, RC), perhaps reflecting the species' frequent behavior in a first breeding attempt. Two young hatched in the Glades **Bald Eagle** pair's new nest built with human help after a storm blew down their tree last year. Two **Brown Creeper** nests were found again at Slippery Rock (GW), site of the county's 1st breeding record last year. Several possible breeding cases were reflected by a **C. Merganser** pair for another year at Wolf Creek Narrows (SB, L Wagner); an **Upland Sandpiper** pair at Marion Twp 6/1 (SB); a late **Golden-crowned Kinglet** at Glades 5/30 (SB, RC), where the species has previously raised breeding speculations; and a late **Northern Waterthrush** at a Slippery Rock Twp pond 5/30 (SB, RC).

High numbers: Bad weather downed 2000 **Ruddy Duck** and 16 **Caspian Tern** at LA 4/23 (D Yovanovich). Other tern max. were 15 **Common**, 6 **Forster's**, and 3 **Black** on the NAMC. **Whip-poor-will** were a decent NAMC tally by recent years' standards. Three colonies totaled 139 **Purple Martin** (GW), as they slowly but gratifyingly increase in the county. The NAMC also posted fine counts of **Belted Kingfisher**, **E. Kingbird**, **Tree, N. Rough-winged**, **Bank** and **Cliff swallows**, **Yellow-rumped** and **Cerulean warblers**, **Am. Redstart**, and **Orchard Oriole**.

On the downside: Only 2 **Virginia Rail** and 1 **Sora** were listed, and just 2 **Red-breasted Nuthatch**, 1 **Philadelphia Vireo**, 2 **Gray-cheeked Thrush**, 1 **Golden-winged Warbler**, 1 **Worm-eating Warbler**, and 1 **Mourning Warbler** were reported – while **Cape May Warbler** was missed altogether.

Cambria County

Not to be outdone by Judy John's discovery of breeding **Dark-eyed Junco** at Beaverdale Camp, John Salvetti found his own on Lilly Mt on 5/27 and on 5/31 east of Dean on Wopsononock Mt, 1 with food for young. In addition, he and Dave Gobert also saw 2 young begging for food from an adult at Prince Gallitzin SP into the third quarter.

An outing by JS and DG on 6/2 located another reclaimed strip area for grassland species with these totals: **Henslow's** 16; **Grasshopper** 5; **Savannah** 21; **Vesper** 5, including a nest containing 4 eggs; and **Bobolink** 2. These were found in an area comprising only ten percent of the

total grassland now referred to as Blandburg Strips.

Noteworthy was the late sighting, 6/18, at Beaverdale Camp of a **Yellow-bellied Sapsucker** (J Johns). DG was pleasantly surprised on 4/7 when a flooded field near Patton contained 16 **C. Snipe** and 8 **Pectoral Sandpiper**.

Carbon County

It was an interesting quarter. On 4/1 we had a leucistic **Black-capped Chickadee** at the feeders at Beltzville SP (BSP). A **Great Horned Owl** fell from its nest and hopped onto the back porch of a cabin. A parent continued to feed it until it went back into the nest. (It made for some great field trips for my Envir. Classes at Lehighton High School - D Hawk).

Another unusual sighting was a **Wild Turkey** on the beach at BSP that took flight across the lake, but could not make it all the way. It landed in the water about five-sixths of the way, rested, then paddled the rest!

On 6/1 Bob Frantz and I observed 3 **Whip-poor-will** and 2 were doing a courtship ritual, which we realized after doing some research on their strange behavior.

The prize, however, was a **Black-headed Gull**, which was found on 5/29 (BF, DH). We realized it was something special, took notes, and then consulted P. J. Grant's book to confirm our sighting. We also had an imm. **Bald Eagle**. What a day!

Centre County

Easily the best bird of the period was a **Lark Sparrow** at Rock Springs, which was found on 5/10 and remained throughout the period (P Rodewald). A close second was a ♀ **C. Eider** at Bald Eagle SP (BESP); unfortunately, it was only seen by one observer for a short period of time (D Bordner). Reports for both species are being prepared for submission to PORC.

An **Am. Bittern** was a good find at Toftrees Pond (D Soares, J Mollenhauer). **Black Vulture** made an appearance in the Black Moshannon SP (BMSP) area in May (J&B Peplinski) and near Rock Springs in April (PR). BESP produced a good variety of waterfowl, including **Surf** (M Heath, M Dunson), **Black** (A Norris, A&T Fuller, D Grim), and **White-winged** (R Snyder) **scoters**. A **Tundra Swan**, first recorded on the NAMC at BESP apparently moved to the nearby Curtin Wetlands and stayed there through the end of the period (RS), while a **Ruddy Duck** found at the Penn State Retention Pond in late April remained throughout the period, moulting into breeding plumage in June (PR).

A pair of **Red-headed Woodpecker** was found at Circleville Farm, but apparently did not stay to breed (PR). An **Olive-sided Flycatcher** was seen briefly at the Barrens (D Kyler, J Salvetti), while Circleville Farm and Sunset Park in State College produced **Philadelphia Vireo** (PR). The most interesting warbler reports were those of **Mourning Warbler** in the State College borough (C Angelone), Walnut Springs Park (J Dunn, MH) and Circleville Farm (PR), and a **Brewster's** hybrid in the Barrens (S Repasky). A **Henslow's Sparrow** was found near BMSP (J&BP).

Chester County

Grier Saunders and Bob Cook observed a **Pacific Loon** on Struble L. on 4/23. Both **Red-throated** and

Common loons were nearby for comparison. Details accompany this report. This is a 1st county record.

A pair of **Wilson's Phalarope** was reported by Saunders and observed by Barry and Laura Blust late in the day on 5/23. The pair, in excellent breeding plumage, were in a small pond on the grounds of what used to be an oil tank farm, just off of Route 100 in Upper Uwchlan Twp. Unfortunately the birds were not seen after.

Philadelphia Rare Bird Alert mentioned a Western Tanager as being seen on 5/9 at or near Longwood Gardens. No details were provided and the bird was not seen again.

Glossy Ibis were reported on 4/29 and 5/14, one each day. No details.

The Valley Forge Audubon Society Spring Bird Count held on 6/5 produced a **Mourning Warbler** in the *Chester* section of the park. Accompanying details from Vincent Smith and Tracy Pedersen include a drawing by Tracy.

Clarion County

N. Goshawk. First seen on 4/3, by Dale Luthringer near the Log Cabin Nature Center; nest found off Forest Dr. and 1 young banded by Earl Schriver on 5/17. On 5/25 both adults and 1 young were still present at the nest. It fledged sometime between 6/1 and 6/15. On 6/21 the female "kakked" repeatedly and dove on us suggesting the young was still nearby.

Clay-colored Sparrow. On 6/1 John Fedak found one Clay-colored Sparrow at Mt. Zion after Chris Grainer reported one earlier, 5/17. On 6/2 Fedak and his High School Ornithology Club found 2 individuals. On 6/5 Mark McConaughy and Fedak found 3 individuals, 2 carrying food to a nest, and Mark was able to document the feeding behavior with his camera. Another nest with 4 eggs was found nearby in July.

Last year's juvenile Clay-colored Sparrow, documented by John Fedak, was the 1st breeding record for *Clarion* and, Pennsylvania.. This year's record may point to the establishment of this species on our strip-mined areas.

Clearfield County

Red-bellied Woodpecker are now found throughout the state, but are still hard to find here; thus, a sighting of the species in Bell Twp was noteworthy (M McConaughy). Also interesting were reports of a **Fish Crow** and **Kentucky Warbler** near Madera (both MM), and a **Swainson's Thrush** at Parker Dam SP (E Zielinski).

Clinton County

On 4/26, Steve Bason observed 1 **Am. Bittern** at Hunter Wetlands. On 5/10, at the same location, he saw 2. On 5/27 Beth Zbegner saw an eagle of uncertain species on the river in Lock Haven.

On 4/12 was the first calling **Whip-poor-will** in Swissdale. 4/29 brought an interesting fallout of waterfowl in Lock Haven, which included 3 **N. Shoveler** and 1 imm. **Surf Scoter** (W Laubscher).

During a trip to the Tangascoac Watershed, Arlene Koch observed, among other birds, a **Grasshopper Sparrow** feeding young.

Columbia County

Spring was not as ugly as it has been the last couple of years and the daring ones who planted flowers and crops

before the "last frost date" were well ahead of those who waited. **E. Bluebird, Tree and Bank swallows**, waiters for two previous years, were more daring this year and seemed to have avoided any weather-related setbacks.

No major wave of migrants seem to have occurred: only a steady trickle from mid-April to late-May. **Hooded Merganser, Wood Duck**, and **Mallard** paraded their offspring in front of my deck in early June. I suspect they were abandoning the relative safety of their rapidly drying up swamp and seeking the more exposed neighboring creeks (Big and Little Pine creeks).

At Camp Louise (CL), bordering SGL-55 on Huntington Mt., **Dark-eyed Junco** and **Blackburnian Warbler** found the dense hemlock bottom land to their liking, although the former didn't restrict themselves to just that habitat. They nested alongside the entrance road (deciduous woods) as well as on a high ledge in one of the camp's open style buildings. Jim Montgomery reported similar behavior was observed with some of Camp Lavigne juncos.

A pair of **Sharp-shinned Hawk** started housekeeping along side the CL health care center and apparently had made too much of an investment to move elsewhere when everyday camp activities started in early June. The 5 young, exploring the boundaries of their nest tree, seemed to enjoy entertaining the many interested observers, although the parents were more furtive.

The same area also had **Whip-poor-will** and both **Louisiana** (2) and **Northern waterthrushes**, although only the former seemed to have stayed. Late May **White-crowned** and **White-throated sparrows** were not found in June.

The Doug Gross BBS route revealed **E. Meadowlark, Horned Lark, Bobolink, Vesper** and **Savannah sparrows** in the Buckhorn area. He also had an early June **White-crowned Sparrow** in his front yard, while at the same time a family of **Red-breasted Nuthatch** were frequent backyard visitors.

An adult **Bald Eagle** in the Rhorsburg area in mid-June was well viewed by Greenwood Friends School staff as it was apparently just passing through.

Crawford County

This was an exciting spring here with the rather dry and warmer than usual weather. Very good numbers of ducks in April produced excellent results on 4/4. In mid-April Tamarack L. was slowly drained (repairs to the dams at each end) resulted in much better than normal shorebirds' resting area. By the end of May there was just a small amount of water there.

A **Sandhill Crane** was noted at Hartstown Marsh 5/14 (J Miller, H Miller) and 2 on 5/20 (†M Byler). Reports of **Sedge Wren** at Erie NWR, **Brewster's Warbler** at Hartstown Marsh, and 2 N. Mockingbirds were not documented.

Cumberland County

The NAMC on 5/8 produced one of the best fallouts in the last few years. Strong thunder storms during the early morning hours, coupled with intermittent showers during the morning produced favorable conditions. Ramsay Koury and Dick Colyer witnessed one fallout flock at Pine Grove Furnace SP. As Ramsay stated, "We had well over 100

warblers in one flock, but no way did we identify all of them!" Our total was 161 spp., which is very good.

Dauphin County

Vantage points along the Susquehanna R. are ideal locations to observe migratory waterfowl in the spring. A **Red-Throated Loon** was observed from Marysville 4/2 (D Bogar) and another from W. Fairview 4/18 (R Koury, R Williams). In early April **Red-Necked Grebe** moved up the river and were first reported 4/4 (G LaBelle) while 2 were sighted 4/16 (RK, J Renninger) both from W. Fairview. From the same location **Redhead and Oldsquaw** were reported the first week of April (G Randolph) and by 4/20, the peak of this year's waterfowl migration, thousands of **Greater and Lesser scaup** and hundreds of **Bufflehead** and **Ruddy Duck** along with many other species were reported (RK). Even a **Trumpeter Swam** made a brief appearance here 4/16-28 and was observed by many.

From mid-April to mid-May **Caspian, Common, Forster's**, and **Black terns** and **Bonaparte's Gull** were also observed from this location. This is also a good location when the river is low, which certainly applies to this year, to locate migrating shorebirds. On 5/12 the following species were observed: **Greater and Lesser yellowlegs, Solitary, Least, Spotted**, and **Pectoral sandpipers** (M McConaughy).

In early May a **Tricolored Heron** and a **Cattle Egret** were sighted 5/3 (D Hoffman) from W. Fairview. The former remained through the week being observed again 5/5 (JR) and, from Marysville, 518 (DB) making it onto the NAMC list for the county. **Snowy Egret** reports from at or near Wildwood L. came on 4/14 (JR) and 5/8 (N&C Juris); while many witnessed the return of hundreds of **Great Egret** to their Wade Is. rookery. The best observation point is the front stoop at Wendy's Restaurant in Enola in early to mid-April before the island's trees leaf out.

Wildwood L. also yielded its share of interesting species. **Rusty Blackbird** were observed 4/3-4 (RW, GR), a **Marsh Wren** was discovered 5/8 (N&CJ), a **Sora** on 5/16 (RK), a **Gray-Cheeked Thrush** on 5/21 (RK, JR), and a **Prothonotary Warbler** returned 5/19 (T Smith) and remained through 6/6 (B Moul, P Robinson).

Another birding hotspot is Haldeman Is., SGL-290, although access is restricted. A lone **Snow Goose** remained to 5/1 (S Bills, RW) and **Am. Wigeon** and **Blue-Winged Teal** were present through the first week of May (SB, B Crist, S Weidensaul, RW). The shorebird tally for the NAMC on 5/8 included **Greater and Lesser Yellowlegs, Semipalmated, Least, and Solitary sandpipers**, and **Dunlin**; along with **Savannah Sparrow** and an active **Bank Swallow** colony (BC, RW). An active **Bald Eagle** nest was also observed during early May with 3 fledglings and their successful development was confirmed on 6/24 along with two broods of **Hooded Merganser** (SB). In the vicinity a thriving **Cliff Swallow** colony on the Clarks Ferry bridge continues (RW).

Reports from other locations within the county include; two **Long-Eared Owl** at their Hershey roost through 4/4 (RW), a **Blue Grosbeak** stopped at a Carsonville feeder 4/26 (J&J Funck) while an **Evening Grosbeak** lingered at a Harrisburg feeder 5/8 (T Neumyer), a **Philadelphia Vireo** was discovered in Stony

PHOTOGRAPHIC HIGHLIGHTS



Yellow-crowned Night-Heron, near Rouseville, *Venango*, 9/8/1998. Photo by Gary Edwards.



Sandhill Crane, Dayton, *Armstrong*, 6/16/1999. Photo by John Fedak.



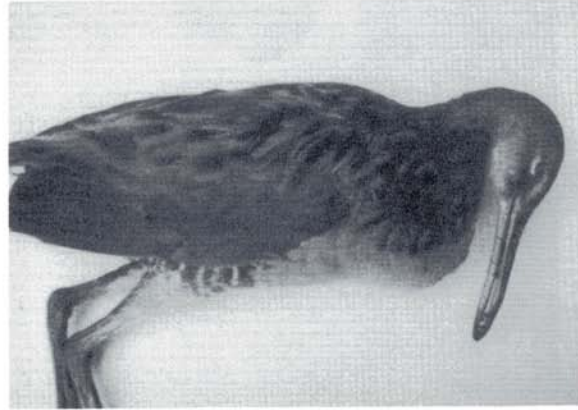
Green Heron, Hunter Wetlands, *Clinton*, 5/22/1999. Photo by Wayne Laubscher.



American Avocet, Clintonville Pond, *Venango*, 4/18/1999. Photo by Gary Edwards.



Black Rail, Albany Twp., *Berks*, 5/23/1999.
Photo from videotape by Devich Farbotnik.



King Rail, Hopewell Twp., *Cumberland*, 5/13/1999.
Photo by Dale Gearhart.



Ring-billed Gull chick from colony in Erie, *Erie*, 6/14/1999.
Photo by Gerry McWilliams.



Ring-billed Gull colony in Erie, *Erie*, 6/17/1999.
Photo by Gerry McWilliams.



Thayer's Gull, Kahle Lake, *Venango*, 4/17/1999.
Photo by Gary Edwards.



Seaside Sparrow, Washington Boro., *Lancaster*, 4/20/1999.
Photo by Eric Witmer.



Partial leucistic Chipping Sparrow, Sumneytown,
Montgomery, 4/28/1999. Photo by Kevin Crilley.



Lark Sparrow, Rock Springs, *Centre*, 5/15/1999.
Photo by Franklin C. Haas.



Eurasian Goldfinch, Mifflin Twp., *Lycoming*, 4/5/1999.
Photo by Lloyd Forcey.



Norther Saw-whet-owl, Upper Fairfield Twp., *Lycoming*, 5/30/1999.
Photo by Sandra Cox.

Valley 5/7 (TS), and a **Golden Eagle** was part of a “raptor rush” in the early afternoon of 5/8 at the top of Roberts Valley Rd (D Eagle et al.). **Brewster's Warbler** were observed by many in Stony Valley through May and a **Yellow-throated Warbler** was found in Fishing Creek Valley 5/27 (C Lickel, GR). A very late ♀ Bufflehead was located near Shelley Is. in southern *Dauphin* 6/13 (P Sabold) and remained to at least 6/18 (JR, PS). Higher than the normal number of reports for **Whip-poor-will** came in with the highest count of 14 on 5/8 in the Carsonville, SGL-210 area (J&JF).

Delaware County

Highlights for the second quarter were **Great Cormorant, Anhinga, Little Blue Heron, Glossy Ibis, Surf Scoter, Red Knot, Whip-poor-will** and **Orange-crowned Warbler**.

Great Cormorants could be found along the Delaware R. in Essington (ESS) until 4/12 (N Pulcinella). The high point of the quarter was the sighting of 2 **Anhinga** over Rose Tree Park (RTP) 4/26 (T McParland, D Washabaugh). This is the 4th report for this species since 1993. Details were submitted to PORC. A **Little Blue Heron** was seen in Darby Twp 4/25 (J Miller). There was a large flight of **Snow Geese** over the county 4/3, with as many as 3000 observed flying over Prospect Park (JM). A single **Snow Goose** was observed sporadically through 6/15 near Darby Cr. (DC) (JM). A very good find was 6 **Surf Scoter** 5/8 along the Delaware R. at ESS (D McGovern, C Hetzel). This is only the 4th county record.

A hawk watch was conducted at RTP with some good results. Peak count for **Osprey** was 4/17 with 15 birds. **Broad-winged Hawk** peaked on the same date with 674 birds. A total of 1463 Broad-wings was recorded for the season. In addition to the large number of hawks recorded at RTP, 72 **C. Loon** were observed passing the hawk watch.

Another attempt was made to monitor the northbound shorebird flight that passes over the county from the Delaware Bay. On 5/29, 1000+ shorebirds in 8 separate flocks were observed flying past RTP. The flocks are comprised of mixed shorebirds both medium and small sized birds. This year most flocks were too distant to obtain a positive identification, but on 5/31 a flock passed directly overhead and 30 **Red Knot** and 3 **Black-bellied Plover** were observed among the smaller shorebirds (A Guarente, S Johnson, TM, NP, DW, J Lockyer). **Bonaparte's Gull** were noted both at ESS 4/12 (NP) and Media 4/17 (AG). A **Whip-poor-will** was heard at Indian Orchards, 5/5 (N Bernhardt). An **Olive-sided Flycatcher** was seen at Ridley Creek SP 5/8 (CH, DM). **Cliff Swallow** were found nesting for the first time in Edgmont Twp, 6/3 (B Bodine).

Thirty-two species of **warblers** were found. Noteworthy birds were a single **Orange-crowned** 4/13 near the Philadelphia Airport (JM); 90 **Yellow-rumped** at Haverford College, 5/5 (SJ); 60 **Palm** at Tyler Arboretum, 4/17 (AG); and a **Cerulean** at the Darlington Tract, 4/27 (DM). Both **Worm-eating** and **Black-and-white** were found through June at RCSP. A late **Am. Tree Sparrow** was at PHL, 4/17 (AG). **Lincoln's Sparrow**, an irregular migrant, was found three times 4/27 in Media (JL); 5/6 at Smedley Park (NP); and 5/9 at PHL (AG). Single **White-throated Sparrow** lingered at feeders in

Swarthmore (H McWilliams) and Lester (R Miller) through June. A single **Blue Grosbeak** was found at PHL, 5/9 (AG). A pair of **Bobolink** were noted at DC through June (JM, NP) but breeding could not be confirmed. An early **Orchard Oriole** was at RTP, 4/24 (DW). 183 species were found during the quarter.

Erie County

The first major movement of passerines was detected by birders on 5/5 when 20 spp. of warblers was recorded. A movement of about the same magnitude occurred again on 5/11, followed by another to a lesser degree on 5/17. Some early migrants remained well into double digits to the third week of May, including **Nashville, Yellow-rumped, Black-and-white,** and **Palm warblers**.

The most notable event of this reporting period was the discovery of the 1st *successful nesting of Ring-billed Gull* in the state (see article elsewhere in *Pa. Birds*).

Elk County

On 5/8 Dick Horsey saw a leucistic **Am. Robin**. The black feathers were white, but the orange and brown feathers were still orange and brown. Also on the same day he saw 2 **Solitary Sandpiper, E. Phoebe, E. Kingbird, Nashville Warbler, Black-throated Blue Warbler, Ovenbird,** and an **E. Towhee**. On 5/28 he reported 1 **C. Nighthawk** and 2 **Chimney Swift**.

On 4/19 Frank Hughes saw 13 **Horned Grebe** at the Ridgway Res and on 6/3 a **Yellow-bellied Sapsucker** along the Clarion R.

On 5/28, Carl Schneider had 3 juv. **E. Screech-Owl** in his nest box. All 3 fledged without any problems.

Fayette County

A real surprise was 7 **Black-crowned Night-Heron** seen independently by Mark McConaughy and Walt and Dana Shaffer at Mill Run Res. 4/8. A ♀ **C. Merganser** was observed with 7 young on the Youghiogheny R at Ohiopyle SP (OSP) 6/20 (RG, SG). This must be a *first confirmed breeding record for the county, and for Southwestern Pennsylvania*.

A **N. Goshawk** was a nice find at Farmington 4/19 (WS, DS). The bird was perched on a power line next to the road.

Cliff and Barn swallows continue to nest on the bridges at Mill Run Res. and OSP.

This year a new SAP has begun at Quebec Run Wild Area in the southern part of the county. **Canada Warbler**, as well as good counts of many other species, have been recorded at the site (B Hintze).

An astonishing record was a ♂ **Painted Bunting** seen just outside of OSP 5/4 (J Hoffman, M Fialkovich, E Partridge). It was perched on a wire singing and was observed chasing a male **Indigo Bunting**. The bird could not be relocated after that date. To the best of my knowledge this was a *first county record*.

Forest County

A **C. Raven** nest site was occupied for the 28th consecutive year (T Grisez). A **N. Goshawk** nest was found with 1 adult and 1 chick on 5-18 (M Buckwalter).

There was a report of a **Black-crowned Night-Heron** at Beaver Meadows on 5-18 (MB). An adult **Bald**

Eagle appeared to be on nest through 4-8, then was observed several times-on the edge of the nest or nearby in the same tree. (4-9, 4-13, 4-19, 4-21, 4-25, 4-27, 4-28). An adult and 2 eaglets were seen at the nest on 5/3. Two young were observed perched on the edge of the nest on 5-21, and an adult was nearby in the same tree. Foliage obscured the nest shortly thereafter (FM, JM).

Franklin County

Warbler spp. were good, but the numbers were down. Two interesting birds were found along county roads. One was **Virginia Rail** found near Chambersburg. The other was a **King Rail** found just across the county line in *Cumberland* († K Gabler, ph. D Gearhart).

Fulton County

Some late spring lingers included **Horned Grebe** near Forbes Road High School (FR) 5/8; **Great Egret** on Licking Cr. at Harrisonville 5/22; and a **N. Harrier** at Amaranth 5/8. On 4/22, Pulpit hawk watchers counted 125 raptors, including **Bald** and **Golden eagles** (H Taylor). The 5/22 **Red-shouldered Hawk** sighting at Wishart Swamp (WS) could indicate a possible territorial individual. This species was not recorded here during the PBBAP.

Last year's creation of the Haines-Seville Wetlands Restoration Area (H-S) was home to this year's creation of baby **Tree Swallow**, **E. Bluebird**, **Green Heron**, **Wood Duck**, and **Canada Geese**. It also offered the county's first legitimate shorebirding area. Seven shorebird spp. were noted, with several indiv. staying into late May. High count highlights included 16 **C. Snipe** 4/17, and 4 **Least Sandpiper** 5/21. Harrisonville, just two miles north of the wetlands, still is the county's most accessible area to watch displaying **Am. Woodcock**. In fact, sometimes the males have been observed flying directly above Rt. 30 (M Newall). Fortunately woodcock roadkill has not been recorded yet!

Other avian tidbits: Both **cuckoo** spp. were scarce. A nighttime backroads journey in Union Twp noted a heavy flight of 24 **Whip-poor-will** on 4/30. **Am. Pipit** flocks were recorded at FR 4/1 (65), and Buck Valley 4/23 (13) in fresh-plowed fields. 26 warbler spp. were reported, with the best early waves on Ray's Hill near Amaranth. Eight singing **Black-throated Green Warbler** were noted 5/22 at WS. Subsequent trips in late June found the warblers still present. Noteworthy since it was not found during the PBBAP here. On 5/6 a 50-acre field along Papertown Rd (Amaranth) hosted **Horned Lark**, 9 **Grasshopper**, 4 **Vesper**, 2 **Savannah**, 6 **Song**, 1 **Field**, and 2 **Chipping sparrows**.

Greene County

The **Pine Warbler** (*1st county record*) was first heard around 0800 on 6/10 here on the farm while I was watering some evergreen seedlings (because of the dry weather). I immediately knew it was not a **Chipping Sparrow** as I hear them every day (perhaps 30-50 pairs) and they nest here on our Christmas tree farm every summer. The song was quite distinctive as I have heard them during past years in W. Va. At the Brooks Bird Club Forays (6 different Pine Warblers were heard this year near Spencer, W. Va.). The *Greene* bird was singing in a 30' Jack Pine (*pinus banksiana*). I did not have binoculars but could easily see the yellow breast. It sang and fed for at least 5 minutes. I

checked the same location other mornings, but new saw it again.

As for the **Golden Eagle** seen by Terry Cole on 4/10, I would presume he made the proper identification. Terry is a retired school teacher, has always lived in the country and should know a Golden Eagle.

Huntingdon County

1-2 **Red-throated Loon** were at Perez L. 4/4-11 along with varying numbers of **C. Loon**. An unusual sighting was 5 **Double-crested Cormorant** on the Juniata R. near Petersburg in mid-June (N Bolgiano). Another unusually late bird was a **Great Egret** near Huntingdon on 6/3 (D Kyler). A likely breeder in the county appears to be **Hooded Merganser** reported again this spring frequenting a Wood Duck box near Perez L.

For the first time, **Bald Eagle** nesting was confirmed by the PGC at L. Raystown with successful fledging of an eaglet in early July. At the Tussey Mt hawk watch, D Brandes reported 27 **Osprey** 5/7 and 500 **Broad-wings** 4/23. In addition to the usual **yellowlegs** and **Solitary** and **Spotted sandpipers**, less commonly noted sandpipers included 2 **Semipalmated** 5/8 at Perez L (D Wentzel), and single **Least** at Old Crow 4/25 (DK) and McAlevy's Fort 5/8 (G Grove), the latter in the company of 2 **Pectoral**. Noteworthy **tern** reports were 23 **Caspian** at Perez L. 4/17 and 5 **Black** there 5/6.

Very few **Black-billed Cuckoo** was reported but **Yellow-billed** were higher in number than in recent years. Good **Whip-poor-will** counts were obtained in regenerating clear-cuts. Also encouraging were sightings of territorial **Red-headed Woodpecker** at three locations, with pairs confirmed present at two of those places (P Rodewald, DK, GG).

Three BBS routes in Rothrock SF resulted in average numbers (records beginning in 1992) of common forest breeding species except **Great-crested Flycatcher**, which were less than half their normal number. Two **White-eyed Vireo**, not often reported in the county, were found, 1 near Perez L., the other near L Raystown (DW, DK, T Kyler, D Grove). Paul Rodewald found a **Golden-crowned Kinglet** nest near Perez L. 4/25; other kinglets were observed at Greenwood Furnace SP in mid-June (GG, L Grove).

Golden-winged Warbler continues in sparse but steady numbers at scattered locations (TK, PR, GG). Ted and Alice Fuller reported an **Orange-crowned Warbler** at Water Street 4/28. For the second consecutive year, Tim O'Connell's field work resulted in locating a **N. Waterthrush** nest near Whipple Dam SP; they were not previously confirmed breeders. Not often reported here, 3 territorial **Kentucky Warbler** were found at two locations (D Brandes, GG). A single **Lincoln's Sparrow** was at Greenwood 5/16 (GG). DK reported 1 **Pine Siskin** at his feeder at Huntingdon 4/12.

Indiana County

A **Red-throated Loon** at Yellow Creek SP (YC) on 4/23 (G Cook) was the only report of this species. Two **Black-crowned Night-Heron** flying over Indiana on 5/8 (S Graff) were unusual. A mine drainage treatment pond near Shelocta hosted a ♀ **Ls. Scaup** for several days 6/2-4 (M & R Higbee). An imm. **Bald Eagle**, first noted at YC 6/1 (A.J Haverkorn), was seen by T. Fetterman and other park

employees 6/15 and by park naturalist Linda Armstrong 6/27.

A **Willet**, seen leaving YC on 5/8 (G Lamer, G Syster) and later relocated at Twolock Res. (S Graff), was thought to be the same bird. A ♀ **Wilson's Phalarope** in alternate plumage at YC 6/22 (MH, CG, D Lauffer) was a *1st county record*; the bird was relocated that afternoon and evening and seen by multiple observers.

A fallout of an amazing 51 **Forster's Tern** at YC on 5/8 (G Lamer, G Syster) was an all-time high. Later that same evening, all but 7 of the Forster's had left, but on the beach were 1 **Common** and 2 **Black terns** (GL). Both cuckoos were in very low numbers, with only 4 reports—3 **Black-billed**, 1 **Yellow-billed**. **Whip-poor-will** were found only near Shelocta (M&RH et al.), near Creekside (J&C Resh), and at Nolo (D Syster). A **Fish Crow**, heard in the Oak Grove on the IUP campus during Feb. (SG), was found independently on 6/28,30 (J Fedak) at the same location. **C. Raven** nested across the *Westmoreland* line at Conemaugh Dam. but the fledglings ventured into *Indiana* on several occasions 5/15 (M Cunkleman et al.) and thereafter.

Red-breasted Nuthatch began excavating a cavity in our backyard near Shelocta on 5/7 (M&RH) but apparently found a better location further back in the woods as they were heard throughout the quarter but did not use that particular cavity. A new **Worm-eating Warbler** site was found near Lucerne 6/10 (M&RH).

Jefferson County

The NAMC produced a number of firsts: **Black-crowned Night-Heron**, **N. Saw-whet Owl**, **Pectoral Sandpiper** and **Least** and **Semipalmated sandpipers**. The Grassland BBS bagged an **Upland Sandpiper** and a **Dickcissel**. Lots of birds were observed moving through. Just goes to show you what can be seen if your are out birding.

Juniata County

We had an active quarter with several surprises. On the NAMC a **Surf Scoter** was on the Juniata R. (T Petersheim et al.), 2 singing **Philadelphia Vireo**, and 1 **Mourning** and 1 **Brewster's warbler**. The next day David Troyer found a **Clay-colored Sparrow** on a nearby farm; it stayed for two days.

Another young birder found a **Lawrence's Warbler** that mated with a **Blue-winged Warbler**. It was seen carrying food a number of times and we suspect they probably fledged young.

We had several reports of **Red-headed Woodpecker**, but they are barely hanging on here. After seeing 2 **Dark-eyed Junco** acting like a nesting couple, I'm convinced they nest on Shade Mt.

The 3 (2 ad., 1 imm.) **Trumpeter Swan** were a highlight. Last, but not least, we again have nesting **Barn Owl**.

Lancaster County

Highlights were a **Black-headed Gull** on the Susquehanna R. at Fishing Cr. on 4/3 (B Carl); a **Glossy Ibis** at Middle Creek WMA on 5/1 (BC); and in Rapho Twp a singing **Bicknell's Thrush** on 5/22 (R Miller, BC, E Witmer, J Book, J Joppes) and a **Black-headed Grosbeak**

on 5/7.

Highlight of the warbler migration was 27 spp. at MC on 5/8, including both **Brewster's** and **Lawrence's warblers**.

Lawrence County

Two **Eared Grebe** were on Edinburgh L. on 4/8 (C Gonzalez, B Dean).

Lebanon County

A Bio Blitz organized by the PGC on 6/4-5 in Stony Valley produced 90 spp. of birds. Participants counted every living thing in a 10 square-mile area in 24 hours. The unofficial count was 1250+. All new high counts and/or early/late dates are underlined. Some of the avian highlights included: 9 **Black-billed Cuckoo** and 35 **Yellow-billed Cuckoo** on 6/5. A **N. Saw-whet Owl** near Yellow Cr. makes it a new probable breeder. A **Yellow-bellied Sapsucker** on 6/5 was also a new probable breeder. The 14 **Pileated Woodpecker** on 6/4 was a new high, as were 48 **Acadian Flycatcher**, also 6/4. A new breeding species was added when 2 **Least Flycatcher** were found 6/4. Three **C. Raven** were reported 6/4, but no young yet. A **Red-breasted Nuthatch** found 6/4 is a probable breeder. Also, 1 **Brown Creeper** was found, a rare breeder.

20 **Solitary Vireo** and 229 **Red-eyed Vireo**, both on 6/4. On 6/4, 102 **Black-throated Green Warbler**. Another breeding species added was **Blackburnian Warbler**, when 6 were found 6/4. **Black-and-white Warbler** were 69 on 6/4. On 6/5, 55 **Am. Redstart**. Other highs were: 174 **Ovenbird** on 6/4; 5 **N. Waterthrush** on 6/5; 12 **Louisiana Waterthrush** 6/4; and 54 **Hooded Warbler** on 6/4.

42 **Scarlet Tanager** found on 6/4. The total number of breeders is now 133.

Other records include: 50 **C. Loon**, all in breeding plumage, at Memorial L.(ML) on 4/16. A new high of 47 **Double-crested Cormorant** was set on 4/25 flying over SGL-145 (SGL). We had 200+ sightings of this species this quarter. The usual number is 3-5 per year! Also a high was 18 **Great Blue Heron** at ML on 4/16. The **Green Heron** on 4/25 at SGL was a new early date.

The 4 **Am. Wigeon** at Reistville (RV) on 4/25 set a late date. Other late dates: 1 **Ls. Scaup** and 1 **Gr. Scaup** at ML on 4/25; and 2 **Bufflehead** at ML on 6/7. The 25 **Ruddy Duck** at ML on 4/16 was a new high.

Shorebirds made a good showing. A total of 81 **Least Sandpiper** was high and 3 found at Bethlehem Steel L. on 5/29 were late. **Pectoral Sandpiper** were early at RV on 4/25.

The 2 ad. **Little Gull** at ML on 4/4 were a *1st county record* as they flew around with 12 **Bonaparte's Gull** for a half-hour before leaving. **Herring Gull** set a new late date on 5/12 at SGL-145. The 12 **Barred Owl** at Stony Valley on 6/19 was a new high. Also on 6/19 were 12 **Whip-poor-will**. The **Chuck-will's-widow** found roosting on the ground in daylight at Quitty Park was a *1st county record*.

Two **Yellow-bellied Flycatcher** were calling at SGL on 5/7, where an **Alder flycatcher** was found on 5/16 (only the *2nd county record*). A **Willow Flycatcher** was also calling in the same area. A **Least Flycatcher** on 4/25 at SGL 145 was an early date.

At Grantville 1-4 **Loggerhead Shrike** were found

5/1-5, but none thereafter. A **Blue-headed Vireo** on 4/17 was early and 7 **Yellow-throated Vireo** was a new high. The 6 **N. Rough-winged** and 1 **Bank swallow** at ML on 4/9 were early. The 150 **Ruby-crowned Kinglet** at Coleman Park (CP) on 4/17 were a new high.

1 **Gray-cheeked** and 2 **Swainson's thrush** were at SGL on 5/7; 2 more Swainson's were there 5/19. There were 6 **Brown Thrasher** at ML on 4/16. **Am. Pipit** were common; 2 were at RV on 5/14 for a new late date.

A **Nashville Warbler** was at SGL on 5/19. On 5/19, 30 **Magnolia Warbler** were at SGL 145. A **Cape May** was at SGL on 5/15 and 30 **Black-throated Blue** there 5/7. A **Yellow-rumped "Audubon's" Warbler** at SGL 5/2 was my first sighting in the East. **Prairie** was found 4/28 near Palmyra and 9 were at Swatara SP on 5/1. **Blackpoll** were plentiful from 5/8 to 6/1 at Mt. Wilson. A **Mourning** was singing at SGL on 5/19. 40 **Canada** at SGL on 5/14.

High sparrow numbers: 12 **Grasshopper** at Middle Creek WMA (MC) and 8 **Lincoln's** at SGL on 5/19. A very nice **Henslow's** was at SGL in a field with corn stubble. I was walking to a hedge row when it flushed. It ran with great speed for 60 yards to the other side and started to feed. The 25 **Bobolink** at MC on 5/8 were a new high.

Lehigh County

Migrating waterfowl made a good showing in early April with 8 **C. Loon** and various duck species at Leaser L. The 5th of May appeared to be our peak warbler day, with many area reports of good numbers and 15 spp. seen. Only one report of 2 **Bobolink** (5/21) from the Leaser L area, where they can usually be found on most trips in spring. There were numerous **E. Meadowlark** and also grassland species of sparrows in the cut fields in the same area, and the Bobolink's may have been overlooked, but it's worth watching for changes in the population and habitat.

Luzerne County

Two 1st county records: A **Least Tern** was at Kirby Park (E Johnson, S Goodwin, B Wasilewski). And a **Reeve** seen at Plains Flats (+J Hoyson, J Shoemaker).

The mystery of migration was evident during the 5/8 NAMC. Participants Jim Hoyson and Jim Shoemaker made an outstanding observation while scoping through a mixed flock of yellowlegs and peeps at Plains Flats. Among the gathering of shorebirds was a Reeve. It was carefully and very well documented by the duo.

A second group, birding at Kirby Park, spotted a Least Tern flying over the Susquehanna R. The tern was cooperative as the team of Edwin Johnson, Sandy Goodwin, and Bob Wasilewski had several viewing opportunities. Moments before this find the group just relished finding an **Olive-Sided Flycatcher**.

Other uncommon birds reported 5/8 were a late **Snow Goose** (JH), a **Dunlin** at Plymouth Flats, (JS, JH), and 2 **Am. Bittern** at Lee Swamp (R Koval).

Red-throated Loon at Harvey's L. on 4/17 (B Reid); a late **C. Goldeneye** at Sylvan L. on 5/17 (BR); and a **Short-billed Dowitcher** at Plains Flats on 5/10 (JH), were also good finds. Also, 3 **Black Vulture** are being seen at Shickshinny quite regularly.

After a 60-year absence, we finally have successful nesting **Peregrine Falcon**. The Plains site produced 3 young (1 ♂ and 2 ♀♀). A special thanks goes to Bob

Wasilewski for his efforts in saving the lives of two chicks. On one occasion Bob observed the male fall from the nest. He quickly captured it. The chick was placed back on the nest by use of a bucket truck. Bob also discovered a helpless female chick that wandered onto the expressway. If not for Bob morning traffic would have surely been the end of this chick. Prompt action on Bob's part saved the lives of both chicks.

The Briggsville **Red-headed Woodpecker** was last seen on 4/3 (L. Reggie). Sightings of cuckoo species were far and few. A **Whip-poor-will** survey route that I conduct each year produced an outstanding 68 birds on the night of 5/22.

The warbler migration was not as exciting to say the least. Good numbers of **Palm** passed through. Exceptional finds were **Mourning** at Kirby Park on 5/10, (BR), and a **Yellow-breasted Chat** at Francis Slocum SP on 5/17 (BR). **Cerulean Warbler** are nesting on Oak Ridge Tops in the Bald Mt area.

PGC Grassland BBS route produced 7 **Ring-necked Pheasant**, 10 **Vesper Sparrow**, 24 **Savannah Sparrow**, 12 **Field Sparrow**, 12 **Bobolink**, 42 **E. Meadowlark**, and 17 **Killdeer**. These numbers are respectable considering early mowing of fields.

Two reports of **Orchard Oriole**: 1 at Sylvan L on 5/8 (BR EJ), and a territorial male at Conyngham.

Bob Houck reported that a **N. Flicker** nested in a recently erected kestrel box on his farm in Briggsville. The unusual thing about this is that Bob's farm has countless amounts of snags and suitable cavity trees.

Lycoming County

Noteworthy sightings included a single **Am. Bittern** on a farm pond/wetland area in Wolf Twp (W Egli). **Bald Eagle** sightings continue to increase each year, including almost daily observations of a pair on the Susquehanna R. We continue to look for nest-building activity. A pair of **Peregrine Falcon** was observed near the river in Clinton Twp on 6/9 (D Brauning); however, no nesting activity has been located thus far.

Purple Martin nesting along Warrensville Rd seems to be a rare find here (B Gilbert). Only 1 **Pine Siskin** reported, at a feeder in Upper Fairfield Twp (E&T Reish). A **Eurasian Goldfinch** on 4/5/99 in Mifflin Twp. (Lloyd Forcey).

Mercer County

It is "Osprey City" at Shenango R. Res. There are currently 3 pairs nesting there. Last year's pair returned to their nest atop an electrical tower at Chestnut Run swim beach. A new pair is using a platform at Golden Run Wildlife Observation Area, and a 3rd pair is on a platform near the Headquarter's ponds. (A **Canada Goose** nested on another platform, near the third site). On 4/24 four Osprey were in view at one time (near the HQ ponds); one chased an imm. **Bald Eagle**. On 5/28, an incubating Osprey squeaked twice and its mate appeared out of nowhere to dive bomb a **Great Blue Heron**, which was within the defended territory at the bottom of the platform. The heron just ducked, got the message, squawked and reluctantly walked away.

At Jackson Center 2 **Sandhill Crane** were spotted by Suzanne Butcher and Ruth Crawford on the 5/8 Naturthon.

On 6/10, 3 pairs of **Rose-breasted Grosbeak** were eating sunflower seed peacefully together in a fly-through feeder at Hermitage.

Due to diligent observers 30 spp. of warbler were reported. **Yellow-rumped** started drifting through 4/5, but not until 4/23 did they become plentiful. A **N. Waterthrush** found along the Harrisville BBS route near 1-80 on 6/12 was thought to be nesting. Gene Wilhelm recorded its song. **Mourning**, first found 5/9, then again 6/22,27 at same spot near Mercer, were also thought to be nesting (SB, Troyer family). And there still are **Cerulean** out there; 1 on 5/5 on Skunk Run Rd (TF), and 3 on 6/24 at SGL-130 (SB, GW).

A **Clay-colored Sparrow** stayed for one day (6/22) in an over grown pasture on Williamson Rd (TF, with documentation being sent to PORC). Three **Dark-eyed Junco** found 6/24 at SGL-130 by SB, GW were either very late or, perhaps, breeders.

Monroe County

Crows mobbing a **Great Horned Owl** attracted the attention of a **N. Goshawk** near Swiftwater on 5/19 (E Davis). Two **Barred Owl** were heard calling 5/6 on an overcast day in the Tannersville Bog (R Spotts).

The 2 **Red-headed Woodpecker** in the headquarters' swamp at the Delaware Water Gap Nat'l Rec. Area (DWG) were seen 4/18 (B Hardiman). No further report of this pair was received. A single Red-headed Woodpecker was reported from Neola in April and May (M Budroe). **Purple Martin** again occupied a house near the railroad tracks on Crystal St in downtown E. Stroudsburg (BH). This colony has been active for at least the past five years.

Ellen Davis notes the absence of **Veery** in her woods in Swiftwater for the second year in a row. On 5/14 a Monroe Co. Environ. Educ. Ctr. birding group observed a ♀ **Baltimore Oriole** collecting fluff from dandelion seed heads and adding it to her nest in a maple tree overhanging the Delaware R. at Smithfield Beach in DWG (BH). A ♂ Baltimore Oriole interrupted her work at one point and copulation occurred.

Montgomery County

Birding in the second quarter could best be described as somewhat average. Shorebird variety was above average, likely due to low water levels. While most regularly occurring Neotropical songbirds were reported, most observers felt that their numbers were low.

A single **Red-throated Loon** was reported from Green Lane Res. (GLR) on 4/10 (GA Freed), and **C. Loon** peaked at 58 in the rain on 4/11 (A Curtis). A **Red-necked Grebe** at Walt Rd., GLR was another nice find 4/10 (K Crilley, GAF). While **Am. Bittern** was missed this spring at GLR, 1 on 4/28 at Gwynedd Preserve was a surprise (A&J Mirabella). Late-moving waterfowl totaled some 16 spp., highlighted by 120 **Snow Geese** over GLR on 4/22 (GAF), an **Oldsquaw** at GLR 4/5, and 4 **Red-breasted Merganser** there on 4/15 (KC).

An ad. **Bald Eagle** spent most of the quarter at or near Church Rd., GLR, but no activity was noted at the Walt Rd. "nest site. **Broad-winged Hawk** appear to be nesting again in the Unami Creek Valley (m.obs). Our most interesting raptor report was that of a **Mississippi Kite** at

Gwynedd Preserve 5/13. While the viewing conditions (sun glare, etc) were admittedly poor, the date and circumstances make this an intriguing possibility, at the very least. Details have been submitted to PORC for review. (A&JM).

A **Virginia Rail** was heard at Church Rd, GLR 4/25 (GAF). Shorebirds were both going (Spring) and coming (Fall) during the quarter. Spring migrants included 2 **Black-bellied Plover** at Church Rd. 5/31 (GAF), **Semipalmated Plover** at both GLR (GAF) and Ft Washington SP— a first for that site (B&N Murphy), and a record early **Spotted Sandpiper** at GLR 4/9 (KC). "Fall" birds included a record early Semipalmated Plover at GLR 6/25 (AC) and 4 **Ls. Yellowlegs** there 6/30 (GAF).

Noteworthy gulls included were a flyover **Laughing Gull** at FWP 5/7 (BNM), and 2 others at GLR 5/19 (GAF). **Bonaparte's Gull** numbers at GLR peaked at a very modest 22 birds 4/20 (KC). Surprisingly, no terns were reported in the county for the period!

A high count of 12 **C. Nighthawk** flew over Church Rd. 5/21 (GAF), and a late **Yellow-bellied Sapsucker** was in the UCV 4/7 (A&JM).

Neotropical migrant songbirds overall seemed low in number. While NE winds were mentioned as a reason, at least two observers felt that over-browsing by deer was a factor at both Valley Forge NP and FWP (A&JM, B&NM). Two **Gray-cheeked Thrush** were at FWP 5/17 along with 9 **Swainson's** and a possible **Bicknell's** (B&NM). Some 29 warbler spp. were reported, including a few hard-to-find types. **Yellow-throated Warbler** appear to have nested again in the UCV. (GAF, A&JM, m.obs). This one-time rarity has become an annual visitor/breeder in recent years. More surprising was a **Cerulean Warbler** there 5/7 (GAF). This former breeding species has been completely missed here for the past several years. **Worm-eating, Kentucky**, and **Hooded warblers** were noted in the UCV, but all in low numbers (GAF). Our season's only **Wilson's Warbler** were at Del-Val College 5/13 and GLR 5/22 (A&JM, GAF).

The only **Rusty Blackbird** report was of a single bird at DVC 5/4 (A&JM), and in the "year without finches," a **Pine Siskin** was found at FWP 5/7 (B&NM).

Northampton County

Up to 5 **Great Cormorant** (3 ad., 2 imm.) were at Martins Creek in April, with 1 imm. remaining to at least 5/26 (R Wiltraut) and a flock of 120 **Double-crested Cormorant** were at the same location on 5/8 (RW). An **Am. Bittern** was at E. Bangor Dam on 5/1 (RW) and a **Peregrine Falcon** was seen flying over the Lehigh R. Natural Area on 5/4 (B Sweeney, RW). **Kestrel Research** banded a record 300+ kestrel nestlings (S Boyce, RW). 2 **Black-bellied Plover** were at the Martins Creek flyash basin on 5/8 and 3 were at Green Pond on 5/19 (RW, m.obs). 160 **Least Sandpiper** were at GP on 5/8 and a **Dunlin** was there on 5/19. Two Dunlins and 7 **Red-necked Phalarope** were at the MC flyash basin on 5/24 (RW ph.). Single Red-necked Phalarope were at the MC flyash basin and at GP on 5/19 (RW). Two **Laughing Gull** at the MC flyash basin on 5/8 provided a 1st county record (RW) and 2 more were seen there on 5/19 (B Hardiman). A **Caspian Tern** at the MC flyash basin was a first record for that location (BH) and a **C. Tern** was at Minsi L on 5/6. A singing ♂ **Prothonotary Warbler** was at Monocacy nature Center

4/17 (m. obs.). The **Clay-colored Sparrow** and "**Gambel's**" **White-crowned Sparrow** were present at MC flyash basin until 4/12 (RW).

Northumberland County

No observations received, except that of nesting **Bald Eagle** (D Brauning).

Perry County

Best bird was the **C. Moorhen** found 5/7 at Little Buffalo SP. The bird stayed until 5/9 when I saw it in the evening (a county bird for me) D Hoffman.

Since I do not get to *Perry* that often anymore, if there is anyone who is seriously interested in taking over as compiler, please let me know.

Philadelphia County

C. Loon reported on the Delaware R. (DR) 4/12 (M Sharp) and on 5/15 over Pennypack Park (PP) (M Drake). At Tincum (TI) 5 pairs of **Least Bitterns** nested (JC Miller) and on 4/11 an **Am. Bittern** was sighted (E Parnum). Cattle Egret continue to decline with none reported. A **Glossy Ibis** flew over the Southwest Sewage Plant on 5/5 (K Russell). A remarkable group of 318 **Double-crested Cormorant** flew up the DR under the watchful eye of MS.

A flight of raptors on 4/12 including **Red-shouldered, Broad-winged**, and **Am. Kestrel** was seen over Mt. Airy (MA) by S Lawrence and also over TI (S Conant). A second flight was noted on 4/17-18 by KR who also saw a late Broad-winged over Rte 76 on 5/28. On two separate occasions, 5/24 and 5/31, **Red-tailed Hawk** were found injured on the street near Independence Hall and delivered to Rehabers. An **Osprey** cruised up the DR on 4/10. **Black Vulture**, once rare in PHL, have become a regular sight over the Schuylkill Center for Education (SCEE) (J McKinney).

Peregrine Falcon update. There were 3 nests in city limits and 3 on the New Jersey side of bridges. At City Hall 3 eggs yielded one ♂ chick, fledged 5/24, but found disoriented on a City Hall sidewalk by a policeman on 6/4. Judged to be fine by Phila. Zoo vets, he was returned to City Hall roof on 6/7, subsequently seen on 6/30 and 7/20 with parents. The City Hall nest site contained the only report of **E. Meadowlark**, remnants of 2!, plus remnants of 4 **Am. Woodcock**, 2 **N. Flicker**, and a **Swainson's Thrush**. Four eggs on the Girard Point Bridge yielded 4 chicks that fledged 6/5. Benjamin Franklin Bridge saw 5 eggs laid, 4 eggs were incubated and of two birds fledged 1 was found dead.

The N.J. Turnpike Bridge produced 2 fledglings. Betsy Ross fledged 2, but 1 was found dead on the road surface. On the Walt Whitman 5 eggs yielded 4 chicks. The first to fledge crashed on the bridge, was picked up, evaluated, and returned to the family safely.

A **Virginia Rail** was found at the Municipal Services Building across from City Hall on 4/22. It was brought to Roosevelt Park and released in the lake. **C. Moorhen** numbers are at their lowest with only 4 nesting pair at TI (JCM).

A few small groups of **sandpipers** including **Least, Semipalmated, Greater and Lesser yellowlegs**, and **C. Snipe** were noted. **Am. Woodcock** at TI disappointed

numerous visitors who came for evening walks expecting to hear the "peents" and see the prenuptial dance. Several attempts on different evenings produced only one bird, a dramatic change from years' past. **Laughing Gull** were first spotted by SC on 4/8. A first year **Iceland Gull** showing symmetrical primary molt was spotted on the DR on 4/21 (MS).

A very unusual sighting for Tincum was the **Black-billed Cuckoo** seen in late April (B Handley). The first reported **E. Phoebe** was 3/31 at TI (SC), and **Least Flycatcher** appeared at 2 locations: 5/10 at Veree Rd (VR) by MD and 5/15 at TI (D McGovern). **Rough-winged Swallow** appeared over MA on 4/2 (SL). 10 **Bank** were at the Baxter Sewage Treatment Plant along the DR on 5/4 (KR, DM).

House Wren arrived at TI 4/18 (S Sherman). A **Winter Wren** seen at Carpenters Woods (CW) on 4/5 (SL) was probably not the same one MS heard singing on 5/1. **Blue-gray Gnatcatcher** appeared on 4/18 along the Upper Wissahickon (A Ingersoll).

The Wissahickon hosted lots of **Swainson's Thrushes** - 10 on 5/9, 14 on 5/21 (SL) and 20 at CW on 5/15 (MD). **Wood Thrush** at VR on 4/27 (MD). **Hermit** at CW on 4/20. SC had a **Brown Thrasher** at TI on 4/18. **C. Waxwing** turned out in force for the mulberries; 25 were seen at VR by MD and DM found 3 nesting pairs at TI.

Blue-headed Vireo appeared 4/18 at TI and 4/30 at CW. **White-eyed Vireo** at TI are always numerous. SC saw the first one on 4/22. In addition to several nesting pairs at TI, **Warbling Vireo** "have exploded and can be heard singing anywhere a road crosses a stream" (MD). Reports from the Schuylkill R. (J Stepanaskie), the DR (DM, KR).

Warblers started coming at a good and steady pace in the last week of April. Several waves in May produced numbers and variety, but no report of the hoped-for species was received—Cape May, Mourning, Cerulean, Blue-winged hybrids, etc. **Blackpoll** came early and stopped singing early (KR). On 4/6 at TI a **Palm** (SC) and an **Ovenbird** 4/18 (N Connelly) and a **Black-and-white** (SS), **Worm-eating** 4/26 (G Armistead), **N. Parula** 4/18 (AD), a lone **Prothonotary** 4/24 (B Church), **Yellow-throated** 5/5 (DM), 7 **Wilson's** at TI on 5/? (DM). Migrating **Kentucky** was seen at TI 5/9, 5/17 (SC, DM), but the only nesting pair in PHL arrived, sang for a week and was never seen again. That may be the end of our only known nesting pair.

At Shawmont JS saw **Chipping Sparrow** on 4/3 and **Field Sparrow** on 4/17. A **Savannah** appeared briefly at TI on 5/9 (SC). 8 **White-throats** were found on Temple Univ. main campus in "late May" (JMc). A lovely **Lincoln's** gave SS 20 minutes of viewing pleasure at TI on 5/2. **Orchard Oriole** took up residence at TI, where 2 nests were found (JCM). **Blue Grosbeak** continue to be scarce. At Spring Lane (SL) C Hetzel had one at his feeder on 5/13 and 1 was reported at TI on 5/15.

Last, but not least, is a nesting record for **Bobolink** in a farm field near SCEE. CH first sighted 5 birds on 5/5. After observing a male "standing watch" for 12 days, he heard what sounded like peeping coming from the ground on 6/6. The female and babies were last seen on 6/19. Only Chuck's quick action saved the field from being mowed by a conscientious farmer. Chuck hurled himself in front of the oncoming tractor just in time to spare the little birds.

Actually, the farmer was sympathetic and agreed to set aside a 2-acre plot. With good management practice and Chuck's vigilance, there will be a possibility for the birds to nest again.

Pike County

The highlight was five spp. Of shorebirds present on Big Egypt Rd. The National Park Service had drained a dam in preparation for maintenance. On 5/7 **Semipalmated, Spotted, Least, and Solitary sandpipers** and **Gr. Yellowlegs** were enjoying the flats. Also, on 6/22, while participating in the annual Delaware R. sojourn, a **Double-crested Cormorant** was perched in a tree.

Potter County

Two **Virginia Rail** were seen. Ed & Carol Syzmanik found one seek shelter in their barn at the Susquehannock Lodge on 4/25. Mary Herrold found 1 walking in a stand of hemlock on a side hill in Ole Bull SP on 5/28.

A pair of **Evening Grosbeak** visited the feeders 6/27 for one day at Betty and Mary Devlings in Galeton. Also 1 was seen by Mary Herrold at Ole Bull SP on 5/6.

Schuylkill County

We recorded 194 spp. Two **Little Blue Heron** visited, an adult at the Landingville Dam (LD) 4/18-22 (M Gamble), and an imm at Sweet Arrow L. (SAL) 5/28-30 (B Allerton, D Donmoyer). An adult **Black-crowned Night-Heron** was at Clamtown 5/8 (D Knarr). Five **Tundra Swan** visited a farm pond for a few hours at Adamsdale 5/12 (V Connor). A **Ruddy Duck** was a surprise find at the Still Creek Res. (SCR) 4/20 (D Krue).

Hawk Mt. Sanctuary had a **Peregrine Falcon** fly past the north lookout 5/8 (Staff). Two **Virginia Rail** were at the Landingville Marsh area, 1 on 4/19 (T Clauser), and the other 4/26 (B Clauser). A nice group of shorebirds was recorded during the NAMC on 5/8, included 1 **Semipalmated Plover** and a **Dunlin**, both at LVD (M Ward). **Whip-poor-will** did quite well this year at the Hidden Valley area, with at least 7 indiv. recorded between 5/8 and 5/22 (AM Liebner).

A most unusual find was a max. total of 7 **Olive-sided Flycatcher** reported at SGL-110 near Port Clinton from 5/13 to 6/5 (K Grim, D Kr). The only **Alder Flycatcher** reported was at SGL-227 near Hometown 5/29 (D Kr). The **Cliff Swallow** colony at the SCR near Hometown had a very successful year once again (D Kr). There were 4 **Gray-cheeked Thrush/Bicknell's Thrush** at Hidden Valley 5/8 and another at that location 5/10 (AML). Both **Blue-winged** and **Golden-winged warblers** were at various locations, especially SGL-110 Port Clinton, and SGL-229 near Tremont, with both F1 and F2 phenotype, Brewster's being observed at SGL-110 Port Clinton from 5/6 to 6/1 (KG, DKr). **Yellow-rumped Warbler** continued to be reported all quarter in the northern sectors of the county, with a probable breeding male heard singing at the SCR 6/26 (DKr). **Pine Warbler** are breeding at various locations, especially at the Owl Cr. watershed near S. Tamaqua, and at the SCR. were noted on various forays to SGL-110 from 5/21 to 6/5 Grim and Krue. The only **Mourning Warbler** was also at SGL-110 on 5/21 (D Kr).

A **Lincoln's Sparrow** reported to be a very fine specimen, was seen at SGL-110 on 5/20 (DKr). An **Dark-eyed "Oregon" Junco** was at Forest Hills in Pottsville on 4/1 (M W). A ♀ **Blue Grosbeak** was at Hidden Valley 4/28 (AML), and 4 adults were at SGL-110 5/17 (C Elwell). The only winter finch was 4 **Purple Finch** near New Ringgold 5/15 (DKn). The county's first record **Mississippi Kite** was reported and well- documented from SGL-227 near Hometown on 5/29. The kite was reported to be catching insects in flight, and was clearly described as being a probable immature bird.

Somerset County

There were lots of good birds this quarter! **Am. White Pelican** blew in on a storm at Somerset L. on the evening of 5/18 (PFBC personnel) and was videotaped on the morning of 5/19 (S Bastian). This was a 1st county record. **Snowy Egret** on 5/8 near Berlin was also 1st county record (J&L Payne). **C. Merganser** apparently bred with young seen in tow behind a hen at the Yough (D Jeffries).

Osprey bred with 2 young at Cranberry Glade L. and 1 at Somerset L. (A Marich). **Rough-legged Hawk** was late on 4/5 (JP). **Upland Sandpiper** did well with 9 indiv. being seen on 5/8 (J&LP). **White-rumped Sandpiper** continued the fine series of nice birds at Garret Mud Flats – 1 bird on 5/8,9 (J&LP, SB) and 1 bird on 5/22 (SB). An imm. **Black-headed Gull** was spotted at Somerset L. by Powdermill ornithologist Robert Leberman on 4/20 for 1st county record (RL, SB). At least 2 **Brewer's Blackbird** made a brief appearance near Gray on 4/4 – another 1st county record (SB). **Pine Siskin** nested once again on White Horse Mtn. as young visited the Payne's place through the summer.

N. Goshawk (JP), **Black Tern** (J&LP), **Whip-poor-will** (J&LP, SB), **Olive-sided Flycatcher** (T Fox), and **Yellow-bellied Flycatcher** (SB) were other notables during the quarter. In excess of 75 **Double-crested Cormorant**, 14 **Caspian Tern** and 50-100 **Forster's Tern** were present at that lake on 4/20 (SB, RL, J&LP).

Sullivan County

Although no major weather events influenced grounding of migrants, a good number of species and numbers were listed this quarter.

Waterfowl of several species are worth noting. **C. Loon** was present through most of the quarter, with a high of 40 on Hunter's L. 4/16 (N Kerlin), and a single bird still lingering there on 6/3 (W Egl). A late **Ls. Scaup** remained for the NAMC 5/8 near Piatt, as did 2 **Ring-necked Duck** at Hunter's L. (NK). Also at Hunter's L. on 4/16 a **White-winged Scoter** made a rare county appearance (NK). Eagles Mere L. provided a high count of 50 **Bufflehead** 4/4 as well as hosting 2 **C. Goldeneye** on 4/19 (H Remoff).

Eagles Mere L. continued to be a hotspot on 4/28-30 with the rare sighting of a **C. Moorhen** and 3 indiv. of the seldom seen **Green Heron** (HR). While the county has virtually no suitable habitat for shorebirds, a "flock" of 12 **Spotted Sandpiper** fed together at Hunter's L. on the NAMC (NK).

A **Red-headed Woodpecker** returned on 5/22 to the same area near High Knob of Wyoming SF, where a pair successfully raised young last year. It was still alone by the end of the quarter (S Conant). **Mourning Warbler** arrived

again in the same nearby locale on 5/22, with a high of 5 counted on 6/2 (SC). A **Warbling Vireo**, another seldom reported species, was in full song near Hillsgrove on 5/21 (NK).

Henslow's Sparrow made its presence known with 1-2 birds calling beginning 6/8 and through quarter's end near Shumans L. (SC). A higher representation was made by **Bobolink**, with 85 indiv. counted along a ¼-mile stretch of road at Kinsley's Corners on 6/28 (NK).

At Dutch Mt, just across the county line into *Wyoming*, the same area where **Evening Grosbeak** were confirmed nesting in 1994, a pair appeared at a feeder on 6/25. The male was observed feeding seeds to the female. Subsequent flight direction in the following days was the same heading as the believed 1994 nest (SC)! Stay tuned!

Tioga County

No species of special note. Few hawks locally, probably due to low vole population, reacting to the open winter and dry spring and summer. A **Black-throated Green Warbler** on 4/3 was extremely early (for any warbler here) (B Ross). It was heard again in the same location on 4/11. The habitat was mixed oak/hemlock/white pine woodland edge.

Union County

A ♀ **Merlin** was seen 4/25 (A&R Helbig). The bird rested for approx. 10 minutes in a large Black Walnut tree located in the middle of a hay field. They walked under the tree to carefully observe this small falcon, which was obviously not at all afraid of people.

Dan Brauning set out on 6/18 in the Naked Mt. area to find a **Cerulean Warbler**. He was successful and also found a **Magnolia** and 2 **Canada warblers**.

Cindy Davis frequently walks the Lewisburg's river walk. On 4/22 she observed 10+ large **grebes** on the Susquehanna R. and on 4/27 she saw what she believes was a **Forster's Tern** flying up river. She also saw crows mobbing a **Long-eared Owl**. The owl kept close to the trunk of the tree, but the long ear tufts were clearly visible.

The Seven Mountains Audubon Birdathon was held 5/8 despite the all-day rain. A highlight was a **Bald Eagle** sitting in the middle of a muddy field. Also seen was a **Lincoln's Sparrow**, a real treat for Dick Nickelson, whose eye is always on the sparrow.

Venango County

The spring migration was, as usual, not predictable, while most migrants were in low numbers and present only for short periods, some unusual birds did show up. The first was a 1st- year **Thayer's Gull**. The second was an **Am. Avocet**. Photos and descriptions have been submitted for review by the PORC.

A very cooperative **Red-throated Loon** in winter plumage was at Kahle L. (KL) for about 2 weeks, 4/9-24. The duck migration was short and uneventful. Highlights being 50 **N. Shoveler** at KL on 4/17 (K Goodblood, J Stanley) and 360 **Ruddy Duck** 4/18 on KL (R States). **Bald Eagle** continue to increase in numbers. Four indiv. were seen at Buttermilk Hill Nature Sanctuary on 5/16. And our nesting pair produced 1 young, for the first recorded successful nesting in the county. Our lack of any real mudflats showed in our lack of any real shorebird

migration, though the Polk Wetlands did produce 22 **Ls. Yellowlegs** (RS) and 14 **Spotted Sandpiper** on 5/8 and 20 **C. Snipe** on 4/18 (G Edwards). **Upland Sandpiper** were found in two locations, Barkeyville and Clintonville fields, but there appeared to be only one nesting pair at BF down from 4 last year. And an **Am. Avocet** was observed and photographed at Clintonville on 4/18.

A 1st- year **Thayer's Gull** feeding in a field with **Bonaparte's Gull** and **Caspian Tern** was studied and photographed near KL on 4/17 and seen again on 4/23. **Caspian Tern**, a relative newcomer to the county, were present at Two Mile Run Park from 4/17-23 (R Boyle) with up to 7 indiv. **Cuckoos** were in low numbers, with **Black-billed** being more scarce. A **N. Saw-whet Owl** was calling from the same location for approximately 3 weeks in Oil Creek SP. Unfortunately we were unable to locate a nest or young, and unable to locate the bird after 4/7.

The 1st spring record for **Yellow-bellied Flycatcher** was reported by KG and JS at BHNS on 5/14. Two colonies of **Cliff Swallow** on bridges over the Allegheny produced 94 nests. A **Bank Swallow** colony near Franklin had 300 nest holes. We believe this to represent 300 pairs of swallows because these nest holes were not present last year due to sand and dirt quarrying.

The warbler migration was short and with few individuals. **Yellow Warbler** continues to be very scarce over the whole county. Is this occurring anywhere else? A singing ♂ **Worm-eating Warbler** was present at BHNS from 5/15-31. A nice flock of 50 **Rusty Blackbird** was found near KL on 4/23-24 (JS).

Warren County

There were four reports of **C. Loon** 4/6-24 on the Allegheny R. (AR) and Chapman Dam (CD).

Four to 32 **Double-crested Cormorant** were at Starbrick (ST) 4/8-16 (D Watts, J Schultz, B Hill, C Strandburg). They were said to be regular on the AR through May near Tidioute and SY (J King, JS).

One **Am. Bittern** and 1 **Least Bittern** were at Akeley Swamp (AS) 5/15 (B Watts). A **Great Egret** was on the AR at Dunn's Eddy. A pair of **Mute Swan** nested at ST. A **Wood Duck** led 6 ducklings across Jackson Run Rd 6/5 (DW). There was 1 **White-winged Scoter** at Saybrook 4/9 (C&Marge Neel), and 4 at ST (DW). There were 6 **Oldsquaw** at ST 4/1 (JS) and 1 at Warren (WA) 4/17 (BH). There were 13 **Red-breasted Merganser** at CD 4/24 (F McGuire). Thirty **Ruddy Duck** were at ST 4/16 (JS).

There were three records of **Osprey** of one each 4/4-18. A **N. Harrier** was at AS 4/18 (DW). The last report of **Rough-legged Hawk** was 1 on 4/3 near Lander (DW). An ad. **Golden Eagle** was in Garland 6/8 (D Palmer).

One each **Virginia Rail**, **Solitary Sandpiper**, **Pectoral Sandpiper**, and **C. Snipe** were at AS 4/17 (BH, BW). Four **Gr. Yellowlegs** and 2 **Ls. Yellowlegs** were there 4/24 (BW, DW).

Fifty **Bonaparte's Gull** were at ST 4/8, and 1 in WA 4/17 (T Grisez, BH). Eighteen **Caspian Tern** were on the AR in WA 4/17 (BH, TG, MN). This is the 4th county record and by far the most, dating back to Ralph Simpson's three in 1908.

A **White-eyed Vireo** was at the Newbold Estate near Irvine 5/15 (DW).

Two **C. Raven** nest sites were occupied this spring

(TG).

A **Carolina Wren** was singing 6/29 in WA (TG). One each **N. Parula** and **Yellow-throated Warbler** were at Buckaloons Recreation Area 4/24.

Five pairs and a single **Rose-breasted Grosbeak** frequented a feeder in June near N. Warren (K Reynolds).

Wayne County

Trudy Gerlach reported 35 common species between 3/26 and 7/24, most notable was a Common Raven on 3/26.

Westmoreland County

A **Red-necked Grebe** was a good find at Beaver Run Res. 4/19 (*fide* T. Vechter). A **Least Bittern**, netted and banded at Powdermill Nature Reserve 5/8, lingered there at least through the 10th (B Leberman, B Mulvihill, m.ob.). There were 3 **White-winged Scoter** on Trout Run Res., Ligonier, 4/17-20 (B Shaw, m.obs.); and an **Oldsquaw** was there 4/20 (BS). An imm. **N. Goshawk** was in Forbes SF 6/7 (RCL). April 10 was a good early date for **Broad-winged Hawk** at PNR (BM); and the last **Rough-legged Hawk** was near there also on 4/10 (J&T Gruber). The **Sandhill Crane** at Mammoth Park 4/20 (D Lauffer) represented just the 2nd county record for the species. Three **Western Sandpiper** were at Monastery Run, Latrobe 5/15 (M McConaughy). An unusually late **Pectoral Sandpiper** was at Mammoth Park 6/29 (D Smeltzer). A **Yellow-bellied Flycatcher** was still at PNR 6/6 (A. Vitz). There was a heavy flight of **Magnolia Warbler** at PNR, where 52 were banded on 5/9 (and a total of 192 during the month). A **Dickcissel** was seen by Ken Byerly at Delmont 4/20.

Wyoming County

The most unusual record of the season was a **Lark Sparrow** which I (William Reid) saw near L. Carey on 6/22. As I often do, I went looking for birds during my lunch period. I was riding on LR1001 in Lemon Twp, about 1¼ mi. north of its junction with LR1008 at about 1:30 p.m. when I saw a bird sitting on a wire about 50' away. The wire was probably about 15' above the ground.

The first thing I noticed about the bird when I looked at it with my 7x35 binoculars was a very obvious dot in the middle of its off-white breast. There were no other markings on the underside of the bird's body. The bird turned its head sideways to one side and then the other and I observed both an obvious chestnut eye patch and the striping on the head which Peterson calls a quail-like pattern. I observed the bird for at least 5 minutes in good light and wanted to see the tail pattern if it flew. The tail was not at all observable as the bird sat facing me all the time.

Unfortunately, as I was watching for the bird to fly, about a half dozen cowbirds flew in and landed on the wire just a few feet from the sparrow. In the confusion, the sparrow dropped down into the thick grass below, and I was not able to get a look at the tail. Follow-up visits by me and by others did not produce the bird again. The area where the bird was has well over 100 acres of grasslands and grain crops, so, if the bird was still there, it could easily have escaped observation. It was unfortunate that I did not get to see the tail pattern, but the dot on the breast and the head pattern made a definite identification possible. The

only other bird of similar size with a very noticeable dot on the breast is the Am. Tree Sparrow, and its head markings are not at all like the Lark Sparrow's.

York County

7 **Red-throated Loon** were at Corderus SP (CSP) on 4/20 (P Robinson) and 100+ **C. Loon** there 4/9 (K Lippy), with 2 Common Loon on Codorus Cr. 6/11 (J Conway). The first **Eared Grebe** since 1992 was at CSP on 4/17 (KL). On 6/20 Al Spiese counted 13 nests and estimated 50+ **Black-crowned Night-Heron**.

Two **Bald Eagle** nests N of Holtwood Dam each fledged 2 young (A Crable). An **Am. Coot** was still on Codorus Cr. 6/5 (JC). An **Am. Avocet** was at CSP 4/17 (J Kolba) and another 5/8 at Menges Mills (AS, C Latterman). A **Laughing Gull** was at York Impounding Dam on 4/16 (S Wildasin, B Fortman). A **C. Tern** was found on the NAMC 5/8.

No Yellow-billed Cuckoo. A **Philadelphia Vireo** was a CSP 5/14 (PR). The **Bank Swallow** nesting area on Brunner's Is. has been eliminated, only a few nest holes found. An aggressive leucistic **House Finch** visited a feeder (AS).

Seasonal Occurrence Tables - April through June 1999

A summary of frequently reported species with arrival/departure dates and high counts

HOW TO READ THE TABLES

The species listed in the following tables represent the "expected" species in most areas. The following 26 species, permanent residents that occur in **almost** every county, are not included.

Ruffed Grouse, Ring-necked Pheasant, Wild Turkey, Rock Dove, Mourning Dove, Eastern Screech and Great Horned owls, Belted Kingfisher, Red-bellied, Downy, Hairy, and Pileated woodpecker, Blue Jay, American Crow, Tufted Titmouse, White-breasted Nuthatch, Carolina Wren, Eastern Bluebird, Northern Mockingbird, Cedar Waxwing, European Starling, Northern Cardinal, Song Sparrow, House Finch, American Goldfinch, and House Sparrow

Not all of the above are "permanent residents" in the strictest sense. Kingfishers, for example, will leave an area if all of the open water freezes up. Blue Jays migrate, but since Pennsylvania is in the center of their summer and winter ranges, they are present year round. Comments on the above species can be found in either the *Summary of the Season* or *Local Notes*.

All other reported species can be found in the *Birds of Note* section.

CODES

The codes used in the tables are as follows:

A = Present All quarter. This species was present from the first day of the quarter through the last day of the quarter. This could refer to individual birds or the species as a group.

P = Present Part of the quarter. This species was present, but specific dates are not available.

R = Permanent Resident. This species breeds and is present year round in this county.

L = Late or Low. An L after a date indicates an unusually late date. An L after a number indicates an unusually low number.

H = High. An H after a number indicates an unusually high number.

E = Early. An E after a date indicates an unusually early date.

→ = An arrow before a date indicates the species was present from the beginning of the quarter to at least that date.

An arrow after a date indicates the species was present starting with that date and through the rest of the quarter.

() = Numbers in parentheses indicate high counts for the season. No number means only 1-3 individuals or no number was reported.

***** = Something noteworthy. Comments about the record may usually be found in the Local Notes section.

sp. = Species unknown, such as Scaup.

A comma between dates indicates that the species was not present during that interval.

A blank does not necessarily mean that the species does not occur in that county, just that no reports were received by the compiler for that species.

EXAMPLES:

2/27-3/6(24)-3/30 means the species was first reported on 2/27 with a high of 24 on 3/6 and last reported on 3/30.

1/6-3/22(250)- means the species was first reported on 1/6 with a high of 250 on 3/22 and present through the rest of the quarter.

-1/5,3/15- means the species was present up to 1/5 then returned on 3/15 and was present through the rest of the quarter.

5/6- means the species was first seen on 5/6 and remained the rest of the quarter.

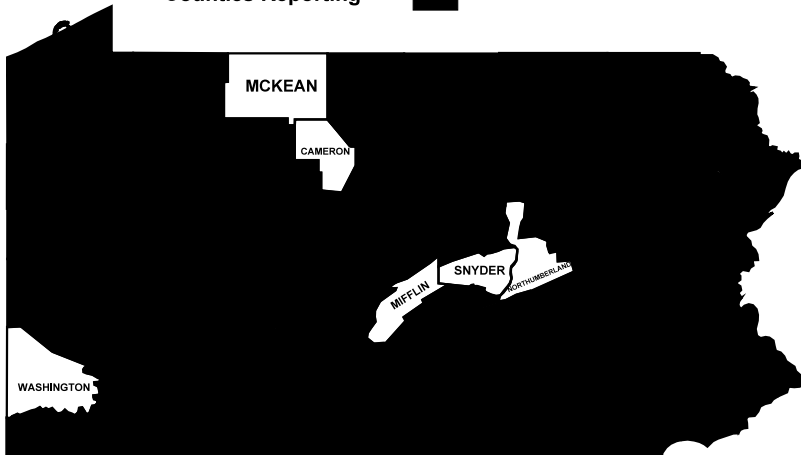
A-5/6(25) means the species was present all quarter with a high of 25 on 5/6.

9/4E means the species was reported on 9/4, which was early for this county.

1/15-2/26(300H)- means the species was first reported on 1/15, with a high count of 300 on 2/26, which was unusually high for this county. *

COUNTIES REPORTING - APRIL TO JUNE 1999

Counties Reporting



SEASONAL OCCURRENCE TABLES - APRIL THROUGH JUNE 1999

	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BRADFORD	BUCKS	BUTLER	CAMBRIA	CARBON
LOON, RED-THROATED	-	4/28	-	-	-	4/11-23(9)	-	-	-	-	-	-
COMMON	4/12-16(6)-5/13	-	→4/23	→5/3	→4/9(8)	4/3-16(214)-5/31	4/15	-	→5/23	A-4/23(34)	4/15(35)	-
GREBE, PIED-BILLED	-	→5/14	→4/23	→5/1	4/17(4)	A-5/4(14)	-	-	→5/17	→4/21(3)-5/30	A	→4/17
HORNED	4/13(3)	→4/20(7)-23	→4/23	→6/10	4/24(5)	4/3-16(9)-5/8	-	-	→5/17	→4/17(15)-5/8	→4/18	→4/10
RED-NECKED	-	4/17	-	-	-	-	-	-	4/10	-	-	-
CORMORANT, DOUBLE-CRESTED	5/6-26	→4/17(285)-5/8	-	→4/21(370)-5/4	4/17(64)-24	A-4/17(80)	4/4(5)	4/4	A	4/4-24(150)-5/30	4/14(4)→	4/13(12)
BITTERN, AMERICAN	5/4	R	A	-	4/22-24	4/24-28	R	A	R	A	A	A-5/29(6)
HERON, GREAT BLUE	R	4/17(6)	-	-	4/17(3)	4/20-6/11	-	-	4/27-5/22	4/14-5/8	4/19(3)	5/16
EGRET, GREAT	-	-	-	-	-	-	-	-	-	-	-	-
SNOWY	4/26(4)→	4/28→	4/26→	4/26→	4/11-5/11(4)→	4/7→	5/7→	5/28→	5/8(3)-16	5/8(5)→	P	4/17→
HERON, GREEN	-	-	-	-	-	4/7→	-	-	-	-	-	4/17
NIGHT-HERON, BLACK-CROWNED	R	-	-	-	-	4/22→	-	-	-	-	-	4/17
VULTURE, BLACK	R	A-4/8(11)	A	A	-	R-4/28(62)	4/17→	-	R	-	-	-
TURKEY	R	-	-	-	-	R	A	A	R	A	A	R
GOOSE, SNOW	R	-	-	-	-	→4/4(300)-6/30	-	-	→6/20	-	-	→6/5
CANADA	R	R	R-6/18(15)	R	R	R	R	R	R	R	R	R
SWAN, MUTE	A	-	-	-	-	R	-	-	A	-	-	-
TUNDRA	R	-	-	-	4/24	4/4(5)-5/28L	-	-	-	-	→4/24	-
DUCK, WOOD	R	R-5/8(7)	A	A	A-4/23(10)	A	R	A-4/4(10)	R	A	A	A-5/29(6)
GADWALL	-	→4/28	→4/28	→5/20(4)	4/3-17	→5/8	-	-	-	→4/23(20)	-	-
WIGEON, AMERICAN	-	→4/24	-	4/3(6)	4/17	→5/30	-	-	-	→4/17(10)-29	-	-
DUCK, AMERICAN BLACK	R	-	-	4/5	4/24	→5/4	R	R	R	R	R	R
MALLARD	R	R	R	-	-	R	R	R	R	R	R	R
TEAL, BLUE-WINGED	→4/20(5)	→4/18(6)-25	-	→4/26(5)	4/24(36)	→4/18(8)-5/19	-	4/30	-	A-4/18(8)	-	-
SHOVELER, NORTHERN	-	-	-	-	-	4/3(5)-12	-	-	-	→5/8	-	-
PINTAIL, NORTHERN	-	-	-	-	-	→4/10	-	-	-	-	-	-
TEAL, GREEN-WINGED	→5/15	-	-	4/5-12	4/24(11)	→4/6(18)-5/19	-	-	→4/7(5)-5/16	→4/25	-	-
CANVASBACK	-	-	-	-	-	→4/3(19)-17	-	-	-	-	-	-
REDHEAD	-	→5/8	-	-	-	-	-	-	-	-	-	-
DUCK, RING-NECKED	→4/20(22)	→4/4(4)	→4/25(4)	4/15	→4/23(8)	→4/3(70)-5/8	-	→4/8(8)	-	4/8(36)-25	-	→4/24
SCAUP, GREATER	-	-	-	-	-	→5/2	-	-	4/10	-	-	-
LESSER	→4/14(10)	→4/20(30)	→4/15	4/8(6)-29	→4/17(18)-23	→4/20(150)-5/8	-	4/30	→4/10	→5/1(37)-15	→4/16(25)-5/16	-
SCOTER, WHITE-WINGED	-	-	-	-	-	-	-	-	-	4/17(3)	-	-
OLDSQUAW	-	4/20(5)	-	4/2	-	→4/16(3)	-	-	-	4/26	-	-
BUFFLEHEAD	-	→4/20(14)	→4/19(6)-23	4/8(5)	-	→4/4(65)-5/8	4/15(5)	-	→4/25	→4/17(45)-25	→4/19(14)-30	→4/17
GOLDENEYE, COMMON	-	-	-	-	-	-	-	-	-	-	-	→6/5
MERGANSER, HOODED	A-5/4(5)	A	→4/23	→4/12(9)	4/17-23	→5/8	-	→5/15	→5/8	→5/8(27)	→5/22	→4/1
COMMON	→4/20	→4/19(5)	→4/19(5)	→4/21(6)	→4/17(62)-23	→4/4(12)-5/22	4/15	R	R	→5/8	→4/8(36)-6/6	→6/5
RED-BREASTED	-	→4/17	-	4/2	→4/17(62)-23	A-4/20(6)-5/7	-	-	→5/8	→4/13(150)-26	-	-
DUCK, RUDDY	4/20(13)	→4/20(105)	-	4/21(4)-26	→4/17(17)-23	A-4/10(150)	5/16	4/28-30	→5/16	A-4/23(2000H)	→4/18(5)-24	4/2-28
OSPREY	4/10-26	-	-	4/26	→24(9)	4/5-24(23)-6/13	-	-	A	A	→4/22	-
EAGLE, BALD	4/16	4/3	-	-	4/13	4/3-6/27	4/15	-	A	A	-	-
HARRIER, NORTHERN	R	A	R	-	4/24	4/12-5/8	R	R	→5/8	5/8	→4/16(4)	A
HAWK, SHARP-SHINNED	R	R	R	-	A	R	R	R	R	R	R	A
COOPER'S	R	R	R	-	A	R	R	R	R	R	R	A
GOSHAWK, NORTHERN	-	-	-	-	-	A	-	-	4/14	-	-	-
HAWK, RED-SHOULDERED	R	R	-	4/8→	-	A	A	-	R	A	5/22	-
BROAD-WINGED	4/22(25)→	4/13→	4/14→	4/14→	-	4/24(124)→	-	-	4/15→	4/19→	4/14→	P
RED-TAILED	R	R	R	R	R	R	R	R	R	R	R	R
KESTREL, AMERICAN	R	R	R	R	R	R	R	R	R	R	R	R
MERLIN	-	-	-	-	4/24	4/21-5/8	-	-	5/4-5/8	-	-	-
FALCON, PEREGRINE	-	R	-	-	-	5/9	-	-	R	-	-	-
BOBWHITE, NORTHERN	R	-	A	-	-	5/8-28	-	4/30-5/11	R	-	-	-
RAIL, VIRGINIA	-	-	-	5/23	-	4/30-5/11	-	4/30-5/28(4)	5/16	4/25	5/4→	-
SORA	-	-	-	-	-	4/21-5/11	-	-	-	5/8	5/4	-
MOORHEN, COMMON	-	-	-	-	-	5/15-6/13	-	-	-	5/8(4)	-	-
COOT, AMERICAN	-	→5/8	-	5/20(3)	→4/23(49)-24	A-4/10(50)	4/15(12)	-	5/29	→4/17(100)-5/12	-	→4/1(18)-10

SEASONAL OCCURRENCE TABLES - APRIL THROUGH JUNE 1999

	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BRADFORD	BUCKS	BUTLER	CAMBRIA	CARBON
PILOVER, SEMIPALMATED	-	5/14-26	-	-	-	5/7-19(13)-6/10	-	-	5/8(4)-16	-	5/20	-
KILLDEER	R	A	A-6/15(33)	A	A	R	A	A-6/7(15)	R	A	A	A
YELLOWLEGS, GREATER	4/8-28	→4/30(3)-5/29	-	-	-	→4/25(6)-5/8	-	-	4/30-5/16	4/23	-	5/30
LESSER	4/126-6/26	4/20-24(8)-5/19	-	4/26	4/23	4/22-25(9)-5/28	-	-	4/30-5/16	4/25	-	-
SANDPIPER, SOLITARY	4/26(6)-5/7	4/25-5/8(8)-14	-	4/8	-	4/19-5/8(33)-23	-	5/5-10	4/24-5/22	5/8(4)-15	5/10	5/22
SPOTTED	5/4→	4/23-24(5)→	4/28→	4/26(5)→	4/17-23	4/24-5/8(45)→	4/28→	P	4/26→	5/8(11)→	5/4-13(9)→	5/13-27
UPLAND	6/3→	-	-	-	-	-	-	-	-	5/8-6/1	-	-
SANDPIPER, SEMIPALMATED	-	-	-	-	-	5/8(24)-6/3	-	-	5/8(5)-16	5/15	-	-
LEAST	5/4-7(8)	5/1-14(5)-29	-	-	-	4/30-5/19(47)-6/2	-	-	4/30-5/22	-	5/20	-
WHITE-RUMPED	-	-	-	-	-	5/8-6/3	-	-	-	-	-	-
PECTORAL	-	→5/14	-	-	-	6/2	-	-	5/8	→4/8(13)	4/7(8)	-
DUNLIN	-	5/4-26	-	-	-	4/10-5/19(4)	-	-	-	4/2	5/13	-
SNIFE, COMMON	→5/7	→4/17(8)-5/1	-	→4/29	4/24	→5/8(3)	-	-	→5/8	→4/10(4)	4/7(16)-9	→5/1
WOODCOCK, AMERICAN	-	4/3(4)→	-	6/9→	4/4→	A	A	A-4/23(60)	A	A	A	A-4/23(3)
GULL, LAUGHING	-	-	-	-	-	-	-	-	-	-	-	-
BONAPARTE'S	-	→4/4(14)-22	4/16-20(26)-23	→4/21(8)	-	4/3-12(134)-5/24	-	-	4/3-5/8	→4/23(50)-5/12	4/14-28(23)-5/26	4/25(6)
RING-BILLED	A	→4/22(8)	-	→4/21(8)	4/17-24(50)	→5/8(46)-5/25	A	-	A	A	A-5/13(26)	A
HERRING	-	R-4/23(24)	-	→4/21	-	→5/8	-	-	A	5/8	-	A
GREAT BLACK-BACKED	-	-	-	-	-	-	-	-	→5/16	-	-	-
TERN, CASPIAN	4/16	-	-	4/18	4/17(3)	4/10-16(6)	-	-	-	4/18-23(16H)-5/12	-	-
COMMON	-	-	-	4/21	-	-	-	-	-	5/8(15H)	-	-
FORSTER'S	-	-	-	-	-	5/19-6/27	-	-	5/8	4/17-5/15	-	-
BLACK	-	5/6	-	5/20	-	5/19	-	-	5/8-13	5/8(3)	-	-
CUCKOO, BLACK-BILLED	-	5/6→	-	5/8	-	5/8→	5/9→	5/13→	5/8	5/6-8(5)→	5/27→	-
YELLOW-BILLED	5/9→	5/7→	-	5/10(4)→	-	5/8→	5/11→	5/28→	5/8→	5/8→	6/2→	-
OWL, BARN	R	-	-	-	R	R	R	-	R	-	R	-
BARRED	R	-	R	R	R	R	R	R	R	R	R	R
NORTHERN SAW-WHET	-	-	-	-	-	6/27	-	-	R	-	-	-
NIGHTHAWK, COMMON	5/18	5/10→	5/14(6)→	5/7→	5/19→	5/11→	6/3→	-	5/16→	P	-	-
WHIP-POOR-WILL	5/31→	6/2-3(5)→	-	-	-	5/24	4/29→	-	-	5/8(7)→	-	6/1(3)→
SWIFT, CHIMNEY	4/22(4)→	4/19→	5/6-6/10(54)→	4/14→	4/28→	4/17→	4/23(5)→	5/10→	4/19→	4/23(10)→	P	5/2→
HUMMINGBIRD, RUBY-THROATED	4/25→	4/27→	5/5→	5/4→	4/28→	4/27→	5/5→	5/28→	4/27→	5/8(4)→	P	5/16→
WOODPECKER, RED-HEADED	R	-	-	-	-	R	R	-	R	5/8(4)	A	-
SAPSUCKER, YELLOW-BELLIED	→APR	→4/16(5)-29	→4/14	4/5-24	→4/21	→4/26	P	4/5-5/28(3)→	R	5/5-8	→4/18(3)-6/18L	-
Flicker, Northern	R	R	A-6/12(10)	A	R-4/10(17)	R	R	R-6/7(6)	R	A	R	R
Flycatcher, Olive-sided	-	-	-	6/4	-	5/22	-	-	5/10-17	6/6	-	-
WOOD-PEWEE, EASTERN	5/8→	5/9→	5/10→	5/10→	-	5/8(15)→	5/11→	5/24-6/7(8)→	5/8→	5/8→	5/20→	5/22→
Flycatcher, Yellow-bellied	-	5/19	-	5/17→	5/21	5/7→	5/9→	-	5/11	-	-	-
ACADIAN	5/9→	5/2→	6/2→	5/6→	-	5/7→	5/8→	-	5/11→	5/8→	5/18→	5/30→
ALDER	-	-	-	6/9	-	-	5/8→	5/28→	5/11→	5/8→	-	5/22→
WILLOW	5/15→	5/20→	6/2→	5/17→	-	5/15→	5/8(4)→	5/28→	5/11→	5/8→	5/20→	5/15→
LEAST	-	4/24-5/27	5/6→	5/4(4)	-	5/8-13	5/7→	4/30-5/28(15)→	5/8→	5/4→	5/20→	5/3→
PHOEBE, EASTERN	A	A	A	A	A	A	A	A	A	A	A	A
Flycatcher, Great Crested	4/26→	4/25-5/19(3)→	5/7→	5/4→	5/24→	4/29→	4/30→	5/14-28(8)→	4/25→	5/8→	5/20→	5/13→
KINGBIRD, EASTERN	4/26→	5/18→	4/26→	4/29→	5/14→	5/2→	5/9→	4/30-5/28(5)→	4/26→	5/1→	5/13(3)→	5/15→
VIREO, WHITE-EYED	4/26(5)→	4/13→	-	5/1→	-	4/26→	5/8→	-	4/25→	5/8→	P	-
BLUE-HEADED	4/8→	4/10-24(13)→	4/20→	4/21(5)→	-	4/8E→	P	-	4/17-5/8	4/20→	4/8→	4/23(8)→
YELLOW-THROATED	4/26→	5/1→	5/10→	4/24→	5/23-31	5/5-8(16)→	5/9→	5/10→	5/8→	5/1→	P	-
WARBLING	4/26→	4/22→	6/5→	4/26→	-	4/24→	5/8(6)→	5/10-28(10)→	4/29→	5/1→	P	-
PHILADELPHIA	-	5/5-21	-	-	-	-	-	-	4/29→	5/8→	-	-
RED-EYED	5/7→	5/5-10(14)→	5/10→	4/24→	5/18→	4/29→	5/5→	5/28-6/7(35)→	4/27→	5/4→	5/6→	5/13→
CROW, FISH	R	-	-	-	4/24	R	-	-	R	-	-	A
RAVEN, COMMON	R	-	A	-	R	4/25-6/11(5)-20	R	R	-	-	R	-
LARK, HORNED	A	R	A	-	R	4/3(7)	R	R	-	-	R	-
MARTIN, PURPLE	4/14(7)→	5/14(10)-6/15	APR→	-	6/13(31)→	4/8→	-	6/26	A	4/9→	-	5/2→
SWALLOW, TREE	4/8(8)→	A	4/29→	A	A-4/17(132)	A	A	A-5/28(30)→	A	A-4/17(750)	5/20(200)→	A
NORTHERN ROUGH-WINGED	4/14→	4/22→	4/22→	A	4/23(17)→	4/4→	-	4/30→	A	4/10→	4/10→	4/29→

SEASONAL OCCURRENCE TABLES - APRIL THROUGH JUNE 1999

	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BRADFORD	BUCKS	BUTLER	CAMBRIA	CARBON
BANK CLIFF	5/13(3)	-	-	4/21	-	4/13→	-	-	5/5→	4/13(6)→	5/4-26(7)	5/6→
BARN	4/14→	4/17(16)→	4/19	4/12→	4/3→	4/12→	5/7(5)→	4/30→	4/17→	4/21→	4/27-6/16(50)→	5/15→
CHICKADEE, CAROLINA	R	R	R	R	R	R	4/15(5)→	4/6→	A	4/9(24)→	4/14→	4/3→
BLACK-CAPPED NUTHATCH, RED-BREADED	A	R	R	R	R	R	R	R	R	R	R	R
CREEPER, BROWN	→4/14	-	-	→5/28	-	-	-	-	5/5	5/8-10	-	-
WREN, HOUSE	A	→4/18(4)-29	-	A	→4/16	A	R	R	R	A	R	-
WINTER MARSH	4/25	4/13→	4/29→	4/20→	4/26→	A	5/2→	4/27→	4/24→	4/23→	5/4→	5/1→
KINGLET, GOLDEN-CROWNED	→4/8	→4/24(8)-29	-	→4/26	4/24	5/8	-	5/28→	-	5/8(4)→	-	-
RUBY-CROWNED	4/8-5/2(6)	4/6-12(25)-5/27	→4/14(20)-20	A	4/11-17(4)-5/4	R-4/4(17)	→4/25	4/19→	4/19→	→5/30L	-	-
GNATCATCHER, BLUE-GRAY	4/13→	4/17→	4/20→	→5/12(4)	4/25→	→5/8(12)	→4/25	5/28→	4/11→	4/6E→	P	4/10→
VEERY	5/7→	4/24→	-	6/9	4/21→	4/10→	4/15→	5/12-6/7(14)→	5/5→	5/8→	5/5→	5/16→
THRUSH, GRAY-CHEEKED	-	5/17-6/8	-	5/15-16	-	5/15-16	-	-	5/10-16	5/8-10	-	6/1
SWAINSON'S HERMIT	5/8-21	5/6-14(12)-31	-	5/9	-	4/28E-6/21	5/27	-	5/8-16	5/8(10)-15	-	4/24
WOOD ROBIN, AMERICAN	→5/13	4/3-16(8)-28	4/17	4/20(4)-5/12	-	A	4/4→	4/16→	→5/8	→5/8	4/18→	4/10(4)→
CATBIRD, GRAY	4/22→	4/25→	5/6→	4/26(4)→	4/23→	4/27→	5/3→	5/6-6/7(17)→	4/27→	5/1→	4/20→	5/15→
THRASHER, BROWN	A	R	R	A	R	R	R	A	R	A	R	R
PIPT, AMERICAN	4/26(3)→	4/17→	5/6→	5/1→	5/4→	4/25→	5/1(4)→	5/6-6/7(30)→	4/26→	5/6(6)→	A	5/1(5)→
WARBLER, BLUE-WINGED	4/14→	4/6→	4/27→	4/26→	4/10→	4/10→	4/9→	4/30-6/7(5)→	4/10→	4/16→	4/8→	4/24(3)→
WARBLER, BLUE-WINGED	→4/23(50)	4/17-5/1(26)-15	-	-	-	4/4(70)-5/5	-	-	-	-	-	-
GOLDEN-WINGED	5/4→	4/22→	5/6-12(7)→	5/1→	4/23→	4/25→	4/28→	5/6→	4/27→	5/4→	-	-
TENNESSEE	-	5/11-6/22	6/20→	5/11-6/22	5/23	5/8(5)-15	5/8(3)→	-	5/8-16	5/8	-	-
ORANGE-CROWNED	-	5/1-14(9)-19	5/9-12(6)→	5/4-17	-	5/8(5)-15	5/8	-	5/8-16	5/8-18	-	5/30
NASHVILLE	5/4-7(4)	4/22-5/7(8)-16	4/28-5/12(3)	5/4	-	5/2-8(7)	5/4	-	5/5-17	5/4(4)-14	-	5/15
PARULA, NORTHERN	4/25→	5/1-14(3)-16	4/26→	4/26→	-	5/1→	5/12→	-	5/5→	4/25→	-	5/1→
WARBLER, YELLOW	4/26(8)→	4/17→	5/6-12(28)→	4/12→	4/23→	4/27→	4/30→	4/28-6/7(65)→	4/23→	4/23→	5/4(11)→	5/1→
CHESTNUT-SIDED	5/7-8	5/2-9(6)-27	5/12(21)→	5/10	-	5/5→	5/6→	5/3-28(4)→	4/26→	5/8→	5/4→	5/13→
MAGNOLIA	5/7-15(3)	5/1-15(7)-21	5/12	5/12	5/17	5/7-6/27	5/8→	-	5/8-22	5/8	5/26(3)	5/13
CAPE MAY	-	5/13-14	5/12	5/12	-	5/8	-	-	5/8-24	-	-	-
BLACK-THROATED BLUE	4/25-5/9	4/22-5/27	5/6	4/26→	-	4/26→	4/28→	-	5/5-22	5/4-14	5/5-12(5)-31	5/13→
YELLOW-RUMPED	A	→5/27	→4/28(6)	4/15-5/10(3)	4/22→	→5/16	4/22→	4/30→	→5/8(2911)-16	→5/13	-	4/24
BLACK-THROATED GREEN	4/25→	4/6-5/7(8)-27	4/23-28(6)→	4/24-5/8(4)	5/1	4/25→	4/21→	5/10-28(10)→	5/5-16	4/23→	5/4→	5/1(4)→
BLACKBURNIAN	5/7-15	4/26-5/9(6)-27	-	4/24-5/12	5/20	5/5-14	5/6→	6/7→	5/8(25)-16	5/8-13	5/12→	5/16
YELLOW-THROATED	-	4/8→	6/5	4/18→	-	-	-	-	5/8(4)	5/8→	-	5/1
PINE	A	-	-	4/29	-	A	-	-	A	4/25(3)	-	4/3
PRAIRIE	4/27→	4/24→	4/23-5/10(3)→	5/1(4)	-	4/28→	6/13→	5/2→	4/24→	4/25(3)	-	5/1(5)→
PALM	4/8-5/2	4/24-5/14	-	4/26-5/12	5/20	4/4-5/8(6)	4/26→	4/30	4/3-5/8	4/25-5/10	-	4/10
BAY-BREADED	MAY	5/5-22	5/12(10)	5/8-17	-	5/8(5)-19	5/18(6)	-	5/8-16	5/8-15	-	5/13
BLACKPOLL	5/15	5/8-18(9)-30	5/12	5/16-20(4)	-	5/8-30	5/8	5/28	5/8-29	5/8-28	-	-
GERULEAN	MAY	5/1→	6/5→	5/1→	-	5/1→	5/6→	-	4/27→	5/8→	-	-
BLACK-AND-WHITE	4/22→	4/24→	5/11→	5/6→	5/23→	4/24→	4/21→	4/30→	4/25→	5/4→	5/9→	4/30→
REDSTART, AMERICAN	4/26(6)→	4/28→	5/6-12(19)→	4/28→	5/5→	4/28→	4/25→	5/10-28(45)→	5/5→	5/4→	5/9→	4/24→
WARBLER, PROTHONOTARY	-	5/14	-	-	-	5/8	-	-	5/8-16	5/4→	-	-
WORM-EATING	5/17→	4/23-5/21	-	5/12	-	5/2→	5/4→	5/28-6/7	5/8→	5/8→	-	-
OVENBIRD	4/26→	4/22→	5/2→	4/26→	4/23→	4/26→	4/25→	5/2-6/7(40)→	4/27→	5/8→	5/6(5)→	5/1→
WATERTHRUSH, NORTHERN	5/7→	4/28-5/15	-	-	-	5/7-15	-	4/27-5/21	4/27→	5/30	5/26	5/2
LOUISIANA	4/26→	4/2→	4/6→	4/22→	5/18→	4/8→	4/4→	6/7→	4/5→	4/6→	5/4→	5/2→
WARBLER, KENTUCKY	5/15	5/5-25(4)→	5/12(5)→	5/4→	5/10	5/8→	-	-	5/8→	5/8→	-	-
MOURNING	5/15	5/13-27	-	5/17-24	5/17-24	5/8-13	-	-	5/12-15	5/8	-	5/16
YELLOWTHROAT, COMMON	4/26(6)→	4/28→	4/29→	4/26→	5/1→	4/30→	5/5→	5/6-6/7(45)→	4/27→	5/4(4)→	5/4→	5/1→
WARBLER, HOODED	5/6→	4/24-5/9(4)→	5/10→	4/26→	5/21	4/25→	5/5→	-	5/8→	5/4(4)→	5/12→	5/13
WILSON'S	-	5/14-19	5/12	-	5/28	5/8-6/2L	5/9	-	5/8-16	5/8(5)	-	5/13
CANADA	5/6→	5/5-27	-	5/12	-	5/7→	5/12→	6/7→	5/8-22	5/8-15	5/22-31(21)	5/13
CHAT, YELLOW-BREADED	5/7→	5/6→	5/10→	5/5→	5/5→	5/8→	5/7→	-	-	5/30(4)→	5/20	-

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	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BRADFORD	BUCKS	BUTLER	CAMBRIA	CARBON
TANAGER, SCARLET	5/7→	4/28→	5/6→	5/6→	5/15→	5/2→	5/6→	5/6-6/7(13)→	5/30→	5/6→	5/12→	5/13
TOWHEE, EASTERN	A	A	4/14-17(31)→	A	A	A	4/4→	4/2-6/7(14)→	R	A	A	4/10→
SPARROW, AMERICAN TREE	-	-	-	-4/3	-	-	P	-4/2	-4/3	-	-	P
CHIPPING	4/2→	4/1→	4/16→	4/3→	4/17→	4/1→	A	4/25-6/7(40)→	4/4→	A	4/12→	4/10(8)→
FIELD	4/2→	A-4/20(20)	A	A	4/6→	A	A	4/26→	R	A	5/9→	4/1→
VESPER	5/2→	4/3→	6/15→	4/1	-	4/16→	-	-	5/30	A	5/8→	-
SAVANNAH	5/21→	4/25→	5/7→	5/6→	4/24→	A	-	4/30→	R	4/14→	5/2→	-
GRASSHOPPER	5/21→	4/24→	5/6→	5/8→	-	5/5→	5/13→	5/25→	-	5/8(6)→	5/18→	5/1→
HENSLOW'S	-	5/15→	5/6→	5/20→	-	-	-	-	-	5/8(12)→	5/18-6/2(16)	-
FOX	-	4/8	4/14-20(5)	-	4/3	-4/3(4)-10	-4/12	4/2-11	-4/8	4/2	-	P
LINCOLN'S	-	5/10-14	-	-	5/4-5/15	5/6-12	-	-	5/11-12	5/13	-	-
SWAMP	A-4/26(3)	4/23-5/14	5/6→	A	A-4/24(19)	R	R	4/30-5/28(6)→	R	5/13	5/4→	4/2→
WHITE-THROATED	-5/3(16)	-5/17	-4/28(14)	-5/7	-5/4(7)	-5/14	-5/8(10)	R	-5/29	-5/13	-5/5	P
WHITE-CROWNED	-5/8(6)	-5/8	-	5/9	-5/15(3)	-5/8	-5/15	R	-5/8	5/8-16	-5/1	5/15(7)
JUNCO, DARK-EYED	-	-4/19(20)-27	-4/1(15)-28	-4/26	-4/18(6)-27	-4/30	-4/28(6)	R-6/7(11)	-5/7	-5/8(4)	A	A
GROSBEAK, ROSE-BREADED	5/5→	4/23-5/13(6)→	5/10→	5/3(6)→	6/1	4/26→	5/4→	5/5-6/7(12)→	4/30→	5/6→	5/4→	-
BLUE	6/9→	-	-	-	-	4/14→	-	-	-	-	-	-
BUNTING, INDIGO	5/5→	5/5-10(6)→	5/7→	5/1→	5/2→	5/5→	P	5/10-6/7(30)→	4/26→	5/4→	5/12→	-
BOBOLINK	5/3	5/8→	6/12→	5/16	-	4/29→	P	5/10-6/7(20)→	5/8(35)	5/8→	P	5/15(5)
BLACKBIRD, RED-WINGED	R	A	A	A	A	A	A	A	R	A	A	A
MEADOWLARK, EASTERN	A	A	A	5/5	A	A	A	A	R	A	4/14→	A
BLACKBIRD, RUSTY	-	4/3(4)	-4/22(5)	-	-	4/8(6)-5/8	-	-	-5/7	-	-	A
GRACKLE, COMMON	R	A	A	A	A	A	A	A	R	A	A	A
COWBIRD, BROWN-HEADED	R	A	A	A	A	A	A	A	R	A	A	A
ORIOLE, ORCHARD	5/7→	4/28→	5/12→	5/6→	5/6→	4/30→	5/2→	6/7→	4/29→	5/8(29H)→	-	-
BALTIMORE	4/27→	4/28→	5/3→	5/3→	4/26→	5/4→	4/30→	5/10-6/7(30)→	4/26→	5/4(4)→	5/4→	5/13→
FINCH, PURPLE	-	-5/18	A	-	A	4/18	A	6/7	R	A	A	-

	CENTRE	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	CUMBERLAND	DAUPHIN	DELAWARE	ERIE
LOON, RED-THROATED	-	4/15-24(9)	4/7-5/23	-	-	-	-	-	4/2-18	-	-
COMMON	-5/11	5/8(7)	4/1-22(5)→	4/20	4/9(19)	-	4/4(11)-24	-5/8(12)	4/2-5/10	-4/17(40)-5/13	P
GREBE, PIED-BILLED	A	4/15(4)-5/6	4/8	-	5/22-6/1	A	R-4/4(9)	4/16(3)	-4/18	-4/20	P
HORNED	4/4-11(50)-20	4/15-28	4/8(6)-22	4/20	4/19(6)	4/8	-4/4(375)-24	-4/16(7)-5/8	-4/16(15)-5/8	-4/3(3)	-
RED-NECKED	-	-	-	-	-	-	-	-	4/4-16	-	-
CORMORANT, DOUBLE-CRESTED	-	4/16-5/31	4/8-5/14(12)-6/20	4/20	4/26-6/10	4/9-17(4)	4/4-11(25)-6/27	A	A	A-4/17(78)	A
BITTERN, AMERICAN	4/20	4/17-5/6	5/15	-	4/26-5/10	4/19	4/28-5/4(3)→	4/16(3)	-	-	4/18-5/14
HERON, GREAT BLUE	A	A	4/8→	-	R	R	R	A	A-4/11(70±)	R	A
EGRET, GREAT	4/11-5/31	4/17-5/14(3)	-	-	-	-	4/4	A	A	A-4/22(4)	4/27-6/22
SNOWY	-	-	-	-	-	-	-	-	4/14-5/8	-	6/1
HERON, GREEN	4/20→	4/18→	5/8→	-	5/17→	4/26→	-	4/16→	4/22→	4/4→	4/23→
NIGHT-HERON, BLACK-CROWNED	-	4/15→	-	-	-	-	4/22	4/4→	4/11(6)→	A	5/15-22
VULTURE, BLACK	4/27-5/8	R	A	-	-	-	-	R	R	R	-
TURKEY	A	R	A	4/6→	5/15→	A	A	R	R	R	A
GOOSE, SNOW	-	4/15-28	-	-	-	-	-	-	5/1-8	-4/3(3000)-6/15	-
CANADA	R	R	R	R	R	R	R	R	R	R	R
SWAN, MUTE	-	4/15-5/14	-	-	-	-	-	-	5/24	-	-
TUNDRA	4/4-5/8	-	4/19(7)	-	-	-	-4/4(60)-29	-4/4	-	-	-
DUCK, WOOD	A	A	A-4/8(10)	4/20→	A-4/4(16)	R	A-6/27(24)	A	A	A-5/28(54)	A
GADWALL	APR	4/15(11)-28	4/1(7)	4/20	-	-	-4/4(122)-24	P	-	-	-5/14
WIGEON, AMERICAN	4/20	4/15(33)-5/14	-	-	-4/29	-	-4/4(178)-24	-5/8	-	-4/3	-5/15
DUCK, AMERICAN BLACK	4/4	4/25-5/14	-	R	A	R	-4/4(15)	P	R	R	-MAY
MALLARD	R	R	R	R	R	R	R	R	R	R	A
TEAL, BLUE-WINGED	APR	4/15-5/6	4/17-5/15	-	5/17-6/1	4/13	-4/17(16)-5/22	-5/8	-	4/2	APR-JUN

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	CENTRE	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	CUMBERLAND	DAUPHIN	DELAWARE	ERIE
SHOVELER, NORTHERN	4/16-17	4/15-16(16)-5/11	4/17	-	4/29(3)	-	→4/18(25)-24	4/16-5/8	4/3-20(7)	→4/22	4/2-5/11
PINTAIL, NORTHERN	4/11	4/28-5/14	-	-	-	-	→4/4	P	→APR	→4/3(7)-5/9	→APR
TEAL, GREEN-WINGED	→4/11-20	4/15(20)-5/10	-	-	-	P	A-4/18(35)	→4/16(6)	→4/3(10)	→4/3(208)-22	→MAY
CANVASBACK	4/18	-	4/1	4/20	-	-	→4/4(25)	-	-	-	→5/12
REDHEAD	4/18	-	5/8(4)-5/15	4/20	4/26	-	→4/4(21)	-	4/4(4)	-	→MAY
DUCK, RING-NECKED	APR	4/15(55)-5/1	→4/1(58)	4/20	4/26	P	→4/11(226)-24	→5/8	→APR	4/3	→MAY
SCAUP, GREATER	-	4/15-5/1	→4/1(6)	4/20	4/26(20)	-	→4/24	4/16(4)-5/8	→4/20	-	→5/12
LESSER	APR	4/15(4)-5/14	4/1(36)	4/20	4/26(20)	-	→4.17(2894)-5/13	→5/8(10)-10	→5/8	4/1-3	→5/23
SCOTER, SURF	4/18-21	4/15-20(4)	4/23	-	4/29	-	-	5/1	-	5/8(6)	-
WHITE-WINGED	4/17	-	-	-	-	-	4/4-17(8)	-	-	-	4/4(3)-15
OLDSQUAW	4/4-18	4/16-17	4/17	-	-	-	4/4(18)	-	→4/16(20)	-	-
BUFFLEHEAD	→4/17(600)-24	4/15(13)-5/14	→4/17(75)-19	4/20	→4/26(60)	4/12-15(6)	→4/1(1265)-5/2	→5/8(3)	→4/23.6/13-18	→4/3(9)	→JUN
GOLDENEYE, COMMON	-	4/16-5/11	4/1-5/11	-	A	A	→4/11(15)	→4/28	→4/16	-	→MAY
MERGANSER, HOODED	→4/11	4/16-5/11	4/13	-	R	A	A-4/4(98)	A	A	-	A
COMMON	4/11(349)-17	4/15-22	4/10(14)	-	R	R	→4/18(8)-6/12	→4/28	→5/8	→4/3(20)-10	→MAY
RED-BREASTED	4/18(340)-5/23	4/15(16)-22	4/1-13(20)	-	4/29	-	→4/4(92)-5/2	-	→4/27	-	A
DUCK, RUDDY	APR →	4/15-5/14(4)	4/17(100)-5/23	4/20(200)	4/29	-	→4/4(1979)-5/29	→5/3	4/16-20(100+)	→4/3(55)	→MAY
OSPREY	-	4/15(7)-6/6	4/8-5/15	-	-	4/4→	→4/25	→5/8(7)	4/18-5/29	4/4-17(15)-5/16	P
EAGLE, BALD	4/24-28	4/16-5/14	4/8	-	6/22	6/22	R-4/4(5)	P	R-5/8(4)	4/8-5/9	A
HARRIER, NORTHERN	4/3-4	4/15-5/13	R	-	A	A	A	→5/8	→5/8	→4/8(5)-25	P
HAWK, SHARP-SHINNED	R	R	R	-	R	R	A	R	R	→4/17(19)-5/12	P
COOPER'S	R	R	R	-	R	R	-	R	R	R	A
GOSHAWK, NORTHERN	-	-	4/3-5/29(3)→	-	R	R	-	-	-	-	-
HAWK, RED-SHOULDERED	A	4/17-22	A	4/6→	A	A	-	-	-	-	-
BROAD-WINGED	4/16→	4/15-22(274)→	4/14→	4/20→	APR→	APR→	APR→	A	4/22(7)→	4/10-17(674)→	4/21(12)→
RED-TAILED	R	R	R	R	R	R	R	R	R	R-4/8(11)	R
EAGLE, GOLDEN	4/3-14	-	-	-	-	-	-	-	5/8	-	4/26
KESTREL, AMERICAN	R	R	R	R	R	R	R	R	R	R-4/4(11)	R
MERLIN	-	4/15-5/8	4/22	-	-	-	4/10-5/26	-	-	→4/10	4/2-5/16
FALCON, PEREGRINE	-	-	-	-	-	-	-	-	R	R	4/2-5/19
BOBWHITE, NORTHERN	-	R	-	-	-	-	-	5/8	-	A	-
RAIL, VIRGINIA	-	4/15-5/14	-	-	-	-	5/2-4(6)→	4/16(4)-5/8	-	-	4/13→
SORA	-	5/10-14	5/14	-	5/22	-	4/11-5/13(6)→	5/8	5/16	-	4/22→
MOORHEN, COMMON	-	4/20	-	-	-	-	5/2-6/22(12)→	-	-	-	P
COOT, AMERICAN	4/17	4/15-29	4/17(3)	4/20	5/17	-	→4/4(730)-25	A	→4/29	→4/3(6)	→5/16
PLOVER, BLACK-BELLIED	-	-	-	-	-	-	6/1	-	-	5/31(3)	4/23-MAY
SEMPALMATED	5/8-20	5/6-14	-	-	-	-	5/7-6/1(150)-4	5/8	-	5/9-6/3	5/11-MAY
KILLDEER	A	R	A	A	A	A	A-6/4(40)	A	A	R	A
YELLOWLEGS, GREATER	4/13-5/7(18)-14	4/15(9)-5/14	4/8-5/8	4/20	-	-	→4/18(102)-6/27	→5/8(8)-21	→5/12	4/22(18)-6/3	4/16-5/14
LESSER	4/13-5/22	4/15-5/14(4)	5/15	4/5	-	-	4/22(200)-6/4	→5/8(9)-21	4/29-5/12	5/2-9	4/25-MAY
SANDPIPER, SOLITARY	4/19-5/22	P	5/8-15	-	-	-	→5/7(50)-22	5/8(39)	4/27-5/12	4/22-5/9	APR-MAY
SPOTTED	4/26→	P	5/8-15	5/17→	5/22→	5/12→	4/28(10)→	5/8(52)	4/20→	4/17→	5/3→
UPLAND	-	-	4/23-6/13(2)→	-	-	-	6/9(6)→	6/15→	-	-	4/13
SANDPIPER, SEMIPALMATED	5/8-16	-	-	-	-	-	4/19-6/1(200)-27	5/8(21)	5/8	5/9-6/3	5/25-JUN
LEAST	5/7-20	4/28-5/14(136)	5/15	-	-	-	4/28-5/13(80)-6/6	5/8(48)	5/8(4)-12	5/9(100)-21	5/3
WHITE-RUMPED	-	-	-	-	-	-	5/13-6/1(4)-6	5/8	5/1-12	-	5/6
PECTORAL	4/3-5/11	4/15(8)-5/13	-	-	-	-	→4/4(62)-6/6	5/8	5/8(3)	-	P
DUNLIN	5/8	5/6	-	-	-	-	5/7-22(5)-6/6	-	→5/8	-	4/15-MAY
WOODCOCK, AMERICAN	→5/8	4/15(17)-5/8	4/8-5/14	-	A	-	→4/18(4)-5/2	→4/16(26)-5/8	→5/8	→5/8(6)	P-4/14(35+)
GULL, LAUGHING	-	-	-	-	-	-	A	A	A	A	A
BONAPARTE'S	APR	4/1-17(25)	-	4/20	4/9(26)-29	-	4/11(30)-6/6L	5/8(6)	→4/30(25)-5/8	4/12-17	A
RING-BILLED	A	A	4/1-17(20)→	4/20	4/9(12)	A	-	A	A	A	A
HERRING	-	4/17	4/1	-	-	-	-	P	A	A	A
GREAT BLACK-BACKED	-	-	-	-	-	-	-	P	A	A	A
TERN, CASPIAN	4/15-17	4/20(3)	4/23	-	-	-	4/11-17	4/16(4)-5/8	4/18(4)-5/8	-	4/3-JUN
COMMON	4/8-17	4/20-22	4/8	-	-	-	4/11-17	-	5/8(5)	-	5/5-JUN

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	CENTRE	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	CUMBERLAND	DAUPHIN	DELAWARE	ERIE
FORSTER'S	4/22	4/16-5/8	4/23	-	-	-	4/17(3)	-	5/10	4/10(4)-5/26	4/17-MAY
BLACK	-	-	-	-	-	-	5/9(4)→	5/10	4/26-5/10(8)	-	5/8-10
CUCKOO, BLACK-BILLED	5/8→	5/10→	-	-	-	-	5/22→	-	5/8→	-	P
YELLOW-BILLED	5/5→	5/10→	5/29→	-	5/23→	6/4→	5/8→	P	5/8-6/14(31)→	5/8→	P
OWL, BARN	-	R	-	-	-	R	-	R	R	-	R
BARRED	R	-	R	R	R	R	R	R	-	-	R
NORTHERN SAW-WHET	-	-	-	-	-	-	-	-	-	-	4/3-20
NIGHTHAWK, COMMON	JUN→	5/8→	5/18→	-	6/25→	MAY→	5/9→	5/10→	5/13→	5/29→	MAY→
WHIP-POOR-WILL	4/26→	5/14→	4/26→	-	4/12→	4/25→	5/5→	5/8→	5/2→	4/21-5/13	5/5→
SWIFT, CHIMNEY	4/23	APR→	4/22(25)→	-	6/10→	5/6(6)→	4/22(6)→	4/16→	4/16(10)→	4/14→	APR→
HUMMINGBIRD, RUBY-THROATED	4/29→	MAY→	4/29→	5/17→	5/3→	4/24→	5/2→	4/25→	4/27→	4/24→	MAY→
WOODPECKER, RED-HEADED	5/7-8	-	-	-	-	-	4/22→	R	-	-	5/5→
SAPSUCKER, YELLOW-BELLIED	APR	-	-	-	R	4/21→	4/17→	-	4/15	-	A
FLICKER, NORTHERN	A	R	4/27→	A	R	R	R	R	R	R	A
FLYCATCHER, OLIVE-SIDED	5/14	5/8	-	-	-	-	-	5/27	-	5/8	5/29
WOOD-PEWEE, EASTERN	5/8→	5/8→	5/8→	5/17→	-	5/12→	5/4→	5/6→	4/23→	5/9→	5/8→
FLYCATCHER, YELLOW-BELLIED	-	-	-	-	-	-	-	-	-	-	MAY
ACADIAN	5/8→	5/8→	5/15→	-	-	-	5/13→	5/8→	5/22→	5/9→	MAY→
ALDER	5/19→	-	-	5/17→	-	-	6/6→	-	-	-	5/16→
WILLOW	P	5/10→	5/19→	-	6/1→	5/31→	5/13-6/6(4)→	5/8→	5/2→	5/9→	5/13→
LEAST	4/24→	-	5/14→	5/17→	6/1→	5/23→	5/4→	5/8→	5/8→	5/9-11	4/24→
PHOEBE, EASTERN	A	A	4/8→	4/6→	4/15→	A	A	A	A	A	A
FLYCATCHER, GREAT CRESTED	5/5→	4/28→	5/8→	6/8→	5/22→	5/4→	5/2-13(13)→	4/25→	4/30→	5/5→	5/4→
KINGBIRD, EASTERN	5/8→	4/22→	5/8→	5/2→	5/17→	5/7→	4/25-5/20(4)→	4/16→	4/23→	4/28-5/9(6)→	APR→
VIREO, WHITE-EYED	4/30→	4/24→	5/14	-	-	-	5/7→	4/16→	4/24→	4/22→	5/6-6/18
BLUE-HEADED	4/24→	4/23-5/9	4/22-27(9)→	4/27→	-	4/17→	4/14-24	4/10→	4/16→	4/17-5/5	5/3→
YELLOW-THROATED	5/5→	4/24→	-	-	6/25→	-	5/2→	4/125→	4/23→	5/5→	-
WARBLING	4/24→	4/24→	-	-	-	-	5/2-13(45)→	4/25→	4/24→	4/24→	5/4→
PHILADELPHIA	5/7-17	-	5/14	-	-	-	-	5/8	5/7	-	MAY
RED-EYED	5/6→	5/3→	4/22→	5/17→	5/23→	5/10→	5/6-20(4)→	4/25→	5/8→	5/5-16(9)→	5/8→
CROW, FISH	A	A	-	6/8	R	R	-	R	R	R	-
RAVEN, COMMON	R	-	R	R	R	R	-	R	R	-	-
LARK, HORNED	5/8	4/15(22)-5/14	A	-	-	-	-	-	-	-	-
MARTIN, PURPLE	5/2→	APR→	4/4→	-	-	-	A-5/22(30)	5/8→	4/17-5/8	4/8-JUN(300+)→	APR→
SWALLOW, TREE	4/3-11(100)→	APR→	4/8(17)→	4/20→	A	A	A-4/17(2875)	A	A	A	4/1→
NORTHERN ROUGH-WINGED	4/3→	APR→	4/8→	5/17→	6/1→	6/1→	4/4-5/13(251)→	4/25→	4/3→	A	APR→
BANK	-	4/17-5/14	5/14	-	6/1→	5/15→	4/18-5/13(550)→	5/8→	5/1(100+)→	5/9-28	4/22→
CLIFF	5/2→	-	4/19→	-	6/1→	-	4/24-5/13(400)→	5/10→	4/18→	6/3(6)→	MAY→
BARN	4/3→	APR→	4/11→	4/20→	5/6→	4/28→	4/4-5/13(165)→	A	4/13→	4/9→	4/7→
CHICKADEE, CAROLINA	-	R	-	-	-	-	-	R	R	R	-
BLACK-CAPPED	R	4/26	R	R	R	R	R	A	R	-	R
NUTHATCH, RED-BREASTED	P	-	R	-	A	A-6/12(5)	-	A	-	-	-
CREEPER, BROWN	R	-	R	A	A	A	5/20	A	R	-	P
WREN, HOUSE	4/26→	MAY→	4/27→	5/27→	5/3→	MAY→	4/24→	4/16→	4/23→	4/22→	4/29→
WINTER	→5/8	4/15-5/8	4/11→	-	-	A	4/4→	A	→4/6	→4/5	→MAY
MARSH	-	5/11	-	-	-	-	5/13-6/6(20)→	-	5/8-13	5/9→	5/3→
KINGLET, GOLDEN-CROWNED	R	→4/17	-	→4/27	-	P	-	A	→APR	→4/10(4)-17	→5/13
RUBY-CROWNED	4/4-5/8	P	4/13(6)	4/20-27	-	→5/9	4/4-24	→5/20	→5/8	→4/24(20)-5/11	4/15-MAY
GNATCATCHER, BLUE-GRAY	4/17→	APR→	4/26→	-	4/26→	5/9→	4/18→	APR→	4/13→	4/10-24(18)→	4/17→
VEERY	4/24→	5/3→	5/8→	-	6/1→	5/10→	5/5→	5/8→	5/6→	5/5→	5/5→
THRUSH, GRAY-CHEEKED	-	5/8-13	5/27	-	-	-	-	5/8	5/8-21	-	MAY
SWAINSONS	5/8	5/11-14(5)	-	5/17	-	5/12	-	5/8	5/6-10	5/5-9(3)-22	5/5
HERMIT	APR→	P	4/25→	4/20→	6/1→	A	4/18-5/4	A	R	→5/11	→MAY
WOOD	4/26→	4/24→	5/7→	5/17→	5/12→	5/1-4(5)→	5/1-4(5)→	4/25→	5/2→	4/25→	5/4→
ROBIN, AMERICAN	A	R	R	A	A	R	A	R	R	R	R
CATBIRD, GRAY	4/24→	4/9→	5/8→	5/17→	4/30→	5/3→	5/1-13(19)→	A	4/27→	A	5/5→
THRASHER, BROWN	4/17→	APR→	4/30→	P	4/30→	4/25→	4/11→	4/16→	4/9→	4/24→	4/15→

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	CENTRE	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	CUMBERLAND	DAUPHIN	DELAWARE	ERIE
PIBIT, AMERICAN	4/27(55)-5/10	4/15-16(10)-5/8	-	-	-	-	4/2-9(40)-5/16	4/16(35)	4/4-5(50+)-5/8	-	-MAY
WARBLER, BLUE-WINGED	4/25-5/8	5/5(6)→	5/14	-	-	-	5/1→	4/25→	4/28→	4/29→	5/4→
GOLDEN-WINGED	5/5→	5/14	5/14	-	5/22→	-	5/8→	5/8→	5/8→	-	5/7-11
TENNESSEE	5/8	5/11-14	5/14	-	-	-	5/5-6	5/10	5/8	5/12	5/8
ORANGE-CROWNED	-	-	-	-	-	-	-	-	-	4/13	-
NASHVILLE	5/4-14	5/14	5/14	-	-	-	5/3	4/23-5/8	4/28-5/11	5/5-11	5/4
PARULA, NORTHERN	P	4/19→	5/7→	-	6/1→	4/29→	-	4/25→	5/2→	4/22-5/12(4)→	MAY
WARBLER, YELLOW	4/23→	4/24→	4/26→	5/17→	5/17→	4/27→	4/22-5/13(34)→	4/25→	4/24→	4/29→	4/29→
CHESTNUT-SIDED	5/5→	5/5→	5/5→	5/27→	6/1→	5/9→	5/4-13(4)→	4/25→	5/2→	5/5→	5/5→
MAGNOLIA	5/5→	5/5-14(6)	5/7→	5/17→	-	5/17-23(4)→	5/6→	4/25	5/3-12	5/5-22	5/5
CAPE MAY	5/8	-	5/14	5/17→	-	-	-	-	P	5/12	5/12
BLACK-THROATED BLUE	5/5→	5/1-14(10)	4/29→	5/17→	6/1→	4/27-5/23(10)→	4/29→	4/25→	4/27-5/8	5/8-10(10)-15	5/4
YELLOW-RUMPED	A	P	4/3-5/8	4/27→	A	4/28→	-	-5/8	-5/8	-5/5(90)-16	-5/23
BLACK-THROATED GREEN	4/24→	4/24-5/14(4)	4/22-6/2(15)→	4/27→	6/1→	5/24→	4/22→	4/23→	4/16→	5/5-22	APR→
BLACKBURNIAN	5/5→	5/8-14(4)	5/7-6/2(15)→	5/17→	5/20→	4/27→	5/3→	4/25→	4/24→	5/3-11(4)	5/5→
YELLOW-THROATED	-	-	-	-	-	-	4/11-5/2(3)→	4/28	5/27	4/24→	-
PINE	4/8→	A	4/23	4/20→	6/25→	-	4/25→	A	4/12→	A	4/15-MAY
PRAIRIE	5/8→	4/30→	4/23→	-	-	5/9→	-	4/25→	4/24→	4/24→	MAY
PALM	4/11-28	4/15-17(43)-5/11	4/23	-	-	4/25	4/24-30(3)-5/1	4/16-26(13)-5/8	4/3-5/8	4/10-17(60)-5/5	4/29-MAY
BAY-BREASTED	5/5-21	5/8-14	5/14	-	-	-	5/9-19	5/8	-	5/9-15	5/5
BLACKPOLL	5/21(77)-6/4	5/8-14	5/14-27	-	-	-	5/8-20(6)	5/5-30	5/8-21(6)	5/5-30	5/15-JUN
CERULEAN	5/8→	-	-	5/17→	-	5/1→	6/5→	5/8(7)→	5/1→	4/27→	5/16
BLACK-AND-WHITE	4/24→	4/23→	4/29→	5/17→	5/20→	5/9-23(6)→	4/25→	4/25→	4/23→	4/10→	APR-MAY
REDSTART, AMERICAN	5/8→	4/28→	5/12→	5/17→	5/9→	5/10-23(4)→	4/25→	4/25→	4/26→	5/5-16(6)→	5/5→
WARBLER, PROTHONOTARY	-	-	-	-	-	-	5/6-13(3)→	-	5/19-6/6	-	-
WORM-EATING	5/5→	5/8→	-	5/17→	6/1→	-	-	5/8→	5/2→	5/8→	5/15
OVENBIRD	5/5→	4/26→	4/29→	5/17→	5/22→	4/28→	4/25→	4/23-5/8	4/25→	4/29→	5/5→
WATERTHRUSH, NORTHERN	4/28→	4/29-5/14(16)	-	-	-	5/9	4/25→	4/23-5/8	5/8→	4/28-5/22	4/22-MAY
LOUISIANA	APR→	APR→	4/12→	-	6/1→	5/12→	4/4→	4/8→	4/5→	4/7→	4/22→
WARBLER, KENTUCKY	5/8	5/1→	-	6/8	-	-	-	5/8→	5/8→	5/8→	5/8-20
MOURNING	5/14-19	6/5	-	-	-	-	5/13	5/10	5/7-8	-	5/15
YELLOWTHROAT, COMMON	MAY→	4/23→	5/6→	5/17→	5/5→	5/3-23(9)→	4/30-5/22(10)→	4/25→	4/23→	4/22→	5/4→
WARBLER, HOODED	4/24→	-	4/30→	5/27→	6/1→	5/10-23(6)→	5/6-13(6)→	4/25→	4/30→	4/29→	5/7→
WILSON'S	5/6-23	5/14(3)	5/14-27	-	-	-	5/7	5/10	5/8	5/10-12	5/8
CANADA	5/8→	5/6-14(13)	5/14	5/17→	-	-	-	5/8→	5/8→	5/8-21	5/10
CHAT, YELLOW-BREASTED	5/7→	5/8→	6/5	-	-	-	4/25-5/7	4/25→	4/30→	5/11→	MAY→
TANAGER, SCARLET	5/5→	5/5(5)→	5/8→	5/17→	5/27→	5/9-14(5)→	5/2-13(4)→	4/25→	5/3→	5/5→	5/6→
TOWHEE, EASTERN	A	R	4/20→	4/16→	A	4/23→	A	A	A	R	A
SPARROW, AMERICAN TREE	-	-	-	-	-	-	-4/11	P	-5/8	-4/17	-5/13
CHIPPING	A	APR→	4/8→	4/23→	5/23→	4/21→	4/4→	A	4/2→	A	4/15→
FIELD	A	R	4/8-6/5(14)→	A	A	5/1→	4/2→	A	A	R	4/4→
VESPER	4/17→	4/15→	5/2→	5/2→	-	6/2→	A	4/16-6/15(19)→	5/8→	-	APR→
SAVANNAH	4/10→	4/15(7)→	4/15(7)→	5/2→	APR→	6/2(6)→	4/4→	A	4/5→	5/1-9	4/15→
GRASSHOPPER	5/8→	5/8→	4/23→	5/2→	APR→	-	-	4/25→	5/8→	-	-
HENSLOW'S	5/8	4/23-6/5(14)→	5/2→	5/2→	-	-	-	-	-	-	-
FOX	4/11	4/15-17	-4/15	4/6	4/14	-	-4/18	4/16(5)	-5/8	-	APR-5/23
LINCOLN'S	-	-	-	-	-	-	-	5/6	-	4/27-5/9	5/5
SWAMP	A	A	4/8→	-	R	-	A-5/2(4)	R	A	R	A
WHITE-THROATED	-5/8	-5/14	-5/8	-	A	-4/23	4/4	-5/22	-5/14	A	-5/23
WHITE-CROWNED	5/5-14	-5/9	4/15-5/8	-	5/8	5/10	-5/13	-5/8	-5/8	5/11	-5/23
JUNCO, DARK-EYED	A	4/28→	R	A	R	-	-	-5/8	-5/14	4/17	A
GROSBEAK, ROSE-BREASTED	4/26→	4/28→	4/27→	5/17→	5/2→	5/9-27(7)→	5/1-2(14)→	4/25→	4/27→	5/5→	5/4→
BLUE	-	5/14→	-	-	-	-	-	5/8	4/26→	5/9→	5/13
BUNTING, INDIGO	5/1→	5/6→	5/4→	5/17→	5/7→	5/10→	5/5-13(6)→	4/25→	5/3→	5/8→	5/8→
BOBOLINK	4/28→	4/29→	5/8→	P	MAY→	5/2-6/6(31)→	5/6→	5/6→	5/3→	5/8→	APR→
BLACKBIRD, RED-WINGED	A	A	A	4/16→	A	A	A-5/27(550)	A	A	R	A
MEADOWLARK, EASTERN	A	APR→	4/8(10)→	-	5/2→	A	4/4-5/13(8)→	A	A	5/8-9	A

SEASONAL OCCURRENCE TABLES - APRIL THROUGH JUNE 1999

	CENTRE	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	CUMBERLAND	DAUPHIN	DELAWARE	ERIE
BLACKBIRD, RUSTY	4/4-5/5	-	4/3-8	-	-	-	4/11(65)	4/16(7)	4/3-5/8	-	4/3-MAY
GRACKLE, COMMON	A	R	A	4/22→	5/3→	A	A-5/2(110)	A	A	R	A
COWBIRD, BROWN-HEADED	A	R	A	4/16→	A	R	A-5/2(3)	A	R	R	A
ORIOLE, ORCHARD	MAY→	6/5→	6/5→	-	6/2(5)→	5/9→	5/9→	5/8(9)→	5/7→	4/24→	MAY→
BALTIMORE	5/5→	5/5→	5/5→	5/17→	5/6→	5/9-23(8)→	5/3-13(10)→	5/2→	4/10→	4/28-5/9(9)→	MAY→
FINCH, PURPLE	A	A	A	A	4/25→	A	4/24-5/22(6)	P	5/8	-	P
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FAYETTE	FOREST	FRANKLIN	FULTON	GREENE	HUNTINGDON	INDIANA	JEFFERSON	JUNIATA	LACKAWANNA	LANCASTER	
LOON, RED-THROATED	-	4/21	-	-	4/4-11	4/23	-	-	-	-	-
COMMON	4/15-17(8)-25	-	4/11(13)-5/2	-	4/3-5/8	6/8	4/4(6)-5/8	5/8	-	4/3-5/8	-
GREBE, PIED-BILLED	4/17	4/21	4/11(3)-24	-	5/1	4/6(8)-5/8	4/4-18(17)	5/8	-	4/3-5/8	4/17
HORNED	4/17	4/3	4/17(6)-5/8	-	4/10	4/3(11)-5/8	4/4-18(46)	-	-	-	-
CORMORANT, DOUBLE-CRESTED	4/17(6)-6/2	4/16	4/6	4/12(3)	5/1-JUN	4/3-23(13)-5/11	4/12-18(58)-5/25	4/7→	5/2	5/8	5/8
BITTERN, AMERICAN	-	-	-	-	4/6	-	-	4/3-5/2	-	-	-
HERON, GREAT BLUE	R	R	A	-	R	A-4/13(6)	A	A	5/1	R	R
EGRET, GREAT	-	-	5/22	-	4/17-6/3	-	-	5/8→	-	5/8	5/8
HERON, GREEN	6/10→	4/29→	4/29→	-	4/27→	4/23(6)→	4/24→	5/8→	-	5/7→	5/7→
NIGHT-HERON, BLACK-CROWNED	4/8(7)→	-	-	-	-	5/8	5/8N	A	-	4/3→	R
VULTURE, BLACK	-	A	-	-	R	-	-	A	-	-	R
TURKEY	A	R	A	A	R	A-5/14(10)	4/4→	A	4/17(3)	R	R
GOOSE, SNOW	-	-	-	-	-	-	-	-	-	5/8	5/8
CANADA	R	R	R-4/17(80)	R	R	R-4/6(39)	R	R	R	R	R
SWAN, MUTE	4/5	-	-	-	-	A	5/8	A	-	8.125	-
TUNDRA	R	-	4/1(5)-6	-	4/11	-	-	5/8	-	-	-
DUCK, WOOD	A	-	4/1-9(5)→	A	A	A-4/10(10)	A	A	4/17(4)	A	4/10(14)-17
GADWALL	-	-	-	-	4/21(10)	-	4/18(6)-5/8	-	-	-	-
WIGEON, AMERICAN	-	4/20	-	-	4/9	5/18	4/18	4/17	-	4/17	-
DUCK, AMERICAN BLACK	R	-	-	-	4/11	5/29	4/5	A	-	5/8	5/8
MALLARD	R	R	R	R	R	R-4/10(28)	R	A	R	R	R
TEAL, BLUE-WINGED	4/8(7)-14	4/18-23(5)	-	-	-	4/27(5)-5/18	4/12-18	-	-	4/17-5/8	4/17(13)
SHOVELER, NORTHERN	4/5(4)	4/20-21(5)-5/9	-	-	5/1	-	-	-	-	-	-
PINTAIL, NORTHERN	-	4/21-5/6	-	-	-	4/1	-	-	-	-	-
TEAL, GREEN-WINGED	4/14(6)	A	-	-	4/17	4/3(10)	4/1-18	-	5/8	5/8	-
CANVASBACK	-	-	-	-	5/15	4/3(8)-6	-	-	-	-	-
REDHEAD	-	-	-	-	-	-	-	-	-	-	-
DUCK, RING-NECKED	-	-	4/1(38)-5/8	-	5/1	4/6(12)-10	4/18(14)	-	-	4/17(4)	-
SCAUP, GREATER	4/17	-	-	-	5/1	4/3(4)-5/8	4/12-18(27)	-	-	4/3	4/3
LESSER	4/5	4/27	4/11	-	5/1	4/10(68)-6/4	4/18(61)	-	-	4/17(5)-5/8	-
SCOTER, SURF	-	-	-	-	-	-	-	5/8	-	-	-
WHITE-WINGED	-	-	-	-	-	-	-	-	-	5/15	-
OLDSQUAW	-	-	-	-	4/4(4)-5	-	-	-	-	-	-
BUFFLEHEAD	4/15-17(10)	-	-	-	5/1	4/3(26)-5/4	4/18(83)	-	5/8	-	-
GOLDENEYE, COMMON	-	-	4/9(5)-22	-	-	-	4/5	5/8	-	-	-
MERGANSER, HOODED	-	4/3(4)	-	-	A	A	4/18(7)	-	-	-	-
COMMON	6/20(8)	4/20(13)	-	-	5/8	4/20(3)	4/24(14)	5/8	4/17	5/8	5/8
RED-BREASTED	4/14	4/17(39)-25	-	-	4/17(14)-5/14	4/23(45)-5/11	4/5(13)-18	5/8	-	5/8	5/8
DUCK, RUDDY	4/17	4/16-20(38)-22	4/16(7)-5/14	-	4/16(9)-5/1	4/23(45)-5/8	4/4(5)-18	5/8	-	4/17→	4/17→
OSPREY	4/4-12	4/9-29	4/11-5/2	-	4/1-5/7(27)	4/28-5/5	4/5-5/8	5/8	-	R	R
EAGLE, BALD	-	4/16	4/16-22	-	A	4/29-6/29	P	A	-	R	R
HARRIER, NORTHERN	-	-	5/8	-	4/22	-	R	A	-	5/8	5/8
HAWK, SHARP-SHINNED	R	R	R	R	R	A	R	R	-	R	R
COOPER'S	R	R	R	R	R	A	R	R	-	R	R
GOSHAWK, NORTHERN	4/14	-	-	-	R	A	4/24	-	-	-	-

SEASONAL OCCURRENCE TABLES - APRIL THROUGH JUNE 1999

	FAYETTE	FOREST	FRANKLIN	FULTON	GREENE	HUNTINGDON	INDIANA	JEFFERSON	JUNIATA	LACKAWANNA	LANCASTER
HAWK, RED-SHOULDERED	R	4/21→	5/1→	5/22	-	R	-	A	A	6/4(3)	5/8
BROAD-WINGED	5/4→	4/3→	4/17→	4/15→	6/20→	4/16-23(500)→	4/10→	4/12→	P	-	4/16→
RED-TAILED	R	R	R	R	R	R	R	R	R	R	R
EAGLE, GOLDEN	R	R	R	4/22	4/10	→4/22	-	R	-	-	-
KESTREL, AMERICAN	R	R	R	R	R	R	R	R	R	R	R
MERLIN	-	-	-	-	-	→5/7	-	-	-	-	4/10-17
FALCON, PEREGRINE	-	-	-	-	-	4/22	-	-	-	-	-
BOBWHITE, NORTHERN	-	-	R	-	-	-	-	5/15	-	-	R
RAIL, VIRGINIA	-	4/13-14	-	-	-	4/17	-	5/8	-	4/28	4/25-5/5
SORA	-	-	→4/19	4/22-5/8	-	-	→4/3(425)-5/8	5/8	5/2	6/17	-
COOT, AMERICAN	4/8	-	5/9	-	-	-	5/8	4/5	P	-	→4/17(4)
PIVOTER, BLACK-BELLIED	-	-	-	-	-	-	-	-	-	-	4/17-5/16
SEMPALMATED	-	-	5/9	-	-	-	5/8-26	-	5/19	-	5/7-16(12)
KILLDEER	A	A	A	A-5/28(6)	A	A	A-6/22(19)	A	A	4/7→	R
YELLOWLEGS, GREATER	→5/4	-	4/18-21	4/15-17(6)-5/28	-	A	4/10-5/11	5/8(6)	5/2	4/17-5/7(3)	5/8
LESSER	5/4(3)	-	4/18-5/5	→5/21	-	-	4/23-5/5(10)-6/22	5/8(5)	-	4/17(3)	5/8
SANDPIPER, SOLITARY	5/4	5/8	5/27	4/17-30(6)-5/21	-	4/25-5/10	4/23-5/14	5/8(12)-9	4/7-5/8(35)	-	5/7(9)-8
SPOTTED	5/2	5/8	4/19-5/9(23)→	5/8→	-	4/25→	4/23-5/11(4)→	4/24→	APR→	4/28→	5/7→
UPLAND	-	-	-	-	-	-	-	6/12N	-	-	-
SANDPIPER, SEMIPALMATED	-	-	-	-	-	5/8	5/26(15)	5/8	-	-	5/7-8
LEAST	-	-	5/9(4)	5/21(4)	-	4/25-5/8	5/6-18	5/8(4)-14	5/2(4)	5/26	5/7-8
PECTORAL	-	-	-	-	-	-	-	5/8	-	5/7	5/15
WHITE-RUMPED	-	-	-	-	-	5/8	-	5/8	-	5/7	-
DUNLIN	-	-	4/18	-	-	-	5/8	-	5/2(6)	-	5/15
SNIFE, COMMON	4/8(5)	-	A	→4/17(16)-19	-	→5/8	4/27	4/1	P	4/7-8(6)	→5/8
WOODCOCK, AMERICAN	A	A	4/1→	4/3→	-	A	A	A-4/1(6)	A	-	A
GULL, LAUGHING	-	-	-	-	-	-	-	-	-	-	5/8-15
BONAPARTES	-	4/13-17(12)	4/11-20(29)	4/22(12)	-	4/8-5/8	4/3-5/5(47)-6/9	4/12(16)-5/8	-	-	4/17(5)
RING-BILLED	→4/14	5/8	A-4/11(15)	→4/17(7)	-	→5/8	→4/24(24)-6/22	4/1(43)-5/8	A	-	A
HERRING	-	-	-	-	-	4/7	4/23(9)-24	4/1(4)	-	-	-
GREAT BLACK-BACKED	-	-	-	-	-	-	-	-	A	-	P
TERN, CASPIAN	-	-	-	-	-	4/17(23)-5/8	4/23(9)	-	-	-	5/8
COMMON	-	-	5/24	-	-	-	5/8	4/18-5/8	-	-	4/17-5/15
FORSTER'S	-	-	-	-	-	4/17	4/23-5/8(51H)	5/8(3)	-	-	5/8-16
BLACK	-	5/8	-	-	-	5/6(5)	5/8	-	-	-	5/8-23
CUCKOO, BLACK-BILLED	5/9→	5/27→	-	5/21→	P	5/20→	5/8→	6/6→	P	-	5/8→
YELLOW-BILLED	-	5/23→	5/7→	5/14→	5/15→	5/6→	5/8→	6/8→	P	-	5/8→
OWL, BARN	-	R	R	R	R	-	-	R	R	-	-
BARRED	R	R	R	R	R	R	R	R	R	-	R
NORTHERN SAW-WHET	-	-	-	-	-	-	-	5/8	-	-	-
NIGHTHAWK, COMMON	-	-	-	4/23→	-	5/8→	6/3→	6/6→	-	6/4	5/12→
WHIP-POOR-WILL	-	-	-	4/23-30(24)→	-	4/26→	4/30→	6/30→	P	-	-
SWIFT, CHIMNEY	5/9→	5/8→	-	4/21→	4/26→	4/22→	4/28→	4/30(7)→	P	4/28→	-
HUMMINGBIRD, RUBY-THROATED	-	5/7→	4/28→	4/28→	4/27→	4/23→	5/4→	5/8→	P	-	5/12(12)→
WOODPECKER, RED-HEADED	-	-	-	-	5/19	A	-	-	A	-	R
SAPSUCKER, YELLOW-BELLIED	A	4/6-20(6)→	-	→4/1	-	→5/1	-	R	P	5/7	→4/28
FLOCKER, NORTHERN	A	A	R	R	R	R	A	A-4/18(8)	R	P	R
WOOD-PEWEE, EASTERN	P	5/15→	4/24→	5/6→	P	5/8→	5/8-22(4)→	5/16→	P	5/23→	5/8→
FLYCATCHER, YELLOW-BELLIED	-	-	-	-	-	-	-	-	P	-	-
ACADIAN	5/9→	-	5/15→	5/6→	P	5/5→	5/8→	6/8→	P	-	5/8→
ALDER	-	-	-	-	-	6/6→	6/8→	6/8→	-	-	-
WILLOW	-	-	-	5/22→	P	5/12→	5/11→	6/8→	P	5/16→	5/8→
LEAST	5/2→	5/5→	-	5/21→	-	4/25→	5/4→	5/8→	P	4/28→	4/26-5/7
PHOEBE, EASTERN	A	A	A	A	A	A	A	A-4/18(5)	A	4/8→	A
FLYCATCHER, GREAT CRESTED	P	5/29→	5/19→	4/23-5/6(10)→	P	5/1→	4/29→	5/8→	P	5/23→	5/7→
KINGBIRD, EASTERN	-	5/18→	5/5→	4/29→	5/3→	5/6→	4/29-5/11(5)→	5/8→	P	5/7→	5/8→
VIREO, WHITE-EYED	5/2→	5/8→	5/15→	4/30→	5/1→	5/1	4/23→	-	P	-	5/7→

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	FAYETTE	FOREST	FRANKLIN	FULTON	GREENE	HUNTINGDON	INDIANA	JEFFERSON	JUNIATA	LACKAWANNA	LANCASTER
WORM-EATING	-	-	4/16→	5/2-6(12)→	5/22→	4/29→	6/8→	-	P	-	5/8→
OVENBIRD	5/2-6(15(21)→	5/5→	4/28→	4/30-5(6(22)→	5/1→	4/26→	5/4→	5/1→	P	5/7→	4/28→
WATERTHRUSH, NORTHERN	-	-	-	5/6	-	5/1→	5/1-11	5/8	P	-	5/7-8
LOUISIANA	4/5→	-	4/14→	A	4/3→	4/4→	4/6→	4/15→	P	-	4/3→
WARBLER, KENTUCKY	5/4→	-	-	5/8	5/4→	MAY→	5/8→	5/8→	P	-	5/8→
MOURNING	-	5/29→	-	-	-	-	-	5/8	5/8	-	-
YELLOWTHROAT, COMMON	5/2→	5/8→	4/28→	4/30(5)→	5/1→	4/25→	5/1→	5/8→	P	5/7→	5/5→
WARBLER, HOODED	5/2-6(16(27)→	5/8→	5/20→	4/25-5(6(5)→	P	4/28→	5/6-18(10)→	5/1→	P	-	5/8
WILSON'S	-	5/8	5/13	-	-	5/8-18	-	-	5/9	5/22	5/8
CANADA	6/11-16(9)→	5/8→	5/7	5/6	-	5/9→	5/8→	5/8	P	-	5/7-19
CHAT, YELLOW-BREASTED	5/2→	5/8→	5/15→	4/30(4)→	P	5/6→	5/5→	6/8→	P	-	5/7→
TANAGER, SCARLET	6/11(13)→	5/4-17(14)→	4/28→	4/30-5(6(13)→	5/1→	5/2→	5/4→	5/1→	P	-	5/7→
TOWHEE, EASTERN	A	4/14-5(17(7)→	4/14→	A-5(6(13)	A	4/5→	A	4/12→	A	4/24→	R
SPARROW, AMERICAN TREE	-	→4/21	-	-	-	-	-	-	A	-	→4/3
CHIPPING	4/5→	A	4/4→	A	A	A	4/8→	4/27(18)→	A	4/8→	4/17→
FIELD	A	4/22→	4/2→	R-4(15(6)	4/2→	4/3→	A	4/12→	A	5/7→	R
VESPER	-	-	-	4/3→	-	P	4/29→	4/27→	A	5/7→	R
SAVANNAH	-	4/21→	-	5/6→	4/27→	P	4/22→	4/27→	4/4→	-	R
GRASSHOPPER	-	-	5/13→	4/30→	P	P	5/6→	4/27→	P	5/2→	R
HENSLOW'S	-	-	-	-	-	-	5/8(6)	5/1→	-	-	5/8→
FOX	→4/5	4/4-13(5)-22	-	-	-	→4/18	→4/23	4/1	P	-	-
LINCOLN'S	-	-	-	-	-	-	5/8	-	P	-	5/8-19(4)
SWAMP	-	4/22→	4/24→	-	A	A	A-5(6(4)	4/1→	P	5/1→	R
WHITE-THROATED	→4/14	→5/14	→4/28	→4/30(4)-5/6	-	→4/28(10)-5/10	→4/23(8)-5/8	→5/1	P	5/2	→5/18
WHITE-CROWNED	-	4/26-5(5(7)-21	P	4/25	-	→5/13	5/4-5/8	5/8	P	-	→5/8
JUNCO, DARK-EYED	P	A-4(11(31)	→4/17	→4/3(18)-16	-	R	→4/1(7)-5/8	R	→5/23	-	→4/19
GROSBEEK, ROSE-BREASTED	6/11-15(9)→	4/29-5(18(8)→	5/7→	5/6(9)→	4/24→	5/1→	4/23→	5/1→	P	-	5/5→
BLUE	-	-	-	-	-	-	-	-	-	-	5/8→
BUNTING, INDIGO	5/10→	5/5-21(14)→	5/8→	5/6→	P	5/1→	5/5→	5/1→	P	-	5/7→
BOBOLINK	5/4	5/8→	5/16(1)→	5/6→	5/5→	5/8→	5/8→	5/8→	P	-	5/8→
BLACKBIRD, RED-WINGED	A	A-4(2(12)	A	A	A	A	A	A	A	A	A
MEADOWLARK, EASTERN	A	5/8→	A	A	A	A	A	A	A	A	A
BLACKBIRD, RUSTY	-	-	-	-	-	→4/29	-	-	P	-	-
GRACKLE, COMMON	A	A-4(15(22)	A	A	A	A	A	A	A	A	R
COWBIRD, BROWN-HEADED	A	A	A	A	A	A	A	A	A	A	R
ORIOLE, ORCHARD	5/9→	5/13→	5/13→	5/2(3)	4/27→	4/25→	5/5→	5/1→	P	-	5/8→
BALTIMORE	5/9→	5/4-23(6)→	5/7→	5/6→	5/1→	4/28→	4/24→	5/8→	P	-	5/7→
FINCH, PURPLE	A	R	4/10-28	→4/3(4)	-	-	A-5(4(7)	R	→6/24	-	→5/8

	LAWRENCE	LEBANON	LEHIGH	LUZERNE	LYCOMING	MERCER	MONROE	MONTGOMERY	MONTOUR	PERRY	PHILADELPHIA
LOON, RED-THROATED	-	-	-	4/17	-	-	-	4/10	-	-	-
COMMON	4/13-24	4/12-16(50)-26	4/7-10(8)	→4/15(9)-5/16	4/16(4)-5/30	4/5	-	4/1-11(58)-5/23	4/1-17(4)-5/1	4/14	→5/25(5)-5/15
GREBE, PIED-BILLED	→5/30	→4/16(4)	-	→4/18	4/16-20	→5/8	-	→4/23	→4/10	4/14	→4/7(6)
HORNED	4/18	→4/16	-	P	4/16-17(13)	4/18(20)-26	-	4/4(11)-20	4/6-7	4/14	-
RED-NECKED	-	-	-	4/16-18(3)-19	-	-	-	4/10	-	-	-
CORMORANT, DOUBLE-CRESTED	4/4-18(43)-5/13	A-4(25(47H)	4/7-25(11)	A	5/30	4/17-24(150+)-30	-	4/2-5/7(52)→	4/24-17(15)-6/16	4/29	A(318H)
BITTERN, AMERICAN	-	-	-	4/24→	4/27	-	-	4/28	4/30-5/16	-	4/11
HERON, GREAT BLUE	r	R-4/16(18H)	A	R	4/4(4)→	A	A	A	R	A	R
EGRET, GREAT	5/22-6/16	4/25	-	6/25→	-	5/25	-	4/19-5/22	-	-	4/30→
SNOWY	-	-	-	-	-	-	-	-	-	-	6/15→
HERON, GREEN	5/4→	4/25→	4/15→	4/24→	5/22→	4/18→	5/14→	4/23→	4/23→	P	APR→
NIGHT-HERON, BLACK-CROWNED	-	R-4/8(62)	-	5/12→	-	-	-	-	-	-	A
VULTURE, BLACK	A	R	A	A	A-5(31(17)	A	A	R	A	A	R
TURKEY	-	-	-	-	-	-	-	→4/22(120)	-	-	-
GOOSE, SNOW	-	A(15)	-	4/18-5/8	-	-	-	-	-	-	-

SEASONAL OCCURRENCE TABLES - APRIL THROUGH JUNE 1999

	LAWRENCE	LEBANON	LEHIGH	LUZERNE	LYCOMING	MERCER	MONROE	MONTGOMERY	MONTOUR	PERRY	PHILADELPHIA
CANADA	R	R	R	R	R	R	R	R	R	R	R
SWAN, MUTE	-	-4/9(4)	-	-	-	-	-	-	-	-	R
TUNDRA	-	-5/7	-	-	4/20(4)	-	-	-	-	-	R
DUCK, WOOD	A	A	A	R	5/22→	A-4/12(6)	A	A-5/2(6)	4/29→	A	R
GADWALL	-	4/10	-	-5/7	-	-4/2	-	-5/2	-	-	P
WIGEON, AMERICAN	-	-4/25(4)	-	-5/9	-	-	-	-4/4	-	4/14	P
DUCK, AMERICAN BLACK	P	R	-	R	4/17	-	-	-5/2	-4/12	-	R
MALLARD	R	R	R	R	R	R	R	R	R	R	R
TEAL, BLUE-WINGED	4/2-17(10)-5/8	4/25(5)	-	4/18-5/8	-	-MAY	-	4/22	4/22	4/29(3)	-
SHOVELER, NORTHERN	4/2-17(29)	-4/30	-	-	-	-4/17(23)	-	-	-	-	P
PINTAIL, NORTHERN	-	-	-	-	-	4/5(6)	-	-	-	-	P
TEAL, GREEN-WINGED	-	-4/2(7)-9	-	-5/16	-	-4/17	-	-4/18(9)-20	-5/1	-	P
CANVASBACK	-	-	-	-	-	4/18	-	-	-	-	P
REDHEAD	4/2-22	-	-	-	-	-	-	-	4/17	-	-
DUCK, RING-NECKED	4/2-18(200+)-5/8	-4/10(24)-5/8	-	-4/22	-	-4/18(6)-5/1	-	-4/19(5)	-4/28(5)	-4/14(8)	P
SCAUP, GREATER	4/4-9	-4/25	-	P	-	-	-	-	-	-	-
LESSER	4/2-17(30)	-4/25	-	-4/24	4/16-20	-5/8(6)	-	-4/20(13)-20	-	-	P
OLDSQUAW	-	4/16	-	4/4(6)	4/4(5)	-	-	4/5	-	-	-
BUFFLEHEAD	4/9(8)-16	-6/7L	4/10	-5/8L	4/4-16(13)-20	-4/5(20)-17	-	-4/15(20)	-4/17(24)-5/2	-4/29	APR
GOLDENEYE, COMMON	-	-	4/4	-5/17L	-	-	-	-	-	-4/29	-
MERGANSER, HOODED	4/2-4	-4/8(4)	-	R	4/16	A	4/5	-4/15(4)	-	-	APR
COMMON	-	-	-	R	R	5/8	R	-5/2	-6/14(5)	-	-
RED-BREASTED	4/2-5/4	4/16	-	-4/9	R	4/5(15)	-	-4/15(4)	4/24	-	APR
DUCK, RUDDY	4/4-18(6)-5/8	-4/16(25H)	4/4(4)	-4/16(4)	4/16(25)-20	4/23-5/7	-	-4/15(4)	-4/16(36)-17	4/14	APR
OSPREY	4/17-24	4/12→	4/7	5/8→	4/22-5/30	4/17→	P	A	4/17-29	4/29	P
EAGLE, BALD	-	A-5/8(3)	4/27	A	5/9→	A	4/27	4/5-6/30	4/24	A	-
HARRIER, NORTHERN	R	-5/9	-	A	-	-5/1	-	4/1-5/21	-4/24	-	MAY
HAWK, SHARP-SHINNED	R	R	R	R	R	R	R	R	A	R	APR
COOPER'S	R	R	R	R	R	R	R	R	A	R	APR
GOSHAWK, NORTHERN	-	R	-	R	-	-	R	-	-	A	-
HAWK, RED-SHOULDERED	4/24-5/14(5)→	R-6/4(7)	-	R	6/26→	R	R	-	-	A	4/17-18
BROAD-WINGED	5/7→	4/17→	APR→	4/18→	-	4/11→	P	4/26→	4/7→	4/14→	APR→
RED-TAILED	R	R	R	R	R	R	R	R	R	R	R
KESTREL, AMERICAN	R	R	R	R	R	R	R	R	R	R	R
MERLIN	4/17	4/10	-	-	-	4/1	-	-	-	-	-
FALCON, PEREGRINE	-	-	-	-	A	-	-	-	-	-	R(10)
BOBWHITE, NORTHERN	-	R	-	P	-	-	-	-	-	-	-
RAIL, VIRGINIA	4/24→	-	-	4/27→	-	5/8	-	4/25	-	-	4/22
SORA	4/24→	-	-	5/3→	-	5/8	-	-	-	-	-
MOORHEN, COMMON	4/24→	-	-	-	-	-	-	-	-	-	-
COOT, AMERICAN	-4/24(12)→	-4/16(5)	-	-4/23(10)	-	5/30	-	4/10-30	-	5/7-9	R
POLOVER, BLACK-BELLIED	-	-	-	-	-	-	-	-	-	-	-
SEMPALMATED	-	5/21	-	5/9	-	5/27	-	5/9-23	-	-	-
KILLDEER	A	R	A	-	4/16→	A	P	A	A	A	R
YELLOWLEGS, GREATER	4/2-11(12)-5/4	4/10-5/8	-	4/18-5/16	-	4/8-19(10)-5/8	-	5/4-7	-	-	A
LESSER	5/4	4/10-5/8(8)	-	4/23-5/13	-	5/8(8)-21	-	6/30(4)	-	4/14	A
SANDPIPER, SOLITARY	5/4	4/25-5/14	-	4/23-5/22	4/27-5/22	4/23	5/6	4/18-5/7(14)-13	4/29	4/29	-
SPOTTED	4/22-5/22(4)	4/25→	-	4/25→	5/22-30(15)	4/24→	P	4/9-5/21	4/28	4/29(3)	A
UPLAND	4/15-17(6)	-	-	-	-	-	-	-	-	-	-
SANDPIPER, SEMIPALMATED	-	5/7	-	5/9	-	5/21-28	-	-	-	-	APR
LEAST	-	5/7(81H)-29L	-	5/8-22	-	5/8	-	5/7-21(12)	-	-	APR
WHITE-RUMPED	-	5/7	-	-	-	-	-	-	-	-	-
PECTORAL	-	4/25E-5/7	-	-5/11	-	5/8	-	-	-	-	-
DUNLIN	-	-	-	5/8	-	5/28(4)	-	-	-	-	-
SNIPE, COMMON	4/2(10)→	-5/7	-	-5/16	-	4/18-5/7	4/5	-4/30	-	-	APR
WOODCOCK, AMERICAN	A	A	A	A	-	A	A	A	A	A	A
GULL, LAUGHING	-	-	-	-	-	-	-	5/7-19	-	-	4/8→

SEASONAL OCCURRENCE TABLES - APRIL THROUGH JUNE 1999

	LAWRENCE	LEBANON	LEHIGH	LUZERNE	LYCOMING	MERCER	MONROE	MONTGOMERY	MONTOUR	PERRY	PHILADELPHIA
BONAPARTE'S	4/11(6)-5/22	4/4(12)-26	-	4/3(60)-26	-	4/18(22)-5/7	-	4/9-20(22)	4/24(7)-28	-	-
RING-BILLED	4/4(4)-16	A	-	A	4/16	A	-	-	R	A	A
HERRING	4/13	-	-	-	-	4/17	-	-	-	P	A
GREAT BLACK-BACKED	-	-	-	-	-	-	-	-	-	P	A
TERN, CASPIAN	4/17	5/8	-	-	-	-	-	-	-	-	-
COMMON	-	-	-	-	4/16	-	-	-	-	-	-
FORSTER'S	4/11	-	-	-	4/17	-	-	-	-	-	-
CUCKOO, BLACK-BILLED	5/7	6/4	-	5/21	6/12	5/9	5/14	-	-	-	APR
YELLOW-BILLED	-	5/16	-	5/26	5/22	5/18	-	5/16	-	P	MAY
OWL, BARN	R	R	R	R	R	R	R	R	R	R	R
BARRED	R	R	R	R	R	R	R	R	R	R	R
NORTHERN SAW-WHET	-	A	-	R	-	-	A	-	-	-	-
NIGHTHAWK, COMMON	5/14	5/12	-	5/11	-	5/18	-	5/12-21(12)	-	-	P
WHIP-POOR-WILL	-	6/4	-	4/28-5/22(68)	5/13	-	4/28	-	-	4/22	-
SWIFT, CHIMNEY	P	4/17	4/15	4/25	4/22E	4/25	P	4/26	4/10	4/14	4/15
HUMMINGBIRD, RUBY-THROATED	5/4	5/15	-	5/8	4/22	4/28	4/30	4/27	5/2	4/25	MAY
WOODPECKER, RED-HEADED	5/12	R	-	-	4/3	4/25-5/8	P	4/27	5/2	-	-
SAPSUCKER, YELLOW-BELLIED	4/23-24	-	-	4/14	-	-	R	4/17	-	P	-
FLICKER, NORTHERN	R	R	R	R	4/30	R	R	R	R	A	R
FLYCATCHER, OLIVE-SIDED	-	5/9	-	5/8	-	-	-	-	-	-	-
WOOD-PEWEE, EASTERN	5/5	5/7(2H)	5/3	5/8	5/31(4)	5/5	5/14	5/9-14(6)	-	4/24	MAY
FLYCATCHER, YELLOW-BELLIED	-	5/15	5/29	-	5/31	5/18	-	5/19	-	-	-
ACADIAN	5/8-10(10)	5/15	5/29	5/16	5/31	5/18	-	5/19	-	4/29	P
ALDER	5/30	5/16	-	5/26	-	5/17-6/24	-	-	-	-	-
WILLOW	5/8	5/14	-	5/8	5/19	5/14	-	5/13	5/16	5/12	P
LEAST	5/4	4/25	-	4/24	5/5	4/26	5/14	-	5/1	-	5/10-15
PHOEBE, EASTERN	A	A	A	A	5/5	A	A	A	A	4/14	A
FLYCATCHER, GREAT CRESTED	5/4	5/2	-	5/1	5/5-22(7)	4/26	4/29	4/29	4/6	5/5	P
KINGBIRD, EASTERN	4/24	5/2	-	5/8	5/22	4/27-5/7(4)	5/14	4/25	5/2	4/29	4/25
VIREO, WHITE-EYED	4/22	4/25	-	-	5/22	5/8	-	5/2	5/2	4/29	P
BLUE-HEADED	4/8-5/21	4/17	-	4/16	5/5	4/11	4/22	4/11	-	4/14	APR-MAY
YELLOW-THROATED	5/4	5/7(7H)	-	5/1	-	4/29	5/14	4/30	-	4/29	P
WARBLING	4/24	5/7	-	5/8	JUN	4/30	5/14	5/2	-	4/29	P
PHILADELPHIA	-	-	-	-	-	5/9-13	-	-	-	-	-
RED-EYED	5/4	5/2	-	4/27	5/20	5/4	5/14	5/7	5/17	4/29	MAY
CROW, FISH	R	R	R	R	4/22	-	P	A	A	A	R
RAVEN, COMMON	-	R	-	R	R	-	-	-	-	R	-
LARK, HORNED	R	R	4/8(30)	R	-	A	-	-	A	A	-
MARTIN, PURPLE	4/14	4/25	4/10(4)	5/8	4/2	A-6/22(15)	5/11(12)	APR	4/21(6)	-	-
SWALLOW, TREE	A	A-4/9(400)	4/10(10)	A	A-4/17(100+)	A	A	A-4/17(250)	5/2	A	A
NORTHERN ROUGH-WINGED	4/11	4/9(6)	4/10(6)	4/4	5/15	4/8	P	4/2	4/29	4/29	A
BANK	5/4	4/9	-	4/9	5/30(40+)	5/8	-	5/20	6/24	5/12	A
CLIFF	-	4/23	-	5/1	5/1	4/22-5/6(40+)	-	-	5/24	5/12(12)	A
BARN	4/9	4/9	-	4/14	APR	4/7	P	4/10	4/25	4/29	-
CHICKADEE, CAROLINA	R	R	R	-	-	-	-	R	-	R	R
BLACK-CAPPED	R	R	R	R	R	R	R	R	R	R	-
NUTHATCH, RED-BREASTED	-	6/4	-	R	-	-	-	-	-	A	-
CREEPER, BROWN	4/2	R	6/21	R	R	-	-	-	-	A	-
WREN, HOUSE	4/24	4/25	-	5/1	5/5	4/24	4/29	4/23	4/29	4/28(5)	P
WINTER	-	-	4/4	R	-	-	R	-	-	A	5/1
MARSH	-	-	-	R	-	5/8	-	-	-	-	P
KINGLET, GOLDEN-CROWNED	-	R	-	R	-	4/9(18H)	P	4/7	-	A	P
RUBY-CROWNED	4/9-5/5	-	-	-	4/28	4/5-12(6)-5/8	P	-	4/12	-	P
GNATCATCHER, BLUE-GRAY	4/9	4/16-5/1(13H)	-	4/19	5/5	4/11	4/17	-	4/29	4/29	P
VEERY	5/8-21	5/2	-	5/8	5/26(6)	4/30-5/14	P	5/6	-	5/5	P
THRUSH, GRAY-CHEEKED	-	5/7	-	-	-	5/13	-	5/17	-	-	5/15(20)
SWAINSONS	-	5/7-19	-	5/8	-	5/5-27	-	5/7-20	-	5/12	P

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	LAWRENCE	LEBANON	LEHIGH	LUZERNE	LYCOMING	MERCER	MONROE	MONTGOMERY	MONTOUR	PERRY	PHILADELPHIA
HERMIT	4/8-24		4/4	A	5/19→	4/1-5/13	P	4/17-5/5	-	A	→4/20
WOOD	5/8→	4/26-5/7(45)→	-	4/30→	5/18-22(9)→	4/26→	5/14→	4/28→	6/5→	5/5(7)→	4/27→
ROBIN, AMERICAN	R	R	R	R	R	A	R	R	R	A	R
CATBIRD, GRAY	5/8→	A-5/7(35)	-	5/1→	5/9-26(6)→	4/27→	P	4/6→	5/11→	4/14→	P
THRASHER, BROWN	4/24→	4/16(6H)→	4/26→	A	JUN→	4/6→	-	APR→	5/11→	4/29→	P
PIPT, AMERICAN	4/17(20+)	→4/10(250)-5/14L	-	→5/2(17)	-	4/4-18(35)-5/15	-	-	4/8(5)	-	-
WARBLER, BLUE-WINGED	5/4→	5/2-7(12)→	-	5/3→	5/22→	4/30-6/12(5)→	5/14→	5/2→	-	4/28→	P
GOLDEN-WINGED	-	-	-	5/7→	-	-	5/6→	-	-	5/5→	P
TENNESSEE	5/9	5/5-7	-	5/10-15	-	5/6-17	-	5/9	-	-	P
ORANGE-CROWNED	5/13	-	-	-	-	-	-	-	-	-	-
NASHVILLE	5/4	5/2-19L	-	4/23→	-	5/2-15	5/28→	5/6	-	5/5	P
PARULA, NORTHERN	5/7→	5/1-7(7H)→	-	5/1→	4/30→	4/28→	5/14(4)→	4/25→	4/27→	4/28→	4/8→
WARBLER, YELLOW	4/23→	4/25→	-	5/1→	4/30→	4/22→	5/6(4)→	4/23→	5/1→	4/25→	P
CHESTNUT-SIDED	5/4→	5/7→	-	4/30→	5/5-26(5)→	5/2-6/24(5)→	5/14→	5/2→	5/8→	5/5→	P
MAGNOLIA	4/24	5/7-19(30H)→	-	5/6→	5/19→	5/5→	P	5/5-16	5/8→	5/5→	P
CAPE MAY	-	5/15L	-	-	-	5/7-11	-	-	-	-	-
BLACK-THROATED BLUE	5/7	4/25-5/7(16H)→	-	5/6→	5/5→	5/4-20	P	4/28-5/16	-	5/5→	P
YELLOW-RUMPED	4/17-5/8	→5/7(300)-12	5/5(4)	A	4/17→	4/5-5/20	4/28(10)→	→4/22(133)-5/16	4/24-5/9(10)	→5/22	P
BLACK-THROATED GREEN	4/24-5/8	5/7(14)→	5/5→	4/24→	5/5-26(4)→	4/21(8)→	4/26→	5/4-13	-	5/5→	P
BLACKBURNIAN	5/4	5/5-7(6H)	5/5→	5/1→	5/20-23(5)→	5/1→	5/6→	5/6-16	-	4/28-5/28(31)→	P
YELLOW-THROATED	4/24→	-	-	-	-	-	4/7→	4/7→	-	4/10→	5/5
PINE	-	→4/25	-	4/3→	-	4/11-14	P	4/2-5/16	P	4/3	P
PRAIRIE	-	4/28-5/1(9H)→	-	4/27→	5/20→	5/6	P	4/27→	-	4/29→	P
PALM	4/24	4/16-25	-	4/22	-	4/23-30(12)-5/14	-	4/7-10(12)-5/13	4/24(8)	-	P
BAY-BREADED	-	5/19	-	5/6-12	-	5/5-19	-	5/9-16	-	5/5	P
BLACKPOLL	5/13	5/8-6/1	-	5/8-29	-	5/9-27	5/14	5/5-20	-	5/5-28	P
CERULEAN	5/4→	5/19→	-	5/16→	-	5/5→	P	5/7→	-	5/5→	P
BLACK-AND-WHITE	4/24-5/4(5)→	5/1→	4/25→	4/25→	5/19→	4/26→	4/28→	4/23-5/7(4)→	4/29→	4/29→	P
REDSTART, AMERICAN	5/5→	5/5→	-	4/30→	5/19-26(5)→	4/25→	5/6→	5/5→	5/6→	4/29→	P
WARBLER, PROTHONOTARY	-	-	-	-	-	-	-	-	-	-	4/24-6/27
WORM-EATING	-	5/1→	-	5/8→	5/5	-	P	5/7-17(4)→	-	5/5→	4/26
OVENBIRD	5/5→	4/28→	-	5/4→	5/5-23(9)→	5/1→	5/6→	4/30→	P	4/29→	4/18→
WATERTHRUSH, NORTHERN	-	5/2→	-	5/4→	4/28→	4/30→	5/28→	4/25-5/22	-	5/12	P
LOUISIANA	P	4/7→	4/16→	4/14→	4/18→	4/9→	4/15→	4/7→	-	4/29→	P
WARBLER, KENTUCKY	5/11→	5/7→	-	-	-	5/11→	-	5/7-JUN	-	5/12→	5/9-17
MOURNING	-	5/19	5/29	5/10	-	5/9→	-	-	-	-	-
YELLOW-THROAT, COMMON	5/4→	4/25→	-	4/30→	5/5-22(6)→	4/27→	5/6→	4/23→	5/1(3)→	4/29→	P
WARBLER, HOODED	5/5→	5/7→	-	5/8→	5/23	4/30-6/24(15H)→	5/14→	5/29→	-	5/5→	P
WILSON'S	5/5-10	5/12	-	5/11-13	-	5/14-18	-	5/10-22	-	-	5/15(7)
CANADA	-	5/19(40)→	-	5/6→	5/31→	5/11-22	5/18→	5/7-28	-	5/5→	P
CHAT, YELLOW-BREADED	4/24→	5/9→	-	5/17	-	4/27	-	-	-	4/29→	-
TANAGER, SCARLET	5/5→	5/2→	-	5/6→	5/19-23(8)→	5/1→	5/14→	4/30→	5/6→	5/5→	P
TOWHEE, EASTERN	4/4→	R-5/2(49H)	A	4/24→	4/19→	A	P	A	4/27→	A	R
SPARROW, AMERICAN TREE	-	-	-	-	-	→4/22	-	-	-	P	-
CHIPPING	5/4→	5/4→	4/10(7)→	4/4→	4/8→	4/5→	4/7→	4/2→	-	-	-
FIELD	4/4→	R-5/2(25H)	A	R	5/5→	4/2-12(5)→	P	A	4/12→	A	4/5→
VESPER	5/4→	A	6/19→	5/16→	-	4/30	-	-	-	4/14→	4/17→
SAVANNAH	4/25→	R	4/24→	4/24→	-	-	-	-	-	-	-
GRASSHOPPER	4/25→	5/7→	6/19→	5/8→	-	5/1	-	-	-	4/29→	-
HENSLOW'S	4/25→	4/3	-	-	6/12→	6/12→	-	-	-	-	-
FOX	4/17	-	4/21	-	4/10	4/3-5/3	-	-	-	4/14	-
LINCOLN'S	-	5/9-19(8)	-	4/8E	5/11(3)	5/18	-	5/13	-	5/12	5/2
SWAMP	4/11→	R	5/21	R	-	4/3→	P	→5/13	-	A	R
WHITE-THROATED	→4/17(9)	→5/9(25)	-	R	4/17-5/1	→4/19(6)-5/10	R	→5/9	→5/10	→5/12	→MAY
WHITE-CROWNED	→5/8	→5/14	-	5/8	-	4/29-5/12	R	→5/13	→5/10	→5/5	-
JUNCO, DARK-EYED	P	R	-	R	R	→4/23(8)-6/24L	R	→4/23	→4/14	A	-
GROSBEAK, ROSE-BREADED	5/4→	5/2-7(12)→	-	4/24→	5/5→	4/23-6/10(6)→	5/6-10(8)→	4/30-5/20	5/2→	5/5→	-

SEASONAL OCCURRENCE TABLES - APRIL THROUGH JUNE 1999

	LAWRENCE	LEBANON	LEHIGH	LUZERNE	LYCOMING	MERCER	MONROE	MONTGOMERY	MONTOUR	PERRY	PHILADELPHIA
BLUE	-	-	-	-	-	-	-	-	-	-	-
BUNTING, INDIGO	5/5→	5/7→	-	5/6→	5/7→	5/5→	5/14→	5/7→	5/8→	4/29→	5/13→
BOBOLINK	5/4(15)→	5/7→	5/21	5/4→	P	4/27→	-	5/13→	-	5/12	P
BLACKBIRD, RED-WINGED	A-4/17(200+)	R	A	R	A	A	A	A	A	A	R
MEADOWLARK, EASTERN	5/8→	R	-	A	P	A	-	A	5/6→	A	P
BLACKBIRD, RUSTY	4/22(7)-5/11	-	-	4/27(27)	-	-	-	5/4	-	-	P
GRACKLE, COMMON	A	R	A	R	A	A	A	A	A	A	R
COWBIRD, BROWN-HEADED	A	R	A	R	A	A	A	A	A	A	R
ORIOLE, ORCHARD	5/12→	5/7→	-	5/8→	-	4/27→	5/14→	5/4→	-	5/5→	P
BALTIMORE	5/4→	5/2-7(23)→	-	5/5→	5/5-22(6)→	4/23→	5/6→	4/24→	5/6→	5/5→	P
FINCH, PURPLE	4/24	-	-	R	5/6	-	R	-	-	4/21	-

	PIKE	POTTER	SCHUYLKILL	SOMERSET	SULLIVAN	SUSQUEHANNA	TIOGA	UNION	VENANGO	WESTMORELAND	WYOMING	YORK
LOON, RED-THROATED	-	-	-	-	-	-	-	-	4-9-24	-	-	4/20(7)
COMMON	4/9	4/9	→5/16	-	→4/16(40)-6/3	4/14	-	-	→5/30	4/2(6)-20	-	→4/17(5)-29
GREBE, PIED-BILLED	-	→5/2	→5/12	-	4/5-5/2	4/1-20	→4/8	-	→4/25	P	4/1→	→4/9(100+)-6/11
HORNED	-	4/4-6/4	→5/16	-	4/9-30	4/5-6	4/4(5)-18	-	4/9-5/8	→4/20(20)-5/1	4/1	→5/8
RED-NECKED	-	-	-	-	-	-	4/22	-	-	4/19	-	-
CORMORANT, DOUBLE-CRESTED	5/8-6/22	4/11	4/8-6/4	-	-	-	4/8-24(76)-6/22	5/10(5)	4/6-5/30	4/1-18(10)-6/16	4/24-5/8	→5/28
BITTERN, AMERICAN	-	4/29	4/9-5/8	-	-	-	5/1→	-	-	P	A	-
HERON, GREAT BLUE	R	A	A	-	A-4/5(8)	4/5→	A-5/1(18)	A-6/16(3)	A	R	A	R
EGRET, GREAT	-	-	4/8-5/29	-	-	-	-	-	4/17-18	4/27	-	4/1-6/4
SNOWY	-	-	5/8	5/8	-	-	-	-	-	-	-	-
HERON, GREEN	4/11→	4/22→	4/20→	-	4/29→	6/7→	4/23→	5/7→	4/23→	P	4/28→	4/10→
NIGHT-HERON, BLACK-CROWNED	-	-	5/8	-	-	-	-	-	-	-	5/31→	4/17-5/20(50+)→
VULTURE, BLACK	-	-	A	-	-	-	-	-	-	-	-	R
TURKEY	A	A	A	A	A	A	-	-	-	-	-	-
GOOSE, SNOW	-	-	4/4(130)	-	-	-	→4/11(5)	A-4/25(10)	A	A	A-4/12(200)	-
CANADA	R	R	R	R	R	R-6/7(26)	R	R	R	R	R	R
SWAN, MUTE	R	R	R	-	-	-	6/11	-	5/8	R	-	R
TUNDRA	-	→4/8	5/12(5)	-	4/16-23	-	-	→5/6	-	-	-	→4/7
DUCK, WOOD	A-6/22(6)	A	R	A	A	-	A	A	A	A-4/18(18)	A	A
GADWALL	-	4/4	-	-	-	-	-	-	4/10-18	P	4/26	-
WIGEON, AMERICAN	-	→4/15	-	-	-	-	→4/8(3)	-	4/10-24	→4/18(4)	-	→4/18
DUCK, AMERICAN BLACK	A	A	→4/17(4)	-	A	-	A	-	5/8	P	-	R
MALLARD	R	A	R	A	A	R	R	R-6/1(50)	4/17-5/8	R	R	R
TEAL, BLUE-WINGED	-	→4/4	4/5-26(6)	-	4/16-5/8	-	→4/24	4/24	4/17(50)-24	4/1	-	→5/8
SHOVELER, NORTHERN	-	-	-	-	-	-	4/4	-	4/17(50)-24	P	-	-
PINTAIL, NORTHERN	-	-	-	-	-	-	-	-	4/18	P	-	→4/12
TEAL, GREEN-WINGED	-	A	→4/17	-	5/8-22	4/1(6)→	→4/18	-	4/18	P	→5/8	→5/6(15)
CANVASBACK	-	4/4	-	4/20(6)	-	-	-	-	4/18	P	-	-
REDHEAD	-	-	-	-	-	-	-	-	4/18	P	-	-
DUCK, RING-NECKED	-	→4/10	→4/23(5)	-	→4/2(66)-5/8	-	→4/18	-	4/10-5/30	P	→4/14(6)	→5/8
SCAUP, GREATER	-	4/4	-	4/12	-	-	-	-	4/17-18	→4/17(9)	4/23(4)	5/8(8)
LESSER	-	→4/9	→4/22	-	4/16(70)-5/8	4/20	→4/18	-	4/17-18	→4/3(41)-25	4/18-20(7)-22	→5/7
SCOTER, SURF	-	4/23(3)	-	-	-	-	-	-	4/23	-	4/27	-
WHITE-WINGED	-	-	-	-	4/16	-	-	-	4/17-18	4/17-20(3)	-	-
OLDSQUAW	-	4/4(10)	-	-	-	-	-	-	4/17-18	-	-	-
BUFFLEHEAD	-	→4/21(9)	4/26-5/15	-	→4/4(50)-5/8	4/5	→4/18(25)-22	4/3	4/9-25	→4/20(20)	→4/3(13)-5/5	→5/8
GOLDENEYE, COMMON	-	-	-	-	4/19	-	-	-	4/18	P	-	-
MERGANSER, HOODED	-	A	→4/16	-	A	4/1	→4/29	-	A	A	→6/1	→4/2
COMMON	R	A	→4/28	-	A	-	R	5/22(3)→	A	4/10-24	R-5/28(13)	→5/8

SEASONAL OCCURRENCE TABLES - APRIL THROUGH JUNE 1999

	PIKE	POTTER	SCHUYLKILL	SOMERSET	SULLIVAN	SUSQUEHANNA	TIOGA	UNION	VENANGO	WESTMORELAND	WYOMING	YORK
RED-BREADED DUCK, RUDDY	-	4/5	4/7-26	-	4/4(20)-5/8	-	→4/18(37)	-	4/9-24	→4/20	4/22(7)	→5/8
OSPREY	-	4/19	4/20(10)	-	-	-	-	-	4/9-18(360)-5/8	→4/20(150)	4/28	4/18-5/8
EAGLE BALD	A-4/11(4)	4/23	→5/26	A	4/5-5/8	-	A-5/8(8)	4/18	4/10-25	A-5/31(4)	4/26-5/5	A
HARRIER, NORTHERN	P	4/15	→5/27	-	4/18-5/8	-	R-4/11(3)	MAY	A-5/16(4)	-	-	A
HAWK, SHARP-SHINNED	P	A	A	-	4/11→	4/1→	-	4/24	A	P	-	→5/25
COOPER'S	R	R	R	R	R	R	R	R	R	R	R	→5/8
GOSHAWK, NORTHERN	R	R	R	R	R	R	R	R	R	R	R	R
HAWK, RED-SHOULDERED	P	R	R	5/1	R	-	-	-	-	6/7	A*	-
BROAD-WINGED	4/8→	APR→	4/13→	-	5/8→	-	4/22→	APR→	APR→	4/10→	-	4/16→
RED-TAILED	R	R	R	R	R	R	R	R	R	R	R	R
EAGLE, GOLDEN	-	P	-	-	-	-	-	-	-	-	-	-
KESTREL, AMERICAN	R	R	R	R	R	R	R	R	R	R	R	R
MERLIN	-	4/14	4/21-5/2	-	-	-	4/11	4/25	-	P	-	4/22-5/8
FALCON, PEREGRINE	-	-	5/9	-	-	-	4/11	MAY	-	P	5/11	-
BOBWHITE, NORTHERN	-	-	R	-	-	6/7	5/8	-	-	-	-	R
RAIL, VIRGINIA	-	4/25-28	4/19-26	-	-	-	4/11→	-	5/8	P	4/23	4/18
SORA	-	6/11	-	-	-	-	4/15→	-	-	P	-	-
MOORHEN, COMMON	-	-	→5/8	-	4/28-30	-	-	-	-	-	-	-
COOT, AMERICAN	-	4/21	5/8	-	-	-	-	-	4/11-5/8	A-4/17(20)	→4/10	→6/5
PLOVER, SEMIPALMATED	-	-	5/8	-	-	-	-	-	-	4/19	-	5/28
KILLDEER	A	A	A	A	A	4/1-6/7(6)→	A	A-5/5(8)	A	A	A	A
YELLOWLEGS, GREATER	5/8	4/12	4/8-5/15	5/8(10)	4/28	-	4/9-5/13(8)	-	4/10-24	4/10-27(3)-5/15	5/15-16	→5/17
LESSER	-	4/22	4/11-5/8	5/8	-	-	5/8(3)	-	4/18-5/8(22)	4/8(4)	5/8-31	→5/17
SANDPIPER, SOLITARY	5/8→	4/30	4/20-5/27	-	-	-	5/1(3)	-	4/18-5/29	4/18-5/9(9)-15	5/8(4)	4/6-5/17
SPOTTED UPLAND	5/8→	4/30→	4/19→	4/12→	4/17-5/8(12)→	-	4/25-5/8(5)→	5/11→	4/23→	4/17-5/15(8)→	5/17(10)→	4/17→
SANDPIPER, SEMIPALMATED	5/8	-	5/8-30(3)	-	-	-	-	-	6/4	P	5/20	5/8-28
LEAST	5/8	5/4	5/8(11)-15	5/8(5)	-	-	5/6	-	5/8(3)	5/8-10(8)	5/20	5/7-28
WHITE-RUMPED	-	-	4/4(20)	-	-	-	-	-	-	-	-	5/28
PECTORAL	-	-	4/25-5/8(11)	-	-	-	-	-	-	→6/29	-	→5/17
DUNLIN	-	-	5/8	5/8	-	-	-	-	-	-	-	→5/8
SNIPE, COMMON	-	4/9	4/1-22	→4/4(12)	-	-	-	-	→4/18(20)-5/8	P	-	→5/6
WOODCOCK, AMERICAN	A	A	A	-	4/6→	-	A	A	A	A	A	→5/7
GULL, LAUGHING	-	-	-	-	-	-	-	-	-	-	-	5/16
BONAPARTE'S	-	P	4/20(7)-23	4/3(26)	4/22(4)	-	4/22(25)	-	4/11-24	4/5-20(80)	4/7(10)-28	→5/8
RING-BILLED	A	P	→5/8	-	4/4-5/8	-	A	A	4/5-5/30	P	→4/26(3)	A
HERRING	A	P	→4/11	-	-	-	4/2-18	-	-	P	→5/8	A
TERN, CASPIAN	-	4/23	-	4/20(12)	-	-	-	-	4/17(7)-23	4/20(3)	-	4/1-20
COMMON	-	-	-	-	-	-	-	-	-	P	-	5/8
FORSTER'S	-	-	-	-	-	-	-	4/27	4/18-22	4/20(4)	-	4/16-5/8
BLACK	-	-	-	-	-	-	-	-	-	-	-	-
CUCKOO, BLACK-BILLED	-	5/24→	5/8→	P	6/12→	-	5/28→	P	6/5/8→	5/18→	6/15→	5/8-29
YELLOW-BILLED	6/12→	6/2→	5/8→	P	6/13→	6/7→	6/10→	6/18→	5/16→	5/8→	5/8→	-
OWL, BARN	R	R	R	R	R	R	R	R	-	-	R	R
NORTHERN SAW-WHET	R	4/22→	R	-	-	-	-	-	→4/7	R	R	R
NIGHTHAWK, COMMON	P	-	5/8→	-	5/22→	-	-	-	5/17→	P	-	-
WHIP-POOR-WILL	-	-	4/22→	6/2(5)→	6/8→	-	-	-	-	P	6/2→	5/12→
SWIFT, CHIMNEY	-	5/3→	4/17→	-	5/8→	-	5/10-30(5)→	5/1-6/29(8)→	4/27→	4/22(10)→	4/27-5/28(10)→	4/20→
HUMMINGBIRD, RUBY-THROATED	MAY→	5/3→	4/17→	-	5/8→	-	5/4→	5/7→	4/29→	4/25-5/17(23)→	5/8→	4/28→
WOODPECKER, RED-HEADED	→5/15	A	→4/10	4/5	4/5→	6/7→	4/8→	-	4/10-6/6	P	→5/6	→4/29
SAPSUCKER, YELLOW-BELLIED	R	A	R	A	4/6→	6/7→	A	A	A	A	R	R
FLICKER, NORTHERN	-	-	5/13-6/5*	5/8*	5/8	6/7→	-	-	-	-	-	-
FLYCATCHER, OLIVE-SIDED	A	5/20→	5/6→	-	5/22→	-	5/21→	P	5/12→	5/6-16	5/14E	-
WOOD-PEWEE, EASTERN	P	-	-	-	5/8→	-	-	-	5/14	5/9→	5/17→	5/14→
FLYCATCHER, YELLOW-BELLIED	-	-	-	-	-	-	-	-	-	5/9-6/6	-	5/20

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	PIKE	POTTER	SCHUYLKILL	SOMERSET	SULLIVAN	SUSQUEHANNA	TIOGA	UNION	VENANGO	WESTMORELAND	WYOMING	YORK
ACADIAN	P	6/11→	5/8→	-	6/23→	-	-	MAY→	5/8→	5/5→	6/14→	5/9→
ALDER	P	6/1→	5/29	-	5/22→	6/7→	5/20→	-	6/20→	P	-	-
WILLOW	-	-	5/29→	-	5/22→	6/7→	5/8→	-	5/6→	P	5/28→	5/17→
LEAST	P	5/9→	4/30→	-	5/8→	5/4-6/7(22)→	5/1→	-	5/6→	4/24-5/9(12)→	4/26→	5/9→
PHOEBE, EASTERN	A	A	A	A	A	4/6-6/7(7)→	A	A-6/24(7)	A	A	A	A
FLYCATCHER, GREAT CRESTED	P	6/5→	4/29→	-	5/22→	6/7→	5/3→	5/22(8)→	5/4→	P	5/17-28(10)→	5/3→
KINGBIRD, EASTERN	5/7→	4/30→	5/8→	-	5/22→	6/7(6)→	5/7→	P	5/3→	P	5/5→	4/26→
VIREO, WHITE-EYED	-	-	4/24→	-	-	-	-	-	5/2-6/12	4/26→	-	4/20→
BLUE-HEADED	4/17→	4/22→	4/8→	-	A	6/7→	5/1→	5/5→	4/22→	A	4/22→	4/7-5/9
YELLOW-THROATED	4/31→	6/11→	4/29→	-	5/8→	6/7→	5/5→	4/30→	4/30→	4/28→	4/29→	4/29→
WARBLING	5/7→	-	5/5→	-	5/21→	5/12→	5/7→	5/11→	4/30→	4/22→	5/3→	5/5→
PHILADELPHIA	-	5/2	-	-	-	-	5/8	5/14	5/14	5/5-17	-	5/14
RED-EYED	5/7→	5/6→	4/29→	-	5/5→	6/7→	5/16→	6/10(10+)→	5/5→	A-5/30(32)	5/6→	4/20→
CROW, FISH	-	A	A	-	-	-	-	A	-	-	4/11→	R
RAVEN, COMMON	R	R	R	R	R	-	R	R	-	R	R	R
LARK, HORNED	-	-	-	R	-	-	R	A	A	R	-	-
MARTIN, PURPLE	P	-	A	-	-	-	-	6/15→	5/3→	4/17→	-	4/11→
SWALLOW, TREE	A	A	A	-	A-4/23(50)	4/1-9(50)→	A	5/10-6/28(10)→	A	A-4/12(650)	-	-
NORTHERN ROUGH-WINGED	P	4/24→	4/7→	-	5/5→	-	4/17→	P	4/10→	4/10-12(60)→	4/10→	A
BANK	P	4/25	4/22(12)→	-	-	-	4/24→	-	4/23→	P	4/29(150)→	5/3→
CLIFF	P	A	5/8→	-	5/8→	6/7→	4/29→	P	4/23→	P	5/4(23)→	4/27→
BARN	P	A	4/4→	-	5/2→	6/7→	4/17→	4/10→	4/11→	4/9-12(30)→	4/19→	4/2→
CHICKADEE, CAROLINA	-	-	-	-	-	-	-	-	-	R	-	R
BLACK-CAPPED	R	R	R	R	R	R	R	R	R	R	R	R
NUTHATCH, RED-BREASTED	R	R	R	R	R	R	R	-	-	R	A	-
CREEPER, BROWN	R	R	R	-	R	P	R	R	4/17→	R	R	4/9
WREN, HOUSE	APR→	5/1→	4/23→	-	4/25→	6/7(21)→	4/30→	4/25→	4/29→	4/25→	4/28→	4/25→
WINTER	R	4/24→	→5/8	-	5/22→	-	4/29→	R	→5/10	R	A	→4/10
MARSH	-	-	-	-	-	-	5/8→	-	-	-	-	4/20-6/9
KINGLET, GOLDEN-CROWNED	R	A	→5/11(3)	-	R	-	4/8(4)	P	→4/22	A	→4/10	→4/17
RUBY-CROWNED	→5/7	4/22-5/4	→5/11(3)	-	4/25-30(16)-5/12	-	4/8-5/7	→4/22	4/7-5/13	4/6-22(28)-5/14	4/9-28(12)-5/8	→5/24L
GNATCATCHER, BLUE-GRAY	4/31→	4/28→	4/15→	-	5/25→	-	4/24→	5/1(10+)→	4/17→	4/7→	4/23→	4/9→
VEERY	5/8→	5/4→	4/26→	-	5/8→	6/7→	5/8→	6/18→	5/8→	5/6→	5/8-6/7(10)→	5/5→
THRUSH, GRAY-CHEEKED	-	-	5/8(4)-10	-	-	-	-	-	-	5/9	-	5/14-20
SWAINSONS	-	-	5/8-11	-	-	-	-	-	5/12-15	5/6-8	-	5/5-19
HERMIT	P	4/10→	A	-	4/15→	6/7→	-	6/18→	4/11→	4/2→	4/26→	→5/8
WOOD	5/7→	4/4→	5/2→	-	5/7→	6/7→	5/2→	6/18→	4/29→	4/27→	5/7→	4/28→
ROBIN, AMERICAN	R	R	R	A	A	6/7→	A	R	R	R	R	R
CATBIRD, GRAY	5/7→	5/4→	4/25→	-	5/5→	5/12→	5/3→	5/6→	4/30→	5/3→	5/3→	4/29→
THRASHER, BROWN	A	5/22→	4/16→	-	4/24→	5/4→	5/3→	4/23→	4/10→	4/31→	5/3→	4/8→
PIPT, AMERICAN	-	-	→4/1	-	-	-	-	→5/15	→5/15	→5/8(15)	4/1-20(30)	-
WARBLER, BLUE-WINGED	4/11→	5/8→	5/2→	-	-	6/7→	4/30-5/30(3)→	5/31→	5/3→	4/29→	5/5→	4/26→
GOLDEN-WINGED	P	-	5/6→	-	-	-	-	5/31→	5/31	5/5→	-	-
TENNESSEE	-	-	5/8-14	-	-	-	-	P	5/1-15	5/7-20	5/15-28	5/11-23
NASHVILLE	-	5/2→	4/26→	-	5/8→	-	5/3→	P	4/25-5/14	4/29-5/9(20)-14	5/8→	5/5-11
PARULA, NORTHERN	4/24(20)→	-	4/23→	4/29→	-	-	-	P	5/1→	4/24→	5/8→	4/16→
WARBLER, YELLOW	4/30→	5/2→	4/26→	-	4/25→	5/4→	5/1→	5/1(4)→	4/24→	4/26→	4/27→	4/24→
CHESTNUT-SIDED	P	5/6→	5/2→	-	5/5→	5/5→	5/5→	6/18→	5/1→	5/9(7)→	5/4→	5/5→
MAGNOLIA	5/8→	5/8→	4/28→	-	5/8→	-	-	5/11→	5/7→	5/5-9(62)→	5/8→	5/6-20
CAPE MAY	-	-	5/8	-	-	-	-	-	5/12	5/5	5/13	5/5-7
BLACK-THROATED BLUE	P	5/16→	4/26→	-	5/8→	-	5/8→	6/18→	5/1→	5/5→	4/29→	5/5-28
YELLOW-RUMPED	A	4/26→	A	-	4/21(10)→	-	4/22→	4/29-5/5(100)-13	4/10-5/15	4/19-5/14	4/22→	→5/8
BLACK-THROATED GREEN	APR→	4/26→	4/17→	-	4/23→	6/7→	5/8→	6/18→	4/22→	4/28→	4/26→	4/28-5/12
BLACKBURNIAN	P	5/4→	4/26→	-	5/8→	-	5/2→	P	5/3→	P	5/5→	5/6-28
YELLOW-THROATED	P	-	-	-	-	-	-	4/10→	4/10→	A	-	5/9→
PINE	4/10	-	A	-	-	-	4/22→	A	4/26	P	4/10→	A
PRAIRIE	5/1→	-	4/26→	-	5/8(4)→	6/7→	-	-	4/29→	P	5/4→	5/1→

SEASONAL OCCURRENCE TABLES - APRIL THROUGH JUNE 1999

	PIKE	POTTER	SCHUYLKILL	SOMERSET	SULLIVAN	SUSQUEHANNA	TIOGA	UNION	VENANGO	WESTMORELAND	WYOMING	YORK
PALM	P	-	4/7→	-	4/30-5/12	4/27	4/22	5/8	4/29-5/13	5/16	-	5/5-8
BAY-BREASTED	-	-	5/8-13(4)	-	-	-	5/8	5/8(10+)	5/11-14	5/9	5/6-12	5/11-16
BLACKPOLL	-	-	5/8(4)-6/1	-	5/8	-	5/17-6/18	-	5/19-26	5/14-30	5/7E→	5/8-28
CERULEAN	P	-	5/6→	-	-	-	-	6/18→	5/3→	5/3-6(6)→	5/6→	5/8→
BLACK-AND-WHITE	5/7→	4/26→	4/24→	-	5/8→	6/7→	4/22→	6/18(10+)→	4/22→	4/21→	5/2→	5/3→
REDSTART, AMERICAN	5/7→	5/2→	4/26→	-	5/8→	6/7(19)→	5/2→	5/5→	5/1→	3/25-5/13(6)→	5/5→	5/3→
WARBLER, PROTHONOTARY	-	-	-	-	-	-	-	-	-	-	-	5/8→
WORM-EATING	-	-	4/29→	-	-	6/7→	-	6/18→	5/15→	P	4/29→	5/5→
OVENBIRD	P	5/5→	4/28→	-	5/5→	6/7(43)→	5/2→	6/22→	4/2→	4/21→	5/2→	4/25→
WATERTHRUSH, NORTHERN	5/7→	-	4/25→	-	6/12→	-	5/8→	5/22→	4/24	4/26-5/21(7)-27	5/3→	4/24-5/15
LOUISIANA	5/1→	6/11→	A	-	-	-	-	5/22→	4/3→	A	4/25→	4/4→
WARBLER, KENTUCKY	-	-	5/21-6/5	-	-	-	-	-	-	5/3→	-	5/6→
MOORING	-	5/5→	5/21	-	5/22-6/2(5)→	-	-	-	5/9-6/13	5/3-13(5)→	-	5/27-6/5
YELLOWTHROAT, COMMON	P	5/9→	4/27→	-	5/8(7)→	5/12-6/7(39)→	5/1→	5/6→	5/5→	4/28→	5/8→	4/10→
WARBLER, HOODED	P	5/15→	4/26→	-	5/22	-	-	6/18→	5/4→	4/25→	6/10	5/5-14
WILSON'S	-	-	5/11-13	-	-	-	5/8	-	5/18	5/9(6)-28	-	5/8
CANADA	-	5/30→	5/8(4)→	-	5/12→	6/7→	-	6/18→	5/10→	5/9(6)→	5/8-14(5)→	5/5-17
CHAT, YELLOW-BREASTED	-	-	5/8→	-	-	-	-	-	-	5/2→	-	5/27→
TANAGER, SCARLET	5/8→	5/23→	5/5→	-	5/8→	6/7→	5/20→	5/8→	5/4→	P	5/8→	5/5→
TOWHEE, EASTERN	A	4/8→	A	-	4/25→	5/3→	4/9→	A	4/1→	A	4/23→	R
SPARROW, AMERICAN TREE	-	-	-	-	-	-	-	-	-	-	-	-
CHIPPING	A	4/2→	A	-	4/8→	4/9→	4/8→	A	4/7→	A	4/7→	A
FIELD	P	4/24→	A	-	4/30→	6/7→	4/8→	A	4/1→	A	4/21→	R
VESPER	-	A	P	-	4/19→	6/7→	-	4/27→	5/12-6/8	A	4/15→	-
SAVANNAH	-	A	5/8→	-	5/8→	4/19→	4/18(5)→	P	4/9→	P	4/17→	5/8→
GRASSHOPPER	-	-	6/5→	-	6/15→	-	-	P	5/8→	5/2	5/4→	5/12→
HENSLOW'S	-	-	6/8→	-	6/8→	6/7→	-	-	5/8→	P	5/8(3)→	-
FOX	-	-	-	-	-	-	-	-	-	-	-	-
LINCOLN'S	-	-	-	-	-	-	5/8	5/8	-	5/4-13(5)-30	-	-
SWAMP	P	4/23→	A	-	4/11→	4/20→	R	-	4/10→	A-5(6(7)	4/23→	R
WHITE-THROATED	-	-	-	-	A	6/7→	A-4/24(16)	-	5/14	-	-	-
WHITE-CROWNED	P	5/2-8	-	-	5/11	-	5/4-17	-	5/2-17	5/9(10)-24	5/8	5/11
JUNCO, DARK-EYED	R	R	A	-	R	6/7→	R-4/24(70)	R	R	R	R-5/28(8)	-
GROSBEAK, ROSE-BREASTED	-	MAY→	5/2→	-	4/25→	6/7→	5/5→	5/8→	4/30→	4/27→	5/5-6/14(8)→	4/23→
BLUE	-	-	4/28-5/17	-	-	-	-	-	-	-	-	5/8→
BUNTING, INDIGO	5/8→	5/5→	5/5→	-	4/28→	6/7→	5/7→	5/5→	5/29→	4/25→	5/8-6/14(10)→	5/5→
BOBOLINK	-	MAY→	5/6→	-	4/8-6/28(85)→	5/4→	5/4→	P	5/15→	P	5/5→	5/8(100+)
BLACKBIRD, RED-WINGED	A	A	A	-	A	6/7→	A	A	A	A	A	R
MEADOWLARK, EASTERN	-	A	A	-	A	4/1→	A	A	A	A	A	R
BLACKBIRD, RUSTY	-	-	-	-	-	-	-	-	4/23-24(50)	-	-	-
GRACKLE, COMMON	A	A	A	-	A	6/7→	A	A	A	A	A	R
COWBIRD, BROWN-HEADED	A	A	A	-	A	4/1→	A	A	A	A	A	R
ORIOLE, ORCHARD	-	-	5/9→	-	-	-	-	5/6→	-	P	-	5/3→
BALTIMORE	5/8→	5/4→	4/28→	-	5/6→	6/7→	5/6→	4/26-5/5(8)→	5/4→	4/23→	5/5→	5/1→
FINCH, PURPLE	R	A	-	-	R	6/7→	A	-	-	R	A	-

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WASHINGTON: Roy Ickes., Paul Brown.

WAYNE: No Compiler, Trudy Gerlach.

WESTMORELAND: Robert C. Leberman, Powdermill Nature Reserve, HC 64 Box 453, Rector 15677 (724-593-7521), Ken Byerly, Dick Byers, Mike Fialkovich, Craig Fosdick, Jim Gruber, Roger Higbee, Len & Linda Hess, S. Keopasky, Mark McConaughy, Bob Mulvihill, Bob Shaw, Dennis Smeltzer, Andrew Vitz.

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