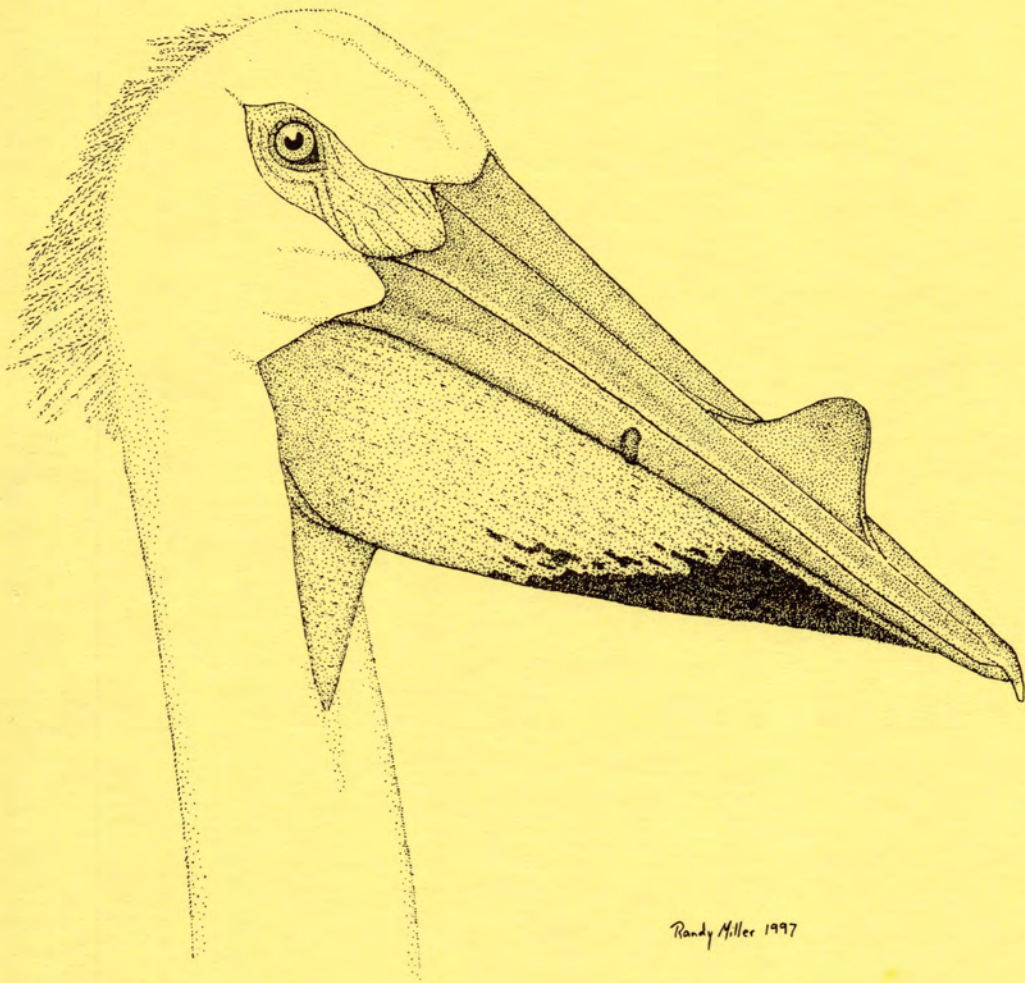


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COVER: American White Pelican by *Randy Miller*

from the Editors...

AOU CHANGES

The American Ornithologists' Union is making more changes to its checklist. A supplement was recently published previewing the upcoming changes. The only species name change immediately affecting Pennsylvania is the change from Solitary Vireo to Blue-headed Vireo. Solitary Vireo was split into three species, Blue-headed in the East, Plumbeous in the West, and Cassin's on the West Coast. There are records of Plumbeous in the East, so the Pennsylvania Ornithological Records Committee will be checking museum collections to determine if there are any existing specimens collected in Pennsylvania.

The other major change will be a total revamping of the taxonomic order. No details were published in the supplement, but a whole new checklist is expected to be published shortly.

We have chosen not to adopt the new changes until the AOU publishes their new checklist. This means that all of the issues for Volume 11 (1997) will probably use the current checklist order.

COMPILER CHANGES

Linda Christenson, who has been the *Elk* County compiler since the second issue of 1989, is relocating and retiring from the compiler's job. We thank Linda for her dedication and fine work all of these years and wish her well in her new endeavors. Dave Wolfe will be taking over as compiler for *Elk*.

UNDISTURBED LAKES

If you have been reading the Local Notes section in recent years, you may have noticed the extraordinary number of Pied-billed Grebes being reported from Morgan Lake (Carr's Recreation Park) in *Berks*. This species is

considered "rare" as a breeder in this state. So how come there are so many here?

This lake is from an old abandoned quarry and mining operation. The property was purchased and turned into a non-motorized recreation park. The park offers a golf driving range, miniature golf, picnicking, hiking, rollerblading, and bicycling. When it first opened a few years ago, it rented canoes, but that did not fare well and has been discontinued. There is an entrance fee for all users and multi-visit or seasonal passes are available.

The result is a place where people can go to enjoy peaceful recreation. The trails, both paved and unpaved, do not permit any motorized vehicles, except for maintenance, etc. The lake has a shallow shoreline around much of it which has been taken over by phragmites (we wish it were cattails instead), which has proven to be an ideal habitat for nesting Pied-billed Grebe, American Coot, and Wood Duck. At least 20 to 30 pair of Pied-billed Grebes nest there. At least a dozen or more American Coots nest there and as many Wood Ducks. This year, at least two pair of Ruddy Ducks spent the summer and apparently nested. There are also numerous Mallards, Virginia Rail, Least Bittern, and Green Herons nesting there. The only thing lacking to make it a complete birding area is shorebird habitat. For more details on this area, see the site guide in Volume 10, Number 3.

Why are we writing about this? Because in Pennsylvania, any body of water over a few acres seems to be looked at as just another place to spew gasoline fumes in search of "recreation." Except for ponds and lakes located on State Game Lands, some private holdings, and municipal

water supplies, very few lakes in this state are "left alone."

How often have you gone out to a lake during waterfowl migration and found it devoid of ducks because of all of the boaters out there? How often have you gone out to a lake during waterfowl migration and found it devoid of ducks because of hunters out there? How often have you gone out to a lake during shorebird migration and found it devoid of shorebirds because of fishermen on the shoreline?

Pied-billed Grebes do not need a large body of water in which to nest. In fact small wooded swamps can provide sufficient habitat. The most important factor is "being undisturbed." And that is a rare commodity in Pennsylvania. Because of this, this "Species of Special Concern" is doing quite well in this one location.

It would be terrific if more landowners, both public and private, would think in these terms more often. Maybe then our list of "Species of Special Concern" would begin to decrease. ♣

Barb & Frank Haas
Chief Editors

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Examining the Christmas Bird Count in Pennsylvania, 1900-1995

by Nicholas C. Bolgiano

The Christmas Bird Count (CBC) is the largest and longest-running bird survey in North America. The numbers of recorded birds are published every year but trends and patterns can be obscured in the mass of data. The purpose of this article is to give an overview of the Pennsylvania CBC participation, regions of similar bird counts, and regional patterns in the numbers of species and individuals counted in the years 1900 to 1995.

Data

CBC data were obtained from *Bird Lore*, *Audubon*, *Audubon Field Notes*, *American Birds*, and *National Audubon Field Notes*. Hours of foot and/or car effort that were either missing or apparently erroneous were individually estimated for about 100 site-year combinations, mostly from the 1930s and 1940s. Estimation was performed by interpolation and by using relationships with recorded variables, such as number of participants or number of miles traveled. Estimation was also done for 72 missing feeder hours. These effort adjustments amounted to a small percentage of the 2529 site by year records. Four missing or obviously erroneous individual species counts were also estimated by interpolation.

Counting effort

The CBC began in 1900 with five of that year's 26 sites in Pennsylvania. The CBC has grown to include 1623 sites by 1995, mostly in North America, including 64 in Pennsylvania. (A year refers to the year in which Christmas falls. Thus, the 1995 CBC was carried out between December 16, 1995 and January 2, 1996.)

In the early years, there was little formal organization to where counts were made. Those sending in reports traveled in single parties and reported their starting and ending times. Beginning in 1932, multiple parties began to report from the same locality with an eventual standardization of reporting hours and miles of effort. The number of Pennsylvania CBC sites has generally increased since 1900 (Figure 1A). Many of the early counts were concentrated in the Philadelphia area but counting eventually began at many other sites within the state.

The mode in which people counted birds has evolved through the CBC

history. It appears that through the early 1920s, nearly all of the counting in Pennsylvania was performed by participants on foot. Starting in the mid-1920s, people began to count birds while traveling in cars. Counting of birds by participants watching feeders generally began around the early 1940s. The reporting of the hours spent feeder watching was not required until 1972 and these hours were likely under-reported before then. At many sites, it appeared that once feeder watching became an accepted method it grew in practice. In the 1970s higher numbers of owls began to be reported from some sites, particularly in the southeastern part of the state, as if they were counted during owling. In 1978, it was required that time spent owling be reported separately. As with feeder watching, it appears that once owling became an accepted method, it quickly became a more popular method of counting. Owling effort was probably reported as foot or car effort before 1978. Counting was also reported from people who traveled by boat, bike, horseback, trolley, and by other means, but the hours reported were small compared to foot, car, feeder, and owling effort. See Figure 1B for the pattern over time of the four primary modes of counting.

Changes in the manner in which the CBC has been conducted in Pennsylvania have slowed in recent years though changes continue. Statewide, there was some resurgence in foot effort in the early 1970s, but this dropped off in the 1980s so that car effort nearly equaled foot effort by the 1990s (Figure 1C). The speed at which people have traveled on foot has also changed. In the early years, people walked at an average speed of 1.5-2 miles/hour. By the late 1980s, this average had fallen to slightly less than 1 mile/hour (Figure 1D).

Using CBC data for assessing bird populations

The CBC sample design presents both problems and advantages to using CBC data for assessment of bird population status. Problems include: 1) the observers may come into contact with and count birds at different rates depending upon whether the observer is on foot, in a car, watching a feeder, or owling. Because counts are not reported

separately for the different effort modes it is difficult to eliminate the effect of changing effort type in comparing year-to-year or site-to-site counts; 2) routes may change from year to year and may not be representative of the area; and 3) it may be difficult to assess populations of rare or flocking species (Bock and Root 1981) or of waterfowl (Terborgh 1989). However, the CBC has strengths that include: 1) it is the longest-running bird survey; 2) it is a large sample (the 1979 count covered 3-10% of potential continental U.S. sites) 3) the counting at each site is usually done by the same people in a similar manner from year to year (see Bock and Root 1981; Drennan 1981). The large sample may sufficiently outweigh the problems so that random variability is small compared to overall trend (Drennan 1981). A comparison of trends in selected species using CBC and Breeding Bird Survey data showed that conclusions were similar for some permanent residents and short-distance migrants (Butcher et al. 1981).

Survey data like the CBC data are usually averaged or summed over either space or time in order to display them; regional data can be displayed over time, or the geographical pattern of a number of year's data can be mapped. This last was done by Root (1988) for 1962-1971 North American data. Here, I display data summed over space. However, in order to preserve some geographical information, identification of sites with similar characteristics was made so that the data could be displayed for different ornithological regions of the state.

Ornithological regions

The determination of ornithological regions was made using a combination of cluster analysis results and rules of geographical contiguity. The cluster analysis (Ward's method with Euclidean distance and standardization of variables) utilized a measure of abundance for each of the 64 most frequently encountered species over the history of the Pennsylvania count, excluding waterfowl, for those 39 sites that were sampled for 25 or more years from the 30-year period 1966-1995. The abundance measures were the medians over time of adjusted abundance measures, with adjustments being division by party hours for 57 species or taking the logarithm of (count+1) for 7

flocking species. Because the western Pennsylvania sites were difficult to differentiate given the higher comparative counts from other regions, the procedure was repeated with just those western sites. Contiguous sites tended to cluster together and the few that didn't were grouped with neighboring sites. Sites with insufficient data to be included in the cluster analysis were placed in a region with neighboring sites. A site being placed in one cluster does not mean that it may not have possessed similarities to sites in other regions. There tended to be distinct differences among groups of neighboring sites but the regional borders were not always clear-cut or constant over time.

Seven regions were selected and these are shown in Figure 2 and Table 1 for those sites sampled in 1995. Sites southeast of the Appalachian mountains were divided into two groups, termed here the Lower Piedmont and the Upper Piedmont-Great Valley regions. Sites in the Ridge and Valley province of the Appalachians tended to group together. Sites in the northeast part of the state generally grouped with the western sites but the northeast sites were kept separate due to the geographical separation. Southwestern sites tended to separate from sites to the immediate east and north. The Erie and Linesville sites in the northwest appeared to be somewhat different from their neighbors. The ornithological regions of this study are quite similar to the ornithological regions of Santner et al. (1992).

Patterns of effort, the numbers of species, and the number of individuals by region

Both the amount and the mode of participant effort exhibited differences by region. Total effort for any region remained below 100 hours until it reached that level in 1931 for the Lower Piedmont, as most of the early counts were concentrated near Philadelphia and surrounding counties. Effort was highest in the Lower Piedmont until 1960 when it was surpassed by effort in the Upper Piedmont-Great Valley. These two regions accounted for nearly half or more of the total effort every year. Total effort has appeared to level off in all regions except in the Ridge and Valley region (Figure 3, Table 2).

Regional differences in the mode of effort were observed, though there was variability among individual sites. The percentage of effort on foot was highest in the Lower Piedmont and the Northwest and lowest in the Northeast and the Western Allegheny regions. The percentage of effort by car was highest in

the Ridge and Valley and the Northeast Allegheny regions and lowest in the Lower Piedmont and the Southwest. Feeder effort was highest in the western part of the state and relatively low elsewhere, with a few individual site exceptions. Owling effort was highest in the Piedmont regions and in the Ridge and Valley and low elsewhere (Table 2).

The numbers of recorded species increased as participation increased but not proportionately. The yearly number of species appears to have leveled off in all regions except possibly for the Ridge and Valley and Western Allegheny regions. Statewide, the median number of species counted in the Pennsylvania CBC for the ten year period 1986-1995 was 154.

Regional differences in species numbers were apparent. The highest numbers of species were observed south of the Appalachians, with median species numbers of 131 and 129 for the Lower Piedmont and Upper Piedmont-Great Valley regions, respectively, during 1986-1995. This median value dropped to 109 in the Ridge and Valley, to 99 in the Western Allegheny, and to 86 for each of the Northeast Allegheny, Southwest, and Northwest regions (Figure 4, Table 2). There was significant evidence ($p < 0.0005$) for differences in these medians using a nonparametric test.

There were regional differences in the numbers of species seen only in one region. Between 1960 and 1995, there was an mean of 11 species a year seen only in the Lower Piedmont, 6 in the Upper Piedmont-Great Valley, 2 in the Ridge and Valley, 1 each in the Northeast Allegheny, the Southwest, and the Western Allegheny, and 3 in the Northwest region. There was significant evidence ($p < 0.0005$) for differences in these means using analysis of variance.

The number of individual birds counted also increased as participation increased. However, there were some years when the number of individuals was much higher than in other years. During the period 1963-1980 and again in 1993, large flocks of starlings and blackbirds were counted in the Lower Piedmont region. In 1959, 1977, and in the 1980s, there were large numbers of gulls counted in the Northwest (Erie count). These large counts have not generally been sustained in the 1990s, however (Figure 5).

The number of individual birds recorded per hour (used total hours) differed among regions. The median value for the 10 year period 1986-1990 was 381-399 for the Lower Piedmont and Northwest regions, 221 for the Upper Piedmont-Great Valley, 148 for the Ridge

and Valley, and 57-71 for the Northeast Allegheny, Western Allegheny, and Southwest regions (Table 2). There was significant evidence ($p < 0.0005$) for differences in these medians using a nonparametric test.

Summary

Pennsylvania's early winter bird community is not uniform throughout the state, but is related to the varied landscape and climate that exists. The CBC data suggest that early winter bird communities may follow regional patterns that exist during other parts of the year. With the possible exception of the Northwest region, where a median of 112 hours of sampling occurred in recent years, CBC regional samples are likely to be at least somewhat representative of the community composition of birds. Tramer (1974) estimated that for sites with 180-190 frost-free days, which is typical of some Pennsylvania sites, about 100 CBC hours were needed to see 95 percent of the species present. A hundred hours is probably an underestimate of the time needed to adequately sample regions containing multiple sites, but the current 400-1260 hours/region may be sufficient to analyze regional early winter bird communities.

Some regions of the state appear to be more favorable to early wintering birds than others. With the exception of the large numbers of individuals around Lake Erie, the area south of the Appalachians appears to host the greatest number of species and with the highest density, though there appeared to be density differences between Lower Piedmont and Upper Piedmont-Great Valley regions. The Ridge and Valley region appears to be of intermediate favorableness while the number of species and bird density appears to decline to the north and west of this region. The presence of large rivers or lakes can be attractions for birds. The Delaware and Susquehanna rivers draw birds, especially in the Piedmont regions, while Lake Erie, Pymatuning Lake (Northwest region), Lake Arthur (Western Allegheny region), and the Allegheny river near Warren (Western Allegheny region) increase the number of species and sometimes the number of individuals seen.

The CBC data appear to be valuable for assessing trends and regional differences, especially for common resident and short-distance land species that do not form large flocks. As CBC data become widely available (LeBaron 1997), further analyses of these data will be forthcoming. One aspect of the survey

Table 2. Median effort, species numbers, and individual bird numbers for the 10 year period 1986-1995.

Region	Total	% Hours	% foot	% car	% feeder	Number owling	Thousands of species	Individuals of individuals	per hour
L. Piedmont	1264	52	28	11	8	131	525	399	
U. Piedmont	2013	38	41	15	6	129	442	221	
Ridge & Valley	876	36	49	7	8	109	130	148	
NE Allegheny	403	1	54	11	3	86	29	71	
W Allegheny	947	31	38	28	3	99	54	57	
Southwest	700	46	19	33	3	86	42	61	
Northwest	112	51	35	16	0	86	46	381	
Statewide	6234	40	37	17	5	154	1249	200	

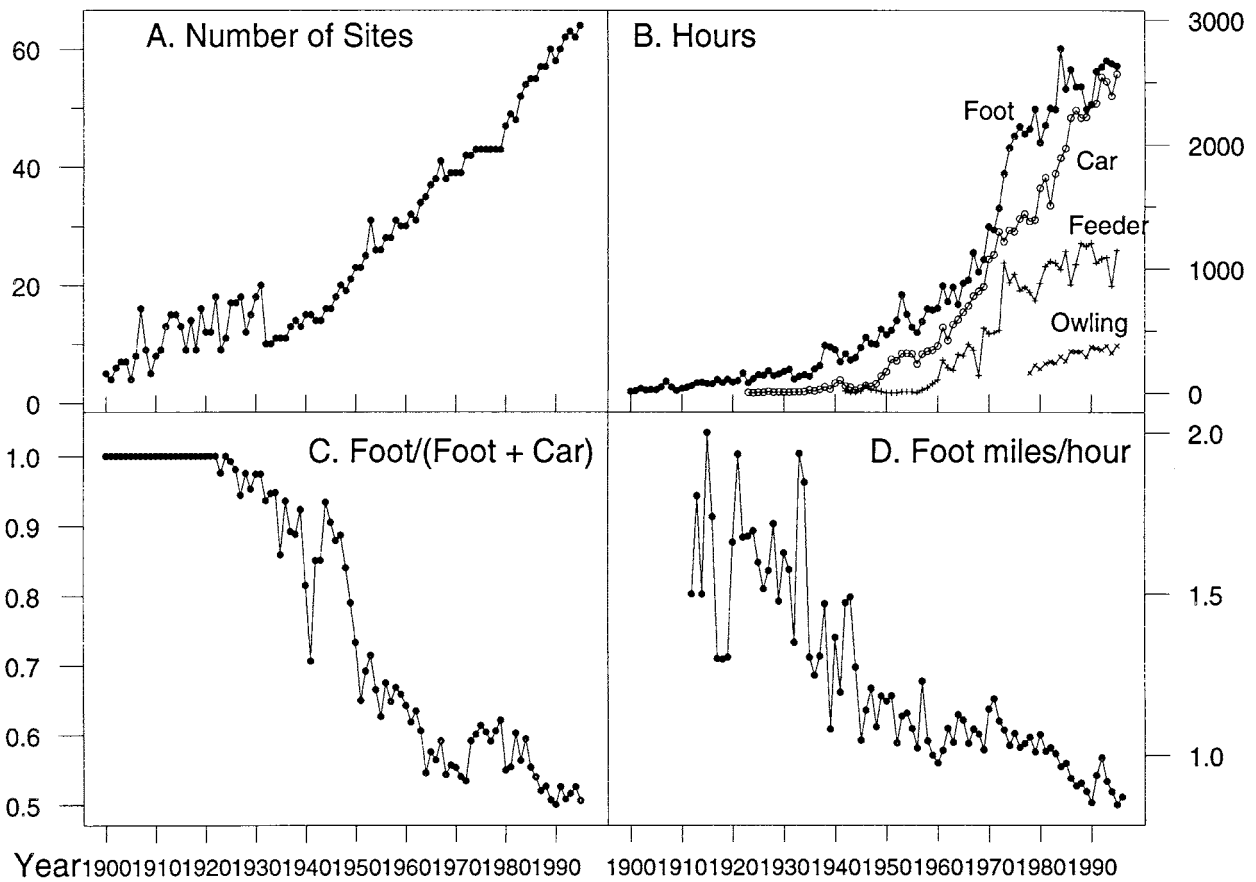


Figure 1. A summary of Pennsylvania CBC effort: A) The number of sites; B) The hours spent on foot, by car, at feeders, and owling; C) The proportion of foot plus car hours that was by foot; D) Foot miles per hour.

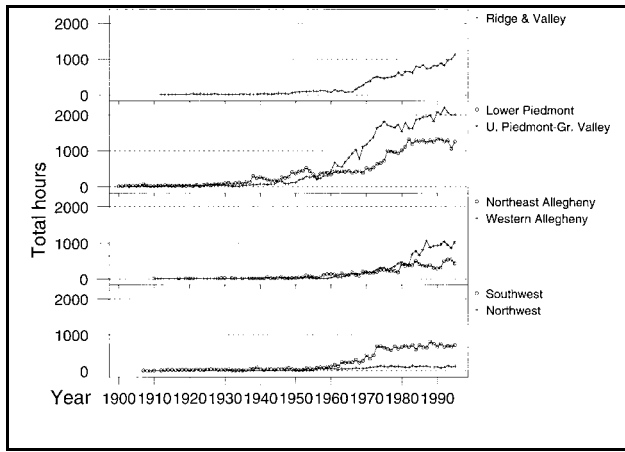


Figure 3. The total hours per region (note difference in scales).

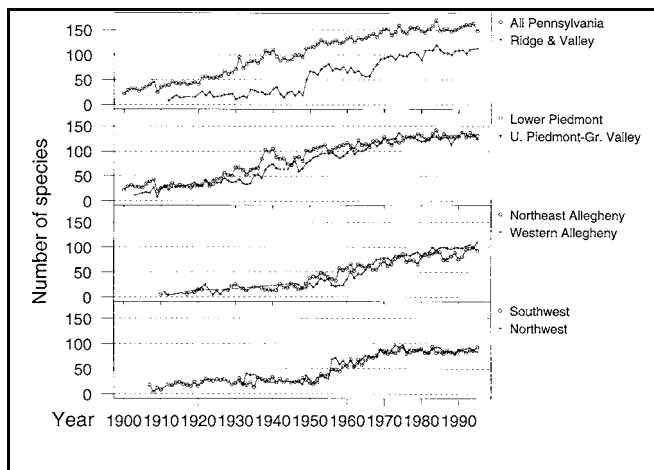


Figure 4. The number of species counted statewide and per region.

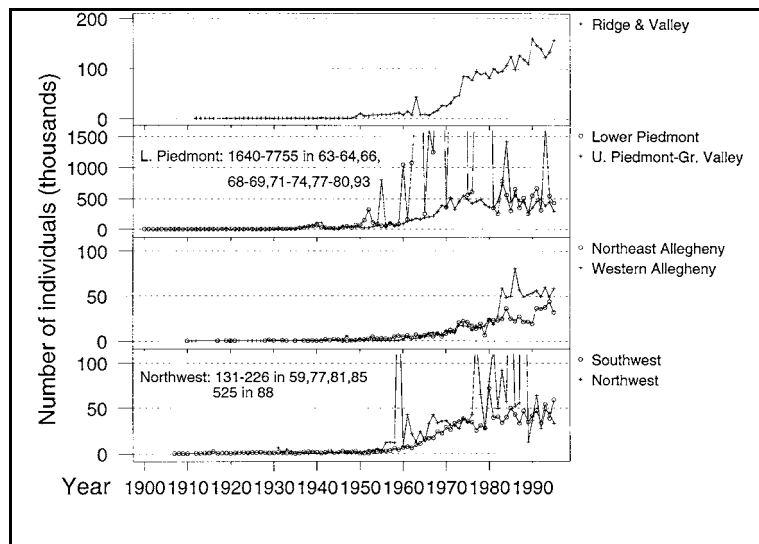


Figure 5. The number (in thousands) of individual birds counted per region (note difference in scales).

An Unusual Pelican In Beaver County ?

by Ed Kwater

In early June 1994 an immature pelican, *Pelecanus* sp. turned up near the mouth of the Beaver River, in the town of Bridgewater, Beaver County. Initially no birders were aware of the bird's presence but the birding community was alerted following an article in a local newspaper in late June. I first observed the bird on June 27th and immediately suspected that it was not a typical American White Pelican, *P. erythrorhynchus*, as others had reported. Standing above the bird on the riverbank I observed thick longitudinal black streaks on the outer webs of the exposed tertials on the folded wings (Fig.1). When the bird flew all the primaries and secondaries appeared black except that the innermost few secondaries had narrow white fringes to their outer webs. Only the upperwing pattern could be seen, however. The bird flew upstream and was lost to view after only a few minutes of observation. The NGS Field Guide to the Birds of North America states that only the primaries and outer secondaries on American White Pelicans are black with the remainder of the plumage being white. Several other authors support this assertion (Harrison,1983; Johnsgard,1993).

Intrigued by the field characters I had observed and frustrated by rather brief views I reviewed all the information I could find on white pelicans. The wing pattern seemed to suggest an Eastern White Pelican, *P. onocrotalus*, an old world species breeding in Europe, western Russia and parts of Africa, and wintering in Africa. In Eastern White Pelicans all the primaries and secondaries are black from below and show the pattern described for the Beaver County bird from above. The tertials are white from below and again show the pattern described for the Bridgewater individual on their uppersides (Cramp & Simmons,1977; Harrison,1983; Johnsgard,1993). In contrast all the American White Pelicans I have seen show white inner secondaries both on the upperwing and underwing. Was this an escaped Eastern White Pelican or just an aberrant American White Pelican ?

Returning to the site the

following day I quickly relocated the bird and on this occasion it showed exceptionally well for one and a half hours, allowing a critical examination of the plumage and the pattern and color of the bare parts. It flew around several times and the underwing pattern could clearly be seen. All the primaries and secondaries were black matching the pattern of *P. onocrotalus* perfectly. Turning my attention to the rest of the plumage I noted that the bird was mainly white with conspicuous brown spotting on the lesser and median coverts of the upperwing indicating second year plumage (Johnsgard1993). The pattern of the bill and facial skin appeared normal for an American White Pelican. The upper mandible was pinkish-orange with a bright orange nail and the lower mandible and throat pouch were yellowish-orange. The bare skin around the eye was dirty yellowish in color, and much less extensive than in Eastern White Pelican. In the latter the white feathering on the head curves round below the eye and comes to a blunt point, not extending in front of the eye. In American White Pelicans the white feathering extends well in front of the eye and in a narrower point, resulting in a less "bare-faced" look (Fig.2). The bird apparently showed the head pattern of an American White Pelican and the wing pattern of an Eastern White Pelican. A hybrid origin was considered but this would have been difficult to prove conclusively through field observation.

Still uncertain what to think I enlisted the help of Paul Lehman and Richard Crossley who very kindly examined the photographs and a video taken by Walt Shafer. Paul spoke to several people in California who were thoroughly familiar with American White Pelicans at the Salton Sea. All agreed that no American Whites should show all the secondaries black in the upperwing but some have only the inner twenty-five per cent of the secondaries white then the next few striped black and white and the remainder black. Despite this, all expert opinion eventually favored identification of the Beaver County bird as an American White Pelican due

to the inescapable fact that the pattern of the facial skin and surrounding feathering matched that species exactly.

All the photographs of American Whites I have examined and birds I have paid close attention to since the Bridgewater sighting have shown the inner fifty per cent of the secondaries white, quite unlike the Beaver County bird. However I subsequently examined eight specimens of American White Pelicans (two full study skins and six spread wings) at the Carnegie Museum of Natural History in Pittsburgh and found that seven of them had upper- and underwing patterns that were virtually identical to the Beaver County bird (Fig.3). I suspected that these were all immature birds (the labels didn't give age details) based on the extensive brown spotting on the upperwing coverts.

The presence of black inner secondaries in American White Pelicans is therefore probably not as unusual as the available literature would lead us to believe and many field guides are rather misleading on this issue. Observers are strongly cautioned to bear these factors in mind when faced with the identification of any vagrant pelican in Pennsylvania.

The behavior of the Beaver County bird led to a suspicion of captive origin despite the total lack of signs of captivity such as leg bands.



Fig 1. American White Pelican on the Beaver River, June 1994. The exposed, black innermost tertial can just be seen on the folded wing.



Fig 3. Underwing pattern of an American White Pelican showing all black inner secondaries.
Carnegie Museum of Natural History, Pittsburgh.

It frequently approached fishermen to within two feet and successfully begged fish from them on numerous occasions. However I have observed wild Brown Pelicans, *P. occidentalis*, behaving in a similar manner in Florida, and Ted Floyd (pers. comm.) informs me that American White Pelicans at Cheyenne Bottoms in Kansas routinely allow a very close approach.

Late June might seem like an unusual time for American White Pelicans to occur in Pennsylvania but there are in fact several records for the Commonwealth at this season (Todd, 1940; Santner et. al., 1992). This record has been submitted to the Pennsylvania Ornithological Records Committee and currently awaits review.

Acknowledgments.

I am especially grateful to Paul Lehman and Richard Crossley for reviewing photographs of this bird and making useful comments. Thanks are also due to Jon Dunn, Guy McCaskie, and Ted Floyd for their valuable input. I am indebted to Dr. Ken Parkes and Robin Panza of the Section of Birds at the Carnegie Museum of Natural History in Pittsburgh for allowing access to the skin collection there and for commenting on this bird.

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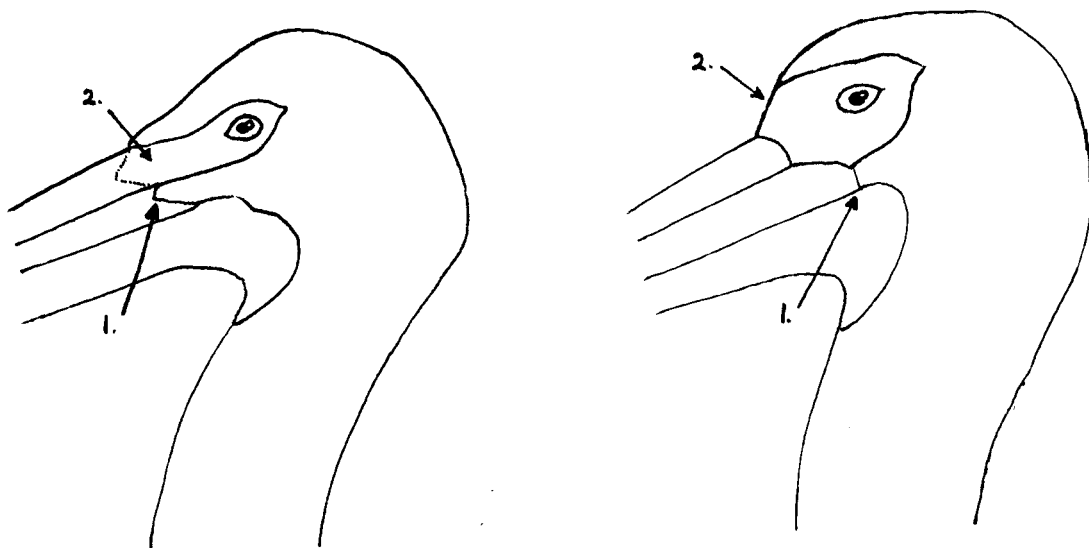


Figure 2. A comparison of the facial feathering in American White Pelican and Eastern White Pelican.

The Clunky-shaped Bird

by Arlene Koch

Saturday morning, 12 April, started for me like most others had since my accident on 7 March. I opened my eyes and looked up at the ceiling of my living room, wondering if I would ever again sleep in my own bed. The clock read 8:01, late for me, but I had nowhere to go, and then the phone rang.

This early in the morning the incoming call could only be one of two things – an emergency or a bird call. And since I was still trying to shake off the effects of half a sleeping pill finally taken when I still couldn't sleep in the wee small hours of the morning, I was sure hoping it was the latter and not the former.

As usual, my left arm began to throb as soon as I attempted to push myself up and also, as usual, I cursed the sight of the cast that went from my fingers to my shoulder. Somewhere inside was my swollen appendage and now inside of it were two metal pins and a long screw. But somehow I managed to grab the phone with my sausage-shaped fingers and when I finally said hello I heard the voice of my sister-in-law Mary on the line.

She hates birds because her younger brother David, who is now my husband, used to chase her around and scare her with feathers. At least that's what she claims gave her a lifelong phobia. He says she was already afraid of birds long before he started doing that, which of course is why he did it in the first place.

Her voice was audibly strained. I knew right away that something had to be up for her to phone me at 8 o'clock on a Saturday morning and I rightly guessed that that something involved a bird. More than once over the years she had called me to go out to her house and remove a dead House Sparrow from her front steps so she could go in. But although I was very skeptical about what she was saying, at least this time it was an interesting situation.

There was, she said, a 2-foot tall bird, clunky-shaped on the bottom and tweedy-colored on the top, with a long skinny neck and small head, standing right out in the middle of her lawn. Its yellow bill was pointed straight up at the sky as it waited, she surmised, for its mate to land. And, she added, it had chicken feet.

Thinking that she was probably looking at some genetically impaired

female pheasant, and since I wasn't able to drive, I told her to come out and get me in an hour if the bird was still there. But to my utter surprise, exactly one hour later she was at my door.



Well, 5 minutes later I was standing in her driveway looking at an American Bittern freeze-framed smack out in the middle of her yard just like she said. She had described its characteristics almost to a tee, although not with words any ornithologist would have used.

To put this sighting in perspective for me I should say that in the 20+ years that I've been looking at birds, you could probably count the number of American Bitterns I've seen on my fingers. Because these herons are very habitat specific and the Lehigh Valley area of east central Pa. where I live isn't exactly known for its wetlands, this is a bird I've always had to search after. My best sighting, next to the one I got this morning, was in a marsh in Manitoba

back in 1991.

American Bitterns migrate through our area every year but, with few exceptions, go mostly unnoticed. Occasionally, however, one over-extends itself, as this bird apparently did, and puts down to rest in a totally inappropriate habitat. I've heard of this happening before to other people but even those stories were few and far between.

When caught out in the open like this bird was, a bittern will freeze in place with its bill pointed upward as it would if it were hiding in the reeds. But it sure looks weird out in the middle of someone's lawn, almost as if it were a lifeless ornament.

After my initial shock I quickly called our local hotline compiler Dave DeReamus, who rushed down and shot a roll of film. Then, because I knew it would be best for everyone concerned if we got the big bird out of Mary's yard, he and I tried to gently chase it into a nearby field.

The bittern's instincts, however, made it go straight for the safety of the foundation plantings around her house and I could see her very unhappy face at a window as it ran by. But Dave and I persisted and finally, when the bittern rounded the front of house, looking for all the world like a roadrunner, it took wing. But then, to further add to the strangeness of the situation, it plunked itself down in a pine tree.

Unlike other herons, or so I've read, American bitterns almost never perch in trees, and the sight was no bizarre that Dave rushed home to get some more film. The bird stayed there long enough for Dave to snap a few more pictures and for him to point it out to one of his startled neighbors who just happened to be jogging by Mary's house at the time.

Shortly thereafter the bittern flew away. Why, I wondered, hadn't it chosen my yard one-half mile down the road on which to land? My property count is at 178 and that bird would've been an incredible addition to the list. Well, that didn't happen so I guess I'll just have to wait for the next dysfunctional one. But I know that from now on I'll always end up the 12 Days of Christmas song by singing, "And a bit-ter-n in a pine tree."

*1375 Raubsville Rd.
Easton, 18042*

Update on the Ceramic Cliff Swallow Nests at Center Bridge

Bucks County

by David B. Long

Loyal readers of *Pennsylvania Birds* may recall Ken Kitson's and Bruce McNaught's article on the successful use of artificial nests by Cliff Swallows (*Hirundo pyrrhonota*) at Center Bridge, Bucks County in the April-June 1991 issue (Vol. 5, No. 2). This short article will update *Pennsylvania Birds* readers on several recent changes at that location which might be of interest.

The old plaster of paris and paper nests worked well, however after five years moisture penetrated the nests causing them to deteriorate and fall off their mounts. By the summer of 1996 only five of the original 31 artificial nests were still being used by the cliff swallows. Most of the colony had since moved to the New Jersey side of the Delaware River, thus something had to be done soon or Bucks County would lose one of its few remaining Cliff Swallow colonies. A search then began for a more durable nest material.

After considering several alternatives, it was decided to try a ceramic material. A local potter, Erika Bonner, was approached for her expertise and assistance. Erika decided to use the original master nest positive mold (please see the earlier article for measurements) to make a new negative plaster mold. This new plaster mold included space for a one-inch flange around the back rim of the nest. This flange would provide a flat mounting surface. A low-fire white earthenware clay was then pressed into the mold to the desired thickness. After a few minutes, the plaster mold absorbed enough moisture out of the clay so that the newly molded nest would release easily out of the mold. Thirty-four nests were quickly produced over a couple of days. At this point a screw hole was made in each corner of the flange to permit mounting after firing. Some of the new nests were left plain, but others were coated with a raw umber stain before the clay dried completely. This stain would make the white clay appear brown after firing. After air-drying a couple of days, all of the nests were fired in an electric kiln to cone four.

The next step was to remove the old wooden beams from underneath the Center Bridge canal bridge while the Delaware Canal was still frozen thus allowing easy access with stepladders. Upon inspection, the beams were found to be in excellent condition despite seven

years of use and were thus reused. (Again, please reference the earlier article for beam dimensions and mounting techniques.)

After firing, the ceramic nests were evenly spaced and attached to the wood beams using wood screws and one-inch rubber washers. Before final mounting to the beams, a bead of silicone caulking was laid on the back of the flange in order to help support and hold the nest evenly against the beam. A small gap was left in the caulking at the bottom of the nest in order to provide drainage and air circulation.

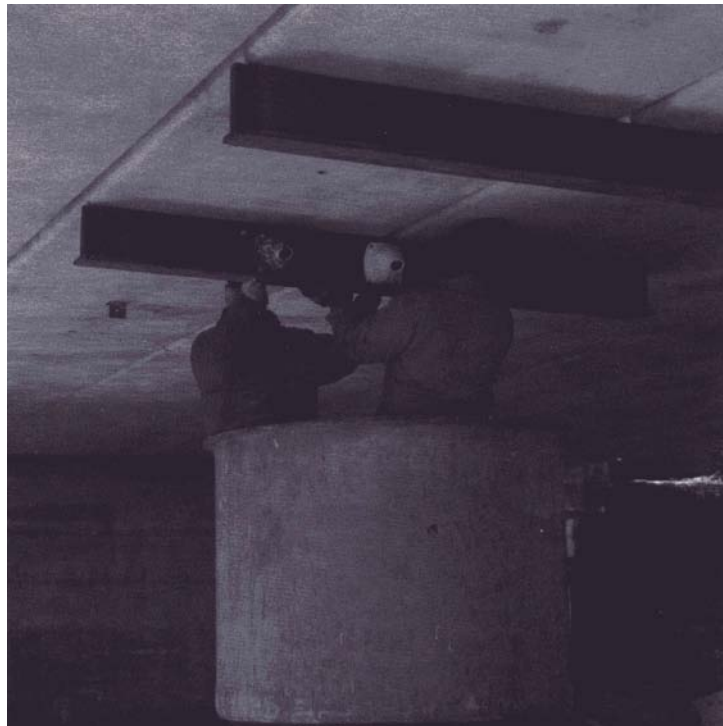
In addition to the new nests, wire mesh and ten ceramic "shelves" were added to various sections of the beams in the hope that the Cliff Swallows would attach their own nests.

In early March the Delaware River Bridge Commission remounted the beams underneath the bridge. We had them mount the beams further away from the towpath in an effort to discourage a repeat of the 1991 vandalism problem. By the middle of May over twenty of the new ceramic nests were being used by the Cliff

Swallows. The birds did not seem to have a preference for either the white or brown artificial nests colors. Just as in 1991, the swallows added mud to the entrances to shape them to their own liking. So far, they have not yet started to build their own nests. There might be two reasons for this; first the swallow's mud might not adhere well to the ceramic material and second, there are still several unclaimed nests available for nesting, thus reducing the need to build more nests in the short run.

I would like to thank the following people for their invaluable help in the refurbishing of the Center Bridge Cliff Swallow nests: Honey Hollow intern Brad Eeles, Bruce McNaught, Will Dingman, Erika Bonner, and the Delaware River Bridge Commission. ✪

*3 Beechwood Lane
Yardley 19067*



Workmen reattaching nest beams to the bridge.

Pale Form of Field Sparrow (*Spizella pusilla*)

by Don Henise

On Sunday 6 April 1997, Robyn and I saw a very pale Field Sparrow (*Spizella pusilla*) in our back yard outside of Newville, Cumberland County, Pa. Unfortunately, we were on our way to an appointment and did not study the bird at great length nor did we get any photos of the bird. The bird was gone when we returned home later and we never relocated it.

Description:

It was a small sparrow with gray under parts and a completely gray face. At first look with the naked eye, I thought it was perhaps a Chipping Sparrow (*Spizella passerine*), which had just arrived in our yard within the previous few days. The crown was streaked reddish brown. There was no dark eye line or white supercilium as Chipping Sparrows should have in spring. Besides, the bill was a pinkish-orange. The face did not seem quite right for a Field Sparrow and Field Sparrows should have a fairly bright red crown now, at least brighter than the bird we were looking at. I also noted that the eye ring was not as conspicuous as is expected on Field Sparrows. The bird was very pale gray on its entire under parts, chest, belly, flanks, and face. The bird had none of the reddish face markings of eastern Field Sparrows. The back of the bird was streaked light brown. There were two wing bars visible, the upper one quite prominent. The bird's legs were light colored. The bird was feeding on spilled seed on the ground and doing a lot of tail pumping as it foraged. There were no birds within its direct vicinity, but it appeared to be about the size of a Chipping Sparrow with a longer tail. It was smaller than the White-crowned Sparrows (*Zonotrichia albicollis*) and Dark-eyed Juncos (*Junco hyemalis*) that were across the yard.

This was at about 11:45 and we had an appointment at noon, so I grabbed the two new sparrow guides (Byers et. al. and Rising) and we headed out the door. I flipped through the guides to Field Sparrows and found out that there is a western subspecies of Field Sparrow (*S. p. arenacea*) which

is much paler and grayer than the eastern form. Actually, the illustration that comes closest to what we saw is the painting of Worthen's Sparrow (*S. wortheni*) in Byers. I mention this only to indicate how pale the bird really was.

Discussion of *Spizella pusilla arenacea*:

The AOU check-list 5th ed. (1957) lists a subspecies in the western portion of Field Sparrows' range (*S. p. arenacea*) stating that it breeds from northwestern and southeastern Montana, northern North Dakota south to northeastern Colorado, western and central southern Oklahoma and Kansas. Sutton (1967) describes a large, gray western race as the most common breeding race in Oklahoma with intergrades toward *S. p. pusilla* in the eastern counties of Oklahoma. Carey (1994) indicates that the 6th edition of the AOU check-list (1983) (which I did not have access to) does not recognize the grayer form of Field Sparrow as a separate subspecies. However, both Byers et. al. (1995) and Rising (1996) recognize *S. p. arenacea* as a pale western subspecies of *S. pusilla*. Rising describes *arenacea* as being similar to *pusilla* with longer wings and tail, grayer coloration, usually a gray median stripe, the rusty eyeline lacking or less obvious, and rusty colors paler.

Conclusion:

I'm not sure if any conclusions can be drawn from this observation. It would be difficult, if not impossible, to know whether the bird we saw was a vagrant from the western edge of Field Sparrow's range or just a pale individual from the east. All of the illustrations of the western form of Field Sparrow that I have viewed show at least some color in the face pattern. In personal communication with Dr. Michael Carey, leading author of the Birds of North America account, he indicated that he had not seen a Field Sparrow as pale as the bird I describe – even in the western edge of the

species range. †

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Update on the Conejohela Flats

by Jerry Book

The effort to protect the Conejohela Flats habitat has entered its fourth year. In May, the Lancaster County Bird Club (LCBC), National Audubon Society, and Lancaster County Planning Commission became an official party to the process by responding to Safe Harbor's Draft proposal to the Federal Energy Regulatory Commission (FERC). All three organizations objected to the draft as written and recommended changes that would prevent net habitat loss both in quantity and length of exposure on a daily basis. Furthermore, it was suggested that human access to key habitat areas be restricted and that water surrounding the Flats be designated a slow speed-minimum wake area. In June a letter was sent to the Director of the Pennsylvania Fish and Boat Commission petitioning that agency to consider this request. Precedents exist up river in Lake Frederick and down river in Lake Aldred.

Also in June, the United States Department of the Interior, United States Fish and Wildlife Service joined the

process. They expressed great concern about habitat loss if the river level was raised and the impact it would have on the Bald Eagles and Ospreys that frequent the area. The Endangered Species Act affords protection to endangered species habitat. The USF&W Service will recommend to FERC that the elevation increase be denied based on the draft proposal as written.

A short time later, the Susquehanna River Basin Commission decided that they should take a hard look at the proposed elevation increase to see if it would negatively impact the goals, objectives, and guidelines of their Comprehensive Plan. The results of their study will be published in local newspapers.

Not long after the USF&W Service and SRBC became involved, the Department of Environmental Protection, Division of Dam Safety expressed interest in learning more about the value of the Conejohela Flats to wildlife. They must perform a 401 Water Quality Assessment on Safe Harbor's proposal and decide whether or not to issue

a permit. It is understood that one of the criteria for issuing a permit is that the project must not have an adverse effect on existing land/water use. Since the elevation increase as proposed could in fact negatively impact the habitat and wildlife, there may be grounds for the permit request to be denied.

There are a lot of irons in the fire. There are also a number of organizations that have expressed concern and been willing to back that concern with action. Special thanks are due the Lancaster County Planning Commission and the National Audubon Society, Important Bird Area Project. Their interest and involvement will help insure that Safe Harbor's proposed project will receive very close scrutiny at local, state, and federal levels. There is reason to be very cautiously optimistic. There is also more work to be done. I'll keep you informed. ✦

164 Warren Way
Lancaster, 17601

First Sandhill Crane Sighting in Centre County

by Bob Snyder

A Sandhill Crane (*Grus canadensis*) was observed in a constructed marsh, near Curtin Village, Centre County on Sunday, 4 May 1997 at approximately 1000 by Dorothy and Blanche Bordner. Dorothy then drove to the village of Howard and knocked on my door with news of the sighting. Many observers saw this bird over the next three weeks. The bird was said to be a non-breeding adult (Alice Fuller) since its plumage was brown, not gray. There was a red spot on the forehead. According to John Peplinski, of the State College Bird Club this was the first documented sighting of a Sandhill Crane for Centre County.

The marsh, known locally as "Curtin Wetland" is located approximately 1.5 miles east of Milesburg along the right side of Route 150 North; about ½-mile east of the I-80 interchange. The habitat is a freshwater constructed marsh, consisting of a 6.4-acre pond surrounded by emergent and shrub wetlands, located in the southeastern corner of a 48-acre reclaimed corn field. Adjacent habitat includes Bald

Eagle Creek, and a large bare-ground field.

The crane was first observed in areas of shallow water and emergent grasses near the southern edge of the marsh; a distance of approximately 100 yards from the highway shoulder. Subsequent observations were made from 300 feet in the morning (Bob Ackerman and Bob Snyder had moved into the marsh to get pictures) and afternoon as the crane had begun to explore the higher ground in the center of the marsh. Photographs were taken at close range in the afternoon (5/4/97). The crane gave two warning displays as I attempted to approach closer than 80 feet. The crane accomplished the display by pitching its body downward 45 degrees from vertical, its neck extended out and curved upward with the bill pointed down and open, the left leg raised slightly showing the toes, and the wings raised and folded over the back resembling a spread paper fan. After receiving the second "territorial display," I backed off a couple of feet and then the crane flew to the back of the marsh.

Probably one of the most magnificent experiences of my years at birding was not only having the opportunity to photograph a Sandhill Crane at close range, but just being able to watch this magnificent bird's graceful and effortless takeoffs and landings in the marsh. I had previously only seen Sandhills as they flew overhead in North Dakota in 1995.

I also reported sightings of the Sandhill Crane at the marsh for the following dates to John Peplinski: 5/6, 5/7, 5/9, 5/10, 5/15, 5/24, and 5/29 the last date the bird was observed in the area, or reported by State College birders. ✦

PO Box 603
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Report of the Sixth Pennsylvania May Count

May 10, 1997

by Alan C. Gregory

The sixth annual North American Migration Count was conducted on May 10, 1997, in conjunction with the annual observance of International Migratory Bird Day. Birders in 36 Pennsylvania counties participated this year, down three counties from the 1996 count. The number of participating observers (including stationary observers and feeder watchers) rose slightly to 730, an increase of 13 from the 1996 count. With increased publicity and participation from the many bird clubs and National Audubon Society chapters across the state, perhaps the total number of observers will hit 1,000 in 1998. The total number of species, however, hit a new high for the count: 234, eight more than the previous high of 226 species in 1994 and 15 more than the 1996 total. Many participants commented later on how late the migration seemed, noting the absence, especially, of *Empidonax* flycatchers and cuckoos.

The total cumulative number of individual birds counted this year again exceeded 200,000, with 218,607 recorded, a considerable leap from the 208,453 recorded in the 1996 count. Again, the trend in this category is showing an upward curve. In the second year of the count in Pennsylvania, only 107,193 individual birds were tallied. The increase can be attributed to two factors: More intensive coverage, and a greater number of observers.

Twenty-nine of the participating counties reported species totals of 100 or higher this year. Those counties that fielded a larger corps of observers predictably tallied more species. Those 29 counties in alphabetical order are: Adams, 125; Allegheny, 136; Bedford, 102; Berks, 150; Blair, 100; Bucks, 141; Butler, 126; Chester, 149; Clarion, 118; Cumberland, 155; Dauphin, 165; Franklin, 152; Greene, 116; Huntingdon, 136; Indiana, 152; Juniata, 124; Lackawanna, 119; Lancaster, 161; Luzerne, 143; Lycoming, 110; Philadelphia, 137; Potter, 103; Schuylkill, 145; Sullivan, 102; Venango, 104; Wayne, 144; Westmoreland, 153; Wyoming, 113; and York, 107.

WEATHER

The field conditions in many areas were reminiscent of the warmer days of the 1996-97 Christmas Bird Count season, with many county compilers reporting rain and blustery conditions, with others noting clearing skies and northwest winds -- all indicative of the passage of a cold front. Across the region, drought conditions were

already evident by early April, and by August much of the state had a rainfall deficit of 2 to 5 inches below the average. Most compilers from the eastern half of the state reported warmer temperatures and overall better field conditions than compilers in the western half.

In Berks County, compiler Matt Wlasniewski reported temperatures ranging from 48 to 54 degrees, with a Northwest wind gusting to 20 mph. "Skies were cloudy with 50 percent to 80 percent (cloud) coverage reported. Many birders reported that weather was a factor in their results."

Reporting from Cumberland County in the state's mid-section, Ramsay Koury wrote: "The count day was certainly an unusual one for May. It was colder than normal -- I used gloves for some of the morning! I think I was actually warmer doing owling on the Christmas counts than I was for the migration count. It was a lousy night for owling -- too much wind."

In one of the state's more mountainous (and colder) areas, Sullivan County compiler Nick Kerlin logged temperatures ranging from 46 in the pre-dawn hours to 44 after sundown. The temperature never rose above 50 in Sullivan, and a light drizzle fell on/off throughout the day. "While all observers complained about the lousy weather and lack of species and individual numbers seen, the combined effort yielded the second best count in four years as to species and numbers," Kerlin wrote. "Many observers related their discouragement and quit birding in the field early, spending more time watching feeders in late afternoon."

In Western Pennsylvania, Venango compiler Russ States listed a dawn temperature of 45 with a west wind of 5 mph. The temperature in Venango fell to 35 at dusk. Nearby, in Butler County, Gene Wilhelm's crew worked in rain much of the day. "May 10, 1997 was, without a doubt, the worst spring count day in my memory for weather. It rained all day (fourth recorded) with a cold west-northwest wind blowing almost constantly between 15-25 mph. Wind chill was between 15-25 degrees. Air temperature was 42 at 7 a.m. and 40 at 5 p.m. Birds were scarce overall and once located, bunched into mixed flocks. Although nothing like the *bird depression* of 1996, most terrestrial species were feeding at or near ground/water level . . . In summary, many species, genera, families were late this year and thus scarce."

Reporting from Lackawanna County in Northeastern Pennsylvania, Rosann

Bongey noted temperatures ranging from 40 (dawn) to 45 (dusk), 100 percent cloud cover and intermittent drizzle. In Lycoming County in the state's mid-section, Wes Egli recorded a temperature range of 40 (dawn) to 50 (dusk).

THE TOP 20

The following 20 species were the most abundant on this year's count. Compare this list with the top 20 from 1996. Readers are cautioned, however, against reading too much into these numbers. They certainly cannot, for example, be considered as illustrative of any declines or increases in the population of any species. It is fun, nonetheless, to look over the top 20 roster.

1. Swallow, Tree	15595
2. Robin, American	13460
3. Goose, Canada	12045
4. Swallow, Barn	11798
5. Grackle, Common	11300
6. Starling, European	11040
7. Blackbird, Red-winged	10988
8. Warbler, Yellow-rumped	7765
9. Crow, American	6079
10. Goldfinch, American	5581
11. Swallow, N. Rough-winged.	4878
12. Catbird, Gray	4194
13. Dove, Rock	3876
14. Jay, Blue	3773
15. Dove, Mourning	3671
16. Sparrow, Chipping	3655
17. Cardinal, Northern	3357
18. Sparrow, Song	3313
19. Sparrow, House	3221
20. Swift, Chimney	3218

NOTES ON SELECTED SPECIES

The lone **Red-throated Loon** was reported from Chester, while 82 **Common Loons** were tallied from 19 counties. There were 82 **Pied-billed Grebes** tallied across 19 counties, and 4 **Great Cormorants** were reported -- predictably -- from Philadelphia. A total of 7 **American Bitterns** were reported across 6 counties, with the high of 2 found in Luzerne. A **Least Bittern** was a great find in Indiana, and the lone **Snowy Egret** was reported from Lancaster. A **Little Blue Heron** was nearby in Dauphin County, and Lancaster birders also found a **Yellow-crowned Night Heron**. There were 16 **Mute Swans** reported, including a nesting pair (an omen of things to come) on a privately-owned lake in Luzerne.

A few **Snow Geese** lingered, including one at Chester and 13 in Berks. A lone **Canvasback** was found in Berks, and two counties reported **Surf Scoters** (5 in Lehigh and 2 in Clarion). **Bald Eagles** were widespread across the state. Here are the totals: Wayne, 6; Lancaster, 5; Butler and Dauphin, 4 each; Forest, 2; and single birds in Berks, Blair, Bucks, Clarion, Indiana, Lycoming, and Sullivan.

Luzerne reported the only two **N. Goshawks** from a nest site in that county. Seven **Common Moorhens** were found (2 in Wayne, 4 in Philadelphia and one in Lancaster). Four highlights among shorebirds species were the 3 **Lesser Golden-Plovers** in Lawrence, a **Willet** in Clarion, 10 **White-rumped Sandpipers** in Allegheny, and a lone **Short-billed Dowitcher** in Berks.

Five **Caspian Terns** were tallied, one in Westmoreland and 4 in Lancaster. A total of 4 **Barn Owls** were found in 4 counties, and the 4 **Short-eared Owls** from Allegheny was encouraging. Reports of **Olive-sided Flycatchers** came from Wayne (1), Lycoming (2) and Huntingdon (1). Birders who spend field time in northern tier counties like Wayne, Sullivan, Tioga and Potter are urged to be on the lookout for this elusive species during the breeding season.

Among the "empids," the **Least Flycatcher** was again the most frequently encountered. Birders could find only two **Alders** (one in Wayne and another in Lancaster), however, and the **Willow** was equally elusive, with only 3 found in Lancaster and individual birds in Philadelphia and Wayne. Twenty-eight counties tallied **Least Flycatchers** and 12 tallied **Acadian Flycatchers**.

A **Violet-green Swallow** was a great find in Dauphin (*this species is not included in the charts, as the documentation was insufficient to rule out Tree Swallow—eds.*), and **Common Ravens** were reported from 22 counties. The highs were 20 in Potter and 10 each in Elk and Huntingdon. Seventeen compilers reported **Red-breasted Nuthatches**. Among the wrens,

single **Sedge Wrens** in Lancaster and Allegheny were outstanding finds, as were the single **Marsh Wrens** noted in Berks, Philadelphia, and Wayne.

Turning to the thrushes, the **Gray-cheeked** remained elusive, with Sullivan's 2 and a loner in Cumberland the only finds. Fourteen counties tallied the **Swainson's Thrush**. The 2 **Loggerhead Shrikes** came from the usual site in Adams.

Four counties, meanwhile, tallied the **Philadelphia Vireo**. The **Brewster's** hybrid warbler was found in 4 counties, and Franklin reported the only **Lawrence's** hybrid. Four **Prothonotary Warblers** in Butler was an excellent tally, and single "Swamp" warblers were found in Philadelphia and Wayne. The lone **Connecticut Warbler** also was found in Wayne. Greene, meanwhile, noted the only **Summer Tanager** (they nest there), and a **Western Tanager** (no details) was a great find for Margaret Higbee's corps in Indiana.

Four counties reported **Blue Grosbeaks**, with the 7 in Bedford an outstanding total. Philadelphia came in with 4 **Blues**, Lancaster had 2, and Schuylkill one. Five counties tallied **Henslow's Sparrows**, and **Fox Sparrows** lingered in Franklin (3) and Blair (1). The **Lincoln's Sparrow** was found in 6 counties, and lingering **Common Redpolls** were outstanding finds for Gene Wilhelm's crew in Butler (3 birds) and Indiana (one).

Pine Siskins lingered in 3 counties, and a lone **Evening Grosbeak** was a superb find in Elk.

ACKNOWLEDGMENTS

My thanks to all the compilers and observers for another successful effort. A special thanks to my wife, Monica, for her technical assistance.

THE COMPILERS AND OBSERVERS

The compilers' names are noted in italics below, with each county's field observers and feeder watchers listed after each compiler's mail address.

ADAMS: *Arthur L. Kennell*, 2332 Bullfrog Rd., Fairfield 17320-9361; Eleanor Kennell, Jack & Nancy Locher, Patti Myers, Arlene Sandstedt, Deb Siefken.

ALLEGHENY: *Paul Hess*, 1412 Hawthorne St., Natrona Heights 15065; Paul Brown, Mark Dixon, Mary & Ted Floyd, Deborah & Paul Hess, Bill & Vicky Judd, Scott Kinsey, Lydia Konecky, Joyce Murdy, John & Kathy Murphy, Phil O'Brien, Regis Schultz, Sam Sinderson, Jack & Sue Solomon, Diane Szollosi.

BEDFORD: *Rosie McGinnett*, Route 1, Box 426, Bedford 15522; Nancy & Pauline Barefoot, Dixie Defibaugh, Etter Grazier, Lisa Green, Harry Guyer, Ron Kidd, Susan Matula, Clyde McGinnett, Bill & Sarah Miles, Don Morris, Al Reimer, Janet Shaffer, Evelyn Stinson, Susan Wakeman.

BERKS: *Matthew Wlasniewski*, 21 Scenic Dr., Hamburg 19526; Joan DeMott, Carl & Carolyn Drasher, Joey Frey, Greg George, Laurie Goodrich, Kerry Grim, Robert Heise, Jack Holcomb, Linda Ingram, Suzanne John, Rudy Keller, Katrina Knight, Harold Lebo, Brian Martin, Michelle Medina, Barry Pounder, David & Phyl Reynolds, Norm Smith, Matt Spence, Bill Uhrich, Ursula Valdez, Tim Wirth, Sue Wolfe, Doug Wood.

BLAIR: *Bill King*, 3021 W. Chestnut Ave., Altoona 16601; Bruce & Marcia Bonta, Kathy & William Burch, Wes Burket, Janet DeMuth, Colette & William Heller, Glenn Pelter, John Salvetti, Katharine Everts-Temple, Dave Wittmer.

BUCKS: *Ken Kitson*, 704 Headquarters Rd., Ottsville 18942; Diane & Stephen Allison, Barbara Ashton, Jean Barrell, Steve Blank, George Carmichael, Marlin Cohn, Chuck Crunkleton, Francois Dewaghe, Ted Evans, Steve Farbotnik, Jim Gallagher, Eugene Gladston, Nicollette Goldstein, James Greenwood, James Hartley, Donald Jones, John Lukatchik, Jim Lymon, Wendy Margolis, John McCarthy, Barbara McGlaughlin, Bob Mercer, August & Jody Mirabella, Loraine Patterson, Fred & Terri Reckner, Hart & Jewel Rufe, Lori Secouler, Cathy Snyder, Robert Sparks, Chris Stieber, Wendy Whitelam, Tom Wurtenberger, Nick Zahn.

BUTLER: *Gene Wilhelm*, Ph.D., 513 Kelly Blvd., Slippery Rock 16057-1145; Harriet Bauer, Helen Beck, Kate Brydon, Ruth Crawford, Helen Ferguson, April Genth, David Kriska, Geraldine Martin, Joanne Wilhelm.

CHESTER: *Martin Page*, 9 Old Covered Bridge Rd., Newtown Square 19073; Bill Barber, Nancy & Robert Bernhardt, Mary Blecker,

Barry Blust, Devault Chrisman, Paul Earley, Jacob Guthrie, Michael Harvell, Dan Hegarty, Herbert Houston, Beryl & Phyllis Hurlock, Mary Alice Knox, Grant & Margie Lashbrook, Larry Lewis, Pat MacElreavey, John McNamara, Pat Messner, Martin Page, Jim Russell, Grier Saunders, Christopher Seitzer, Lisa Tull, Dale Umbel, Dan & Hoy White, Eleanor & Richard Wolf.

CLARION: *Margaret Buckwalter*, RR 2, Box 26, Shippenville 16254-0026; Walter Fye, Mike Leahy, Dale Luthringer, Joanne Meier, Carl Rowe, Lois & Warren Sager, Karl & Ruth Schurr, Linda Zelina.

CLEARFIELD: *Stephen & Mary Ann Belin*, RR 1, Box 285, Houtzdale 16651; John Fudrow, Carl & Imogene Ickes, Angelia, Katherine, Lucia & Michael Priselac.

CUMBERLAND: *Ramsay Koury Jr.*, 123 Old Ford Dr., Camp Hill 17011; John Dale, Jane Earle, Don Ebright, Don & Robyn Henise, Les Keck, Pete Lusardi, Don & Joan Pattison, Alan Sappe, Polly & Bob Schell, Connie Webster.

DAUPHIN: *Grace Randolph*, 1060 Country Hill Dr., Harrisburg 17111; Bill & Linda Baker, Jane Barnette, Fred Baumgarten, Scott & Robert Bills, Frank Blum, Dan Bogar, Sandra Brehm, Ed Chubb, Nancy Cladel, Bernie Crist, Gary Crossley, Cindy Adams Dunn, Dick & Laura Franz, Jim & Joan Funck, Cliff Jones, Carl & Nancy Juris, Dan Kline, Ramsay Koury, Gary LaBelle, Jean Lloyd, Mark McConaughy, Ron Ramsey, Kesler Randall, Sharon & Steve Rannels, Lex Runk, John Showers, Tom Smith, David Solomon, Jim Stanford, Guy Ubaghs, Dick & Pat Williams.

ELK: *Linda Christenson*, 602 Sunset Road, St. Marys 15857-3438; Lorei & Vic Bish, John Christenson, Dick Horsey, Frank Hughes, Evelyn Krug, Bill & Ed Murray, Arlene Robuck, Irene Spencer, Susan & Terry Steffan, Dave Wolfe.

FOREST: *April D. Walters*, Box 127, Endeavor 16322; Leota Brady, Ramona Carlson, Bob Toman, Jim Wadlow, Richard A. Walters.

FRANKLIN: *J. Kenneth Gabler*, 2381 Lincoln Way W,

Chambersburg 17201-8655; Charles & Winifred Adams, Blaine & Vaughnie Barnhart, Richard Bell, Charles & Henry Betz, Eleanor & Richard Bower, Robert Carmack, Diane Clopper, Joan Duffield, Shirley Fenstermacher, Carl Garner, Dale Gearhart, Davison & Margaret Grove, Jesse & Wilmer Hague, Bert & Maynard Henry, Roger Her-Paul, Betty & Bill Hayden, Barbara & Dan Higgins, Mary Jane High, Elizabeth Johnson, Bob & Theresa Kochert, Gale Lehman, Helen & Larry Lehman, Arlene Lipper, Eric Martin, Russel Martz, Vicki Miller, Nancy Myers, Lori Nichols, Earl Nollenberger, Delores Purnell, Joyce & Phil Schaff, Dan & Marilyn Snell, Sally Snider, Joyce Stuff, Dorothy Thomas, Rebecca Wertime, Denese & Joshua Williamson, Ed & Katie Yelinek, Jan & Thomas Yerkes.

GREENE: *Kathy Kern*, RR 1, Box 58, Waynesburg 15370; Anna Blystone, Mickey McVay Carrel, George Davis, Terry Dayton, Al Deynzer, Allen Hill, Marjorie Howard, Estelle Jenkins, Kathy Kisner, Jim Verna Lovetre, Bill Lubich, Gayle Maize, Kevin McElhaney, Thomas Redman, Kathy Reeves, Eric Wachsmuth, Cory & William Wentzel, Lew Williams, Jim Pearl Willis, Jean Zimmerman.

HUNTINGDON: *Greg Grove*, RR 1, Box 483, Petersburg 16669; Nick & Walton Bolgiano, Amanda Dumik, Deborah Grove, Peggy & Phil Halleck, David Kyler, Betsy Manlove, Paul Rodewald, Robert Taylor, Shirley Wagoner, Doug Wentzel.

INDIANA: *Margaret Higbee*, RR 2, Box 166, Indiana 15701; Pat Andrascik, Mary Bash, Bill & Tom Betts, Jean & Vernon Blystone, Jean Bobella, Lee Carnahan, Ernest & Geraldine Conrad, Greg Cook, Marcy Cunkelman, Gloria, Jane & Wayne Dick, Harriet Elliston, Betsy, Jed & Tom Fetterman, Helen Fiddler, David Foltz, Anna, Don & Nelson Frew, Sue Gatti, Steve Graff, Joyce Griffith, Carol Guba, Charlie Hertz, Roger Higbee, Leon Hue, Dory Jacobs, Pat Johner, Betty Johnson, Gloria Lamer, Pat Lanich, Mary A. Little, Beth Marshall, Flo McGuire, Gib McLaughlin, Norma Jane

Meharey, Melanie Mehus, Marilyn Moore, Marjorie Peterson, Alice Pierce, Rose Reed, Mary Roudebush, Barb, Joe & Patty Rowe, Matt Sarver, Bob Seelhorst, Nancy Smeltzer, Charlot Smith, Patrick Snickles, Linda Stormer, Mark Strittmatter, Georgette Syster, Joe & John Taylor, Ila Tourinsky, Marge Vatter.

JUNIATA: *Linda Whitesel*, RR 3, Box 820, Mifflintown 17059; Janie Bair, Esther Bratton, J. Hunter Hart, Christie & Daniel Kanagy, Issac Peathey, Elmer, Henry & Toby Petersheim, Amos Swarey, Aden, David, Ervin & Marvin Troyer.

LACKAWANNA: *Rosann Bongey*, 1414 The Hideout, Lake Ariel 18436; Derry Bird, Sue Borgia, Florence Gillespie Brown, Mark Burns, Michael Carey, Mark Catalano, Mary Kay Coleman, Glenn Czulada, Beth, Eugene & Lois Gallagher, John La Capra, Patricia Manville, Kathy Potts, Carol Reigle, Jane Shulenberg, Cheryl Stone, Elaine Thomas, Sue Zenke.

LANCASTER: *Bruce A. Carl*, 628 Fulton St., Akron 17501; Dottie Ashton, Phil Bedient, Barry Bell, Chuck & Elaine Chalfont, Nancy Clupper, Larry Cobler, Moms Cox, Bill Earhart, Tom Garner, Jay George, Betty Gish, Christy & Dave Gochemauer, Mike Gockley, Jane & Jonathan Grissinger, Barb & Frank Haas, Fred Habegger, Dennis Harnley, Lloyd & Walt Hassel, Jeff Hoppes, Jeane Kauffman, Tom Kurtz, Keath Leidich, Darryl & Sally Lownsbery, Tom McKinne, Carl & Phoebe Mellinger, Ralph & Randy Miller, Rick Morton, Chris, Jo & Ed Pederson, Alex & Sally Power, Dawn & Gene Regener, Brian Schleinkofer, Jane & Leon Schreffler, Gary Shirk, Ray & Wanda Stafford, Milt Steffy, Roger Stoner, Bill Tawzer, Eric & Jan Witmer.

LAWRENCE: *Suzanne Butcher*, 11 Norwick Dr., Youngstown, OH 44505; Nancy Rodgers, Mark & Sandee Swansiger, Linda Wagner.

LEHIGH: *Bernie Morris*, 4324 Glenwood Dr., Emmaus 18049; Fritz Brock, Pauline Morris.

LUZERNE: *Jim Shoemaker*, Suite 700, Mellon Bank Center, 8 W.

Market St., Wilkes-Barre 18701-1867; Karen Balchunas, Mark Blauer, Linda Cheatum, Vince De Antonis, Steuben & Vivian Granger, Alan C. Gregory, Sandy Goodwin, Bob & Nancy Houck, Jim Hoyson, John & Sandy Jakoby, Ed Johnson, Scott Killam, Rick Koval, Jim Martin, Barbara McAfee, Mark McCormick, Sam & Susan Merrill, Kathleen Niznik, Fred Pacolitch, Lisa & Sara Paull, Autumn Pfeiffer, Carol Samsel, Bob Wasilewski.

LYCOMING: *Wesley Egli*, PO Box 381, Picture Rocks 17762; Laura Andrus, Ron & Sandra Beach, Nelson Briefer, Mark Cline, Pat & Phil Courtright, Marjorie & Paul Egli, Greg & Lloyd Forcey, Kathleen Marabella, Joann Pap La Rin, Maurice Pap La Rin, Mike Reeder, Barbara & Ed Reish, Ed Scholtz, Fred Stiner.

NORTHAMPTON: *Elaine Mease*, 2366 Springtown Hill Rd., Hellertown 18055; Jim Burris, Ginny Derbyshire, Polly Ivenz, Carole Mebus, Mary Anne Reichard.

PHILADELPHIA: *Ed Fingerhood*, 70205 Delaire Landing Rd., Philadelphia 19114-4468; Erica Brendel, Skip Conant, John Ginaven, Janice T. Gordon, Bill Handley, Nancy Hence, Chuck Hetzel, Richard Horwitz, Steve Lawrence, Sid Lipschutz, Mike Logan, Chuck Lyman, Dr. Leonard Malamut, Christopher McCabe, Doris McGovern, Jim McKinney, Edie Parnun, Freda Rappaport, Tom Reeves, Keith Russell, Sandra Sherman, Kate Somerville, Judy Stepenaski, Belynda Stewart, Harry Todd, Christopher Walters, Brad Whitman, Frank Windfelder.

POTTER: *Gary L. Witmer*, 19 Avenue B, Coudersport 16915; Betty & Mary Devling, Walter Fleet, David Hauber, Mary Herrold, Stan Hess, Lawrence Mehal, M.E. "Jack" Mitterer, Mike Phillipe, Gary & Miriam Witmer.

SCHUYLKILL: *Tom Clauser*, 213 Deerfield Dr., Pottsville 17901; Aaron & Brian Clauser, Dave & Laurie Dolinsky, Marilyn Gamble, Laurie Goodrich, Margaret Kerschner, Dan Knarr, Dave Kruel, Barb Leymeister, Ann Liebner, Anne & Bob MacClay, Tom Noonan, Nefer

Sfarra, Janie Ulsh, Mike Ward, Scott Weidensaul, Sally Weisacosky, Doug Wood.

SULLIVAN: *Nick T. Kerlin*, PO Box 62, Forksville 18616-0062; Lou Blasi, Fred Crafts, Ginny Davis, Bob & Joan Exley, Amy Haueisen, Nancy Heaton, Mark & Zach Herzog, Hayden Laubach, Ann & Bill Leach, Daniel, Donna & Emily Long, Rob Megraw, Beverly & David Motko, Janet Mueller, David & Florence Reitz, Heather Remoff, Lois Richmond, Bill & Mary Lou Shaffer, Doris Shrimp, Phyllis & Stuart Stoutt.

TIOGA: *Robert M. Ross*, RR 2, Box 113A, Wellsboro 16901-9616; Arlene, Austin, Larry & Steve Brown, Bob Cupper, Charles Monger, David Sechrist, Joanne Stickler, Beth Walker.

VENANGO: *Russ States*, 24 E. Fifth St., Oil City 16301; Gary Edwards, Jerry Stanley.

WAYNE: *Voni and Joe Strasser*, RR 2, Box 37, Hawley 18428; Tom Dein, M.G. Bull, Katherine Dodge, John Fedak, Tim & Joan Gillner, Mary Hennings, Deuane Hoffman, Herman Krug, Barbara Leo, Christopher & Janice Pierson, George & Jane Poppich, Michelle Richards, Malcolm Ross.

WESTMORELAND: *Dick Byers*, 3570 Clawson Dr., Murrys ville 15668; Margaret Ackerman, Ken Byerly, Mary & Derry Dorman, Sandy Frank, Dena Hydman, Duncan Hyslop, Karen & Merle Jackson, Andrea Johnson, Hope King, Don Koch, Raymond & Jamie Kollar, Dennis Lauffer, Bob Leberman, Shirley Lisbon, Mark Makay, Mabel Matteson, Karyl Merchant, Gil Miskimmin, Ted Nemeth, Tom Pearson, Jim Pemberton, Jennifer Peters, Trace Ramsey, Barb Rich, Dee Rifenburg, Larry & Kathy Rowland, Mary Jane Seipler, Diane Sever, Carole Shanahan, Mary Shirland, Dennis Smeltzer, Harvey & Shirley Spindle, Ellie Stanton, Rita & Peggy Taylor, Tim Vechter.

WYOMING: *Bill Reid*, RR 2, Box 143, Tunkhannock 18657; Robert Daniels, Jeanne Kilmer, Shane Kleiner.

YORK: *Scott Walker*, 610 Park

Ave., New Cumberland 17070-1724; Peter Robinson, Carol Walker. ♣

NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Adams	Allegheny	Bedford	Berks	Blair	Bucks	Butler	Chester	Clarion	Clearfield	Cumberland	Dauphin
Coot, American	-	2	7	11	-	7	17	3	4	-	11	4
Plover, Black-bellied	-	-	-	-	-	-	-	10	-	-	-	-
Lesser Golden	-	-	-	-	-	-	-	-	-	-	-	-
Semipalmated	-	1	-	2	-	-	-	25	-	-	12	2
Killdeer	23	35	23	16	4	23	17	14	23	8	12	28
Yellowlegs, Greater	3	6	-	12	-	21	1	8	-	-	-	3
Lesser	1	6	-	5	-	11	-	16	3	-	11	7
Sandpiper, Solitary	10	7	2	19	7	16	15	14	9	-	20	19
Willet	-	-	-	-	-	-	-	-	1	-	-	-
Sandpiper, Spotted	3	24	-	19	7	14	3	24	2	-	16	25
Upland	2	-	-	-	-	-	-	-	-	-	1	-
Sandpiper, Semipalmated	-	6	-	-	-	-	-	26	-	-	5	-
Least	-	41	-	14	-	9	-	57	2	-	23	23
White-rumped	-	10	-	-	-	-	-	-	-	-	-	-
Pectoral	-	3	-	-	-	-	-	4	-	-	7	-
Dunlin	-	-	-	-	-	-	-	-	-	-	-	-
Dowitcher, Short-billed	-	-	-	1	-	-	-	-	-	-	-	-
Shiie, Common	1	3	-	-	-	-	2	1	-	-	1	2
Woodcock, American	2	-	-	-	1	-	1	-	-	-	1	3
Phalarope, Wilson's	-	1	-	-	-	-	-	1	-	-	-	-
Gull, Laughing	-	-	1	-	-	195	-	-	-	-	-	-
Bonaparte's	-	-	-	7	-	-	-	-	-	-	6	27
Ring-billed	-	21	50	120	-	211	2	-	187	-	75	379
Herring	3	8	49	-	-	91	-	-	-	-	-	1
Great Black-backed	-	-	-	-	-	5	-	-	-	-	3	4
Tern, Caspian	-	-	-	-	-	-	-	-	-	-	-	-
Common	-	-	-	-	-	-	2	-	6	-	11	8
Forster's	-	-	-	-	-	-	-	-	-	-	-	24
Black	-	-	-	-	-	-	-	-	2	-	-	1
Dove, Rock	77	61	2	171	72	172	109	113	63	2	275	71
Mourning	91	78	70	166	34	374	19	124	39	20	74	187
Cuckoo, Black-billed	-	-	-	-	-	5	-	4	-	-	-	-
Yellow-billed	-	-	-	1	-	2	-	-	-	-	-	3
Owl, Barn	5	-	-	-	-	2	-	-	-	-	-	1
Eastern Screech	-	3	-	3	1	1	1	9	-	-	2	5
Great Horned	2	1	4	4	-	2	-	3	-	-	-	-
Barred	1	-	1	-	-	-	1	1	2	-	-	2
Short-eared	-	4	-	-	-	-	-	-	-	-	-	-
Nighthawk, Common	-	-	-	-	-	1	-	3	-	-	-	1
Whip-poor-will	-	-	3	-	-	-	-	-	-	-	5	-
Swift, Chimney	26	12	30	108	6	272	30	149	12	-	406	191
Hummingbird, Ruby-throated	11	5	18	13	10	14	11	6	2	2	6	9
Kingfisher, Belted	2	2	5	3	2	16	2	9	3	-	6	4
Woodpecker, Red-headed	31	-	1	3	-	-	2	-	-	1	2	-
Red-bellied	27	53	21	64	13	108	11	71	4	-	23	38
Sapsucker, Yellow-bellied	7	1	-	-	-	2	-	-	-	-	-	-
Woodpecker, Downy	39	44	20	49	10	69	17	33	7	11	18	55
Hairy	11	7	3	10	7	10	8	7	3	-	3	10
Flicker, Northern	17	40	22	38	17	68	15	57	10	7	14	56
Woodpecker, Pileated	7	4	10	6	12	5	2	1	3	-	2	17
Flycatcher, Olive-sided	-	-	-	-	-	-	-	-	-	-	-	-
Wood-pewee, Eastern	3	-	1	1	-	-	1	3	2	1	-	3
Flycatcher, Yellow-bellied	1	-	-	-	-	-	-	-	-	-	-	-
Acadian	3	2	-	-	-	-	-	6	4	-	1	1
Alder	-	-	-	-	-	-	-	-	-	-	-	-
Willow	-	-	-	-	-	-	-	-	-	-	-	-
Least	-	14	2	-	2	2	2	2	1	-	2	5

NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Adams	Allegheny	Bedford	Berks	Blair	Bucks	Butler	Chester	Clarion	Clearfield	Cumberland	Dauphin
Phoebe, Eastern	4	12	15	25	6	20	6	19	6	1	17	33
Flycatcher, Great Crested	9	2	4	18	2	34	1	13	-	-	11	11
Kingbird, Eastern	19	-	4	44	-	112	3	89	6	1	35	96
Lark, Horned	-	11	-	-	-	-	2	3	-	-	6	-
Martin, Purple	10	-	-	23	-	6	100	29	1	-	180	6
Swallow, Tree	17	25	31	2794	23	994	1000	797	125	26	159	685
Northern Rough-winged.	5	44	1	270	4	2543	500	65	4	2	79	91
Bank Swallow	22	21	50	165	1	211	500	53	9	-	52	190
Cliff Swallow	-	-	-	304	31	174	250	24	4	-	40	138
Barn Swallow	57	307	57	456	95	2310	1000	175	62	2	509	364
Jay, Blue	49	104	44	238	20	375	21	183	46	41	106	144
Crow, American	61	112	86	179	71	603	19	194	77	47	131	307
Fish Crow	2	-	3	20	-	18	-	14	-	-	9	6
Raven, Common	1	-	2	1	1	-	-	-	1	1	2	-
Chickadee, Black-capped	8	63	30	62	20	72	30	-	55	28	19	47
Carolina Chickadee	29	43	-	4	-	135	-	87	-	-	19	12
Titmouse, Tufted	27	76	47	75	23	225	21	90	13	6	32	109
Nuthatch, Red-breasted	1	-	-	1	-	-	-	-	2	-	-	-
White-breasted Nuthatch	21	26	17	37	11	29	11	21	10	7	18	20
Creepers, Brown	-	1	-	1	-	-	-	-	12	-	-	3
Wren, Carolina	7	24	-	3	1	27	-	23	-	-	-	16
House Wren	19	25	11	36	5	97	3	81	3	2	33	33
Winter Wren	-	-	-	2	-	-	-	1	1	-	3	1
Sedge Wren	-	1	-	-	-	-	-	-	-	-	-	-
Marsh Wren	-	-	-	1	-	-	-	-	-	-	-	-
Kinglet, Golden-crowned	-	-	-	5	-	-	-	-	2	-	-	-
Ruby-crowned Kinglet	4	22	-	16	10	4	6	4	12	1	21	1
Gnatcatcher, Blue-Gray	17	13	15	27	17	62	5	100	-	-	38	38
Bluebird, Eastern	19	11	48	39	9	49	1	43	18	1	12	72
Veery	12	7	-	26	1	26	5	48	2	1	10	23
Thrush, Gray-cheeked	-	-	-	-	-	-	-	-	-	-	1	-
Swainson's Thrush	1	5	-	1	-	2	-	-	-	-	4	3
Hermit Thrush	-	1	-	6	-	1	-	1	11	-	2	2
Wood Thrush	23	31	2	110	28	210	19	127	3	3	69	70
Robin, American	174	401	210	471	115	1247	140	398	150	144	329	583
Catbird, Gray	47	41	16	243	31	526	17	406	14	5	158	204
Mockingbird, Northern	17	6	6	21	-	60	1	54	-	-	19	20
Thrasher, Brown	11	3	7	7	3	26	2	18	4	1	11	12
Pipit, American	12	43	-	-	-	-	-	4	4	-	6	30
Waxwing, Cedar	5	-	-	20	-	43	-	1	-	-	39	31
Shrike, Loggerhead	2	-	-	-	-	-	-	-	-	-	-	-
Starling, European	306	174	115	398	68	933	137	306	101	46	382	663
Vireo, White-eyed	6	9	-	5	-	20	1	40	-	-	11	13
Solitary Vireo	2	11	-	4	13	1	5	9	4	-	11	11
Yellow-throated Vireo	5	2	1	7	1	5	2	18	-	-	2	6
Warbling Vireo	1	-	-	7	-	36	-	10	-	-	5	8
Philadelphia Vireo	-	1	-	-	-	1	-	-	-	-	-	-
Red-eyed Vireo	19	2	4	23	2	48	1	55	3	1	15	22
Warbler, Blue-winged	9	15	-	27	1	49	3	34	1	-	14	25
Golden-winged Warbler	-	-	-	1	-	-	-	-	-	-	3	1
Tennessee Warbler	-	2	-	1	-	-	-	1	-	-	-	3
Orange-crowned Warbler	-	-	-	-	-	-	2	-	-	-	-	-
Nashville Warbler	3	6	2	1	3	2	2	1	21	-	5	4
Parula, Northern	3	1	-	14	-	44	-	44	2	2	8	30
Warbler, Yellow	9	43	11	59	10	207	120	136	8	3	64	94
Chestnut-sided Warbler	17	19	1	13	7	8	11	24	3	2	30	27
Magnolia Warbler	8	17	-	7	4	24	15	37	5	1	6	9

NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Adams	Allegheny	Bedford	Berks	Blair	Bucks	Butler	Chester	Clarion	Clearfield	Cumberland	Dauphin
Cape May	1	-	-	-	-	-	2	1	-	-	2	5
Black-throated Blue	53	9	-	36	9	38	3	64	-	-	46	41
Yellow-rumped	62	101	22	806	26	597	283	282	24	11	411	313
Black-throated Green	17	34	1	58	16	28	10	46	25	8	65	58
Blackburnian	3	20	4	5	10	7	3	15	2	1	9	18
Yellow-throated	-	-	-	-	1	1	4	-	1	-	3	-
Pine	5	1	2	-	-	2	-	-	2	-	-	3
Prairie	7	1	2	3	-	25	2	8	-	-	16	15
Palm	-	3	-	2	2	6	10	2	-	-	3	-
Bay-breasted	1	-	-	-	-	-	-	4	2	-	-	4
Blackpoll	-	-	-	1	1	3	-	1	-	-	-	1
Cerulean	2	8	2	4	3	3	-	3	1	-	10	8
Black-and-white	19	20	2	65	8	50	13	28	7	4	35	56
Redstart, American	63	5	16	36	24	63	9	51	-	3	81	40
Warbler, Prothonotary	-	-	-	-	-	-	4	-	-	-	-	-
Worm-eating	4	-	8	10	4	10	1	-	-	-	5	16
Ovenbird	29	19	20	251	25	69	6	111	6	11	78	160
Waterthrush, Northern	-	-	3	3	-	11	-	10	-	-	10	9
Louisiana	5	1	-	22	1	3	12	7	-	-	2	13
Warbler, Kentucky	3	7	-	1	-	3	1	11	-	-	3	4
Connecticut	-	-	-	-	-	-	-	-	-	-	-	-
Mourning	-	-	-	-	-	-	-	-	-	-	-	-
Yellowthroat, Common	33	13	14	145	18	191	13	206	4	10	67	87
Warbler, Hooded	3	10	-	13	4	1	3	1	2	2	16	35
Wilson's	-	1	-	-	-	2	1	-	-	-	-	-
Canada	3	-	-	5	2	-	-	3	1	-	1	1
Chat, Yellow-breasted	-	1	-	1	-	-	-	4	-	-	6	5
Tanager, Summer	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet	21	20	24	45	8	55	2	33	-	-	20	29
Cardinal, Northern	69	142	51	167	25	310	36	381	14	15	69	145
Grosbeak, Rose-breasted	27	19	15	48	24	66	30	46	11	51	78	83
Blue	-	-	7	-	-	-	-	-	-	-	-	-
Bunting, Indigo	32	4	12	15	8	-	2	22	5	4	27	79
Towhee, Eastern	27	67	66	167	51	122	15	109	22	26	86	100
Sparrow, American Tree	-	-	-	-	1	-	-	1	-	-	-	-
Chipping	53	56	81	91	54	52	43	106	54	40	67	90
Field	17	26	19	50	11	69	-	28	6	2	26	71
Vesper	-	16	-	-	-	-	-	1	-	-	7	3
Savannah	-	35	-	-	-	6	4	6	-	-	1	9
Grasshopper	5	36	1	2	-	-	-	2	-	-	4	2
Henslow's	-	21	-	-	-	-	-	-	-	-	-	-
Fox	-	-	-	-	1	-	-	-	-	-	-	-
Song	21	114	32	83	19	231	33	177	21	14	68	122
Lincoln's	-	-	-	2	-	-	-	-	-	-	-	1
Swamp	1	1	4	1	-	30	10	9	3	-	1	4
White-throated	17	126	12	35	39	67	26	48	-	5	57	26
White-crowned	11	17	21	3	-	-	23	-	6	9	11	9
Junco, Dark-eyed	-	1	9	2	-	1	-	-	36	-	3	2
Bobolink	23	21	4	37	-	43	20	82	19	-	9	85
Blackbird, Red-winged	63	290	70	155	98	547	191	275	75	76	183	456
Meadowlark, Eastern	11	20	9	6	1	11	15	16	6	4	17	13
Blackbird, Rusty	2	-	-	2	-	-	-	-	-	-	2	-
Grackle, Common	91	132	135	487	117	844	170	262	49	60	463	1007
Cowbird, Brown-headed	22	40	51	114	35	252	42	104	-	17	62	171
Oriole, Orchard	-	5	14	2	-	10	-	23	-	-	4	1
Baltimore	16	31	30	56	16	198	13	98	6	5	40	84
Purple Finch	-	1	27	5	9	-	17	1	13	22	3	-

NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Adams	Allegheny	Bedford	Berks	Blair	Bucks	Butler	Chester	Clarion	Clearfield	Cumberland	Dauphin
House Finch	39	45	41	131	12	164	29	61	2	6	91	184
Redpoll, Common	-	-	-	-	-	-	3	-	-	-	-	-
Siskin, Pine	-	-	-	-	-	-	-	-	-	-	-	-
Goldfinch, American	31	99	115	242	51	259	56	206	59	34	99	148
Grosbeak, Evening	-	-	-	-	-	-	-	-	-	-	-	-
Sparrow, House	21	113	58	144	42	113	51	56	8	11	86	154
Buteo sp.	-	-	-	-	-	-	-	-	-	-	-	-
Eagle sp.	-	-	-	-	-	-	-	-	-	-	-	-
Peep sp.	-	1	-	1	-	-	-	-	-	-	-	-
Gull sp.	-	2	-	2	-	-	-	-	-	-	-	-
Sterna sp.	-	-	-	-	-	-	-	-	-	-	-	-
Empidonax sp.	1	5	3	2	-	-	-	-	2	2	-	2
Swallow sp.	-	-	-	-	-	-	-	-	-	-	-	1000
Crow sp.	-	8	-	-	-	-	-	6	-	-	-	9
Chickadee sp.	-	-	-	-	-	-	-	-	-	-	-	-
Vireo sp.	-	1	-	-	-	-	-	-	-	-	-	-
Warbler, Brewster's	-	-	-	-	-	-	-	-	-	-	-	1
Warbler, Lawrence's	-	-	-	-	-	-	-	-	-	-	-	-
Blackbird sp.	-	-	-	-	-	-	-	-	-	37	-	-
Total Individuals	2824	4440	2363	11713	1785	19746	5817	8543	2038	947	6764	11512
Total Species	125	136	102	150	100	141	126	149	118	71	155	165

	Dauphin	Elk	Forest	Franklin	Greene	Huntingdon	Indiana	Juniata	Lackawanna	Lancaster	Lawrence	Lehigh
Loon, Red-Throated	-	-	-	-	-	-	-	-	-	-	-	-
Common Grebe, Pied-billed	3	3	-	-	-	1	7	-	10	-	-	2
Horned	3	-	-	1	-	1	3	-	1	1	-	-
Cormorant, Great Double-crested	-	-	-	1	-	-	-	-	-	-	-	-
Bittern, American	41	-	-	-	-	8	6	1	2	89	-	-
Least Heron, Great Blue	2	10	1	14	39	-	12	2	24	8	4	-
Egret, Great Snowy	71	-	-	-	-	-	-	1	-	1	-	-
Heron, Little Blue	1	-	-	-	-	-	-	-	-	1	-	-
Heron, Green	10	-	1	9	-	3	5	5	3	6	-	2
Night Heron, Black-crowned Yellow-crowned	7	-	-	-	-	-	-	-	-	124	-	-
Swan, Tundra	-	-	-	-	-	-	-	-	-	2	-	-
Mute Goose, Snow	-	-	-	-	-	-	1	2	1	3	1	-
Canada Duck, Wood Teal, Green-winged	421	77	27	382	67	54	242	82	312	5374	51	50
Duck, American Black Mallard	41	8	15	35	10	11	38	32	43	62	8	2
Teal, Blue-winged	2	-	-	-	-	-	-	-	-	1	-	-
Shoveler, Northern Gadwall	182	13	14	257	28	48	209	89	57	7	15	20
Wigeon, American	6	2	-	-	-	3	9	-	-	196	-	-
Canvasback	3	-	-	-	-	-	-	-	-	1	-	-
Duck, Ringed-neck Scaup, Lesser	1	-	-	-	2	-	-	-	-	-	-	-
Canvasback	2	-	-	-	-	-	-	-	-	-	-	-
Duck, Ringed-neck Scaup, Lesser	-	-	-	-	-	-	6	-	-	-	-	-

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	Dauphin	Elk	Forest	Franklin	Greene	Huntingdon	Indiana	Juniata	Lackawanna	Lancaster	Lawrence	Lehigh
Scoter, Surf	-	-	-	-	-	-	-	-	-	-	-	5
Bufflehead	3	-	-	1	-	-	-	-	-	-	-	-
Merganser, Hooded	-	2	-	2	-	-	-	-	-	-	-	-
Common	7	26	13	-	-	-	5	1	5	1	-	-
Red-breasted	8	-	-	-	-	1	13	-	-	-	-	-
Duck, Ruddy	-	-	-	1	-	-	-	-	-	-	-	-
Vulture, Black	4	-	-	22	-	4	-	1	-	49	-	-
Turkey	93	22	5	140	100	99	17	71	26	320	2	6
Osprey	3	1	-	4	2	3	1	1	9	19	1	-
Eagle, Bald	4	-	2	-	-	-	1	-	-	5	-	-
Harrier, Northern	-	-	-	2	-	1	1	-	-	1	-	-
Hawk, Sharp-shinned	4	3	-	4	2	1	2	-	1	4	-	1
Cooper's	3	3	-	7	-	1	5	2	1	1	1	-
Goshawk, Northern	-	-	-	-	-	-	-	-	-	-	-	-
Hawk Red-shouldered	1	-	-	-	-	1	1	-	-	-	-	-
Broad-winged	4	-	-	7	1	1	5	4	4	6	-	1
Red-tailed	24	-	-	24	25	10	33	18	18	40	1	3
Kestrel, American	9	1	-	7	3	3	15	9	8	17	-	2
Merlin	1	-	-	-	-	-	-	1	-	1	-	-
Falcon, Peregrine	2	-	-	-	-	-	-	-	-	1	-	-
Pheasant, Ring-necked	11	-	-	5	4	2	21	1	-	5	-	-
Grouse, Ruffed	1	19	-	-	3	4	16	4	3	-	-	-
Turkey, Wild	9	5	2	6	47	2	23	3	7	2	-	-
Bobwhite, Northern	-	3	-	2	-	-	-	1	-	-	-	-
Rail, Virginia	-	-	-	-	-	-	-	-	-	-	-	-
Sora	-	-	-	-	-	-	1	-	-	-	-	-
Moorhen, Common	-	-	-	-	-	-	-	-	-	1	-	-
Coot, American	4	-	-	-	-	2	33	-	4	3	-	1
Plover, Black-bellied	-	-	-	-	-	-	-	-	-	-	-	-
Lesser Golden	-	-	-	-	-	-	-	-	-	-	-	-
Semipalmated	2	-	-	1	-	-	4	-	-	-	3	-
Killdeer	28	22	8	72	20	16	77	22	17	32	7	1
Yellowlegs, Greater	3	-	-	5	-	-	-	12	-	12	-	1
Lesser	7	-	-	16	-	-	8	4	1	13	-	23
Sandpiper, Solitary	19	7	1	24	4	11	7	31	17	18	2	-
Willet	-	-	-	-	-	-	-	-	-	-	-	-
Sandpiper, Spotted	25	22	3	38	1	23	52	20	5	37	2	4
Upland	-	-	-	-	-	-	-	-	-	-	6	-
Sandpiper, Semipalmated	-	-	-	-	-	-	-	-	-	14	-	-
Least	23	-	-	27	-	-	3	3	2	2	-	12
White-rumped	-	-	-	-	-	-	-	-	-	-	-	-
Pectoral	-	-	-	-	-	-	-	-	-	-	-	-
Dunlin	-	-	-	1	-	-	1	-	-	-	-	-
Dowitcher, Short-billed	-	-	-	-	-	-	-	-	-	-	-	-
Snipe, Common	2	-	-	1	3	2	1	-	-	-	3	-
Woodcock, American	3	4	-	-	4	8	13	2	4	-	-	-
Phalarope, Wilson's	-	-	-	1	-	-	-	-	-	-	-	-
Gull, Laughing	-	-	-	-	-	-	-	-	-	-	-	-
Bonaparte's	27	-	-	-	-	1	5	-	-	-	-	-
Ring-billed	379	-	-	20	-	261	88	5	-	201	-	-
Herring	1	-	-	-	-	-	-	-	-	-	-	-
Great Black-backed	4	-	-	-	-	-	-	-	-	-	-	-
Tern, Caspian	-	-	-	-	-	-	-	-	-	4	-	-
Common	8	-	-	-	-	-	-	-	-	-	-	-
Forster's	24	-	-	-	-	1	2	-	-	-	-	-
Black	1	-	-	-	-	-	1	-	-	-	-	-
Dove, Rock	71	23	4	595	42	51	45	186	57	215	12	50

NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Dauphin	Elk	Forest	Franklin	Greene	Huntingdon	Indiana	Juniata	Lackawanna	Lancaster	Lawrence	Lehigh
Mourning	187	106	28	230	109	58	354	80	147	159	7	20
Cuckoo, Black-billed	-	-	-	3	2	-	-	-	-	1	-	1
Yellow-billed	3	-	-	1	4	2	-	-	1	2	-	-
Owl, Barn	1	-	-	-	-	-	-	1	-	-	-	-
Eastern Screech	5	-	-	1	1	2	-	-	-	2	-	-
Great Horned	-	3	-	3	3	3	4	1	1	1	-	-
Barred	2	2	-	4	1	3	3	2	1	-	-	-
Short-eared	-	-	-	-	-	-	-	-	-	-	-	-
Nighthawk, Common	1	-	-	-	-	-	-	-	-	-	-	-
Whip-poor-will	-	-	-	2	1	2	3	1	-	-	-	-
Swift, Chimney	191	-	300	171	47	24	43	40	7	271	200	15
Hummingbird, Ruby-throated	9	4	5	37	54	8	54	16	2	20	2	2
Kingfisher, Belted	4	2	2	15	1	5	12	11	4	14	1	1
Woodpecker, Red-headed	-	-	-	13	1	1	1	-	-	8	1	-
Red-bellied	38	2	5	64	23	14	40	19	2	56	5	10
Sapsucker, Yellow-bellied	-	11	-	5	-	-	-	-	1	1	-	-
Woodpecker, Downy	55	17	11	78	37	18	81	34	18	42	6	15
Hairy	10	15	3	16	7	13	26	3	1	9	7	1
Flicker, Northern	56	22	1	88	14	26	70	24	33	51	1	10
Woodpecker, Pileated	17	4	4	25	13	18	18	4	7	1	-	-
Flycatcher, Olive-sided	-	-	-	1	-	1	-	-	-	-	-	-
Wood-pewee, Eastern	3	-	1	8	-	-	1	-	-	7	-	-
Flycatcher, Yellow-bellied	-	-	-	-	-	-	-	-	-	-	-	-
Acadian	1	-	-	5	2	-	2	-	-	9	-	-
Alder	-	-	-	-	-	-	-	-	-	1	-	-
Willow	-	-	-	-	-	-	-	-	-	-	-	-
Least	5	13	2	9	1	12	19	3	7	3	1	-
Phoebe, Eastern	33	1	1	43	13	13	66	17	21	17	6	1
Flycatcher, Great Crested	11	-	-	27	4	9	3	11	4	30	-	2
Kingbird, Eastern	96	-	-	104	4	6	12	8	25	151	-	-
Lark, Horned	-	2	-	11	-	-	5	-	-	1	6	1
Martin, Purple	6	-	1	29	42	-	-	57	-	64	6	2
Swallow, Tree	685	160	21	358	133	139	1740	372	797	567	5	12
Northern Rough-winged.	91	-	4	83	16	31	131	29	49	52	5	15
Bank	190	5	-	5	-	-	27	2	-	475	1	6
Cliff	138	17	24	3	-	105	27	13	69	3	1	2
Barn	364	37	8	683	284	403	480	456	417	712	33	25
Jay, Blue	144	45	19	241	131	66	328	77	122	277	13	35
Crow, American	307	92	56	328	154	183	537	186	305	209	21	40
Fish	6	-	-	14	-	6	-	2	-	27	-	1
Raven, Common	-	10	-	3	2	10	-	2	-	-	-	-
Chickadee, Black-capped	47	71	17	79	102	54	328	25	158	24	14	6
Carolina	12	20	-	20	-	3	-	-	-	69	-	1
Titmouse, Tufted	109	5	3	110	111	37	166	60	55	100	13	12
Nuthatch, Red-breasted	-	5	-	1	-	3	-	-	3	-	-	-
White-breasted	20	11	6	53	44	15	94	25	18	17	5	6
Creepers, Brown	3	4	1	-	1	6	6	-	9	-	-	-
Wren, Carolina	16	-	2	35	11	3	6	16	1	32	-	-
House	33	3	-	96	23	32	49	22	46	64	3	15
Winter	1	1	2	-	-	5	-	1	3	1	-	-
Sedge	-	-	-	-	-	-	-	-	-	1	-	-
Marsh	-	-	-	-	-	-	-	-	-	-	-	-
Kinglet, Golden-crowned	-	-	-	2	-	5	4	-	2	1	-	-
Ruby-crowned	1	2	5	19	3	28	43	10	7	24	3	2
Gnatcatcher, Blue-Gray	38	-	-	60	34	39	59	34	2	52	5	8
Bluebird, Eastern	72	6	4	136	59	24	77	62	10	63	9	3

NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Dauphin	Elk	Forest	Franklin	Greene	Huntingdon	Indiana	Juniata	Lackawanna	Lancaster	Lawrence	Lehigh
Veery	23	-	-	6	3	4	16	3	10	57	3	6
Thrush, Gray-cheeked	-	-	-	-	-	-	-	-	-	-	-	-
Swainson's	3	-	-	3	-	1	6	-	-	5	-	1
Hermitt	2	21	5	1	-	2	13	-	5	-	-	-
Wood	70	2	9	82	81	38	194	25	32	190	9	20
Robin, American	583	265	65	963	346	136	1258	300	496	799	68	50
Catbird, Gray	204	8	17	259	80	76	187	81	94	384	18	25
Mockingbird, Northern	20	-	-	107	4	2	6	8	9	29	-	-
Thrasher, Brown	12	-	-	51	6	5	23	8	3	9	3	1
Pipit, American	30	-	-	1	-	-	-	-	-	118	-	-
Waxwing, Cedar	31	-	-	1	3	-	-	-	20	46	-	-
Shrike, Loggerhead	-	-	-	-	-	-	-	-	-	-	-	-
Starling, European	663	150	37	1176	242	113	927	255	454	596	101	100
Vireo, White-eyed	13	11	-	7	7	-	7	-	-	11	-	-
Solitary	11	7	1	9	1	22	37	-	5	15	1	-
Yellow-throated	6	1	-	1	17	4	3	-	1	17	-	3
Warbling	8	2	1	2	9	3	1	1	2	14	-	6
Philadelphia	-	-	-	-	-	-	-	-	-	-	-	1
Red-eyed	22	23	-	71	15	8	12	14	6	47	-	3
Warbler, Blue-winged	25	-	2	10	39	5	9	7	14	37	4	1
Golden-winged	1	-	-	2	-	-	-	1	-	-	-	-
Tennessee	3	-	-	4	1	-	-	1	3	2	-	-
Orange-crowned	-	-	-	-	-	-	-	-	-	-	-	-
Nashville	4	3	-	10	6	4	8	5	3	15	3	1
Parula, Northern	30	-	-	7	3	3	8	-	-	46	-	12
Warbler, Yellow	94	1	6	100	55	34	141	24	50	104	12	20
Chestnut-sided	27	3	2	23	5	9	8	1	7	67	1	14
Magnolia	9	1	1	20	6	3	18	2	2	52	6	3
Cape May	5	-	-	2	1	-	4	-	1	2	-	-
Black-throated Blue	41	-	2	46	2	20	20	3	8	110	2	3
Yellow-rumped	313	14	-	156	63	73	294	308	320	1058	32	40
Black-throated Green	58	5	3	45	11	77	113	9	17	94	16	16
Blackburnian	18	4	1	24	6	29	39	1	14	19	-	3
Yellow-throated	-	-	-	1	5	4	2	-	-	2	-	-
Pine	3	-	-	-	-	4	5	1	-	1	-	-
Prairie	15	-	-	-	4	5	8	2	35	7	-	-
Palmer	6	8	-	12	-	7	14	1	2	11	1	-
Bay-breasted	4	-	-	3	2	-	-	1	-	2	-	-
Blackpoll	1	-	-	-	-	-	2	-	-	1	-	-
Cerulean	8	-	-	6	29	8	8	-	-	7	6	-
Black-and-white	56	11	2	30	5	24	46	6	20	71	1	15
Redstart, American	40	3	2	89	22	26	50	4	10	121	5	15
Warbler, Prothonotary	-	-	-	-	-	-	-	-	-	-	-	-
Worm-eating	16	-	-	9	-	6	-	8	-	10	-	4
Ovenbird	160	24	7	80	54	123	141	32	91	195	1	40
Waterthrush, Northern	9	-	-	11	-	1	1	1	3	7	-	1
Louisiana	13	-	-	14	7	16	8	8	7	11	-	-
Warbler, Kentucky	4	-	-	7	15	-	7	-	-	1	-	2
Connecticut	-	-	-	-	-	-	-	-	-	-	-	-
Mourning	-	-	-	-	-	-	-	-	-	-	-	-
Yellowthroat, Common	87	2	10	12	83	80	171	58	54	155	6	15
Warbler, Hooded	35	-	-	8	8	1	16	-	2	5	7	1
Wilson's	-	-	-	1	-	-	4	-	-	-	-	-
Canada	1	-	-	2	-	6	1	1	-	5	-	-
Chat, Yellow-breasted	5	-	-	6	13	2	-	-	-	6	-	-
Tanager, Summer	-	-	-	-	1	-	-	-	-	-	-	-
Scarlet	29	2	-	49	45	15	18	4	5	88	-	2

NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Dauphin	Elk	Forest	Franklin	Greene	Huntingdon	Indiana	Juniata	Lackawanna	Lancaster	Lawrence	Lehigh
Cardinal, Northern	145	19	17	215	186	45	319	77	57	156	12	25
Grosbeak, Rose-breasted	83	70	24	93	27	75	151	23	38	98	20	12
Blue	-	-	-	-	-	-	-	-	-	2	-	-
Bunting, Indigo	79	2	2	96	57	16	41	51	6	59	-	-
Towhee, Eastern	100	35	25	137	150	165	369	44	36	56	17	3
Sparrow, American Tree	-	-	7	23	-	-	-	-	-	-	-	-
Chipping	90	125	29	218	81	104	492	126	179	79	12	8
Field	71	20	7	68	64	35	157	15	61	35	13	3
Vesper	3	2	3	3	-	1	4	2	-	2	-	1
Savannah	9	12	3	-	-	-	9	8	6	4	16	-
Grasshopper	2	-	-	4	1	-	9	5	1	3	6	2
Henslow's	-	-	-	-	-	-	2	-	-	-	6	-
Fox	-	-	-	3	-	-	-	-	-	-	-	-
Song	122	46	39	219	141	77	283	87	124	105	38	6
Lincoln's	1	1	-	-	-	1	-	-	-	-	1	-
Swamp	4	-	4	1	-	3	14	11	8	15	3	-
White-throated	26	10	11	69	8	28	82	39	15	105	6	6
White-crowned	9	26	24	85	31	8	54	12	14	7	3	-
Junco, Dark-eyed	2	75	25	3	-	7	5	1	3	4	-	-
Bobolink	85	5	13	104	5	10	34	61	156	106	19	8
Blackbird, Red-winged	456	132	72	376	343	167	1821	175	813	187	136	40
Meadowlark, Eastern	13	8	2	5	26	3	68	15	8	9	11	4
Blackbird, Rusty	-	-	-	12	-	-	7	-	-	-	-	-
Grackle, Common	1007	163	52	1066	169	141	1368	516	169	1155	34	50
Cowbird, Brown-headed	171	37	19	150	129	41	272	47	95	148	6	20
Oriole, Orchard	1	-	-	7	7	2	5	2	2	15	-	2
Baltimore	84	5	3	150	31	31	78	52	29	136	1	25
Purple Finch	-	8	8	23	6	3	46	4	36	-	1	-
House Finch	184	28	13	246	116	20	266	106	66	85	21	20
Redpoll, Common	-	-	-	-	-	-	1	-	-	-	-	-
Siskin, Pine	-	-	-	-	-	-	1	-	-	-	-	-
Goldfinch, American	148	168	50	399	146	164	610	131	272	337	36	10
Grosbeak, Evening	-	1	-	-	-	-	-	-	-	-	-	-
Sparrow, House	154	26	17	464	71	20	269	150	114	231	-	-
Buteo sp.	-	-	-	-	-	-	-	-	-	-	-	-
Eagle sp.	-	-	-	-	-	2	-	-	-	-	-	-
Peep sp.	-	-	-	1	-	-	-	1	-	-	-	-
Gull sp.	-	-	-	-	-	-	-	-	-	-	-	-
Sterna sp.	-	-	-	300	-	-	-	-	-	-	-	-
Empidonax sp.	2	3	-	-	-	3	17	3	-	2	-	1
Swallow sp.	1000	-	-	-	-	500	-	-	-	-	-	-
Crow sp.	9	-	-	29	-	-	-	6	-	10	-	-
Chickadee sp.	-	-	-	-	-	-	-	-	-	-	-	-
Vireo sp.	-	-	-	-	-	-	-	-	-	-	-	-
Warbler, Brewster's	1	-	-	-	-	5	-	-	-	-	-	-
Warbler, Lawrence's	-	-	-	1	-	-	-	-	-	-	-	-
Blackbird sp.	-	-	-	12	-	-	-	-	-	-	-	-
Total Individuals	11512	2552	1271	13166	4996	4749	16662	5286	7109	18422	1223	1127
Total Species	165	98	81	152	116	136	152	124	119	161	87	96

NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Luzerne	Lycoming	Northampton	Philadelphia	Potter	Schuylkill	Sullivan	Tioga	Venango	Wayne	Westmoreland	Wyoming	York
Loon, Red-Throated	-	-	-	-	-	-	-	-	-	-	-	-	-
Common Grebe, Pied-billed	3	5	-	-	1	4	3	-	2	21	3	-	2
Horned	-	-	-	-	-	-	-	-	-	-	2	-	-
Cormorant, Great	-	-	-	4	-	-	-	-	-	-	-	-	-
Double-crested	30	9	-	91	-	2	2	3	16	-	4	-	1
Bittern, American	2	-	-	-	1	1	-	-	-	-	-	-	1
Least	-	-	-	-	-	-	-	-	-	-	-	-	-
Heron, Great Blue	17	3	2	14	11	8	8	33	10	19	15	7	4
Egret, Great	-	-	-	10	-	-	-	-	-	-	-	-	2
Snowy	-	-	-	-	-	-	-	-	-	-	-	-	-
Heron, Little Blue	-	-	-	-	-	-	-	-	-	-	-	-	-
Heron, Green	9	8	-	3	6	5	1	1	1	8	5	2	3
Night Heron, Black-crowned	-	-	-	4	-	-	-	-	-	-	-	-	-
Yellow-crowned	-	-	-	-	-	-	-	-	-	-	-	-	-
Swan, Tundra	-	1	-	-	-	-	-	-	-	-	-	-	-
Mute	2	-	-	6	-	2	1	-	-	2	2	-	-
Goose, Snow	-	-	-	-	-	-	-	-	-	-	-	-	-
Canada	193	93	35	309	90	260	64	79	117	258	250	53	83
Duck, Wood	70	5	-	16	13	13	15	19	5	157	36	21	7
Teal, Green-winged	-	-	-	-	-	-	-	-	-	6	-	-	-
Duck, American Black	2	-	-	3	-	4	2	-	-	4	2	-	-
Mallard	141	53	-	294	62	123	34	17	12	80	188	40	23
Teal, Blue-winged	2	-	-	-	-	2	-	-	6	-	3	2	2
Shoveler, Northern	-	-	-	2	-	-	-	-	1	-	-	-	-
Gadwall	-	-	-	-	-	-	-	-	-	-	-	-	-
Wigeon, American	-	-	-	-	-	-	-	-	2	-	3	-	-
Canvasback	-	-	-	-	-	-	-	-	-	-	-	-	-
Duck, Ringed-neck	1	-	-	-	2	-	-	2	-	-	-	-	-
Scaup, Lesser	1	1	-	-	-	-	-	-	-	-	-	-	-
Scoter, Surf	-	-	-	-	-	-	-	-	-	-	-	-	-
Bufflehead	-	-	-	-	-	-	-	-	-	-	-	-	-
Merganser, Hooded	-	-	-	-	2	-	1	-	1	6	-	-	-
Common	10	12	-	-	15	-	10	5	2	43	-	8	-
Red-breasted	-	-	-	-	1	-	-	-	-	-	4	-	1
Duck, Ruddy	-	-	-	-	-	-	-	-	13	-	-	-	-
Vulture, Black	1	-	-	3	-	4	-	-	-	-	-	-	6
Turkey	52	52	16	20	30	67	31	8	15	113	29	23	10
Osprey	15	5	-	5	4	20	4	8	1	8	8	2	-
Eagle, Bald	-	1	-	-	-	-	1	-	-	6	-	-	-
Harrier, Northern	1	-	-	-	1	1	-	-	2	1	1	-	-
Hawk, Sharp-shinned	3	3	2	3	-	6	2	-	-	2	2	-	-
Cooper's	5	1	2	1	-	1	-	-	1	4	4	-	1
Goshawk, Northern	2	-	-	-	-	-	-	-	-	1	-	-	-
Hawk Red-shouldered	1	-	-	-	-	-	-	-	-	-	3	-	-
Broad-winged	14	-	-	2	-	9	-	-	-	6	2	1	-
Red-tailed	21	-	8	21	3	29	4	1	1	15	22	2	4
Kestrel, American	11	6	-	16	5	8	2	1	2	13	5	2	1
Merlin	-	-	-	-	-	-	-	-	-	-	-	-	-
Falcon, Peregrine	-	-	-	2	-	-	-	-	-	1	-	-	-
Pheasant, Ring-necked	-	-	2	18	-	3	-	-	-	2	3	2	-
Grouse, Ruffed	10	2	-	-	10	4	13	-	1	11	7	-	-
Turkey, Wild	10	1	6	-	-	16	8	1	-	35	54	2	-
Bobwhite, Northern	-	-	-	-	-	6	-	2	-	-	-	1	-
Rail, Virginia	1	-	-	-	-	-	-	1	-	-	-	1	-
Sora	5	-	-	-	3	-	-	-	-	1	-	-	-
Moorhen, Common	-	-	-	4	-	-	-	-	-	2	-	-	-

NORTH AMERICAN MIGRATION COUNT - MAY 10, 1997

	Luzerne	Lycoming	Northampton	Philadelphia	Potter	Schuylkill	Sullivan	Tioga	Venango	Wayne	Westmoreland	Wyoming	York
Coot, American	1	-	-	6	-	1	-	-	4	-	2	-	12
Plover, Black-bellied	-	-	-	-	-	-	-	-	-	-	-	-	2
Lesser Golden	-	-	-	-	-	-	-	-	-	-	-	-	-
Semipalmated	5	-	-	-	-	2	-	-	-	-	-	-	6
Killdeer	52	14	4	9	18	30	5	1	3	24	44	4	16
Yellowlegs, Greater	4	-	-	4	1	2	-	-	7	-	-	3	4
Lesser	7	-	-	1	-	20	-	-	5	1	1	1	12
Sandpiper, Solitary	30	2	-	5	5	12	-	9	21	5	16	7	10
Willet	-	-	-	-	-	-	-	-	-	-	-	-	-
Sandpiper, Spotted	28	5	-	11	5	9	7	4	21	25	18	14	19
Upland	-	-	-	-	-	-	-	-	-	-	1	-	-
Sandpiper, Semipalmated	-	-	-	23	-	1	-	-	-	-	1	-	-
Least	77	-	-	-	2	2	-	-	2	1	1	-	38
White-rumped	-	-	-	-	-	-	-	-	-	-	-	-	-
Pectoral	-	-	-	-	-	5	-	-	1	-	-	-	-
Dunlin	-	-	-	-	-	-	-	-	-	-	-	-	8
Dowitcher, Short-billed	-	-	-	-	-	-	-	-	-	-	-	-	-
Snipe, Common	5	-	-	3	2	-	-	1	-	-	-	-	-
Woodcock, American	4	-	-	1	3	2	7	-	6	2	11	1	-
Phalarope, Wilson's	-	-	-	-	-	-	-	-	-	-	-	-	-
Gull, Laughing	-	-	-	27	-	-	-	-	-	-	-	-	-
Bonaparte's	-	-	-	-	-	-	-	-	-	-	-	-	-
Ring-billed	-	29	-	274	-	-	-	8	82	20	3	1	45
Herring	1	-	-	45	-	-	-	-	-	-	-	-	-
Great Black-backed	-	-	-	10	-	-	-	-	-	-	-	-	-
Tern, Caspian	-	-	-	-	-	-	-	-	-	-	1	-	-
Common	-	-	-	-	-	-	-	-	-	-	-	-	-
Forster's	-	-	-	-	-	-	-	-	1	-	-	-	-
Black	-	-	-	-	-	-	-	-	1	-	-	-	-
Dove, Rock	197	81	7	649	23	191	37	11	50	35	66	51	10
Mourning	148	70	13	193	76	159	54	30	36	90	158	44	26
Cuckoo, Black-billed	-	-	3	-	-	2	-	-	-	-	1	-	-
Yellow-billed	1	-	-	3	-	-	-	-	-	2	3	-	-
Owl, Barn	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Screech	4	-	1	-	-	2	-	-	-	-	2	-	-
Great Horned	2	-	-	4	-	1	-	1	-	3	1	-	-
Barred	2	-	-	-	-	-	-	-	-	3	2	-	-
Short-eared	-	-	-	-	-	-	-	-	-	-	-	-	-
Nighthawk, Common	-	-	-	-	-	-	-	-	-	-	1	-	-
Whip-poor-will	1	-	-	-	-	3	-	-	-	-	-	-	-
Swift, Chimney	212	5	-	384	-	76	3	-	18	91	55	4	10
Hummingbird, Ruby-throated	13	5	2	4	3	13	20	1	-	16	28	1	-
Kingfisher, Belted	5	10	-	2	12	9	4	-	-	14	8	1	3
Woodpecker, Red-headed	-	-	-	1	-	1	-	-	-	-	-	-	-
Red-bellied	10	8	15	35	-	17	1	-	1	9	66	3	8
Sapsucker, Yellow-bellied	-	-	-	-	21	-	15	1	-	22	-	1	-
Woodpecker, Downy	41	11	11	36	17	28	24	7	2	30	63	14	4
Hairy	17	2	3	7	9	11	19	1	-	16	17	3	2
Flicker, Northern	31	16	14	63	30	39	20	13	2	34	47	6	6
Woodpecker, Pileated	9	1	-	1	4	7	6	-	3	9	19	6	-
Woodpecker, Olive-sided	-	-	-	-	-	-	-	-	-	-	-	-	-
Flycatcher, Eastern	-	-	-	1	-	1	-	-	1	4	4	-	1
Flycatcher, Yellow-bellied	-	-	-	-	-	-	-	-	-	2	-	-	-
Acadian	-	-	-	3	-	-	-	-	-	-	1	-	-
Alder	-	-	-	-	-	-	-	-	-	1	-	-	-
Willow	-	-	-	1	-	-	-	-	-	1	-	-	-
Least	20	7	-	1	7	1	-	-	-	41	16	3	1

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	Luzerne	Lycoming	Northampton	Philadelphia	Potter	Schuylkill	Sullivan	Tioga	Venango	Wayne	Westmoreland	Wyoming	York
Phoebe, Eastern	40	20	1	17	19	25	29	4	1	67	23	5	2
Flycatcher, Great Crested	8	5	7	32	-	10	-	-	-	6	10	-	5
Kingbird, Eastern	4	6	-	38	7	7	-	3	11	18	18	6	18
Lark, Horned	15	-	-	-	5	1	-	-	-	2	-	2	2
Martin, Purple	15	-	-	-	-	30	-	-	-	-	1	2	8
Swallow, Tree	1241	366	59	716	177	177	127	155	475	712	87	258	65
Northern Rough-winged.	132	7	30	103	7	57	1	19	3	258	89	42	107
Bank	46	50	-	6	2	2	-	1	10	158	1	10	1
Cliff	88	11	-	88	11	8	-	1	1	193	11	10	4
Barn	707	464	-	119	35	289	88	40	280	410	270	139	25
Jay, Blue	135	43	40	103	58	163	56	18	48	183	167	23	11
Crow, American	326	109	20	235	137	307	138	52	79	329	269	65	15
Fish	17	7	1	17	-	9	-	-	-	1	-	2	2
Raven, Common	8	7	-	-	20	4	3	1	-	2	2	3	2
Chickadee, Black-capped	159	45	11	-	103	75	132	25	2	193	114	35	5
Carolina	-	-	-	124	-	-	-	-	-	-	29	-	4
Titmouse, Tufted	69	8	31	134	10	71	24	9	3	63	122	27	7
Nuthatch, Red-breasted	3	3	-	-	1	2	4	1	-	4	2	2	-
White-breasted	28	4	4	13	12	22	16	8	-	38	50	5	3
Creeper, Brown	7	6	-	-	5	5	4	-	-	8	-	3	-
Wren, Carolina	3	4	-	13	-	10	-	-	-	-	39	1	4
House	55	11	13	91	6	17	11	13	2	51	42	9	12
Winter	4	-	-	-	5	1	1	-	-	16	4	2	-
Sedge	-	-	-	-	-	-	-	-	-	-	-	-	-
Marsh	-	-	-	1	-	-	-	-	-	1	-	-	-
Kinglet, Golden-crowned	3	2	-	-	-	3	-	-	-	4	1	-	-
Ruby-crowned	44	7	1	7	14	11	8	1	2	26	42	1	1
Gnatcatcher, Blue-Gray	36	7	-	69	2	48	4	7	3	43	80	16	7
Bluebird, Eastern	29	15	15	2	5	37	19	3	7	40	52	11	5
Veery	10	-	2	52	1	18	1	1	1	14	32	2	6
Thrush, Gray-cheeked	-	-	-	-	-	-	2	-	-	-	-	-	-
Swainson's	1	-	-	10	-	1	-	-	-	-	13	-	-
Hermit	10	10	-	-	17	10	8	-	2	18	7	-	-
Wood	58	11	35	69	3	71	3	2	2	26	117	11	18
Robin, American	853	276	47	704	355	437	308	139	83	420	516	182	32
Catbird, Gray	186	59	25	457	7	166	19	14	8	104	108	50	54
Mockingbird, Northern	9	5	7	51	-	15	2	1	-	-	9	-	3
Thrasher, Brown	10	2	1	6	2	3	2	2	1	9	13	1	1
Pipit, American	6	-	-	-	-	-	-	-	4	-	-	-	-
Waxwing, Cedar	39	7	-	11	-	11	1	91	-	20	1	-	-
Shrike, Loggerhead	-	-	-	-	-	-	-	-	-	-	-	-	-
Starling, European	940	155	16	714	146	261	60	159	106	199	437	37	30
Vireo, White-eyed	1	-	-	23	-	1	-	-	1	-	15	-	3
Solitary	21	6	2	5	12	20	16	1	2	24	10	4	-
Yellow-throated	9	1	1	3	-	2	-	-	-	24	4	3	-
Warbling	5	-	7	17	-	2	-	1	-	7	6	3	-
Philadelphia	-	1	-	-	-	-	-	-	-	-	-	-	-
Red-eyed	10	2	11	59	-	14	4	-	-	17	18	-	3
Warbler, Blue-winged	4	3	3	34	1	18	-	-	-	9	19	6	2
Golden-winged	-	-	-	-	-	1	-	-	-	-	4	-	-
Tennessee	-	-	-	1	1	-	-	-	-	4	2	-	-
Orange-crowned	-	-	-	-	-	-	-	-	-	-	-	-	-
Nashville	16	-	-	4	5	4	3	-	-	6	7	1	-
Parula, Northern	13	-	-	81	-	30	-	-	-	31	6	3	6
Warbler, Yellow	107	46	4	184	10	45	7	8	11	105	116	32	18
Chestnut-sided	16	4	6	30	-	14	4	-	8	37	20	13	6
Magnolia	2	5	-	53	2	4	4	-	5	13	17	-	2

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	Luzerne	Lycoming	Northampton	Philadelphia	Potter	Schuylkill	Sullivan	Tioga	Venango	Wayne	Westmoreland	Wyoming	York
Cape May	-	-	-	-	-	3	-	-	-	1	-	-	-
Black-throated Blue	19	9	-	76	3	22	3	1	1	30	14	2	10
Yellow-rumped	253	27	134	421	14	320	15	7	110	841	200	61	66
Black-throated Green	35	22	3	14	26	71	19	-	8	85	50	8	12
Blackburnian	10	13	-	14	15	7	7	-	4	18	47	1	-
Yellow-throated	-	4	-	-	-	-	-	-	4	-	10	-	-
Pine	7	5	-	-	-	3	6	-	1	6	2	2	-
Prairie	10	-	-	10	-	10	-	-	-	-	8	1	4
Palm	-	15	-	1	1	2	1	1	2	1	6	1	3
Bay-breasted	-	-	-	1	-	-	-	-	-	1	2	1	2
Blackpoll	-	-	-	4	-	-	-	-	-	2	-	-	-
Cerulean	-	1	-	-	-	1	-	-	-	3	18	-	-
Black-and-white	67	34	7	62	9	36	19	1	1	113	26	4	5
Redstart, American	52	16	8	114	3	17	2	4	9	99	101	48	18
Warbler, Prothonotary	-	-	-	1	-	-	-	-	-	1	-	-	-
Worm-eating	15	-	4	6	-	8	-	-	-	2	1	-	1
Ovenbird	238	35	35	58	20	207	35	9	7	117	61	73	13
Waterthrush, Northern	7	2	-	10	1	1	1	1	1	8	2	3	-
Louisiana	11	3	-	4	2	3	-	-	3	8	27	2	-
Warbler, Kentucky	-	-	-	1	-	-	-	-	-	-	10	-	1
Connecticut	-	-	-	-	-	-	-	-	-	1	-	-	-
Mourning	-	-	-	-	-	-	-	-	1	-	1	-	-
Yellowthroat, Common	124	33	9	154	16	99	20	8	3	94	140	46	28
Warbler, Hooded	6	-	-	2	-	-	-	-	-	-	27	-	2
Wilson's	-	-	-	1	-	-	-	-	-	1	5	-	-
Canada	-	-	-	6	-	-	-	-	-	8	1	-	-
Chat, Yellow-breasted	-	6	-	1	-	1	-	-	-	-	6	-	-
Tanager, Summer	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet	3	-	6	26	-	18	-	-	9	13	49	7	5
Cardinal, Northern	104	58	33	147	19	106	28	15	7	45	193	30	20
Grosbeak, Rose-breasted	61	34	24	20	43	66	43	6	21	59	122	19	5
Blue	-	-	-	4	-	1	-	-	-	-	-	-	-
Bunting, Indigo	13	4	6	14	-	18	12	3	-	5	35	3	4
Towhee, Eastern	98	29	15	46	52	99	26	14	5	45	216	9	13
Sparrow, American Tree	-	2	-	-	-	-	-	-	-	-	-	-	-
Chipping	239	82	24	38	141	155	167	78	24	223	139	98	7
Field	45	30	6	11	15	33	20	12	1	18	60	19	1
Vesper	4	-	-	-	2	3	-	-	-	4	1	1	3
Savannah	13	-	-	-	9	2	3	-	8	6	7	4	-
Grasshopper	11	-	-	-	-	-	-	-	-	1	6	-	-
Henslow's	-	-	-	-	-	-	-	-	2	-	-	2	-
Fox	-	-	-	-	-	-	-	-	-	-	-	-	-
Song	171	97	42	176	112	66	45	47	23	131	209	77	17
Lincoln's	-	-	-	-	-	-	-	-	-	-	3	-	-
Swamp	40	3	-	18	8	1	5	9	6	19	15	6	-
White-throated	38	37	-	192	28	15	36	4	6	36	51	2	10
White-crowned	11	15	-	2	18	6	4	10	4	16	23	5	-
Junco, Dark-eyed	5	20	-	1	84	9	131	18	32	18	10	2	-
Bobolink	115	3	-	37	20	6	4	27	43	117	30	30	2
Blackbird, Red-winged	603	128	13	306	1179	302	180	139	159	559	462	168	49
Meadowlark, Eastern	51	7	-	2	17	4	2	10	18	12	43	14	1
Blackbird, Rusty	-	-	-	-	-	-	16	-	-	-	1	-	-
Grackle, Common	553	218	28	329	195	372	75	95	128	166	346	61	34
Cowbird, Brown-headed	311	44	36	115	79	57	92	19	15	133	171	56	5
Oriole, Orchard	-	-	1	11	1	1	1	-	-	-	1	-	-
Baltimore	41	5	11	125	5	71	13	1	1	38	38	31	12
Purple Finch	6	9	-	-	22	16	48	3	4	21	10	-	1

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	Luzerne	Lycoming	Northampton	Philadelphia	Potter	Schuylkill	Sullivan	Tioga	Venango	Wayne	Westmoreland	Wyoming	York
House Finch	70	45	26	132	13	80	31	12	2	25	71	14	14
Redpoll, Common	-	-	-	-	-	-	-	-	-	-	-	-	-
Siskin, Pine	-	-	-	-	-	3	4	-	-	-	-	-	-
Goldfinch, American	231	106	57	185	186	145	179	58	36	168	363	117	28
Grosbeak, Evening	-	-	-	-	-	-	-	-	-	-	-	-	-
Sparrow, House	269	58	-	253	31	126	19	4	11	30	161	34	6
Buteo sp.	-	-	-	-	1	-	-	-	-	-	-	-	-
Eagle sp.	-	-	-	-	-	-	-	-	-	-	-	-	-
Peep sp.	-	-	-	-	-	-	-	-	-	-	-	-	-
Gull sp.	-	-	-	-	-	-	-	-	-	-	-	-	-
Sterna sp.	-	-	-	-	-	-	-	-	-	-	-	-	-
Empidonax sp.	1	-	-	-	1	-	5	1	-	-	4	-	1
Swallow sp.	-	-	2	-	-	-	-	-	-	-	-	-	-
Crow sp.	-	-	-	-	-	-	-	-	-	-	1	-	-
Chickadee sp.	-	-	-	-	-	-	-	-	-	-	-	-	-
Vireo sp.	-	-	-	1	-	-	1	-	-	-	-	-	-
Warbler, Brewster's	-	-	-	1	1	-	-	-	-	-	-	-	-
Warbler, Lawrence's	-	-	-	-	-	-	-	-	-	-	-	-	-
Blackbird sp.	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Individuals	11071	3588	1076	10218	4104	6377	2855	1666	2329	8602	7942	2428	1296
Total Species	143	110	67	137	103	145	102	86	104	144	153	113	107

	Totals	Number of Counts	Average	High	High Count
Loon, Red-Throated	1	1	1	1	Chester
Common	82	19	4	21	Wayne
Grebe, Pied-billed	22	12	2	4	Berks
Horned	3	2	2	2	Clarion
Comorant, Great	4	1	4	4	Philadelphia
Double-crested	629	22	29	212	Bucks
Blitern, American	7	6	1	2	Luzerne
Least	1	1	1	1	Indiana
Heron, Great Blue	379	34	11	51	Bucks
Egret, Great	93	8	12	71	Dauphin
Snowy	1	1	1	1	Lancaster
Heron, Little Blue	1	1	1	1	Dauphin
Heron, Green	130	30	4	10	Dauphin
Night Heron, Black-crowned	138	5	28	124	Lancaster
Yellow-crowned	6	2	3	4	Cumberland
Swan, Tundra	3	3	1	1	Bucks
Mute	65	16	4	30	Bucks
Goose, Snow	31	3	10	17	Lancaster
Canada	12045	36	335	5374	Lancaster
Duck, Wood	842	35	24	157	Wayne
Teal, Green-winged	11	4	3	6	Wayne
Duck, American Black	27	8	3	7	Lancaster
Mallard	3105	35	89	308	Bucks
Teal, Blue-winged	67	16	4	9	2
Shoveler, Northern	6	4	2	2	3
Gadwall	3	1	3	3	Dauphin
Wigeon, American	20	7	3	8	Chester
Canvasback	1	1	1	1	Berks
Duck, Ringed-neck	9	5	2	2	4
Scaup, Lesser	10	5	2	6	Indiana

	Totals	Number of Counts	Average	High	High Count
Scoter, Surf	7	2	4	5	Lehigh
Bufflehead	12	4	3	7	Butler
Merganser, Hooded	20	8	3	6	Wayne
Common	188	18	10	43	Wayne
Red-breasted	71	11	6	26	Butler
Duck, Ruddy	45	8	6	17	Berks
Vulture, Black	196	15	13	49	Lancaster
Turkey	1923	36	53	320	Lancaster
Osprey	160	29	6	20	Schuylkill
Eagle, Bald	28	12	2	6	Wayne
Harrier, Northern	19	13	1	4	Allegheny
Hawk, Sharp-shinned	69	27	3	6	Schuylkill
Cooper's	63	26	2	7	Franklin
Goshawk, Northern	3	2	2	2	Luzerne
Hawk Red-shouldered	14	12	1	3	Westmoreland
Broad-winged	84	22	4	14	Luzerne
Red-tailed	506	31	16	63	Bucks
Kestrel, American	212	33	6	17	5
Merlin	5	5	1	1	6
Falcon, Peregrine	9	6	2	2	7
Pheasant, Ring-necked	110	23	5	21	Indiana
Grouse, Ruffed	137	24	6	19	Elk
Turkey, Wild	306	28	11	54	Westmoreland
Bobwhite, Northern	15	6	3	6	Schuylkill
Rail, Virginia	12	7	2	4	Bucks
Sora	19	7	3	7	Chester
Moorhen, Common	7	3	2	4	Philadelphia
Coot, American	135	20	7	33	Indiana
Plover, Black-bellied	12	2	6	10	Chester
Lesser Golden	3	1	3	3	Lawrence

	Totals	Number of Counts	Average	High	High Count
Semipalmated	60	10	6	25	Chester
Killdeer	744	36	21	77	Indiana
Yellowlegs, Greater	97	17	6	21	Bucks
Lesser	173	22	8	23	Lehigh
Sandpiper, Solitary	382	32	12	31	Juniata
Willet	1	1	1	1	Clarion
Sandpiper, Spotted	510	33	15	52	Indiana
Upland	10	4	3	6	Lawrence
Sandpiper, Semipalmated	76	7	11	26	Chester
Least	341	20	17	77	Luzerne
White-rumped	10	1	10	10	Allegheny
Pectoral	28	6	5	8	York
Dunlin	2	2	1	1	8
Dowitcher, Short-billed	1	1	1	1	Berks
Snipe, Common	38	17	2	6	Venango
Woodcock, American	74	19	4	13	Indiana
Phalarope, Wilson's	3	3	1	1	9
Gull, Laughing	223	3	74	195	Bucks
Bonaparte's	47	6	8	27	Dauphin
Ring-billed	2082	21	99	379	Dauphin
Herring	198	7	28	91	Bucks
Great Black-backed	22	4	6	10	Philadelphia
Tern, Caspian	5	2	3	4	Lancaster
Common	27	4	7	11	Cumberland
Forster's	28	4	7	24	Dauphin
Black	5	4	1	2	Clarion
Dove, Rock	3876	36	108	649	Philadelphia
Mourning	3671	36	102	374	Bucks
Cuckoo, Black-billed	22	9	2	5	Bucks
Yellow-billed	25	12	2	4	Greene
Owl, Barn	9	4	2	5	Adams
Eastern Screech	40	16	3	9	Chester
Great Horned	45	20	2	4	10
Barred	31	16	2	4	Franklin
Short-eared	4	1	4	4	Allegheny
Nighthawk, Common	6	4	2	3	Chester
Whip-poor-will	21	9	2	5	Cumberland
Swift, Chimney	3218	31	104	406	Cumberland
Hummingbird, Ruby-throated	417	34	12	54	11
Kingfisher, Belted	190	32	6	16	Bucks
Woodpecker, Red-headed	67	14	5	31	Adams
Red-bellied	846	33	26	108	Bucks
Sapsucker, Yellow-bellied	88	12	7	22	Wayne
Woodpecker, Downy	1017	36	28	81	Indiana
Hairy	287	34	8	26	Indiana
Flicker, Northern	1022	36	28	88	Franklin
Woodpecker, Pileated	228	30	8	25	Franklin
Wood-pewee, Eastern	5	4	1	2	Lycoming
Flycatcher, Olive-sided	44	18	2	8	Franklin
Flycatcher, Yellow-bellied	3	2	2	2	Wayne
Acadian	39	12	3	9	Lancaster
Alder	2	2	1	1	12
Willow	5	3	2	3	Lancaster
Least	201	28	7	41	Wayne
Phoebe, Eastern	616	36	17	67	Wayne
Flycatcher, Great Crested	278	26	11	34	Bucks
Kingbird, Eastern	855	28	31	151	Lancaster

	Totals	Number of Counts	Average	High	High Count
Lark, Horned	75	16	5	15	Luzerne
Martin, Purple	612	20	31	180	Cumberland
Swallow, Tree	15595	36	433	2794	Berks
Northern Rough-winged.	4878	35	139	2543	Bucks
Bank	2082	29	72	500	Butler
Cliff	1578	28	56	304	Berks
Barn	11798	35	337	2310	Bucks
Jay, Blue	3773	36	105	375	Bucks
Crow, American	6079	36	169	603	Bucks
Fish	178	20	9	27	Lancaster
Raven, Common	88	22	4	20	Potter
Chickadee, Black-capped	2211	34	65	328	Indiana
Carolina	579	14	41	135	Bucks
Titmouse, Tufted	1994	36	55	225	Bucks
Nuthatch, Red-breasted	39	17	2	5	Elk
White-breasted	725	35	21	94	Indiana
Creepers, Brown	82	17	5	12	Clarion
Wren, Carolina	275	21	13	39	Westmoreland
House	1034	35	30	97	Bucks
Winter	54	18	3	16	Wayne
Sedge	2	2	1	1	13
Marsh	3	3	1	1	14
Kinglet, Golden-crowned	34	12	3	5	15
Ruby-crowned	412	35	12	44	Luzerne
Gnatcatcher, Blue-Gray	948	31	31	100	Chester
Bluebird, Eastern	1015	36	28	136	Franklin
Veery	409	32	13	57	Lancaster
Thrush, Gray-cheeked	3	2	2	2	Sullivan
Swainson's	56	14	4	13	Westmoreland
Hermit	154	22	7	21	Elk
Wood	1803	36	50	210	Bucks
Robin, American	13460	36	374	1258	Indiana
Catbird, Gray	4194	36	117	526	Bucks
Mockingbird, Northern	471	25	19	107	Franklin
Thrasher, Brown	267	34	8	51	Franklin
Pipit, American	224	9	25	118	Lancaster
Waxwing, Cedar	394	19	21	91	Tioga
Shrike, Loggerhead	2	1	2	2	Adams
Starling, European	11040	36	307	1176	Franklin
Vireo, White-eyed	192	19	10	40	Chester
Solitary	292	31	9	37	Indiana
Yellow-throated	143	26	6	24	Wayne
Warbling	156	24	7	36	Bucks
Philadelphia	4	4	1	1	16
Red-eyed	532	30	18	71	Franklin
Warbler, Blue-winged	405	30	14	49	Bucks
Golden-winged	13	7	2	4	Westmoreland
Tennessee	26	13	2	4	17
Orange-crowned	2	1	2	2	4
Nashville	154	29	5	21	Butler
Parula, Northern	397	22	18	81	Clarion
Warbler, Yellow	2004	36	56	207	Philadelphia
Chestnut-sided	460	34	14	67	Bucks
Magnolia	354	32	11	53	Lancaster
Cape May	25	12	2	5	Philadelphia
Black-throated Blue	705	31	23	110	Dauphin
Yellow-rumped	7765	35	222	1058	Lancaster

	Totals	Number of Counts	Average	High	High Count
Buteo sp.	1	1	1	1	1
Eagle sp.	2	1	2	2	2
Peep sp.	3	3	1	1	1
Gull sp.	4	2	2	2	2
Sterna sp.	300	1	300	300	300
Empidonax sp.	59	19	3	17	17
Crow sp.	62	6	10	29	29
Chickadee sp.	9	2	5	8	8
Vireo sp.	2	2	1	1	1
Warbler, Brewster's	8	4	2	5	5
Warbler, Lawrence's	1	1	1	1	1
Blackbird sp.	49	2	25	37	37
Total Individuals	218607	36	6072	19746	Bucks Dauphin
Total Species	234	36	122	165	

Codes for Multiple Counts in High Column

1. Chester, Clarion, Lycoming
2. Butler, Indiana
3. Blair, Philadelphia
4. Chester, Dauphin, Potter, Tioga
5. Adams, Lancaster
6. Bucks, Chester, Dauphin, Juniata, Lancaster
7. Allegheny, Dauphin, Philadelphia
8. Franklin, Indiana
9. Allegheny, Chester, Franklin
10. Bedford, Berks, Indiana, Philadelphia
11. Greene, Indiana
12. Lancaster, Wayne
13. Allegheny, Lancaster
14. Berks, Philadelphia, Wayne
15. Berks, Huntingdon
16. Allegheny, Bucks, Lehigh, Lycoming
17. Franklin, Wayne
18. Chester, Dauphin
19. Bucks, Franklin
20. Venango, Westmoreland
21. Lancaster, Westmoreland

	Totals	Number of Counts	Average	High	High Count
Black-throated Green	1125	35	32	113	Indiana
Blackburnian	375	32	12	47	Westmoreland
Yellow-throated	42	13	3	10	Westmoreland
Pine	58	18	3	7	Luzerne
Prairie	183	21	9	35	Lackawanna
Palm	124	27	5	15	Lycoming
Bay-breasted	25	12	2	4	18
Blackpoll	17	10	2	4	Philadelphia
Cerulean	131	20	7	29	Greene
Black-and-white	922	36	26	113	Wayne
Redstart, American	1229	35	35	121	Lancaster
Warbler, Prothonotary	6	3	2	4	Butler
Worm-eating	132	20	7	16	Dauphin
Ovenbird	2481	36	69	251	Berks
Waterthrush, Northern	108	24	5	11	19
Louisiana	200	25	8	27	Westmoreland
Warbler, Kentucky	77	16	5	15	Greene
Connecticut	1	1	1	1	Wayne
Mourning	2	2	1	1	20
Yellowthroat, Common	2221	36	62	206	Chester
Warbler, Hooded	173	22	8	35	Dauphin
Wilson's	23	10	2	5	21
Canada	46	15	3	8	Wayne
Chat, Yellow-breasted	58	13	4	13	Greene
Tanager, Summer	1	1	1	1	Greene
Scarlet	621	28	22	88	Lancaster
Cardinal, Northern	3357	36	93	381	Chester
Grosbeak, Rose-breasted	1652	36	46	151	Indiana
Blue	14	4	4	7	Bedford
Bunting, Indigo	657	31	21	96	Franklin
Towhee, Eastern	2562	36	71	369	Indiana
Sparrow, American Tree	34	5	7	23	Franklin
Chipping	3655	36	102	492	Indiana
Field	1074	35	31	157	Indiana
Vesper	60	18	3	16	Allegheny
Savannah	171	21	8	35	Allegheny
Grasshopper	101	18	6	36	Allegheny
Henslow's	33	5	7	21	Allegheny
Fox	4	2	2	3	Franklin
Song	3313	36	92	283	Indiana
Lincoln's	9	6	2	3	Westmoreland
Swamp	253	29	9	40	Luzerne
White-throated	1292	34	38	192	Philadelphia
White-crowned	488	30	16	85	Franklin
Junco, Dark-eyed	489	25	20	131	Sullivan
Bobolink	1298	33	39	156	Lackawanna
Blackbird, Red-winged	10988	36	305	1821	Indiana
Meadowlark, Eastern	469	35	13	68	Indiana
Blackbird, Rusty	42	7	6	16	Sullivan
Grackle, Common	11300	36	314	1368	Indiana
Cowbird, Brown-headed	3007	35	86	311	Luzerne
Oriole, Orchard	117	21	6	23	Chester
Baltimore	1526	36	42	198	Bucks
Purple Finch	373	28	13	48	Sullivan
House Finch	2327	36	65	266	Indiana
Redpoll, Common	4	2	2	3	Butler
Siskin, Pine	8	3	3	4	Sullivan
Goldfinch, American	5581	36	155	610	Indiana
Grosbeak, Evening	1	1	1	1	Elk
Sparrow, House	3221	33	98	464	Franklin

Spring Raptor Migration Summary 1997

By Frank Hohenleitner

Four watches reported for spring 1997. Observers logged a total of 4505 birds during 381+ hours of coverage. This is almost half of last years total. The compilers of Lehigh Furnace and Jacks Mt provided daily counts, whereas the remaining reported mostly monthly or seasonal totals. All established spring hawk watch sites were down from last year and that was true for most species. To some extent it reflected the low fall count.

The spring count will always be less than the fall count; most hawks do not survive through their first year. But for many eastern Pa. sites there is more to consider than population size. Keith Bildstein noted that many of the hawks that pass through eastern Pa. in the fall follow an elliptical path, which in the spring often results in many more Broad-wings taking a more western passage through the state (Bildstein 1997). These observations are understood by a theory of prevailing winds which are opposite in different regions of the migratory route. The critical latitude is 35 degrees, which is about the southern border of Tennessee. Prevailing winds are westward south of this latitude. He notes also that this theme "seems to hold for other North American hawks as well."

Chronology of the Season

The late winter days during which the spring counts began were mild and more tolerable than previous winters. Most of the spring season passed with a string of windy, cloudy days followed by periods of moderate sunshine. There were frequent intervals of showers or some snow/rain. There was little extreme weather. In short, fairly normal but cooler and windier than usual. This pattern persisted well into late May.

In **February** the beginning of hawk migration began with a rousing start: 6 Bald Eagles at Lehigh Furnace on 2/18. Jim Thorpe suggested that the Eagle movement at Lehigh Furnace in February "may be a mirror image of the southbound flight in late December

and early January -- i.e., the birds may be using Blue Mt to travel between the Delaware River and the Susquehanna (Conowingo) in response to pronounced changes in temperature." [The area just below Conowingo Dam in Maryland on the Susquehanna River is an area of high concentration for these wintering raptors].

In **March** Lehigh Furnace was covered almost exclusively on days of southerly winds. The long sunny day of 3/27 produced more than the half of the total monthly count for Lehigh Furnace with seasonal peak days for Red-tails, American Kestrel, and Sharp-shinned Hawks. Mild weather was noted for Pa. during the peak days at Tussey Mt (3/20-21) for a combined count of 27 Golden Eagles, 3 Bald Eagles and 2 unidentified Eagles. The next 2 days brought southeasterly winds at Jack's Mt and all of the birds reported there for March.

In **April** the "upper-level disturbances" of 4/20 may have helped to produce a modest afternoon flow of 30 Broad-wings, 6 Red-tails, 5 Ospreys, 11 accipiters, and an adult Bald Eagle in Delaware County (personal observations). Almost all of the Broad-wing Hawks that were counted at Jack's Mt passed on 4/25-26. A sunny 4/27 was a seasonal peak day for Broad-wings, Ospreys, and Merlins at Lehigh Furnace.

About 95% of the reported count for **May/June** was from Lehigh Furnace. Thorpe noted that "the Bald Eagle migration at this time is fascinating because there seems to be an overlap between late-season movement of the northern breeding population [adults] and post-breeding travels of the southern population [immatures], judging by the ages of the birds." In the literature, Palmer noted that young eagles begin to leave Florida in late March. Their "northern movement is rapid, and they spread out from near the Atlantic coast to inland well west of the main axis of the Appalachians, with a tendency to occur about inland waters" (Palmer). Their exit from Florida continues into May.

The bulk of this movement seems to be first year eagles.

The Hawk Not Counted

Why were no Rough-legged Hawks counted during the spring flight? Rough-legs are irruptive birds in the fall: in some seasons they appear in good numbers and in others there are few to be found. The fall hawk watch records in *Pa. Birds* indicate that 63 and 31 Rough-legs were counted respectively in '95 and '96. For the spring of '96 there were total of 13 Rough-legs reported in this journal from 4 different hawk watch sites. If we assume a proportionate spring flight for '97, could we not then count on at least 20% of the fall flight (6 hawks) to be counted in the spring of '97? Given the randomness of nature, maybe not. However, in the last issue of *Pa. Birds* birders in 21 counties noted the presence of 27 Rough-legs during the 1 Jan-31 Mar period. The nagging question persists.

The spring hawk watch coverage is rather incomplete at all sites, but that was true last year also. Could something else be going on here? Weather data for the center of the state for the days of spring Rough-leg sightings in '96 indicate that the winds were W, NW, and N when 6 Rough-legs were seen at Tussey (HMANA 1997). Similar winds were noted at Second Mt and Jack's Mt on 4 out of the 5 days reporting Rough-legs. It is not intuitive that these conditions should be favorable wind directions for spring migration, but this hawk has been noted to be "much less dependent on thermals" during migration. "The Roughleg usually flies steadily onward - even sometimes in rain" "and when the sky is overcast" (Mindell).

Along these same lines of thought, there is an intriguing observation in a report from Braddock Bay, N.Y., located on Lake Ontario just north of the center of Pa. In the spring of '96, observers counted 1815 Rough-legs. Many migrated there on SW winds but this site consistently produced high numbers on days of

strong NW winds (Ewald). The shifting of migration route westward due to opposite prevailing winds below latitude 35 should not be a consideration in this case, because almost all of the winter Rough-legs east of the Mississippi River are to be found north of 37 degrees latitude (Palmer). In summary, this hawk does not always appear to follow the rules we currently apply to most of the spring hawk migration. Could the cold, brisk winds from the NW be good for the spring Rough-leg count in Pa.? If so, working against this is a bias at some of the Pa. spring hawk watch sites favoring southerly winds. Finally, to follow through on this, can we really expect spring compilers to stand around in "unfavorable" flight conditions looking for the hawk that probably will not make an appearance? Probably these and other questions about spring raptor migration will not be resolved until more comprehensive spring counts can be obtained. In the meantime, migration data from surrounding states to be published next spring in HMANA will provide a broader seasonal perspective.

Abbreviated seasonal highlights and comments follow. Compilers are quoted.

Jacks Mountain

Total days and hours are down respectively by 16 and 103. Hawks were down by over a thousand. All species down. Two factors contributed substantially to this count: 1. The right place, but the wrong time, and 2. The all-to-common problem of multiple-use of a public land. The spring count usually is on weekends. Unfortunately, wind conditions were not good there on these days this season (W and NW). This site may not be continued in the future. "We are having a lot of problems with sightseers and tourists trashing the place with litter and graffiti." The presence of hang-gliders on days with southerly winds attracts a large crowd, which "makes it harder for my compilers to do the count." Singer believes there is potential in several other sites in his area. Stay tuned!

Lehigh Furnace

Our most eastern Pa. spring

count. "The lookout is covered on days of southerly winds." The count was up by 12 days and 52 hours over '96, but fewer hawks by about 33%. Most of these losses are in the Broad-wing, Sharp-shin, Cooper's, and Osprey totals. Major increases were Bald Eagle (350 %) and N. Harrier (500 %). Almost 200 birds were added by counting in May/June.

Rose Tree Park

This new site is the park of the village of Rose Tree. Directions: When you exit US 1 at Rte 252 north (Providence Rd.), you are almost there. The park begins just beyond the light at Rose Tree Rd (entrance is on the right). This count was a trial run and yielded all but the rarest hawks. A fall '97 count will be held.

Tussey Mt

Dave Brandes noted that "55 Golden Eagles ties the full-time count at Derby Hill, N.Y. for the all-time spring record for eastern hawkwatches, clearly establishing Tussey as a spring Golden Eagle hot spot." Black Vultures and both eagles were the only increases over last year.

The Total seasonal count for individual species at this site is: BV 13, TV 178, OS 75, BE 9, NH 15, SS 105, CH 23, NG 1, RS 27, BW 351, RT 193, GE 55, AK 33, ML 2, PG 1, UN 32. Total = 1113

Number of months, days or hours were not reported.

Literature cited

- Bildstein, K. in *Hawk Mountain News* Spring 1997. Pp. 22-23.
Ewald, Brett M. 1997 HMANA Hawk Migration Studies 22: 38-41.
Mindell, David P. and Palmer in the *Handbook of North American Birds* V.5 edited by R.S. Palmer 1988: 162-167.
Northern Appalachian Region Daily Totals Spring 1996, 1997 HMANA Hawk Migration Studies 22:D-E.
Palmer, Ralph S. in the *Handbook of North American Birds* V.4 edited by R.S. Palmer 1988:202-205.

season for a variety of reasons. The perseverance of the compilers and the many other dedicated participants during a difficult season deserves our admiration and appreciation. ✎

910 Larchmont Ave
Havertown 19083-4102

It was clearly a disappointing

Spring Hawk Counts 1997

JACKS MOUNTAIN (*MIFFLIN*) Ronald Singer, Compiler

	Feb	Mar	Apr	May	Totals
<i>Coverage - days</i>	-	3	11	-	14
<i>Coverage - hours</i>	-	9	53	-	62
Black Vulture	-	-	3	-	3
Turkey Vulture	-	-	7	-	7
Osprey	-	-	18	-	18
N. Harrier	-	-	2	-	2
Sharp-shinned Hawk	-	4	14	-	18
Cooper's Hawk	-	1	6	-	7
N. Goshawk	-	-	1	-	1
Red-shouldered Hawk	-	-	4	-	4
Broad-winged Hawk	-	-	129	-	129
Red-tailed Hawk	-	3	29	-	32
Golden Eagle	-	-	3	-	3
Am. Kestrel	-	2	6	-	8
Merlin	-	-	1	-	1
Unidentified	-	-	8	-	8
Totals	-	10	231	-	241

ROSE TREE PARK (*DELAWARE*) Nick Pulcinella, Compiler

	Feb	Mar	Apr	May	Totals
<i>Coverage - hours</i>	-	60	25	-	85
Black Vulture	-	2	1	-	3
Turkey Vulture	-	26	16	-	42
Osprey	-	3	14	1	18
Bald Eagle	-	1	2	-	3
N. Harrier	-	6	13	-	19
Sharp-shinned Hawk	-	36	109	-	145
Cooper's Hawk	-	13	14	-	27
N. Goshawk	-	-	2	-	2
Red-shouldered Hawk	-	12	4	-	16
Broad-winged Hawk	-	-	283	10	293
Red-tailed Hawk	-	49	27	-	76
Am. Kestrel	-	19	49	-	68
Merlin	-	-	2	-	2
Unidentified	-	10	7	-	17
Totals	-	167	177	11	355

LEHIGH FURNACE (*LEHIGH*) Steve Thorpe, Compiler

	Feb	Mar	Apr	May/June	Totals
<i>Coverage - days</i>	5	7	7	8	27
<i>Coverage - hours</i>	23	33	44	36	136
Turkey Vulture	5	-	-	-	5
Osprey	-	10	137	63	210
Bald Eagle	11	8	4	12	35
N. Harrier	1	16	21	4	42
Sharp-shinned Hawk	3	74	100	16	193
Cooper's Hawk	2	34	27	3	66
N. Goshawk	-	1	-	-	1
Red-shouldered Hawk	6	16	1	-	23
Broad-winged Hawk	-	-	464	116	580
Red-tailed Hawk	44	199	54	1	298
Golden Eagle	1	-	1	-	2
Am. Kestrel	-	111	79	1	191
Merlin	-	-	4	1	5
Peregrine Falcon	-	-	1	-	1
Unidentified	2	15	12	2	31
Totals	75	484	905	219	1,683

Season: 2/18 - 6/6

PHOTOGRAPHIC HIGHLIGHTS



Harlequin Ducks, Susquehanna River, *Dauphin*, 4/5/1997. Photo by Don Henise.



Gull-billed Tern, Bald Eagle State Park, *Centre*, 5/25/1997. Photo by Bob Snyder.



Clay-colored Sparrow, Presque Isle State Park, *Erie*, 5/8/1997. Photo by Jerry McWilliams.



Sandhill Crane, Curtin Marsh, *Centre*, 5/4/1997. Photo by Bob Snyder.



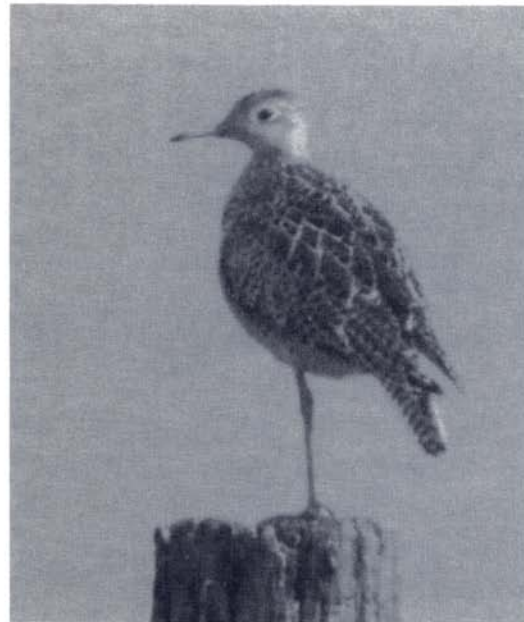
Blue-gray Gnatcatcher, Lock Haven, *Clinton*,
5/11/1997. Photo by Wayne Laubscher.



Sedge Wren, Sanderson area, *Westmoreland*,
5/14/1997. Photo by Tim Vechter.



Prothonotary Warbler, *Lawrence*, 5/9/1997.
Photo by Barb Dean.



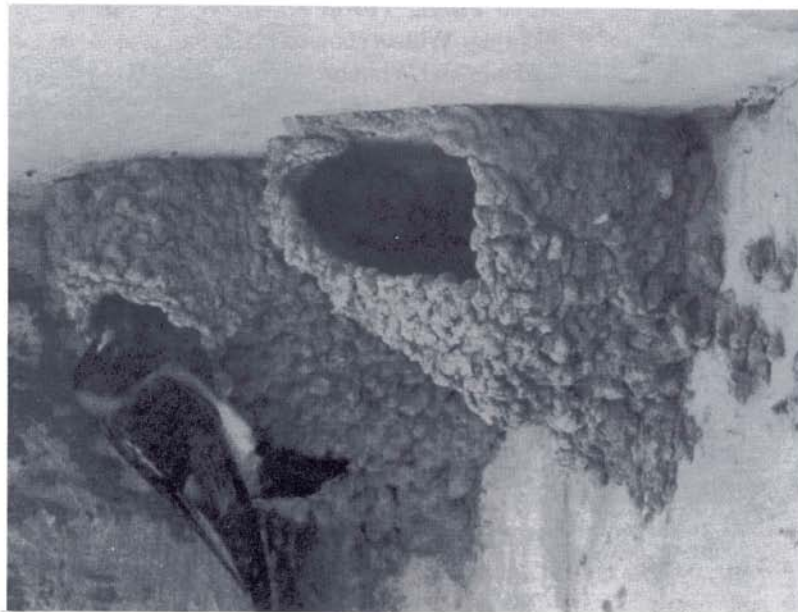
Upland Sandpiper, Britton Road, *Cumberland*, 5/13/1997.
Photo by Don Henise.



Clay-colored Sparrow, Jacobsburg, *Northampton*, 5/23/1997.
Photo by Rick Wiltraut.



Ravens nested near the top of this working drag line at
St. Paul, *Somerset*. Photo by Tony Marich Jr.



1st county nesting of Cliff Swallow in *Delaware*, Springton Reservoir, 7/20/1997.
Photo by Nick Pulcinella.

Summary of the Season - April through June 1997

This spring was marked by a lot of rain and cool weather. Many species arrived late and left late.

American White Pelicans are becoming annual visitors to this state. There have been records every year since 1992. However, they have not been showing up at the same locations. The eight records in that time period have been from 7 different counties, 2 in the east, 3 in the west, and 2 in the central part of the state. So, look for them anywhere there is a body of water. The records have ranged from May to October, with one record in January/February.

Keep in mind however that birds that have escaped from zoos also been recorded in the state. The most recent being an Eastern White Pelican on the Susquehanna a few years ago. Observers should review Ed Kwater's article in this issue concerning identification of these big white birds.

This quarter's pelican came from *Lancaster* in May.

Another species starting to show up with some regularity, although only in the southeast, is **Anhinga**. They have been reported every spring since 1993. The dates have ranged from 6 April to 1 June. Unfortunately, all sightings so far have been brief and the birds have not stayed around. We keep hoping that one of these days one will settle in for a day or two at some convenient location so that other Pennsylvania birders can enjoy it. One was seen briefly in *Montgomery* on 6 May.

A **White Ibis** in *Forest* and a **Glossy Ibis** in *Cumberland* were good records. Remember to look out for White-faced, they're due!

Trumpeter Swans keep getting reported. It is probably accurate to ascribe these birds to the reintroduction programs that

have been ongoing in the upper Midwest and Canada the past decade or so. We should be able to consider them as wild birds in the very near future. However, be very careful in your identification of this species. It is not as simple as some would make it seem. We expect to publish a new identification article on them in the near future.

The pair of **Harlequin Ducks** on the Susquehanna River in *Dauphin* was unprecedented. There are only a few records away from Presque Isle and all of them have been singles.

In addition to the nesting pair(s) in the *Butler/Mercer/Lawrence* area, **Sandhill Cranes** have also been showing up in numerous locations around the state. This quarter brought reports from *Centre*, *Erie*, and *Westmoreland*.

Three **Piping Plover** in *Erie* were exciting. **Willetts** showed up in four counties and Whimbrel in two. An amazing ten **Red-necked Phalaropes** in *Dauphin* may be a state record.

A pair of **Gull-billed Tern** sat still long enough in *Centre* to become the first photographed record for the state. All previous records were sight records only.

Sedge Wrens made a good showing with five counties reporting them. Probable **Bicknell's Thrush** were reported from *Lebanon*, *Luzerne*, and *Montgomery*.

A **Kirtland's Warbler** in *Erie* is the second state record in as many years. And a **Swainson's Warbler** in *Lawrence* was almost as good a find.

Aside from its breeding area in *Greene*, **Summer Tanagers** showed up in *Berks*, *Clarion*, and *York*. **Loggerhead Shrikes** and **Dickcissels** continue to breed in the south central part of the state.

There were six reports of

Clay-colored Sparrow — another annual species in recent years.

A **Western Meadowlark** in *Juniata* was the easternmost record in many years. There were several records for this species in eastern Pennsylvania back in the 1950s, but none since then. Most recent records have been from the western half of the state.

There were more reports of **Evening Grosbeaks** this spring (4) than in the winter (2).

There were 281 species reported this quarter, down slightly from the 284 reported in the same quarter last year. We received partial or complete reports from 60 counties.

Thanks again to our hard-working county compilers! ♣

Frank & Barb Haas

Birds of Note - April through June 1997

(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.

Eared Grebe - *Perry*: 1 on 4/3 at Little Buffalo S.P. was a first county record (Dick Colyer).

American White Pelican - *Lancaster*: 1 on 5/17-18 at Washington Boro (Randy Miller, et al.).

Great Cormorant - *Montgomery*: 1 on 5/3-24 at Green Lane Res. (Kevin Crilley); *Philadelphia*: Up to 4 present up to 5/10 on the Delaware River (m.obs.)

Anhinga - *Montgomery*: 1 on 5/6 Upper Gwynedd Twp. (August Mirabella).

Little Blue Heron - *Dauphin*: 1 on 5/10 at Wildwood L. (Cliff Jones); *Lancaster*: 1 on 5/12 at Washington Boro (Jerry Book).

Cattle Egret - *Berks*: 1 on 6/16 at Hamburg (Kerry Grim); *Carbon*: 1 on 4/19 at Beltsville S.P. (Robert Frantz, Dave Hawk); *Lancaster*: 1 on 5/20 at Columbia (Jonathan Heller), *Philadelphia*: 1 on 6/15 at Tinicum (Ted Floyd, Kei Sochi)

Yellow-crowned Night-Heron - *Cumberland*: Present all quarter (Don & Robyn Henise); *Dauphin*: Present from 5/7 on at Halifax (Scott Bills); *Lancaster*: Present from 4/27 on at Brownstown (Eric Witmer); *Schuylkill*: 1 on 4/22 at Hawk Mountain (Laurie Goodrich).

White Ibis - *Forest*: 1 on 5/26 at Cook Forest S.P. (Bill Redinger).

Glossy Ibis - *Cumberland*: 1 on 5/6 at Big Spring Fish & Game (Don Henise).

Trumpeter Swan - *Dauphin*: 1 on 6/4-7/15 at Wildwood L. (Sandy Lockerman, Mark McConaughy); *Lancaster*: 2 on 5/17-6/8 at Washington Boro (Eric Witmer, Tom Garner, no details).

Ross' X Snow Goose (probable) - *Berks*: 1 on 4/5 at Oley (Don & Robyn Henise).

Brant - *Luzerne & Wyoming*: 9 on 5/13 at Harvey's L. flew into Monroe Twp. in *Wyoming* (Rick Koval, Jim Shoemaker).

Eurasian Wigeon - *York*: 1 on 4/8 at Gifford Pinchot S.P. (Ramsay Koury).

Harlequin Duck - *Dauphin*: 2 on 4/5 on the Susquehanna River were a rare non-Erie record for the state (Don Henise).

Black Scoter - *Lancaster*: 3 on 4/13 at Long Level (tom Garner).

King Rail - *Crawford*: 3 on 6/27 at Conneaut Marsh

(John Fedak).

Sandhill Crane - *Centre*: 1 on 5/4-29 at Curtin Marsh (Dorothy & Blanche Bordner); *Erie*: 2 on 5/11 at Presque Isle S.P. (Jonathan Heller, Randy Miller, No details.); *Lawrence*: Present all quarter; *Westmoreland*: 1 on 4/30 at Little Sewickley Creek (Don Koch).

American Golden Plover - *Bedford*: 1 on 5/18 at Dunning Creek (Bill Sweeney, Estelle Ruppert, Dave Young); *Clarion*: 2 on 4/5 at Mt. Zion (John Fedak); *Lancaster*: 1 on 4/20 at Washington Boro (Jerry Book); *Lawrence*: 1 on 5/6 and 3 on 5/10 in the Amish Area (Barb & George Dean, Linda Wagner, Suzanne Butcher).

Piping Plover - *Erie*: 3 on 5/8 at Presque Isle S.P. (Jerry McWilliams).

Willet - *Erie*: 4 on 5/4 at Presque Isle S.P. (Ed Kwater).; *Franklin*: 1 on 5/15 at Mt. Parnell Fish Hatchery (Carl Garner); *Lancaster*: 1 on 6/16 at Washington Boro (Jerry Book, no details) and 1 on 6/30 (same loc.) (Randy Miller); *Westmoreland*: 2 on 5/8 at Trees Mills (Kenneth Byerly, no details).

Whimbrel - *Erie*: 6 on 6/1 at Presque Isle S.P. (Jerry McWilliams); *Lancaster*: 2 on 5/19 at Washington Boro (Jonathan Heller, no details).

Red Knot - *Erie*: 24 on 6/1 at Presque Isle S.P. (Jerry McWilliams).

Sanderling - *Cambria*: 1 on 5/7 at Wilmore Dam (John Salvetti); *Erie*: Present from 5/17 to 6/12 with a high of 28 on 6/1 at Presque Isle S.P. (Jerry McWilliams); *Lancaster*: 5 on 5/25 at Washington Boro (Jonathan Heller).

Western Sandpiper - *Crawford*: 1 on 5/15 at Miller Pond (Ron Leberman); *Lancaster*: 1 on 4/27-5/4 at Washington Boro (Eric Witmer, Jerry Book).

Stilt Sandpiper - *Centre*: 1 on 5/6 at Gatesburg Pond (Paul Rodewald) and 1 on 5/16 at Penn State Retention Pond (PR); *Lancaster*: 1 on 5/14 at Washington Boro (Jonathan Heller).

Red-necked Phalarope - *Dauphin*: an amazing 10 on 5/15 and 4 on 5/16 on the Susquehanna River (Ramsay Koury, Dan Bogar, Mark McConaughy).

Franklin's Gull - *Dauphin*: 1 on 5/15-17 on the Susquehanna River (Ramsay Koury, Scott Bills); *Lancaster*: 1 on 5/12 at Washington Boro (Jerry Book, no details).

Little Gull - *Lancaster*: 1 on 4/6 at Washington Boro (Eric Witmer, Harold Morrin, no details) and 1 on 5/20 at Columbia (Jonathan Heller, no details).

Lesser Black-backed Gull - *Bucks*: Present up

until 5/17 at Tullytown;

Gull-billed Tern - *Centre*: 2 on 5/25 at Bald Eagle S.P. were the first photographed record for the state (Alice Fuller, Bob Snyder).

Chuck-will's-widow - *Schuylkill*: 1 heard on 5/13 at Wayne Twp. (Aaron Clauser).

Violet-green Swallow - *Dauphin*: 1 on 5/10 on the Susquehanna River, if accepted by PORC would be only the second state record (Dan Bogar).

Sedge Wren - *Allegheny*: 1 on 5/10 at Imperial (ted Floyd); *Dauphin*: 1 on 5/16-18 at Haeshey North (Nancy Cladel); *Erie*: 1 on 5/17 at Presque Isle S.P. (Jerry McWilliams); *Lancaster*: 1 on 5/10 at Middle Creek WMA (Randy Miller); *Westmoreland*: 2 on 5/14 near Latrobe remained about a month (Tim Vechter).

Bicknell's Thrush - *Lebanon*: 1 on 5/2 at SGL 145 (Randy Miller); *Luzerne*: 1 on 5/26 at Kirby Park (Rick Koval, Jim Shoemaker, Jim Hoyson); *Montgomery*: 1 on 5/16 at Fort Washington S.P. (Bill & Naomi Murphy).

Loggerhead Shrike - *Adams*: Present all quarter with a high count of 9.

Kirtland's Warbler - *Erie*: 1 on 5/14 at Presque Isle S.P. (Nathan Hall, Bob McChesney).

Swainson's Warbler - *Lawrence*: 1 on 5/21 at Volant was a first county record (Barb & George Dean).

Summer Tanager - *Berks*: 1 on 5/23 at Plowville (ken Lebo); *Clarion*: 1 on 6/28 at Beaver Creek (Mike Leahy); *Greene*: Present from 5/27 on in a number of locations (Ralph Bell); *York*: 1 on 6/17 near Ski Round Top (Jeff Pheasant).

Dickcissel - *Cumberland*: 2-5 birds on 6/21-29 at the same location as last year (Deuane Hoffman, et al.); *Juniata*: 1 on one day only at the same site that 2 pair nested last year; *Lancaster*: the bird from the previous quarter in Ephrata was last seen in early April (Jay & Linda Lockard).

Clay-colored Sparrow - *Allegheny*: 2 on 5/17 at Imperial (Bruce & Barb Kiestler); *Centre*: 1 on 5/11 at Bald Eagle S.P. (Randy Miller); *Columbia*: 1 on 4/13-29 (Doug Gross); *Erie*: 1 to 2 from 5/6-23 at Presque Isle S.P. (Jerry McWilliams), and 1 on 5/8-10 at Erie (Dick Bollinger, no details); *Northampton*: 1 on 5/23 at Jacobsburg was a first county record (Rick Wiltraut); *Union*: 1 on 5/20 at Mifflinburg Middle School (Joe Southerton, Allen Schweinsberg).

Lapland Longspur - *Clarion*: Recorded on 3/31 at Kahle L. (Carl Rowe); *Cumberland*: 2 on 4/1 at Mud Level Road (Don Henise).

Western Meadowlark - *Juniata*: 1 on 6/21 through the quarter near the village of Center was a first county record (Toby Petersheim).

Yellow-headed Blackbird - *Crawford*: 1 on 6/29 at

Smith's Marsh is the first late June record for the state (Robert & Ronald Leberman).

Common Redpoll - *Butler*: 3 on 5/10 (no location)(Kate Brydon).

European Goldfinch - *Tioga*: 1 on 5/14 at the home of Ken & Jan Davis.

Evening Grosbeak - *Bedford*: 11 on 5/10 at Beldon (Rosie McGinnett); *Mifflin*: 1 on 5/30 at Big Ridge (Cristie Gisewhite); *Schuylkill*: 1 on 5/6 at New Ringgold (Laurie Goodrich, Doug Wood); *Sullivan*: 10 on 4/8 at Eagles Mere (Fred Crafts).

✱

Local Notes

Adams County

A pair of **Tundra Swan** was seen 4/28 at a pond on the Kuhn Orchard property on old Rt. 30 in Cashtown. I have seen the swans at the pond as of 7/28. They leave the pond occasionally but return. There is no sign of nesting, but they are with the **Canada Geese** that have nested at the pond. I do not know if this might be a record, but 6/9 I discovered **Winter Wrens** on the P.H. Glatfelter tree farm #1, and as I have indicated, 6/21, four wrens were found and 6/30 I did see 3 wrens. Also, we found **Rose-breasted Grosbeak nesting** in the South Mountains.

Allegheny County

Rare breeding birds and rare migrants at Imperial (IMP) tops the news from the county this quarter.

Hooded Merganser was confirmed breeding for the 2nd year at IMP, where a ♀ was observed with 5 young on 6/7 (CT et al.).

The **Peregrine Falcons** in Pittsburgh (PGH) fledged a single chick this year despite producing three eggs (v.o.). Suspected breeding **N. Harrier** was finally confirmed at IMP in June (CT). Four **Short-eared Owl** were observed at IMP performing display flights on 5/10 (TF) and a nest with 3 young was located 5/30 (CT) for a 1st confirmed county breeding record and perhaps for southwestern Pa! An imm. **Bald Eagle** 5/16 (JH, IF, DH, MR), and a 2nd county record **Black Vulture** 6/30 (TF) were fly overs at IMP.

Great Blue Heron rookeries were located in West Deer Twp with 6 nests (RS), and Bell Acres where 8 nests were located (PB). Rare was an **Am. Bittern** on 4/21 at Wexford (RS).

Herring Gull continue to nest near the Highland Park Bridge on the Allegheny R. where a total of 4 nests was found (PB, ME) with 3 chicks (PB). Uncommon in the county, a group of 6 **Forster's Tern**, 1 **C. Tern**, and a flock of 35 **Dunlin** appeared at IMP during a storm on 5/25 (T&JC). Shorebird highlights from IMP: **Black-bellied** and **Semipalmated plovers**, 8 **White-rumped Sandpiper**, and a **Wilson's Phalarope**. A **C. Snipe** was seen on the unusual date of 6/30 (TF). A very early returning migrant **Gr. Yellowlegs** was observed 6/30 at IMP.

During mid-May there was a movement of **Red-headed Woodpecker** with single birds seen 5/15 at Robinson Twp (MF), 5/26 at Frick Park (JS,MF,SS,JV), and 5/15-21 at Allegheny Cemetery in PGH (PB). This species is rarely observed in the county. **Red-breasted Nuthatch** were in Ross Twp where they bred last year (EA). An individual was also found at IMP on 6/28 (TF).

A **Sedge Wren** was heard singing and was flushed at IMP 5/10 (TF). The warbler flight was scattered due to NW winds in May. A "**Lawrence's**" **Warbler** was at IMP 5/8 (BM), and a "**Brewster's**" was found at North Park in May (SK).

Blue Grosbeak were found at IMP again this year where two singing ♂♂ were observed (v.o.). **White-throated Sparrows** lingered until 5/17 (v.o.). One **Clay-colored Sparrow** was found at IMP 5/16 (JH,DH,JF,MR) and two 5/19 (RM,PM,BK,BRK).

Armstrong County

Low water level at the Robbs Fording section of Crooked Creek Park yielded the bulk of the shorebird reports; water level at Keystone Res. remained high.

The warbler migration began slowly and was uneventful. Many species' numbers peaked at SGL #137 on 5/23 (*vide* John Fedak).

Beaver County

On 5/6, Bruce Kiester saw a **Peregrine Falcon** along a county road in Daugherty Twp. The bird was seen on one other occasion in the same area.

In May several people reported **Baltimore Oriole** feeding at hummingbird feeders. In each case these people had not observed this behavior in previous years.

Bedford County

Two **Great Horned Owl** seen by Dan Snell and Mike Newell at Shawnee SP on 4/19,25 at nest. Nest was vacant 5/7. Same nest observed by Pete Wityk who reported seeing young out of the nest 5/19.

An **Am. Golden-Plover** (†Bill Sweeney, Estelle Ruppert, Dave Young) was with 1 **Ruddy Turnstone**, 10 **Short-billed Dowitcher**, 7 **White-rumped Sandpiper**, 10 **Semipalmated Plover**, and 1 **Least Bittern** at Dunning's Creek 5/18.

Berks County

Heard on evening canoe trips of Glen-Morgan L. on Rt. 10 from 4/29- 6/28 were 1 **Am. Bittern** (5/18 only); 1-3 **Least Bittern**; 1-4 **Sora** (till 5/23); and 1-4 **Virginia Rail** (till 6/24). The large populations of **Pied-billed Grebe** and **Am. Coot** had successful breeding seasons, to be detailed next quarter (Ken Lebo, Harold Lebo).

Volunteers censusing **Great Blue Heron** colonies for the PGC found 112 active nests in 5 colonies. The largest, near Bethel, had 70 active nests 4/19 (Rudy Keller, Bill Munroe, Harold & Joan Silagy). Nesting is a recent phenomenon, not confirmed during the atlasng years.

Waterfowl fallout still at L. Ontelaunee 4/1 after the 3/31 storm included 36 **Horned Grebe**, 15 **Canvasback**, 190 **Ls. Scaup**, 14 **C. Goldeneye**, 490 **Bufflehead**, and 19 **Red-breasted Merganser** among others (Katrina Knight). At least 4 summering **Snow Geese** were still here 6/30. Other lingering waterfowl included a **Gadwall** at Moselem Springs till 6/21 (RK) and 3 **Ruddy Duck** at Glen-Morgan L. past 6/30 (KL).

An ad. **Bald Eagle** was seen going to roost in a tree in Robeson Twp 6/19 (Bill Uhrich). A **Cooper's Hawk** pair again nested in the city of Reading (Jack Holcomb). Presumably early returning shorebirds were 3 **Gr. Yellowlegs** (BU) and a **Solitary Sandpiper** (Matt Wlasniewski) at LO 6/29. On 6/14, Kerry Grim found 6 and HJS found 7 **Black Tern** at a farm pond near Shartlesville. They were gone the next day. There are 3 other June records, the most recent being 4 at LO 6/14/51 (Earl Poole).

An **Olive-sided Flycatcher** near Plowville 6/8 is the latest on record (HL). The previous late dates were Earl

Poole's 6/3/28 and 6/3/45. **Winter Wren**, a local and seemingly irregular breeder, was found on territory at 5 places at Hawk Mt. during their biological inventory this summer (Mark Monroe). A **Red-breasted Nuthatch** summered in a patch of pines at Blue Marsh L. (KK, HJS). Birders continue to watch for **Bicknell's Thrush** and submitted 3 sightings on 5/18 (KG), 5/22 (Jim Eckert), and 5/24 (KL) as "Gray-cheeked/Bicknell's" on such bases as yellow mandible color, differing tail vs. back color and perceived wing length. A pair of **Blue Grosbeak** was in a farm hedgerow near Albany 5/31-6/12 (RK). They were silent on each of 3 long morning visits, then moved on, leaving nesting still unconfirmed in *Berks*. A pair was observed mating near this place 7/5/96, but couldn't be relocated (RK). Details of a **Summer Tanager** seen and heard near Plowville 5/23 (KL, HL) are elsewhere in this issue.

Bradford County

Many of the records in the tables are based on Breeding Bird Survey in the Wyalusing area on 6/2 (rainy) and 6/20.

Hooded Merganser: A ♀ with 13 young seen at Marshy Pond in Standing Stone Twp on 5/16. On 6/20, ♀ seen again with only 2 young. Did the others take off or were they casualties? This nesting site is only about 2 miles from site in Terry Twp where Hooded Merganser was found with young in 1996.

Bucks County

Highlights: A **Red-headed Woodpecker** was at a feeder in Plumstead Twp from 5/7-15 (TW). Another reported in Ottsville on 5/16 (KK) and another reported in Revere on 5/23 (SF). A fourth report in Lahaska was unconfirmed. Was this an unusually high number of birds or one unusually busy bird seen in several places? (I understand that there was also a report of 2 at Militia Hill in *Montgomery*).

Nesting highlights: The **Great Blue Heron** rookery is active at Quakertown Swamp with 39 nests counted (KK). **Black Vulture** nested in Solebury again this year (KK). The **Barn Owl** nest in Richland was successful with 4 fledgling (SF). The **Osprey** nest (reported last quarter) was a *county 1st* for recent times (EF). A nesting **Acadian Flycatcher** was found at Peace Valley (PV), a first for the nature center (JM). Among the unusual, a pair of **Tree Swallow** were seen nesting in a pipe under the bridge at PV (SF).

Other highlights: A injured **C. Loon** was taken to the AARK (AM) and then released at PV. Although apparently all right for swimming and diving it seems reluctant to fly and is sitting the summer out in the lake (hopefully completing its recuperation). An **Am. Bittern** was reported at Quakertown Swamp 5/10 (KK). A **Least Bittern** was reported on the Birdathon 5/17 (MR, WW). A late (or early ?) **Snow Goose** was at PV on 6/21 (AM). A **N. Shoveler** was at PV on 4/8 (IW). Five **Oldsquaw** were at PV on 4/28 (SF, TW). Three **White-winged Scoter** were at Nockamixon SP on 5/22 (SF). A **Red-breasted Merganser** was at PV on 5/12 (AM), and another on the 5/17 Birdathon (GD).

A **Merlin** was at Churchville on 5/17 (CS). The **Peregrine Falcon** at the Turnpike Bridge was reported by several teams on the 5/17 Birdathon. Five **Virginia Rail** were reported at Quakertown Swamp on 4/27 (SF) and at

least 4 were there through 5/17 (KK). A **Sora** was found on the Birdathon (3 teams). Four **C. Moorhen** were reported at PV on 5/1(AM) and another on the Birdathon (GD). A **Dunlin** was at PV on 5/15 (AM). A **Foster's Tern** was at PV on 5/20 (SF).

A **Long-eared Owl** was at Yardley on 4/17 (ER) and a pair were calling at Perkasio on 6/12 (HR). A **N. Saw-whet Owl** was reported in Tinicum on 6/7 (MK). A **Whip-poor-will** was at Yardley on 4/17 (ER). A **Gray-cheeked Thrush** was at Silver Lake on 5/9 (GC) and another at PV on 5/17 (IB).

A **Philadelphia Vireo** was in Solebury on 5/10 (TE) and another on the Birdathon (MR, WW). A **Mourning Warbler** was at PV on 5/28 (RF). A **Vesper Sparrow** was at vanSant airport on 5/17 (AB). A late **Lincoln's Sparrow** was at PV on 5/24 (RF).

Butler County

Most exciting was a Kirtland's Warbler at Cranberry 5/15 (MOO, fide EK), *1st county record* pending PORC acceptance. More unusual geographically were 2 **Orange-crowned Warbler** at Wolf Creek Narrows 5/10 described as *lutescens* by an observer familiar with this Northwest Coast race (GW). Other good warblers were 3 **Prothonotary** at Glades 5/10 (RC) ~ one there 6/14 (JF, DHo), and a **Mourning** at Evans City 5/26 (EK).

Notable: last date 4/5 for an **Bared Grebe** first listed in late Mar. (RS), **Surf Scoter** 5/2 (RS), late **Ruddy Duck** 6/29 (DD), and 2 imm. **Bald Eagle** 6/14 (DD, DY), all at L. Arthur; early **Sora** 4/3 at Glades (KB et al.); 4 **Upland Sandpiper** at the Barkeyville Strips in June (JF, DHo); 3 **Black Tern** at L. Arthur 5/24 (PM, RM); 2 **~hip-poor-will** near Glades 6/27 (DS); a remarkable fallout of 3 **~Traill's** & 1 **Yellow-bellied Flycatcher**, 2 **Veery**, **~ Gray-cheeked** & 3 **Swainson's Thrush** in a Slippery Rock yard amid heavy rain 5/25 (GW); and 3 **Com. Redpoll** at a feeder 5/10 (KBr, fide GW).

Breeding news: 24 active **Great Blue Heron** nests at Todd Sanctuary (GR), largest of the county's several colonies; no success in the second year for an **Osprey** pair at L. Arthur, whose single egg failed to hatch, and for a new pair whose courtship produced no eggs (PS); 2 young at the Glades **Bald Eagle** nest; probable **Com. Snipe** breeding at Glades (SB, RC), which would be a county 1st; 58 active **Cliff Swallow** nests at the L. Arthur colony (CT); and a **Winter Wren** nest discovered in June at Moraine S.P. (DD), *1st county breeding record*.

CORRECTION: 2 Cattle Egret listed in May 1996 (Pa. Birds 10:98) were actually in Lawrence County and correctly reported there.

Butler County

Most exciting was a possible **Kirtland's Warbler** at Cranberry 5/15 (MW, fide EK), a *1st county record* pending PORC acceptance. More unusual geographically were 2 **Orange-crowned Warbler** at Wolf Creek Narrows 5/10 described as *lutescens* by an observer familiar with this Northwest Coast race (GW). Other good warblers were 3 **Prothonotary** at Glades 5/10 (RC) & 1 there 6/14 (JF, DHo), and a **Mourning** at Evans City 5/26 (EK).

Notable: last date 4/5 for an **Eared Grebe** first listed in late Mar. (RS); **Surf Scoter** 5/2 (RS); late **Ruddy Duck** 6/29 (DD); and 2 imm. **Bald Eagle** 6/14 (DD, DY), all at L.

Arthur; early **Sora** 4/3 at Glades (KB et al.); 4 **Upland Sandpiper** at the Barkeyville Strips in June (JF, DHO); 3 **Black Tern** at L. Arthur 5/24 (PM, RM); 2 **Whip-poor-will** near Glades 6/27 (DS); a remarkable fallout of 3 "**Trail's**" and 1 **Yellow-bellied Flycatcher**, 2 **Veery**, 5 **Gray-cheeked** and 3 **Swainson's thrushes** in a Slippery Rock yard amid heavy rain 5/25 (GW); and 3 **C. Redpoll** at a feeder 5/10 (KBr, *fide* GW).

Breeding news: 24 active **Great Blue Heron** nests at Todd Sanctuary (GR), largest of the county's several colonies; no success in the second year for an **Osprey** pair at L. Arthur, whose single egg failed to hatch, and for a new pair whose courtship produced no eggs (PS); 2 young at the Glades **Bald Eagle** nest; probable **C. Snipe** breeding at Glades (SB, RC), which would be a *county 1st*; 58 active **Cliff Swallow** nests at the L. Arthur colony (CT); and a **Winter Wren** nest discovered in June at Moraine SP (DD), a *1st county breeding record*.

CORRIGENDUM: 2 Cattle Egret listed in May 1996 (PB 10:98) were actually in *Lawrence* and correctly reported there.

Cambria County

Highlight of the quarter was John Salvetti's sighting of 2 ad. **Franklin's Gull** among 200 **Ring-billed Gulls** in a newly-plowed field near Patton.

Dave Gobert reports warblers were late and scarce; and grassland species were hard to find until the end of May. He mentions a **Black-throated Blue Warbler** eating seeds at his feeder for two days.

Carbon County

A **White-eyed Vireo** found by Dave Hawk and Robert Frantz at Beltzville L. was a *1st county record*.

Centre County

A **Snowy Egret** was seen at the Penn State Retention Pond (PSRP) on 5/13 (TO). A **Sandhill Crane** (*1st confirmed county record*) was at Curtin Wetlands from 5/3 to 6/2 (DB, JF, BS, BA, m..ob.). One **Peregrine Falcon** was near Bald Eagle SP (BESP) on 5/9 (NB), and seen again on 5/14 and 5/20 (BS).

Some very good shorebird species were reported, including 3 **Black-bellied Plover** at BESP on 5/10 (BS, BL); 2 **Semipalmated Sandpiper** 5/6 at Gatesburg Pond (PR); 2 **White-rumped Sandpiper** at GP 5/6-7 (PR); a **Stilt Sandpiper** at GP on 5/6 (PR) and another at PSRP on 5/16 (PR); 5-6 **Short-billed Dowitcher** at BESP on 6/2-3 (PR, AF, EZ), and 1 **Wilson's Phalarope** at GP on 5/4 (PR).

Exceptional were the two **Gull-billed Tern** seen at BESP with 1 **Forster's Tern** on 5/25 by Alice Fuller, Ted Fuller, and Bob Snyder, providing a *1st county record* and one of only a few Pa. records. One of the Gull-billed Terns was photographed and details submitted to PORC. One **Black Tern** was at BESP on 6/14 (DBr). Reports of **Caspian Tern** included 2 at BESP on 4/12 (PR), 2 at BESP on 4/28 (BS), 1 at BESP on 6/1 (JF, BH), 2 at CW on 6/2 (EZ), and 34 at BESP on 6/17 (DB, AF).

One **Olive-sided Flycatcher** was observed in Scotia Barrens on 5/24 (JP, BP). A **Yellow-bellied Flycatcher** was at Park Forest on 5/19 (PR), another at Lederer Park in State College 5/20 (NB), another at Sunset Park 5/26 (SF),

and 1 in the Scotia Barrens 5/31 (JP, BP). A **Marsh Wren** was at CW on 5/5 (EZ) and 5/10 (MH).

Another rare species was recorded at BESP on 5/1 1 when a **Clay-colored Sparrow** (*3rd county record*) was heard and seen in a group of 15 **Chipping Sparrow** (JH, RM, details submitted to PORC).

Chester County

This report does not include totals from the West Chester Bird Club's Spring Count (4/15 through 5/15) or its Breeding Count (6/8).

Comments I received about the spring migration indicated a good variety of warblers were seen and in better numbers than the past few years. David Harper has reported 1 pair of **Great Blue Heron** nesting for the second year in a row. This came to light as the result of a state survey of Great Blue Heron nests. No previous breeding record of this species exists for *Chester*.

The **Bald Eagle** seen on 4/23 by Beryl and Phyllis Hurlock was an adult on the shore of Chambers L. in Hibernia Park. The 2 **Wilson's Phalarope** observed on 5/8 (also by the Hurlocks) were a ♂ and ♀ spinning at the Honey Brook Sewage Treatment Plant.

The Phila. Rare Bird Alert reported a **Reeve** was at a drawn down pond at the Kurtz Fish Farm, in early May. This would be a *new record* for the county if details can be obtained from whoever observed it.

Clarion County

Red-shouldered Hawk: Two breeding pairs each successfully fledged 2 young, at Fisher (RS) and at Leeper (LC).

Ruddy Duck: Most of the migrants were gone after the second week of May so the one at Mt. Airy from 6/19-21 was a *real straggler* (MB).

Golden Eagle: One seen well by Mike Leahy (†) on 4/1 at Kahle L. **Short-eared Owl**: up to 4 owls at one time were present at 3 strip mine sites: Curlsville, Mt. Airy, and Mt. Zion all quarter. John Fedak found 2 fledglings at Mt. Zion on 6/27 confirming breeding at that site. At Mt. Airy several observers watched almost daily but couldn't confirm breeding directly except that from about 5/21 to 6/3 the adults were consistently hunting and dropping prey into the grass. On 6/3 at Mt. Airy, Walt Fye saw 4 owls in flight (2 pr.? or 1 pr. and 2 young?).

N. Mockingbird: This species may be run-of-the-mill in some counties but not *Clarion*. Singles were at Mt. Zion on 5/26 (JF) and Fern on 5/31 (RS). No known nesting.

Nashville Warbler: 19 at once in WF's banding net at Wentlings Corners on 5/10. Never happened before!

Clinton County

Black Vulture: A *3rd county record*. Randy Harrison and Timothy O'Connell reported an individual on 1 July 1996 near Rote. This is obviously a late report!

Columbia County

For the second consecutive year winter merged almost seamlessly with summer with only a few widely spaced warm days masquerading as spring. A good indicator of the harshness of the season was the mid-May abandonment of a nest with young by a pair of usually hardy **E. Phoebe**. They slowly but immediately rebuilt in the eaves of my cabin and successfully (?) fledged 3

young on 7/12. The question mark relates to my discovery of numerous shiny brownish feathers added to the previously observed blue and red feathers around the base of a nearby hemlock which had recently "housed" a family of **Sharp-shinned Hawk**. Were the phoebe efforts all for naught?

Warblers advanced not in a wave but in trickles and seemingly with caution. Overall numbers and species appeared about as usual. SGL #55 on Huntington Mt. near Jonestown is a recently selectively-timbered Mountain Laurel/mixed deciduous hillside and stream bottom land. From about 5/13+ warblers present were: **C. Yellowthroat, Am. Redstart, Hooded, Chestnut-sided, Black-and-white, Black-throated Blue, Black-throated Green, Canada, Cerulean, and Worm-eating. Blackburnian, Bay-breasted, Magnolia, and Yellow-rumped** paused there for only a few days before apparently moving on. It was interesting the number of song variations offered by the five or six singing Black-throated Blues. They also had a good imitation of the Cerulean so the latter was identified by sight.

Action at the **Bank Swallow** colony (100+) on Rt 93 near Berwick has 7 or 8 families still "in the hole" at this writing (July 17). They started excavation work during the first week in June.

Three young mergansers on my lake from 5/30 to 6/20 probably were **Hooded Merganser**. An adult pair were in a swamp adjoining the lake on 5/5 (or earlier). About a week before the young appeared a pair of female Hooded were seen on the lake possibly discussing the merits of abandoning the young in favor of partying elsewhere with the boys. Their rapid departure suggests the boys option won out! At any rate, the three flightless young were not accompanied by adults during their active three week stay. Their hunting skills, both for insects and fish, did not seem to be impaired by lack of parental guidance. Much warmer weather in mid-June caused the lake to gradually become turbid and the trio probably departed by foot to the adjacent Little and Big Pine creeks.

A **Clay-colored Sparrow** was a frequent feeder birder from 4/13-29 (†DG). It appeared on cue for other observers (ND,SK).

Crawford County

A fair second quarter here. Basically cold and wet. Many species arrived 1-2 weeks late. Better than usual reports of rails, bitterns, and shorebirds and a good flight of ducks early in period. An amazing report came from John Fedak, who while birding Conneaut Marsh at night (1-5 am), came up with numerous good birds such as 3 **King Rail**, 3 **Barn Owl**, and 2 **Whip-poor-will**.

There have been a number of reports of Black Bears doing damage to bird feeders in the Meadville and lake area. And many more sightings than usual, a family of Bobcats was reported at Conneaut Marsh, while interesting, they will likely have little effect on the bird populations of this area.

Cumberland County

Good birds abounded. First a **Glossy Ibis** was found 5/6 at the Big Spring Fish & Game property near Newville. The bird was well-studied and was not a White-faced. Would someone please find that overdue species! Also at Big Spring was the **Wilson's Phalarope** found on 5/15 and which stayed until 5/18, long enough for John Fedak to tick

his first Pa. Phalarope sp.

Closing out the quarter was the finding of **Dickcissel** at the same spot as last year, Three Square Hollow Rd. And SR 997. Two birds were found on 6/21. On 6/29, after a successful trip to see the *Juniata* W. Meadowlark, Hoffman, Colyer, Fedak, Horn, and Wiltraut tallied 5 birds. On 6/29 a ♀ was seen with nesting material.

Dave Coover found a **Black Vulture** nest in a rock outcropping off of Ridge Rd ½ mile e. of Milesburn Rd. Don Henise saw 1 chick there on 7/1. It was nearly full size, but still had a good bit of down.

A single **Am. Coot** continued at Kuhn L. into July. Henise had a ♂ **Yellow-rumped Warbler** singing near the Black Vulture nest on 7/1. A pair of agitated **Canada Warbler** were on the *Cumberland* end of Milesburn Rd. On 7/19, indicating probable nesting.

Dauphin County

The quarter was off to an exciting start with the discovery of a pair of **Harlequin Duck** on the Susquehanna at the W. Fairview boat ramp on 4/5. Unfortunately they were **not found** on subsequent days so it was the fortunate few who could add this *county 1st* to their lists. Excellent photos were taken to preserve the memory (R&DH). The river continued to yield unusual sightings through mid-May. A possible **Violet-green Swallow** was observed flying up river on 5/10 (†DB); ten **Red-necked Phalarope** were discovered from Marysville 5/15 (DB, RK) with at least 4 remaining to 5/16; and, during the same week, a **Franklin's Gull** was enjoyed by many. All three could be *county firsts*.

A **Sedge Wren** paid a brief visit to a farm n. of Hershey 5/16-18. Its vocalization was recorded which helped verify its identification (NC).

Another hot spot was Wildwood L. with the first of many reports of **Peregrine Falcon** coming from there 4/2 (SL). A **Least Bittern** was discovered 5/7 (S&GL); a late June report of another Least Bittern sighting remains questionable. A **Little Blue Heron** and a **C. Nighthawk** appeared there on the NAMC 5/10 (CJ); and an **Am. Bittern** arrived a few days later 5/13 (GR, MM). Later in May, Wildwood L. yielded a **Gray-cheeked Thrush** 5/20 (GR); a **Prothonotary Warbler** 5/24-26 (DE); a **C. Moorhen** 5/25 (DF); and a **Yellow-bellied Flycatcher** 5/26 (DH). Early June saw the arrival of an imm. **Trumpeter Swan** 6/4 (S&GL) which has remained through July.

The **Bald Eagle** nesting on Haldeman I. produced 2 young and a **Hooded Merganser** with a brood of 7 was reported 5/22 (SB). Two **Double-crested Cormorant** nests were found on the Wade I. rookery in June (MB) where they continue to put up with their raucous **Great Egret** and **Black-crowned Night-Heron** neighbors. Four young **C. Mergansers** were observed from the W. Fairview boat ramp on 6/29, combined with an early July sighting of a female C. Merganser from the same location supports the possibility of local nesting (MM). The **Bank Swallow** colony on Haldeman I. and the **Cliff Swallow** colony at the Clark's Ferry bridge continue to thrive. A singing **Winter Wren** was reported from Mahantango Mt. in northern Dauphin Co. 6/5 (SB) and others were observed in the Cold Springs area of Stoney Creek Valley (*Lebanon*) in June (JR).

Shore and marsh bird observations included **Least**

Sandpiper 5/3-18 (many); **Pectoral Sandpiper** 5/4 (RK); **Virginia Rail** and **Sora** 5/7 (DH); **Semipalmated Plover** 5/10-21 (RK,SB); **Short-billed Dowitcher** 5/18 (MM&RK); **Dunlin** 5/20-5/21 (GR,MM,RK), as well as **Greater** and **Lesser yellowlegs** and **Solitary Sandpiper**. Terns were plentiful on the river this spring with **Forster's Tern** being reported from 4/26 to the 23 counted on 5/10 (MM); **C. Tern** numbers were higher than normal with 12 tallied on 5/11 (RK), and **Black Tern** appeared throughout the month of May. **Caspian Tern** had the distinction of the earliest sighting 4/6 (SB,S&GL) and the latest 6/20, when 4 were observed (SB).

Reports of **Barn Owl** came from n. *Dauphin* 5/10 (SB) and from E. Hanover Twp 6/6 (NC). Successful **Great Horned Owl** and **E. Screech-Owl** nesting was confirmed behind Hotel Hershey with newly fledged young reported 4/13-14 (JR, RW) and 6/23 (FW) respectively. A **Merlin** was reported in Stoney Creek Valley 5/10 (TS). The survival of the fittest is carried out every day but only on rare occasion is observed. A pair of **Peregrine Falcon** attacked unsuccessfully a **Bonaparte's Gull** on the river 5/21 (RK), and a **Red-tailed Hawk** was seen "dining" on a **Mallard** near Hershey 5/31 (JR).

Am. Pipit remained well into May with observations on Haldeman I. 5/3 (SB) and in the Hershey farms area 5/10 when 30 were reported (S&SR). The hybrid "**Brewster's Warbler**" was again reported from the power line in Stoney Creek Valley and an additional site in Powell Valley was discovered 5/31 (MM). **Bobolink** reports were up this year especially on NAMC (GR) while only one report of **Whip-poor-will** came in this quarter (SB). **Red-Headed Woodpecker** was observed at Wildwood L. 4/26 (JB) and near Carsonville at a feeder 5/18 (J&JF).

Delaware County

The second quarter was characterized by cool, wet weather through much of April and early May. This weather pattern delayed migration somewhat but, when the weather became more seasonal during the second week of May, migrants passed through in good numbers. Major flight days were 5/9-10 and 5/18-19. In addition to adding a *new breeding species*, **Cliff Swallow**, the quarter also hosted several irregular breeders: **Yellow-throated Warbler**, **Worm-eating Warbler**, and **Rose-breasted Grosbeak**. A total of 179 spp was recorded for the quarter.

Two **Snow Geese** were found at Tinicum I. 6/20 (JL), with 1 bird apparently injured and not able to make the journey northward. A ♂ **Surf Scoter**, a 3rd county record, was observed at Springton Res. 4/18 (NP), following the passage of a strong low pressure system. Non-breeding **Osprey** continue to be found during June, with 2 birds frequenting the Darby Creek area. The peak **Broad-winged Hawk** flight was on 4/26, when 71 indiv. Passed the hawk watch at Rose Tree Park in Media. An early **Sora** was discovered in a small wetland area in Radnor Twp 4/7 (SJ). There was a moderate shorebird flight along the Darby Creek mudflats, with the highlight being 9 **Dunlin** 5/19 (NP). A lone **Bonaparte's Gull** was found 5/17 at Marcus Hook (AG). The counties two rarest regularly occurring "empi" flycatchers were both recorded the same day 5/21. A **Yellow-bellied** was at Haverford College (SJ), and an **Alder** was in Swarthmore (NP).

The big news as far as breeding birds goes, was the discovery of an active **Cliff Swallow** colony at Springton Res. (MG). This is the 1st confirmed nesting for the county. **Blue-gray Gnatcatcher** were in above average numbers all quarter. **Warbling Vireo** numbers continue to increase along Darby Creek, with at least eight breeding pairs found. There were 34 spp. of warblers tallied. A few of the more unusual were: **Golden-winged** 5/5 in Swarthmore (HM); **Yellow-throated** in Swarthmore 4/29 (NP) and Chadds Ford 4/27 (NP,JL,SJ); **Prothonotary** at Ridley Creek SP 4/30 (HM) and Darby Creek 6/30 (JF,DH); and **Mourning** at RCSP 5/23 (AG) and 5/29 (NP). Yellow-throated Warblers nested at Chadds Ford and Worm-eating was found nesting at RCSP (HM,AG).

Another irregular nesting species found feeding young at RCSP was **Rose-breasted Grosbeak** (HM). **Blue Grosbeak** were found at Haverford College (SJ), RCSP (MG), and in Chadds Ford (NP). Nesting at any of these locations could not be verified. A lingering **Dark-eyed Junco** was in Media 5/3 (JL).

Elk County

I received a call from Arlene Koch, who was lucky to find a **Pine Warbler** nest 6/12, while in Coal Hollow. She also commented on seeing **Dark-eyed Junco**, but they are resident here. She also saw **Cliff Swallow** in Benezette.

Tom Schatz saw a **Great Egret** in the Kenny area 4/21. **Yellow-bellied Sapsucker** noted in various areas; these birds are fairly hard to see, you must know the call. **Vesper Sparrow** were reported from two different areas and also **Lincoln's Sparrow**. I noted **Dark-eyed Junco** on territory 4/1. While birding in Medix Run, I had the bonus of seeing three bull elk in velvet, which were resting in the field where I was walking. On 6/5 I noticed a **House Finch** with feathers sticking up like horns. When I first saw it, I thought I was seeing things. "What, a Horned Lark, at my thistle feeder!" Another day I saw an **Am. Crow** with two feathers sticking out on either side of its back, just like angel wings!

Doris Fedorko, who reported bird sightings occasionally, and participated in past Migration Counts, died recently, she was 59. She will be missed.

This will be my last report as *Elk* compiler as my husband will be retiring 12/31 and we will be leaving the area. Dave Wolfe has agreed to be the new compiler.

Erie County

Following a mild winter, we were hoping for an early spring, but it didn't happen. Cold wind blew across L. Erie all through April and May holding temperatures in the 40s and 50s through most of these two months. There was almost no hawk migration noted along the shores of L. Erie and the **Broad-winged Hawk** migration passed almost unnoticed. Passerine migration was delayed and continued into early June. On 6/1, Jerry McWilliams had 17 spp. of warblers on Presque Isle. Most years about seven species of warblers is all an observer is likely to find in early June. Some birds lingered notably longer than usual such as **Great Egret**, **White-winged Scoter**, **Swainson's Thrush**, **Palm Warbler**, **Blackpoll Warbler**, **Am. Tree Sparrow** and **Fox Sparrow**.

Fayette County

A **Snowy Egret** was found at Mill Run Res. on 5/31 (DK), which is a 1st county record. Waterfowl highlights: an **Oldsquaw** on 4/1 and 7 **N. Shoveler** on 4/15 and at Jacob's Creek L. (MF), 2 **Redhead** and 2 **Surf Scoter** on 4/17 at Green Lick Res. (M&EW). A **Rough-legged Hawk** was observed at Ohiopyle SP on 4/19 (MW).

A **Forster's Tern** was at Green Lick Res. on 4/17 (M&EW), and a flock of 10 were observed at Mill Run Res. on 5/10 (ME, JV). A **Whip-poor-will** was heard calling near Farmington 6/20 (BM).

Forest County

The nest of a **Louisiana Waterthrush** was located near the intersection of 66 and SR 1003 (Blue Jay Rd) on 5/3. The nest was located in upturned tree root mound. Inside materials fine grasses, with a "porch" entering the nest made of leaves. It was approx. 3-4' from water's edge in a very swampy area just next to the Tionesta Creek (Amanda Saul).

Franklin County

The Mt. Parnell Fish Hatchery was the major spot for shorebirds. Carl Garner found a **Willet** there on 5/15 for the 2nd record in 3 years. The shorebird migration peaked there on 5/17 with high counts of 12 **Semipalmated** and 88 **Least sandpipers** (CG). Two **Wilson's Phalarope** were found in May. One stayed for 2 days at the Green Castle Res. on Reservoir Rd 5/10-11 (CG, DG). The other was found at Mt. Parnell Fish Hatchery on 5/11 (CG).

DG picked the right day to visit McCleary's Woods. On 5/22 he found 3 uncommon migrants: **Yellow-bellied Flycatcher**, **Gray-cheeked Thrush**, and **Mourning Warbler**.

A pair of **Canada Warbler** was found along the Franklin section of Milesburn Rd in Michaux SF on 7/5 (RK, DRH) establishing the 1st breeding record.

Fulton County

A good spring migration produced a reported 157 spp. Highlights: An apparently uncrippled ♂ **Bufflehead** remained on a Wells Twp pond until mid-June (DP). Spring hawk watching at the Pulpit produced noteworthy **Golden** (DP) and **Bald** (KG) **eagles** and a light-phase **Rough-legged Hawk** (DP). A ♂ **Merlin** was found at the Jim and Dolores Purnell farm 4/6. This rare falcon was inefficiently chasing **House Sparrows** around the barns. Apparently the individual tired quickly and later perched in a walnut tree. Meadow Grounds L. hosted a **Long-eared Owl** (DS) and **Double-crested Cormorant**. Thirty different warblers were reported, including the uncommon **Yellow-throated** (DS) and **Cape May** (DP). My suet feeder near Amaranth was visited by all 7 **woodpecker** spp. this quarter. Although the winter finches were nonexistent, a flock of 11 **Rose-breasted Grosbeak** stopped and ate sunflower seeds and suet. Unfortunately one of the males fell victim to a feral cat. It is such a reminder to how these "cute" animals can be so destructive on migrant and also nesting birds.

Greene County

After 25 years, the **Purple Martin** may finally be starting to develop new colonies here. Many houses have been present, but no takers. Before 1972 there were probably at least 150 martin colonies here in this county.

Then Hurricane Agnes came in with a week of heavy rains the last of June (1972) and practically all adults and young died because of the lack of insects.

Last summer (1996) the 2 major colonies in e. Greene produced enough extra young that this year there have been nesting attempts in at least 5 new locations and these martin house owners are very happy.

Huntingdon County

Again this summer **Great Blue Heron** were seen regularly in the McAlevy's Fort area but we have no information on the location of a possible local nesting site. David Kyler found a **Ruddy Turnstone** at L. Raystown on 5/9, to the best of my knowledge, a 1st Co. record.

Two warblers not confirmed to breed here were observed well into June. Paul Rodewald observed a **Magnolia** on 6/15 in appropriate breeding habitat (i.e., hemlocks) near Alan Seeger Natural Area. **Yellow-rumped** were found at two separate locations. Rodewald found a **Yellow-rumped Warbler** on top of Thickhead Mt on 6/15. The compiler observed 2 ♂♂ **Yellow-rumps** on top of Broad Mt on 6/27. Both **Yellow-rump** locations are above 2250' elevation within Rothrock SF in the northern part of the county.

Many migrants were late arriving, presumably because of the cold weather; flycatchers seemed most tardy. On a positive note, I found more **Cerulean Warbler** than ever before, both in migration and during June.

After a winter devoid of siskins, I was surprised to see a single **Pine Siskin** at our feeder on 5/3. A flock of ±12 **Purple Finch** lingered until the early days of May.

Indiana County

The waterfowl migration tapered quickly with few species lingering past early May. Scoter reports were limited to two incidences: 1 **White-winged** 4/18 (GL,BF) and 4 **Surf** 5/3 (m.ob.). Single **Bald Eagle** were noted on 3 dates. Of special note was a **Peregrine Falcon** circling over the observers' heads at Yellow Creek SP on 5/27 (m.ob.). **Red-headed Woodpecker** found near Home City in June (LC) suggested breeding.

The warbler migration was late starting; but an extraordinary number of **Wilson's Warbler** were reported. Our white-hooded leucistic **Yellow-rumped Warbler** found last year at Yellow Creek, returned to the same woodlot where it was still singing through late June (GC). Several observers commented on the "flocks of orioles" visiting feeders; maxima included 6 earing oranges at Plumville (BJ) and 7 on the porch at Shelocta (MH,RH).

Jefferson County

We began with good flocks of waterfowl still on Kyle L. as well as the discovery of 3 colonies of **Great Blue Heron**. The warbler and neotropical migration was slow, but some birds were recorded.

Highlights included the discovery of **breeding Short-eared Owl** at two reclaimed strip mine. One was s. of Brockway and the other s. of Westville. One was observed by Ian Hartzler and John Fedak tearing a small mammal (vole?) To shreds and 4 were seen on 6/30 at the same site; 2 seemed to be fledglings. The family at Westville had 4 young, 1 of which was hit by a car.

Also a highlight was a **Red-throated Loon** in company of 3 **C. Loon** on Kyle L. 4/2. A grassland BBS and BBS

route both yielded good numbers and species of breeding birds in the area.

Juniata County

Two County firsts!! The foremost highlight was the **Western Meadowlark** found by Toby Petersheim near the village of Center. The bird was first seen by Toby on 6/21. Word was given to Aden Troyer on 6/27 after Toby was confident of his ID. Aden confirmed the bird on 6/28. It was most active in the morning and evening. By mid-July only the early morning hours were good. (video Rick Wiltraut).

The second highlight was the **Yellow-throated Warbler** found on 5/25 at the Thompsontown boat launch. The bird stayed all quarter and was presumed to have nested, a Co. first.

Also seen were: 1 **Dickcissel** in Van West area for one day only in the same field two pair nested in 1996. Also seen in SGL at Thompsontown were 1 "**Brewster's**" and 1 "**Lawrence's**" warbler.

Had confirmed nesting of **Fish Crow** in Oakland Mills. Also two pair nesting **Bobolink** in Brookline Manor area. We had more **E. Kingbird** than were seen in years.

Lancaster County

Shorebird migration on the Conejohola Flats was very productive. The total of 20 spp. Set a new record. Highlights included 1st spring records of **Am. Golden-Plover** and **Stilt Sandpiper** and 2nd spring record of **Sanderling**.

Other rarities were **Am. White Pelican** (5/17-18), **Trumpeter Swan** (5/17; 6/8; origin unknown), and **Franklin's and Little gulls**. Warbler migration was also quite good; several observers reported 20+ spp and the NAMC had 30. (Just their luck, the 31st sp., a singing ♂ **Golden-winged**, showed up the next day.)

Lawrence County

The shorebird migration was unremarkable with 3 **Am. Golden-Plover** reported as best bird on 5/10 for the NAMC and 9 **Black-bellied** and 1 Golden at Amish area on 5/6 as our best shorebirds. (SB,LW,BD,GD) Three pair of **Upland Sandpiper** returned to breed at Vosler Rd. 4/16 and at least two pair returned to Amish area on 4/19 (BD, GD,SB,LW). One **Sandhill Crane** was seen at Rodgers Rd. in Plain Grove on 6/27-29. It was rust-colored and adult size and we think it may have been a loner, perhaps a young bird from a previous year. I can report that a breeding pair of Sandhill Cranes were observed with one young at Plain Grove at the Golf Course Rd area from mid-July+ (SB,NR,BD,GD). Sandhills have been observed in our area since 1991 and we have had breeding records every year since 1993.

C. Snipe were found at 6 locations with a high of 18 on 4/20 at Plain Grove during migration.(BD,SB). **Black Tern** is seldom reported in *Lawrence* but this year Linda Wagner had 4 at Black Swamp on 5/20. Our last date for the **Long-eared Owl** near Pennsy was 4/5(B&GD). Suzanne Butcher reported one pair of **Short-eared Owl** nesting at the Volant Strips this year. She and NR watched adult owls carry voles to the presumed nest area on 6/4. On 6/8 SB saw one young owl. This is a long-awaited and joyous 1st nesting record for *Lawrence*.

We had 34 warbler spp. reported and warbler watching was superb on 5/21, 22, 23. Highlights were a

Prothonotary 5/8-9 at New Castle and 1 at Black Swamp on 5/20 (LW,BD,GD). Rosie Noll and the Deans had **Worm-eating Warbler** at Volant on 5/5-7. Two **Mourning Warbler** were found: 1 at Volant 5/22; 1 at New Castle on 5/23 (B&GD). Our best warbler was a **Swainson's** found at Volant on 5/21 (B&GD), a 1st Co. Record. Anyone who needs to add warblers to your *Lawrence* list should try to bird the Volant Trail that runs along the Neshannock Creek (in May). A visit to Nancy Rodgers at her Volant address on 5/21 yielded a new late date for **Dark-eyed Junco**.

Lebanon County

We had record early dates for 8 spp. **Least Sandpiper** 5/4; **E. Wood-Pewee** 4/27; **Great Crested Flycatcher** 4/7; **Wood Thrush** 4/18; **Swainson's Thrush** 5/2; **Cape May Warbler** 4/2; **C. Yellowthroat** (2) 4/2; and **Grasshopper Sparrow** 4/26.

A singing **Winter Wren** SGL #211 on 6/20, 29 was an excellent find (JR,GR). A **Dark-eyed Junco** with young was found at SGL #211 for a 1st Co. breeding record (JR,GR). A singing **Bicknell's Thrush** was at SGL #145 on 5/2. A **C. Raven** at SGL #225 was noteworthy for the s. part of the county.

Lehigh County

A flock of 40 **C. Loon** and a **Horned Grebe** were at Leaser L. on 5/9 (CM). A **Gr. Scaup** was at a small city pond in Allentown at the very late dates 6/6-9 (AJ). Five **Surf Scoter** (3 ♂♂, 2 ♀♀) tied the previous late date of 5/10 at the Fogelsville Quarry (P&BM,FB), and a ♂ **Red-breasted Merganser** was there on 4/6 (BLM).

Two **Black Vulture**, unusual in the county away from the Blue Mt., were near Macungie on 5/26 (P&BM). An **Upland Sandpiper** was at the ABE Airport on 6/20 (MW). Two **Black Tern** were at Leaser L 5/9 (CM), and 2 **Red-headed Woodpecker** were at Jordan Park on 5/24 (TF). A **Gray-cheeked Thrush** was in a driveway near Macungie 6/2 (P&BM), and a **Philadelphia Vireo**, rare in spring migration, was at Jordan Park 5/10 (FB,PM). A ♂ **Mourning Warbler** was at the Pool Wildlife Sanctuary on 5/26 (KS).

Luzerne County

There were 194 spp reported. **Am. Bittern**, **Sora**, **Virginia Rail**, and **C. Snipe** were present all quarter at Lee Swamp. All are possible nesting species at this rare wetland. Confirmed nesting at two new locations for **Great Blue Heron**: Jackson Twp (RK,JH) and Francis Slocum SP (ES), along with the site at Loyalville (SG). Confirmed nesting **Mute Swan** at Hobbie (AG,AP,LR) is a county first. Nine **Brant** at Harvey's L. 5/13 (RK,JH) is a good spring sighting. **Black Vultures** in s. *Luzerne* on 5/10 (EJ) and 6/25 (AG,JF) might be breeders. The only shorebird highlight was a **White-rumped Sandpiper** seen at Plains Flats 5/6 (JH,RK).

Three fledged **Great Horned Owl** found at Kirby Park (ES), entertained many all quarter. Food items I discovered under a roost tree included Gray Squirrel, E. Cottontail, Rock Dove, Mourning Dove, Mink, Muskrat, Norway Rat, and Starling. **Barred Owl** once again fledged young in my nest box. Cuckoo species reports were far less than previous years. Very early was a **C. Nighthawk** at Wilkes-

Barre 4/27 (BR) as was a **Whip-poor-will** at BM 4/30 (RK). A high of 26 **E. Kingbird** was observed at Berwick riverlands 5/11 (JGF). **Purple Martins** used a nest box only 6' off the ground at Nescopeck.

Gray-cheeked and **Bicknell's thrushes** found at KP 5/26 (JS,JH,RK) are uncommon. The latter was observed for several minutes at close range in company with the Gray-cheeked. Also uncommon was an albino **Am. Robin** at Plymouth 5/17 (JS,JH,RK). **White-eyed Vireo** at Wyoming (JS) might be nesting. A rare spring **Connecticut Warbler** along with **Prothonotary Warbler** were found by Jim Shoemaker at KP 5/24. A "**Brewster's**" was at Nanticoke 5/14 (RK). **Kentucky** at NAN 5/26 (RK,JH). **Hooded** were rediscovered at Bunker Hill, a former nesting location (BR), No report of **Henslow's Sparrow** this quarter.

Mercer County

Mike Colgan from the PGC reported that the egg in the brand new **Bald Eagle** nest at L. Wilhelm did not hatch. However, the other new nesting at Big Bend on the Shenango R. successfully fledged 2 eaglets. He noted that one adult at the productive new **Osprey** nest (also at L. Wilhelm, and within sight of the eagle's nest there) had been hacked from Moraine SP (*Butler*) and its mate came from the Chesapeake Bay area.

Ruby-crowned Kinglet drifted through for 5 weeks - 4/5-5/10. **N. Mockingbird** continues at Swartz Ln, which is the only known site for this sp. in Hermitage, first seen there in 1993. On 6/12 a very possible **Eurasian Collared-Dove** (no documentation, but well described) was seen in Grove City under a feeder eating mixed seed (HB). Except for one 5/3, **Scarlet Tanager** arrived 5/18, an anxious 2 weeks late.

Yellow-bellied Sapsucker, Hermit Thrush, Yellow-rumped Warbler and **Indigo Bunting** arrived early, then migration slowed with the cold, wet weather in mid-April. Most warblers came through before the leaves came out - a birder's wish come true. Better coverage from the increased number of birders resulted in 32 spp. of warbler recorded. Good numbers of **Magnolia, Am. Redstart, Chestnut-sided, Black-throated Green, Black-throated Blue, Black-and-white, and Palm** were seen. Outstanding were **Prairie** 5/3 (JT,HHT), "**Brewster's**" 5/9 at Skunk Run Rd (JT,HHT) and another 5/24 at SGL #294 (JT,HHT,MT,NT). A **Worm-eating** was heard on the Harrisville BBS route 6/8 and again 6/15 at SGL #130 (SB). It was thought a possible breeder, since it was in appropriate habitat.

And some interesting behavior notes at feeders: Indigo Bunting at a Hermitage feeder 5/6, **Baltimore Oriole** eating suet at Grove City 5/28-30, and at least 1 pr. of **House Finch** regularly visiting a small Droll Yankee Hummingbird feeder, filled with the usual 1:4 clear sugar-water mixture.

Mifflin County

Jennie Aurand again had nesting **Red-tailed Hawks** in the creek-meadow section of her farm. On 5/10 we were able to confirm **Bobolink** nesting there. Sally Zook had either **Sharp-shinned** or **Cooper's hawk** nesting near her home on Jacks Mt. I am suspecting Cooper's by her description.

Gloria Bickel reported nesting **Purple Finch** for the second year. She also mentioned large flocks of gulls

"kettling" for insects like Broad-winged Hawks.

I had many calls about **Indigo Buntings** and **Rose-breasted Grosbeaks** eating at feeders this quarter.

The Jacks Mt. spring hawk watch also produced loons, swans, geese, gulls, tanagers, and juncos.

Montgomery County

Kevin Crilley found the county's 1st **Great Cormorant** on 5/3 at Green Lane Res (GLR), which stayed until at least 5/24. August Mirabella saw an **Anhinga** for the second spring in a row. This one was flying s. in Upper Gwynedd on 5/6. Mirabella's other highlights: **Blue-winged Teal, Gr. Black-backed Gull, Am. Pipit, Cerulean and Hooded warblers, Savannah, Lincoln's and Vesper sparrows.**

Bill & Naomi Murphy's highlights from Ft. Washington: 2 **Red-headed Woodpecker** (stayed 3 weeks); 27 spp. Of warblers including **Cerulean, Yellow-throated,** and "**Lawrence's warblers; Bicknell's and Gray-cheeked thrushes; Bald Eagle; N. Goshawk; Blue Grosbeak.**

Ron Grubb again had **Olive-sided Flycatcher** and 35 **Purple Finch** at home. Also, **Prothonotary Warbler** visited his garden. Unami Creek highlights: (KC, GAF, GLF): N. Goshawk; "**Trail's**" **Flycatcher** (singing both Alder and Willow songs); **Winter Wren** on territory all May; Prothonotary Warbler, Yellow-throated Warbler.

Green Lane highlights (KC,GAF,GLF,AM): **Snow Goose; White-winged Scoter; Red-breasted Merganser; Merlin; Laughing and Bonaparte's gulls; Am. Bittern, Black Tern; Dunlin; Hooded Warbler; Grasshopper and Vesper sparrows.** Sheryl Johnson found our only **Wilson's Warbler** at Haverford College.

Montour County

Nothing unusual reported. Although a small county, it supports a good variety of breeding birds, including grassland species in the central and southern areas, and woodland birds in the "Muncy Hills," a forested ridge across the northern edge.

Northampton County

Single **Am. Bittern** were seen at Jacobsburg SP (JSP) 4/3 (DM), E. Bangor Dam (EBD) 4/5 (SB,RW), and National Park Rd (NPR) 5/12-13 (SB,DD,RW). Five fledgling **C. Merganser** were seen on the Delaware R. on the early date of 4/26 (SB,RW). The *Atlas Of Breeding Birds in Pa* gives 5/10 as the earliest date for fledglings.

Osprey nested on a tower at Martins Creek (MC) flyash ponds, a new location for the county (m.ob.) A **Peregrine Falcon** was seen at Little Gap Bird Observatory on 5/4 and a **Merlin** there on 5/6 (BS). Over 200 **Am. Kestrel** nestlings were banded by Kestrel Research (SB, RW). Single **N. Bobwhite** were heard calling at 3 locations in the vicinity of Franklin Hill in late June (SB,RW). There are still brushy fence rows in this area. **Virginia Rail** were heard at School Rd in May, presently the only known site for this species in the co. (RW). An excellent count of 37 **Spotted Sandpiper** was made at Minsi L on 5/24 (BS,JS) and a county high of 29 **Dunlin** were at Green Pond on 5/20 (RW).

Kestrel Research is requesting any known locations for **Barn Owl** in *Northampton* 610/746-2810. A **Barred**

Owl with fledglings was seen at BS in June (DM). A single **Whip-poor-will** was heard at Todts Gap on 5/13 (SB,DD,RW) and at their usual location at LGBO from 4/16 through May (BS,JS). An extremely early **Ruby-throated Hummingbird** was attracted to a red tag on a telephone pole at LGBO on 3/29 (BS).

A singing **Yellow-bellied Flycatcher** was at JSP 5/23 (RW). A **C. Raven** was at LGBO on 5/21 (BS) and a pair nested on cliffs at Delaware Water Gap at the same spot where they nested two years ago (BH, m.ob.). A **Red-breasted Nuthatch** was heard in a spruce tree on Spruce St. in Nazareth 6/7 (SB). Five fledgling **Carolina Wren** were found (one dead) at Lehigh River Natural Area on the early date of 4/21 (Bill Sweeney). The *Atlas* gives 5/1 as the earliest date for fledglings. A *singing Winter Wren* was at Smith Gap 5/19 (RW). The **Sedge Wrens** at JSP did not return this year, probably due in part to an early mowing and their habit of nesting in a suitable spot one year and not the next.

A **White-eyed Vireo** was singing near Northampton 6/10, a new location (RW) and a **Golden-winged Warbler** (rare in the county) was heard at NPR on 5/12 (SB,DD,RW). **N. Parula** were found singing at several places in June, including one at FR, two at LRNA, and 2 at Shady Lane (ST,RW). These areas have to be preserved if we want the beautiful N. Parula to continue to breed in the county. **Cerulean** numbers were down. Only 1 bird was present at Smith Gap where there used to be a small colony (RW). Four singing **Yellow-throated Warbler** were found again in the large American Sycamore grove in the LRNA in May and June, the exact spot where the Route 33 extension bridge is to be built. These warblers are not found n. along the Lehigh R. because the large tracts of sycamores disappear as the flood plain habitat disappears (sycamores are rare in *Carbon*). American Sycamore groves are important nesting areas for many other neo-tropical birds as well. Why this area wasn't chosen as an IBA is a mystery to me. I guess Yellow-throated Warblers and large tracts of sycamores just don't meet the criteria. One of the most bizarre sightings of the quarter was a singing Blackpoll Warbler studied for over an hour at JSP on 6/26 (RW). The closest known breeding areas are *Wyoming* and the Catskills! Poole (*Pennsylvania Birds /964*) mentions stragglers as late as 6/21. A **Kentucky Warbler** (now rare in the county) was singing at Hartzells Ferry 5/19 (RW) and a **Mourning** was at JSP 5/28 (JW).

A singing **Clay-colored Sparrow** at JSP on 5/23 was the *1st documented record* (ph. RW) and a **Lincoln's Sparrow** was at Todts Gap 5/10 (RW). Unfortunately, the **Grasshopper Sparrow** and other grassland birds may soon be a thing of the past in *Northampton*. Grasslands are being lost at alarming rate due to housing developments. **Orchard Oriole** appears to be doing well in the northern part of the county. Singing birds were found at 15 locations during kestrel surveys (SB,RW), usually in shade trees on farms. The only **Blue Grosbeak** was a singing ♂ at the Ott Farm 6/24 (RW).

Perry County

Excitement came early, on 4/3, with the find of a *1st Co. record* of **Eared Grebe** at Little Buffalo SP. Dick Colyer got a superb look at the bird and recorded his sighting. The bird unfortunately could not be relocated the next day.

Passerine migration started late but opened with a bang, one day no birds, the next birds everywhere. Hoffman and Weaver experienced a wonderful morning on 5/3 at Warm Springs Lodge. While birding in a light drizzle we recorded 86 spp., including 24 warblers with two hours!

Philadelphia County

We recorded 180 spp. (plus 1 exotic and 1 hybrid).

Great Cormorant lingered until the 5/10 NAMC. Noteworthy waders, all at Tinicum (TI), included: **Am. Bittern** 4/16-22 (TF), breeding **Least Bittern** (JM), breeding Great Egret (TF,KS), **Snowy Egret** 6/15 (TF, KS), and **Cattle Egret** 6/15 (TF,KS). **Black Vulture** was noted at several locations (v.o.), and a **Ruddy Shelduck** (exotic) was at E. Park Res. (EP) 4/10-17 (JSc). A **N. Goshawk** at Roxborough (RX) 6/4 was unseasonal (BM). **Peregrine Falcon** bred at several sites (EF et al.).

Gruiformes at TI included **Virginia Rail** (NP), **Sora** (JM), breeding **C. Moorhen** (KSt), and a high count of 60 **Am. Coot** 4/13 (TF). Best shorebird tallies were 23 **Semipalmated** on the NAMC, 40 **Least** at TI (TF), and 15 **Pectoral sandpipers** at TI (JM), and 28 **C. Snipe** at TI (TF). **Laughing Gull** at TI 4/13 was somewhat early (TF), and a **Forster's Tern** at Poquessing Creek (PO) 4/24 was a record early date (EF).

Black-billed Cuckoo at 2 locations in late June (v.o.) were unusual. **Red-headed Woodpecker** was noted at 2 locations 5/10-5/14 (v.o.). An **Olive-sided Flycatcher** was at Carpenter's Woods (CA) 5/19 (v.o.), and **Alder Flycatcher** was noted at upper RX 5/25 (RR) and TI 5/26 (TF). A **Cliff Swallow** was at TI 6/15 (TF,KS). **Gray-cheeked Thrush** was reported from 2 locations (MD,NP), and a **Swainson's Thrush** in w. Fairmont Park (FP) 5/10 was thought to be of the western subspecies *C. u. ustulatus* (EF et al.).

Best among 33 species of warblers were: **Golden-winged** at 2 locations (v.o.), "**Brewster's**" at Pennypack Park (PE) 5/10 (FW), **Cape May** at PE on several dates (MD,FW), a good 421 **Yellow-rumped** on the NAMC and a late indiv. remaining until 5/21 at CA (EB), a record-early **Black-throated Green** at FP 4/15 (TF,KS) and a late straggler 6/6 near CA (EB), **Yellow-throated** at PE 4/13 (FW), an unusual summer **Prairie** at PE 6/28 (MD), a high count of 17 "Yellow" **Palm** at TI 4/13 (TF) and a tardy individual 5/11 at CA (KR), **Prothonotary** in FP 5/10 (KR,KSo), and **Mourning** until 6/5 at PE (LB).

Blue Grosbeak numbered 4 on the NAMC. **Lincoln's Sparrow** was present at TI 5/18-5/19 (TF,NP), and best **White-crowned Sparrow** tally was 7 at TI 5/18 (TF). The NAMC produced 37 **Bobolink** and 2 **E. Meadowlark**. **Rusty Blackbird** max. was 7 at TI 4/22 (TF). An impressive 16 Orchard Oriole were present at the Schuylkill Center (SC) 6/7 (CH et al.), and a **Baltimore Oriole** in Torresdale (TO) 4/9 was very early (EF).

Potter County

Spring was cold. Most birds came late and started nests late. A **C. Loon** stayed at Ole Bull all quarter until found dead 6/24. A "**Brewster's**" **Warbler** was seen by Gary Witmer in N. Coudersport 5/10.

Schuylkill County

We recorded 159 spp. Only 1 **Red-necked Grebe** (TC) was recorded on 4/15 at the Landingville Dam (LD), compared to last April's large concentration of them and **Oldsquaw**. At least 1, and possibly 2 **Am. Bittern** (TC,MW,BL) the Landingville Marsh 4/7 to 5/10. A late **Green-winged Teal** was at the LD on 6/14. A relatively late **Red-breasted Merganser** was at Tumbling Run Dam on 5/31.

A **Peregrine Falcon** (LG) was seen at New Ringgold on 5/2. A ♀ **Wilson's Phalarope** was at the LD spillway mudflat from 6/18-20.

A 1st Co. Record of **Chuck-will's Widow** (AC) was heard at Kreager's farm off of Lutz Rd. in Wayne Twp on 5-13. An always nice report of a **Philadelphia Vireo** (DW) was recorded in the New Ringgold area on 5/24. Our only **Mourning Warbler** (DW) was seen NR on 5/18. The Ringtown area reported a ♂ **Blue Grosbeak** (MG) both on 5/3 and again on 5/10, perhaps the same bird. A singing **White-throated Sparrow**, which has not been confirmed as a breeding species in *Schuylkill* was heard at SGL #190 between Pine Grove and Rock on 6/22. Our latest report ever recorded of a straggling **Evening Grosbeak** came in from NR on 5/6 (LG/DW).

Snyder County

Pat and Dick Williams found a ♀ **Canada Warbler** at Tall Timbers on 6/28 giving its chipping call rather than its song. Also found a **Solitary Vireo** nest on the same day at the same location. Earlier in June (6/13) they had noted **Least Flycatcher** at Faylor and Walker lakes singing enthusiastically and behaving aggressively toward other birds. Robert Gutheinz had noticed these birds as well on 6/11. Unfortunately they could not be relocated by the Williams on 6/28. We'll hope the birds were just already quietly nesting by then, but who knows.

The warbler and the flycatcher were 1st nesting records, if they were successful.

Somerset County

First record of a **Great Blue Heron** rookery (6 nests) found by Dick Byers. A ♀ **Hooded Merganser** was using a nest box at Somerset L. in June.

Osprey faced a hostile summer, with 1 shot at High Point L. and a nest disrupted at Somerset L. (Anthony Marich).

Upland Sandpiper seem to be doing well, with another new nesting site at St. Paul (AM) and old nest sites doing well (SB). **Black Tern** were present at Somerset L., with 13 on 5/12 (Bob Leberman) and 2 on 5/13 (Jeff & Lauretta Payne). A "**Brewster's**" **Warbler** was an unusual treat on 5/17 (JP) near Somerset. **C. Raven** are nesting in areas with human activity (ph. AM), such as highwalk of coal mines and on the booms of a dragline.

Sullivan County

"The winter that did not want to leave" best describes this quarter's weather. While the actual winter season was mild, it continued throughout most of the quarter. One or two seasonal weather days were followed by temperatures in the 30s and low 40s with wind chills often in the 20s! Lack of spring rains also contributed to an unseasonable spring. Expected seasonal temperatures did not remain until early

June. No significant effect upon species arrival. As usual a mixed bag - some early, most on time and a few later than normal.

Another good count for the NAMC. Second highest for the 4 years with 102 spp and 2899 individuals.

Pied-billed Grebe were hard to find with only one sighting in late April (NK). Two, rare here, **Double-crested Cormorant** frequented Eagles Mere and Hunter's Lakes between 5/7-10 (NK, HR). An **Am. Bittern** (possibly 2) was present on 6/29 at Splashdam Pond with a possibility of nesting (SC). A colony of 17 **Great Blue Heron** on SGL #13 had at least 6 active nests (NK).

A believed 1st Co. record for **Mute Swan** at an Eldredsville lake on 5/1 and continued through the quarter at other nearby impoundments (PSS). **Canada Goose** was everywhere! Even the smallest farm ponds throughout the county had at least one pair (NK). A high count of **Hooded Merganser** (adults and young) was made 5/28 at Splashdam Pond (SC).

Osprey was present from 4/18+ at various locations (NK). This has been constant the last few years. Will they one day soon make the Endless Mountains home? **Golden Eagle** was sighted flying over Eagles Mere 5/7 (FC) and a late or wandering adult **Bald Eagle** on 6/13 at Sones Pond (RS).

Three (believed unmated) ♂ **Yellow-bellied Flycatcher** were present in Wyoming SF during the latter part of the quarter (DG). The song of a **Carolina Chickadee** was heard at Estella on 5/24 (RMi). The "real McCoy" or a **Black-Capped** (or hybrid) that picked up a southern accent? A single **Swainson's Thrush** lingered in Wyoming SF in the latter part of the quarter (DG).

Most expected warblers (residents and migrants) were present, but generally no notable numbers for any species. One exception was at least 6 **Mourning Warbler** found on a group outing on Wyoming SF on 6/29 (SC, m.ob.). **Indigo Bunting** were in higher numbers (migrants and breeders) with numerous comments from observers of birds frequenting their feeders from mid-May+ (NK m.ob.). It appears that they, as well as the Mourning Warbler, are taking advantage of the more open forested ridge tops—the result of high tree mortality from previous years' insect defoliation. **Rose-breasted Grosbeak** were also very common at area feeders from mid-May through June. **Evening Grosbeak** took advantage of the lingering winter weather with 10 sighted in Eagles Mere on 4/8 (FC).

Tioga County

A **European Goldfinch** was seen and video-taped at the residence of Ken and Jan Davis on 5/14. Copy of video sent for PORC.

Union County

Sparrows made a good showing, with a **Clay-colored Sparrow** located by Joe Southerton of particular interest (†Allen Schweinsberg, ph. JS). Allen also investigated and confirmed a report of a **Least Bittern** in Kelly Twp on 6/12.

I enjoyed the serendipitous discovery of a large flock of **Am. Pipit** (later joined by a **Horned Lark**) when I stopped to ascertain what a crow was finding to eat in an Amish field. Only with the binoculars up did I notice the ground seeming to move here and there and see the pipits which were otherwise invisible. The farmer, about to plow some

of the manure under, also enjoyed seeing the birds, but his children would not even hold the binoculars and I think found our fascination with their field bewildering.

The warbler migration seemed more protracted than last year, but enjoyable as usual. I have difficulty staying in my county during this time and made a visit to Presque Isle SP (very enjoyable in spite of chilly temperatures). Fortunately the local pair of **Killdeer** in Lewisburg had managed to successfully fledge 2 chicks before it became time to mow the ball field. I even got to observe downy fuzz ball chicks scurrying after their parents avoiding the mower on 5/1. Spring had come!

Venango County

Weather-wise it was a lousy spring, cold and wet. Probably as a result of this the birds were late in returning, but eventually they did make it back. Highlights of the season: Many waterfowl were late in returning, numbers about average. We recorded our 2nd and 3rd breeding **Hooded Merganser** records with a ♀ and 2 young at Polk wetlands on 6/8 (GE,RS) and a ♀ w/ 8 young at Oil City SP on 6/15 (RS).

First documented breeding of **N. Harrier** on 6/8 at Bullion Fields (JS,KG,RS) when a nest w/ 1 egg was found. However, on 6/14 nest still had one egg and appeared abandoned. The ♂ harrier was still seen in vicinity through at least July and because of the possibility that we had caused the nest abandonment we did not search any further for another nest. Another pair possibly bred near Kahle L. They were seen regularly through May and relocated in late July. Numbers of both **Red-shouldered** and **Broad-winged hawks** were down. Both were rarely seen all quarter.

Shorebird numbers were about average for here. This should increase next quarter as we now have a small wetlands at Polk with a pond and shore created by PGC.

Cuckoos very low numbers. Possible breeding of **Short-eared Owl** at Bullion Fields. Found at the same time as N. Harrier but no nest was located. Eventually had three owls (2 ad. & 1 young??) at this sight.

Great Crested Flycatcher numbers were up. Other flycatchers about average to slightly less than average. Most warblers were later than average. We recorded 33 spp. this quarter. **Golden-winged** and **Chestnut-sided warblers** and **Louisiana Waterthrush** numbers were down. **Wilson's** came through in above average numbers. **Yellow-throated** continue to expand range.

The only new bird for the county this year was a ♀ **Blue Grosbeak** on Waitz Rd on 5/17-18 (JS).

Grasshopper Sparrow numbers down slightly, while **Henslow's** were extremely abundant in the fields where they breed. Both **White-throated** and **White-crowned** were late and in low numbers.

Warren County

Double-crested Cormorant were often seen on the Allegheny R. in April, and twice in May, including 40 on 5/9 (BH, CP, BW, DW). A **Hooded Merganser** with 3 young were on Conewango Cr. near Akeley 6/12 (TG).

Three active **N. Goshawk** nests were found in *Warren* (JK, DW, SW, PI). A **N. Saw-whet Owl** was in Saybrook 4/1-12 (CMN), and a pair nested again near Sanford (DP). Two **Red-headed Woodpecker** continued to stay in Pleasant Twp where they spent the winter. (DW).

Three **C. Raven** nest sites in *Warren* and *Forest* were occupied this spring (TG). A **N. Mockingbird** was seen 5/1 in Pleasant Twp (DW).

Yellow-throated Warbler were reported 4/15 at the Newbold Estate, Anders Run, and the Buckaloons Rec. Area, all near Irvine. A "**Lawrence's**, 2 **Yellow-throated**, and a **Kentucky** were at the Newbold Estate 5/17. (MG, BW, DW). This is the 2nd Co. record for a **Kentucky Warbler**. Late migrating **Blackpoll** and **Connecticut warblers** were among 15 spp. found 6/8 on a forest road near the Seneca Pumped Storage Res. (JF, BHa). The **Connecticut** is a 1st Co. record. Rarely-seen **Pine Warblers** were seen 3 times 4/2-19 in three areas (MG, BW, DW).

Washington County

The trio of John Fedak, Deuane Hoffman, and Joyce Hoffmann were working on their county lists on 4/20 and found the following at Cross Creek L.: 2 **C. Loon**; 6 **Tree** and 1 **Barn swallow**; and 1 **Great Blue Heron**.

At Enlow Fork near Burdette: 2 **Yellow-throated Warbler**; 3 **N. Parula**; and 1 **N. Rough-winged Swallow**. At E. Findey: 1 **Brown Creeper**; a **Cooper's Hawk**; and **N. Flicker**. And near Burgettstown, a **Swamp Sparrow**.

Westmoreland County

A **Snowy Egret** found at Trout Run Res. near Ligonier 4/16 by Bob Shaw (and observed later that day by Bob Leberman and Bob & Bonnie Mulvihill) was an addition to the *Westmoreland* species list. A 2nd addition to the list was that of a **Sandhill Crane** seen by Don Koch at a marsh along Little Sewickley Cr. 4/30.

The only **Am. Bittern** report came from Powdermill 4/19-20 (m.o.), and the only **Bald Eagle** was at Mammoth Park 5/16 (D. Lauffer). K. Byerly had an exceptionally high spring count of 15 **Semipalmated Plover** at Keystone Park 5/30, and he found 2 **Willet** at Trees Mills 5/8. Two other good shorebird counts were of 12 **Solitary Sandpiper** at Powdermill Nature Reserve 5/1 (Leberman), and 15 **Least Sandpiper** near Mammoth Park 5/10 (KB). A **Short-billed Dowitcher** was a rare spring find at Beaver Run Res. 5/5 (DL).

A **Whip-poor-will** netted at Powdermill 5/15 was the first banded there in over 30 years. Two **Sedge Wren** were located during a *Westmoreland* Bird Club walk near Latrobe 5/14 (m.o.); later, Tim Vechter located an unoccupied nest and also photographed the wrens which remained in the area for about a month. A "**Brewster's Warbler**" was at Mammoth 5/11 (DL), and a **Connecticut Warbler** at Delmont 5/21 (KB). An extremely early **Hooded Warbler** appeared at Ligonier 4/14 (Mulvihill), and on the same date Jim Pemberton found the season's only **Prothonotary Warbler** at the Bridgeport Dam wetlands.

Wyoming County

Nine **Brant** were seen by J. Hoyson and Rick Koval at Harveys L. (*Luzerne*) on 5/13. They took flight and flew N into *Wyoming*, which is about ¼-mile from the place on Harveys L. where they were seen.

A fully plumed **Great Egret** was at Phelps Swamp on 5/2. It is an unusual find at this date and at a site far removed from the River.

An ad. **Forster's Tern** patrolled an area of the river

about ¼-mile long at my home in S. Eaton on 6/14. It kept flying up and down the river for at least two hours. Sometimes it was as close as 75'. Unprecedented!

At L. Carey on 5/10, a flock of mixed **swallow** perched on the wires between two telephone poles included all 6 species regularly found in Pa. **Carolina Wren** was very scarce. Two at Dixon were the only ones reports.

Although **Cedar Waxwing** sometimes winter here, they were not found this past winter.

York County

Our Century Run was held 5/10 and produced 147 spp.

From the 10 **Black-crowned Night-Heron** nests at Kiwanus L. and abundant number of imm. Were seen through June (AS). A pair of **Mute Swan** on secluded Newman's Pond: 2 young took their first tour of the lake 6/4 (JC).

On 4/8 Ramsay Koury saw a **Eur. Wigeon** at Gifford Pinchot SP with a group of **Am. Wigeon**. A **Rough-legged Hawk** was seen from Cheryl's wetland 5/10 (rather late). The **C. Ravens** at Pigeon Hills microwave tower produced at 2 fledglings (KL).

A **Golden-crowned Kinglet** was at Brunner's I. 6/13 (AS). On 6/7 Dave Kubitsky saw a **Brewster's Warbler** with a **Blue-winged** at Spring Valley CP. After missing them last year, a **Prothonotary** was at their generally normal location on Gut Rd. from 5/18+ (J&JP).

Jeff Pheasant saw a **Summer Tanager** near Ski Roundtop (Pinetown Rd) 6/17. **Savannah Sparrow**, usually easy to find especially in summer, were scarce.. ♣

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The *Birder* hearing aid has now been successfully fitted to birders in more than a dozen states and Canada. Call or write for details. Imagine hearing again those species which have been eluding your ears for some time now. Blue-winged Warbler and Grasshopper Sparrow may return to your "heard" list!

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

**JERRY BOOK
BILL BOYLE
ANN L. PAPADA
CHRISTINE SCIOCCHETTI
WALTER L. SHAFFER*
HARRY W. TODD*
WILLIAM UHRICH**

*Designates Patron (contribution of \$50.00 or more)

SEASONAL OCCURRENCE TABLES - APRIL THROUGH JUNE 1997

	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BRADFORD	BUCKS	BUTLER	CAMBRIA	CARBON
LOON, RED-THROATED	5/31	-	-	-	-	-	-	-	4/13	-	-	-
COMMON	-	4/7	-	-	4/19(5)	4/5-5/9(30)-18	-	4/18	A	→4/10(25)	→4/9(10)-5/15	A
GREBE, PIED-BILLED	-	→4/3(5)-5/2	-	4/20	4/21-5/7	→4/5(48)→	-	-	→4/6	→5/10	→4/7(3)	A
HORNED	-	4/18(2)	-	→4/20(3)	4/19-6/7	→4/5(11)-29	-	4/18	-	→4/5(11)-5/8	→4/23(3)	→P
CORMORANT, DOUBLE-CRESTED	-	→4/24(5)-5/10	-	4/16(3)-5/10	4/19(3)	A-5/18(36)	-	6/2	A	→5/2(12)-11	4/1-5/15(18)	4/16→
BITTERN, AMERICAN	-	4/21	-	-	5/13	4/29-5/18	-	-	6→5/10	-	-	-
LEAST	-	-	-	-	5/18	4/29-5/18(3)→	-	-	5/17	-	-	-
HERON, GREAT BLUE	R	R	-	-	A	R	R	A	R	A	A	A
EGRET, GREAT	-	5/11	-	-	-	5/2-6/30	-	-	5/12-26	JUN	4/5-5/14	-
SNOWY	-	-	-	-	5/13	-	-	-	-	-	-	-
HERON, GREEN	P	A	-	5/4→	4/22-5/13(5)→	5/2→	A	5/3→	4/25→	4/27-5/2(5)→	4/5→	5/18→
NIGHT-HERON, BLACK-CROWNED	-	-	-	-	-	5/11→	-	-	4/26-5/17	-	-	-
SWAN, TUNDRA	4/28-6/30(2)	-	-	-	-	-	-	4/15-19	-	-	-	-
MUTE	-	-	-	-	4/19-5/7	R	-	-	A	-	4/11→	-
GOOSE, SNOW	-	-	-	-	-	→6/30	-	-	→6/21	-	-	-
CANADA	R	R	R-4/10(84)	-	R	R	R	R	R	R	R	R
DUCK, WOOD	A	R	A-5/12(8)	A	A-4/1(29)	A-6/28(60)	R	A	R	A-4/3(24)	A-4/21(13)	A
TEAL, GREEN-WINGED	-	→5/6	-	-	-	→4/11(6)-29	-	4/18	→4/6(10)	→4/27	-	-
DUCK, AMERICAN BLACK	-	R-4/4(15)	-	-	-	→4/5(20)-5/8	-	→4/6(20)	R	→4/3(7)-27	-	-
MALLARD	R	R	R-5/9(15)	-	R	R	R	R	R	R	R	R
PINTAIL, NORTHERN	-	-	-	-	-	4/1(6)-25	-	-	-	-	-	-
TEAL, BLUE-WINGED	-	→6/28(9)	-	4/20	4/17-25(11)-5/13	→4/25(8)-5/18	-	-	-	A-4/27(15)	4/11-17(22)-5/14	-
SHOVELER, NORTHERN	-	-	→5/4(3)-9	-	4/19	→4/20	-	-	4/8	4/3(3)-5/8	4/2-5/9	-
SHOVELER, NORTHERN	-	4/4(3)	-	4/20(6)	-	→4/5(20)-6/21L	-	-	4/6(4)	4/3(6)	→4/17(10)	-
GADWALL	-	→4/27	-	-	6/7	→4/5(15)-5/10	-	-	4/6-12	4/3(30)	4/7-28(5)-5/2	-
WIGEON, AMERICAN	-	-	→4/21(8)	-	4/19(4)-25	→4/5(33)-5/10	-	-	-	4/17	4/17	-
CANVASBACK	-	-	-	-	-	→4/5(11)-12	-	-	-	-	-	-
REDHEAD	-	→4/4	-	-	4/19(12)	→4/5(100)-29	-	→4/6(34)	-	→4/5(100)	→4/17(7)-6/9	→5/9
DUCK, RING-NECKED	-	-	→4/21	-	-	4/5(22)-29	-	-	-	→4/5(6)	-	-
SCAUP, GREATER	-	→4/3(SP)	-	4/20	4/25(20)	→4/5(4)-5/3	-	-	→5/17	4/5	→4/9(22)-17	-
LESSER	-	-	→4/21(3)	-	-	-	-	-	4/28(5)	5/2	4/9-11(4)	-
OLDSQUAW	-	-	4/18	4/20	4/25-5/3(2)	5/9(3)	-	-	5/22(3)	-	-	-
SCOTER, SURF	-	-	-	-	-	-	-	-	-	-	-	-
WHITE-WINGED	-	-	-	-	-	-	-	-	-	-	-	-
GOLDENEYE, COMMON	-	-	-	-	-	→4/1	-	-	-	-	-	-
BUFFLEHEAD	6/11	→4/9(6)-26	→4/21(54)	-	-	→4/18(20)-29	-	→4/18(9)	→4/26	→4/5(35)-5/10	→4/17(115)-5/2	-
MERGANSER, HOODED	-	A	-	-	→5/13	→4/5(3)-6/1L	-	A-5/16(13)	→4/12	A-4/5(6L)	5/2	-
COMMON	6/11	-	-	-	5/3	→4/5(12)-5/10	-	R	R	-	→4/14(20)-6/24L	A
RED-BREASTED	-	→4/26	→4/10(34)-28	4/20(4)	-	→4/1(6)-5/10	-	-	→5/17	→4/5(80)-5/10	→4/14(20)-6/24L	-
DUCK, RUDDY	-	4/3(13)	-	-	-	A-4/5(61)	-	6/2L	→5/17	→4/5(130)-6/29L	4/17(27)	-
VULTURE, BLACK	R	6/30	-	-	4/18(3)	R	-	-	R	-	-	-
TURKEY	R	A	A	A	R	R	A	A	R	A	A	A
OSPREY	-	4/7	4/12-5/7	-	4/17-5/7	→5/10(10)-6/24	-	4/19	A	A	4/17-5/7	4/19
EAGLE, BALD	5/21	5/16	4/18	-	5/19	4/16-6/19	-	4/19	A	R	-	-
HARRIER, NORTHERN	-	A	6/15	-	4/6	4/12-5/10	-	4/6	→5/29	-	→4/7	A
HAWK, SHARP-SHINNED	-	R	R	-	5/10	-	R	-	R	A	R	A
COOPER'S	-	R	R	-	-	R	R	-	R	A	R	A
GOSHAWK, NORTHERN	-	-	-	-	-	-	R	-	5/27	A	-	A
HAWK, RED-SHOULDERED	P	R	-	-	5/10	4/25	R	-	4/26-5/17	A	A	-
BROAD-WINGED	-	4/23→	4/18→	4/20→	-	4/12-27(46)→	P	P	4/13→	A	4/16→	A
RED-TAILED	R	R	R-5/8(4)	R	R	R	R	R	R	R	R	R
EAGLE, GOLDEN	-	-	-	-	-	4/16(2)	-	-	-	-	-	-
KESTREL, AMERICAN	R	R	R	R	R	-	R	R	R	R	R	R
MERLIN	-	-	-	-	-	4/26	-	-	5/10	-	-	-
FALCON, PEREGRINE	-	R	-	-	-	-	-	-	5/17	-	-	-
BOBWHITE, NORTHERN	-	-	-	-	-	-	-	-	R	6/14	-	-
RAIL, VIRGINIA	-	-	-	5/10	-	5/18(4)→	-	5/16→	4/27(5)-5/17	5/10(2)	4/7-6/5(3)→	-
SORA	-	-	5/12(2)	-	5/13(4)	4/29-5/18(4)-23	-	-	5/17	4/3E-5/10	5/5→	-

SEASONAL OCCURRENCE TABLES - APRIL THROUGH JUNE 1997

	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BRADFORD	BUCKS	BUTLER	CAMBRIA	CARBON
MOORHEN, COMMON	-	-	-	-	5/13	-	-	-	5/1(4)-17	-	-	-
COOT, AMERICAN	-	-4/4(12)-5/10	-	-	4/19(41)-5/3	-	-6/4(3)	-	-	-	-	-
PLOVER, BLACK-BELLIED	-	5/16(2)	-	-	-	-	-	-	-	-	-	-
SEMPALMATED	-	5/5(3)-6	5/8(4)	-	5/13-18(10)	-	-	-	5/16-20	-	5/4-11	-
KILLDEER	R	A	A	A	R	R	A	A	R	A	A-4/12(12)	A
YELLOWLEGS, GREATER	P	4/5-5/16	5/8	4/26	5/13(3)	-	-	-	4/23(3)-5/17	4/27(7)-5/10	4/11-5/5(5)-7	-
LESSER	P	5/1-20	5/8	5/10	5/13(4)	4/13-5/5(13)-18	-	-	4/23(4)-5/20	-	4/28(5)-5/12	-
SANDPIPER, SOLITARY	P	5/1-7(50)-18	5/3-8	5/1-11	5/13	5/2-10(19)-6/29	-	-	4/29-5/24	4/27(3)-5/14	5/2-7(14)-21	-
SPOTTED	P	A	5/4-11(5)→	5/3	4/25	4/29(3)→	-	P	4/8→	P	4/28-5/7(21)-22	5/3→
UPLAND	4/7-6/21(7)→	-	-	-	-	-	-	-	-	6/14	-	-
TURNSTONE, RUDDY	-	-	-	-	5/18	-	-	-	-	-	-	-
SANDPIPER, SEMPALMATED	-	5/1-10(6)-15	-	-	5/13(13)	5/11	-	-	5/7-17	-	-	-
LEAST	-	5/10(34)-16	5/8(5)	-	5/7-13(13)	5/8-16(18)-18	-	-	5/1-24	5/8	5/2-12(7)-14	-
WHITE-RUMPED	-	5/10(8)-16	-	-	5/18(7)	5/29	-	-	-	-	-	-
PECTORAL	-	5/8-11	-	-	5/13	-	-	-	-	-	-	-
DUNLIN	-	5/5-25(35)	-	-	5/13(7)	-	-	-	5/15	-	5/4	-
DOWITCHER, SHORT-BILLED	-	5/15(27)	-	-	5/18(10)	5/10	-	-	-	-	5/12	-
SNIFE, COMMON	4/3(3)	A-4/8(4)	-	4/4-20	5/13	-	-	-	-	4/3(12)→	-	-
WOODCOCK, AMERICAN	A	A	A	-	-	A	A	-	A	A	-	-
PHALAROPE, WILSONS	-	5/6-10	-	-	5/10	5/15-17	-	-	5/3(200+)-19	-	-	-
GULL, LAUGHING	-	-	-	-	-	-	-	-	4/9(3)-24	-	4/9-17(7)-5/5	-
BONAPARTES	-	4/10(15)-19	4/21(20)-24	-	5/13(110)	-	-	P	A	A-5/11(10)	A-5/12(200)	P
RING-BILLED	-	→5/10	→5/9(350)-12	A	5/10(49)	A	-	-	A	-	4/28	P
HERRING	-	R	→5/11(5)	5/4	-	→4/26	-	-	A	-	-	P
GREAT BLACK-BACKED	-	-	-	-	-	-	-	-	→5/17	-	-	-
TERN, CASPIAN	-	-	-	-	5/29(2)	-	-	-	-	-	4/11	-
COMMON	-	5/25	-	-	-	-	-	-	5/10	-	-	-
FORSTER'S	-	5/25(6)	-	-	-	-	-	-	5/20	-	4/17-5/27	-
BLACK	-	5/15→	-	-	-	5/9-6/14(7)	-	-	-	5/24(3)	5/26-6/19L	-
CUCKOO, BLACK-BILLED	5/31	5/15→	6/7→	5/22→	5/26→	5/3→	5/19→	6/20(3)	5/5→	5/14→	6/2(4)→	5/24→
YELLOW-BILLED	6/3	5/16→	5/23→	-	5/26→	5/10→	5/20→	P	5/10→	5/14→	6/19→	-
OWL, BARN	R-6/19(7)	-	R	-	-	R	R	-	R	R	-	-
BARRED	R	R	R	-	R	R	R	R	5/17	R	R	-
LONG-EARED	-	-	-	-	-	-	-	-	4/17-6/12	-	-	-
SHORT-EARED	-	A	-	-	-	-	-	-	-	-	-	-
NORTHERN SAW-WHET	-	-	-	-	-	-	-	-	-	-	-	-
NIGHTHAWK, COMMON	-	5/19→	-	6/1→	-	5/18(3)→	-	6/3	65/10→	P	-	-
WHIP-POOR-WILL	6/3(3)	-	JUN(3)	-	5/10(3)→	6/6→	5/11→	6/17	4/17	6/27	-	6/7→
SWIFT, CHIMNEY	P	64/26→	-	4/15→	5/1(8)→	4/24→	5/15→	P	4/26→	P	4/29→	5/10→
HUMMINGBIRD, RUBY-THROATED	P	5/1→	5/3-6/29(7)→	5/7→	4/30→	5/2→	4/29→	P	5/1→	4/27→	5/5→	5/10→
WOODPECKER, RED-HEADED	R	5/15-26	5/5-17	-	5/10→	R	R	-	R	5/10	5/5	-
SAPSUCKER, YELLOW-BELLIED	-	→5/10	5/5	-	-	-	-	-	4/6-5/10	4/5-16	-	4/12
FLICKER, NORTHERN	R	R	R	A	R	R	R	A	R	A	R	R
FLYCATCHER, OLIVE-SIDED	-	65/19	-	5/20→	5/10	5/18-6/8	-	-	5/12	-	-	-
WOOD-PEWEE, EASTERN	P	5/19→	5/12-6/23(9)→	5/18	5/10→	5/5→	5/20→	6/20(8)→	5/17→	5/10→	5/18→	5/18→
FLYCATCHER, YELLOW-BELLIED	-	5/8→	6/7(13)→	5/19→	5/10(22)→	5/22-23	5/20→	-	5/5	5/25	-	-
ACADIAN	6/11(5)	5/8→	5/23→	5/19→	-	5/11→	5/20→	-	5/17→	5/8→	5/18→	-
ALDER	-	-	-	-	-	-	-	-	6/2(3)→	JUN	6/27	-
WILLOW	6/9	6/11→	65/15→	5/11→	-	5/21→	5/20→	6/2(3)→	5/15→	5/8→	5/15→	5/24→
LEAST	-	5/1-20	5/13→	A	5/15→	5/8-14	5/18→	6/2(5)→	5/10=17	5/8→	5/9→	5/24→
PHOEBE, EASTERN	P	A	A-6/23(9)	A	A	A	A	A	A	A	A	A
FLYCATCHER, GREAT CRESTED	P	5/3→	5/24→	5/18→	5/6-10(4)→	5/3→	5/5→	6/2(5)→	P	5/10→	5/22→	-
KINGBIRD, EASTERN	P	5/1→	5/12→	5/18→	5/19→	5/3→	5/18→	P	4/27→	5/2→	P	5/18→
LARK, HORNED	-	R	A-6/23(17)	-	-	A-4/4(400)	-	-	-	A	R	5/24→
MARTIN, PURPLE	6/11(19)	4/28→	5/10→	5/10→	4/4-5/23(21)→	4/3→	-	-	5/4→	4/5→	5/29	-
SWALLOW, TREE	P	4/9(200)→	A-4/24(10)	4/20→	4/2-25(250)→	A	4/26→	A-4/18(400)	A	A	A-5/9(1000)	A
NORTHERN ROUGH-WINGED	P	4/16→	4/21(4)→	4/15→	5/10	A	-	-	4/6→	P	4/17→	5/3→

SEASONAL OCCURRENCE TABLES - APRIL THROUGH JUNE 1997

	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BRADFORD	BUCKS	BUTLER	CAMBRIA	CARBON
BANK SWAINSONS	6/9(23)	5/6-10(1615)-11	5/9	-	5/10(50)→	4/29→	-	-	5/4→	5/11(200)→	5/12(30)	5/3→
CLIFF SWAINSONS	-	6/29	-	-	6/24	4/26→	-	-	4/19→	P	4/25-5/10(100)→	5/3→
BARN SWAINSONS	P	4/9→	4/21-5/8(19)→	4/20→	4/4→	4/5→	5/3→	P	4/3→	P	4/17→	6/4/27→
CROW, FISH EATER	-	-	-	-	5/10(3)→	A	R	R	R	-	-	R
RAVEN, COMMON	-	-	-	-	5/10→	4/27-5/10	R	R	-	-	R	-
CHICKADEE, BLACK-CAPPED	R	R	R	R	R	R	R	R	R	R	R	R
CAROLINA CHICKADEE	R	R	R	R	R	R	R	R	R	R	R	R
NUTHATCH, RED-BREASTED	-	A	-	-	-	5/12-23	-	-	-	-	5/14	-
CREEPER, BROWN	-	→4/13	R	5/10	-	A	R	P	→5/17	P	R	-
WREN, HOUSE	P	4/24→	5/13→	4/26→	5/10→	4/15→	4/29→	6/20(22)→	4/19→	4/27→	5/5→	5/24→
WINTER WREN	6/9-21(4)-30	→5/4	-	6/4/26	-	A	-	P	→4/26	6/7→	-	-
MARSH WREN	-	-	-	-	5/13(6)→	5/3	-	6/20	5/17	-	4/23	-
KINGLET, GOLDEN-CROWNED	-	→4/13(4)	→4/5(5)-5/4	-	-	→5/10	-	-	→4/12	-	→4/9(3)	4/12
RUBY-CROWNED KINGLET	-	→5/18	4/18-5/8	4/10(6)-5/4	4/2-19(8)-21	→5/10	-	-	→5/17	→5/16	4/9-23(16)-5/8	-
GNATCATCHER, BLUE-GRAY	P	4/26→	4/27-5/8(8)→	4/20→	4/19→	4/6→	5/1→	P	4/8→	P	4/23	4/27→
VEERY	P	A	5/13→	5/4→	P	5/3→	5/13→	6/20(6)→	4/15→	5/8→	5/15→	5/10→
THRUSH, GRAY-CHEEKED	-	5/17	-	-	-	5/18-24	-	-	5/9-17	5/25(5H)	-	-
SWAINSONS	-	4/27-5/26	5/23	5/10-27	5/10	5/10-23(10)-27	-	-	5/10-21	5/25(3)	-	-
HERMIT SWAINSONS	-	→5/11	5/13(3)	4/19	4/29(3)-6/24	A	R	P	→5/10	-	4/10→	4/12
WOOD PECKER	P	5/3→	5/3-29(10)→	5/4→	5/11→	5/1→	4/12→	6/20(18)→	4/30→	5/8→	4/23	6/5/3→
ROBIN, AMERICAN	R	R	R-6/23(60)	A	R	R	R	A	R	A	R	R
CATBIRD, GRAY	P	5/2→	5/3→	4/17→	5/2(4)→	A	4/16→	6/20(22)→	4/27→	5/2→	5/5→	A
THRASHER, BROWN	-	4/6→	4/25→	5/10→	4/16→	4/12→	5/20→	P	A	A	4/21→	5/3→
PIPET, AMERICAN	4/3(9)	→4/9-5/10(43)-16	4/18(35)	-	-	4/2-23(50)	-	-	-	-	-	-
VIREO, WHITE-EYED	-	5/1→	5/13→	5/9→	5/3→	4/30→	-	6/2	5/4→	P	5/19-25(6)	5/3
SOLITARY TROOPER	-	4/26-5/4(3)-21	4/26→	4/26	6/24	4/12→	-	P	4/29-5/17	4/10	4/15→	4/12
YELLOW-THROATED VIREO	-	4/30→	5/8→	5/6(3)→	4/29→	5/2→	-	6/2(4)→	6/5/4→	4/26→	-	-
WARBLING VIREO	-	4/30→	6/7→	5/4→	-	5/2→	-	6/20(6)→	5/4→	5/3→	-	-
PHILADELPHIA VIREO	-	6/5/4-26	5/21(3)	-	-	-	-	-	5/10-17	5/13	-	-
RED-EYED VIREO	P	5/3(3+)→	5/21→	5/1(3)→	5/10→	4/29→	5/16→	6/20(30)→	4/30→	5/10→	5/12→	5/18→
WARBLER, BLUE-WINGED	P	4/30→	4/29	5/4	5/7(5)	5/9	-	-	-	-	5/18	5/18→
GOLDEN-WINGED WARBLER	-	5/4→	5/9→	-	-	5/3-27	5/11	-	-	-	5/18	5/18
TENNESSEE WARBLER	-	5/6-26	5/8-24	5/10-20	-	-	-	-	5/17-24	5/26(2L)	5/18	5/18
ORANGE-CROWNED WARBLER	-	-	-	-	-	-	-	-	-	5/10(2)	-	-
NASHVILLE WARBLER	5/13(7)	4/29-5/17(3+)-23	5/8(4)-24	5/4-13	5/7-6/7	5/10-18	5/11	6/2	6/5/4-17	5/10-16	-	-
PARULA, NORTHERN	5/11	5/8-17(4)-26	5/29→	5/13	4/26-5/7	4/30→	5/11	-	4/26→	5/24(3)-26	-	-
WARBLER, YELLOW	6/3(4)→	4/29→	5/4→	5/4(5)→	4/29→	5/1→	-	6/2(50)→	5/4→	P	5/2→	5/3→
CHESTNUT-SIDED WARBLER	5/9(5)→	5/1-18(8)-27	5/8-23(42H)→	5/4(6)→	5/10→	5/1-18(13)→	-	6/2(3)→	4/25→	P	5/9→	5/10→
MAGNOLIA WARBLER	5/11	5/4-18(12)-31	5/8-23(20)-26	5/4(4)-21	-	5/1-24(13)	-	-	5/7-18	5/8-6/5	5/12(3)-22	5/24
CAPE MAY WARBLER	5/28(5)	5/5-13	5/4-13	5/11-20	-	5/18	-	-	5/6-17	5/10	-	5/18
BLACK-THROATED BLUE WARBLER	P	5/1-22	5/8-14	5/9	-	5/1-6/1	-	-	5/6-17	5/8-11(5)-24	5/12-6/16	5/24
YELLOW-RUMPED WARBLER	-	4/13-5/10(22)-26	5/3-8(21)-12	4/19(6)	5/10(22)	→5/18	-	P	→5/17	4/27-5/16(4)	4/15-5/22	4/27→
BLACK-THROATED GREEN WARBLER	P	4/22-5/17(3+)-26	5/8-13(5)→	5/3	6/24	4/27→	-	P	5/7-17	4/26(7)→	4/23→	5/10→
BLACKBURNIAN WARBLER	5/14(3)	4/30-5/4(5)-27	5/9-16(4)→	5/10-21	5/7-15	5/1-27	-	P	5/4-28	5/10(3)→	5/22(3)-6/14	5/10
YELLOW-THROATED WARBLER	-	4/11→	5/21→	4/26	-	5/9-17	-	-	5/9-17	5/10(4)→	-	-
PINE WARBLER	6/5(28/4)	4/20-5/10	4/21→	4/29-5/10	-	4/11→	-	-	A	-	4/9-21(3)	-
PRAIRIE WARBLER	5/31-6/3(11)→	5/1→	6/24→	5/9→	4/29	4/26→	-	6/20(4)→	5/2→	5/10→	-	5/3→
PALM WARBLER	-	5/1-11(5)	5/8	5/4-19	-	4/5-6(3)-5/10	-	-	→5/10	5/10(10)-11	4/25-5/5	4/27
BAY-BREASTED WARBLER	-	5/6-26	5/21(4)-23	5/14	-	5/13-18	-	-	5/17	5/26	-	5/24
BLACKPOLL WARBLER	-	5/11-6/5	5/13	5/14(3)	-	5/10-6/5	-	6/2L	5/10-6/7	5/26	-	5/24
CERULEAN WARBLER	5/24-6/7(9)→	5/1→	5/8→	5/4	5/10	5/3-9(7)→	-	-	5/6→	5/8→	5/12	-
BLACK-AND-WHITE WARBLER	5/2-31(4)→	4/1→	4/26-5/23(5)→	4/19→	5/10→	4/20→	-	P	4/30→	5/10(13)→	5/9→	5/3→
REDSTART, AMERICAN WARBLER	5/2-31(6)→	5/1→	5/2-8(7)→	5/4→	5/3→	5/1→	5/8→	6/20(10)→	5/1→	5/8→	5/5→	5/3→
WARBLER, PROTHONOTARY	-	-	-	-	-	5/9-24	-	-	-	5/10(4H)-6/14	-	-
WORM-EATING WARBLER	P	4/26→	P	-	5/10(8)→	5/2→	-	-	5/8→	5/10→	-	5/24→
OVENBIRD	P	4/27→	5/8-23(5)→	4/26→	5/7(8)→	4/26→	5/8→	6/20(33)→	5/2→	5/8→	5/5→	5/24→
WATER THRUSH, NORTHERN	-	5/3	5/8-13	5/4	5/10(3)	5/3-23	-	-	5/5-17	-	5/12	-

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	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BRADFORD	BUCKS	BUTLER	CAMBRIA	CARBON
LOUISIANA	P	4/2→	4/25→	4/4→	-	4/6→	4/10→	-	5/6→	A	5/1→	5/7→
WARBLER, KENTUCKY	P	5/3→	5/21-23(3)→	5/15→	-	5/3→	-	-	5/10→	5/10→	6/14→	-
MOURNING	5/31	5/13-26	5/21-26	5/22	-	5/18-31	-	-	5/28	5/28	5/15	-
YELLOWTHROAT, COMMON	P	5/1→	5/4-23(37)→	5/4→	5/2(5)→	4/26→	5/1→	6/20(37)→	4/29→	P	5/2→	5/3→
WARBLER, HOODED	P	5/1→	5/4-23(7)→	5/9→	-	5/3→	-	-	5/10→	5/10→	5/19→	5/10→
WILSON'S	-	5/10-18	5/21	5/17-26	5/12	5/12(3)-17	-	-	5/10-17	5/10	-	5/24
CANADA	P	5/16-26	5/21-26	5/17-26	5/21	5/10→	-	-	5/11-17	5/24-26	6/16(6)→	5/24
CHAT, YELLOW-BREASTED	5/31→	5/10→	5/13→	5/10→	5/3→	5/10→	-	-	5/12→	5/15→	5/15→	-
TANAGER, SCARLET	5/31(6)→	5/2→	5/8→	5/4→	5/10(24)→	4/28→	5/10→	6/2(6)→	5/4→	5/10→	5/12→	5/3→
GROSBEAK, ROSE-BREASTED	5/1→	5/1→	5/1-13(13)→	5/4→	5/1(3)→	5/1→	4/20→	6/2(11)→	4/29→	5/4→	5/2→	5/3→
BLUE	6/8→	5/19→	5/1→	5/10→	5/1-10(7)→	5/31-6/12	-	-	-	-	-	-
BUNTING, INDIGO	5/31(12)→	5/1→	5/1→	5/10→	5/1(3)→	5/2→	5/1→	6/20(28)→	5/1→	5/4→	5/7→	65/18→
TOWHEE, EASTERN	A	A	R	A	4/19→	A	A	6/2(9)→	A	A	4/9→	A
SPARROW, AMERICAN TREE	-	-	-	-	-	-	-	-	→4/19	→4/3(3)	→4/8	-
CHIPPING	P	A-4/26(50+)	A	4/4(4)→	4/6(12)→	A	A	P	A	A	4/8(13)→	A
FIELD	5/27→	4/26(50+)	6/15(17)→	-	4/17→	A-4/5(20)	A	6/20(11)→	R	A	4/9→	A
VESPER	5/27→	A-5/10(35)	5/8→	5/10→	-	4/22→	-	-	5/17	4/5→	5/3→	-
SAVANNAH	5/27→	4/26-6/30(48)→	4/29→	-	4/26→	5/10→	-	-	R	A	5/28→	-
GRASSHOPPER	-	4/26-6/30(39)→	6/8(9)→	-	-	-	-	6/20→	-	P	5/28(7)→	-
HENSLOW'S	-	5/17	-	-	-	→4/4(11)-15	-	-	-	P	5/28(4)→	-
FOX	-	4/27	-	-	-	4/30-5/18	-	-	→4/22	-	→4/14	P
LINCOLN'S	-	4/27	R	4/20(3)→	5/10(22)→	A	R	5/16(4)→	5/24	-	5/13	-
SWAMP	-	→5/10(80)-17	→4/27	-	→5/10(12)	-	-	-	R	4/3→	R	A
WHITE-THROATED	-	5/5-15	5/5-11	5/7	5/15	→5/14	-	-	→5/17	→5/10(26)	→5/14(12)	-
WHITE-CROWNED	-	→4/27	→4/3(7)-24	-	-	-	-	-	→5/24	P	-	P
JUNCO, DARK-EYED	-	5/6-10(21)→	5/8(8)→	5/10	5/10(4)→	5/10→	→4/28	R	→5/13	→5/3	→4/23	P
BOBOLINK	5/12(21)	A	A	A	4/19-5/10(70)→	A	A	A-6/20(100)	5/10→	P	5/16→	-
BLACKBIRD, RED-WINGED	A	A	A	A	4/19-5/10(70)→	A	A	A-6/20(12)	R	A	A	A
MEADOWLARK, EASTERN	A	A	A	A	4/19(5)	A	-	-	-	A	A	A
BLACKBIRD, RUSTY	5/11	-	4/11(3)	4/1	4/19(5)	5/10(2L)	-	-	→5/17	4/3(16)-5	4/9-17(60)-5/5	-
GRACKLE, COMMON	A	A	A	A	4/19→	A	A	A	R	A	A	A
COMBIRD, BROWN-HEADED	A	A	A-4/9(27)	A	4/3→	R	A	A	R	A	A	A
ORIOLE, ORCHARD	5/31→	5/3-6/28(9)→	5/15→	5/10→	5/5→	5/8→	5/12→	-	5/7→	5/5-17(5)→	-	5/24→
BALTIMORE	-	4/27→	5/6→	5/4(10)→	5/5→	5/2→	5/10→	66/2(22)→	5/4→	5/10→	5/5→	5/18→
FINCH, PURPLE	-	A	A-4/24(4)	5/7-12	5/10(27)	→4/20(5)-5/18	R	-	R	A	A-4/12(7)	-

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	CENTRE	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	CUMBERLAND	DAUPHIN	DELAWARE	ELK
PECTORAL	4/6-5/4	-	-	-	-	-	4/7-27(13)	4/10-5/15(12)-18	5/4	-	-
DUNLIN	-	-	-	-	-	-	4/14-5/17(17)-26	5/9(3)-18	5/20(23)-21	5/19(9)-27	-
DOWITCHER, SHORT-BILLED	6/2(6)-3	-	-	-	-	-	4/19-5/10(3)-12	-	5/18(9)	-	-
SNIPE, COMMON	4/7(3)-5/3	→4/19(30+)	→5/5	-	-	-	4/3-20(27)-5/10	→4/11(20)-5/12	→5/10	-	-
WOODCOCK, AMERICAN	A	A	A	A	A	A	A	A	A	A	A
PHALAROPE, WILSON'S	5/4	5/8(2)	-	-	-	-	5/4	5/15-18	-	-	-
GULL, LAUGHING	-	-	-	-	-	-	-	-	-	A	-
BONAPARTE'S	4/28(3)	-	→4/12(150)-5/6	-	-	-	→4/12(25)-20	4/12-17(9)-5/18	→5/4(35)-26	5/17	-
RING-BILLED	A	A-4/16(500)	A-4/16(500)	-	-	A-5/15(12)	A-4/20(550)	A	A	A	5/9(100)
HERRING	-	P	4/23	-	-	-	-	A	A	A	-
GREAT BLACK-BACKED	-	P	-	-	-	-	-	A	A	A	-
TERN, CASPIAN	4/12-6/17(4)-18	4/21	6/28(3)	-	-	-	4/19-5/15	4/24	4/6-6(20)(4)	-	-
COMMON	-	-	-	-	-	-	4/19-5/15(25)	-	5/1-11(12)-20	-	-
FORSTER'S	5/25	-	-	-	-	-	5/10-15	5/9	4/26-5/10(23)	-	-
BLACK	6/14	-	5/9-10	-	-	-	5/15-17(3)	-	5/9-18(9)-22	-	-
CUCKOO, BLACK-BILLED	P→	5/10→	5/27→	-	P	5/21→	5/18→	5/9→	5/2→	5/8→	P
YELLOW-BILLED	5/20→	P	5/28→	-	P	5/28→	6/23→	5/18→	5/10→	5/15→	P
OWL, BARN	-	-	-	-	-	-	R(3)	R	R	R	-
BARRED	R	-	R	R	R	R	R	R	R	R	R
LONG-EARED	-	4/17-24	-	-	-	-	-	-	-	-	-
SHORT-EARED	-	-	A-6/6(4)	-	-	-	-	-	-	-	A(4)
NORTHERN SAW-WHET	R	-	6/12-22	-	-	-	-	-	-	-	R
NIGHTHAWK, COMMON	P→	5/10→	6/18→	-	-	6/4→	5/18→	5/31→	5/10→	5/13-17(7)-24	5/23L→
WHIP-POOR-WILL	5/10(4)→	-	5/27→	-	P	5/15→	6/27→	5/10→	P	-	P
SWIFT, CHIMNEY	4/27→	4/26→	4/29-5/1(12)→	-	P	5/9(8)→	5/10(30)→	4/26→	4/28→	4/16→	5/15L→
HUMMINGBIRD, RUBY-THROATED	P→	5/13→	5/3→	-	P	5/4→	5/11→	5/5→	4/29→	5/3-17(6)→	P
WOODPECKER, RED-HEADED	A	4/21→	5/17-6/1	-	-	-	R	R	4/26-5/18	-	-
SAPSUCKER, YELLOW-BELLIED	4/11	4/4	4/2-11	-	R	5/13	R	-	→4/30	→43/8	P
FLICKER, NORTHERN	A	R	5/27(2)	-	R	R	R	R	R	R	P
FLYCATCHER, OLIVE-SIDED	5/24	-	-	-	-	-	-	-	-	5/13-20	6/1
WOOD-PEWEE, EASTERN	5/19→	5/18→	4/2→	5/27	5/19→	5/24→	5/12→	5/12→	5/4→	5/12-17(10)→	P
FLYCATCHER, YELLOW-BELLIED	5/19-31	-	-	-	-	-	5/22	-	5/26	5/21	-
ACADIAN	P→	5/10→	5/27	-	P	-	5/26→	5/19→	5/10→	5/13-17*10→	5/28
ALDER	5/27→	-	5/27	-	P	-	6/18	-	-	5/21	-
WILLOW	5/4→	5/18(5)→	5/27→	-	P	5/28→	6/23→	5/14-23(4)→	5/14→	5/19-26(8)→	P
LEAST	5/3→	5/18	5/18-6/28	-	5/23→	5/8→	5/11→	5/3-18	5/7→	5/18-30	4/4E→
PHOEBE, EASTERN	A	A	A	5/27	A	A	A	A	A	A	A
FLYCATCHER, GREAT CRESTED	5/1→	5/13→	5/27→	5/27	5/19→	5/6→	5/18→	5/9→	5/3→	5/5→	P
KINGBIRD, EASTERN	5/3→	5/2→	5/19→	-	P	5/5→	5/10-5/27(5)→	5/5→	5/5→	4/26-5/17(10)→	P
LARK, HORNED	A	-	R	-	A	R	4/6→	R	R	-	R
MARTIN, PURPLE	4/28→	4/15→	-	-	P	MAY→	4/9→	4/6	5/10-20	4/25-5/17(15)→	-
SWALLOW, TREE	A	A	4/3→	5/27	-	4/2→	A-4/20(3150)	A	A	A	P
NORTHERN ROUGH-WINGED	P→	4/15→	A	-	P	5/11→	4/20-5/15(6)-27	A	A	4/13-5/8(20)→	-
BANK	P→	P	6/19	-	P	5/21-6/4(100+)→	4/9-27(100)→	5/4-9(10)	5/1→	4/29-5/8(40)-13	-
CLIFF	P→	P	5/21→	-	P	4/28→	5/10→	5/9-21	5/3→	5/8-6/27(10)→	P
BARN	4/4→	4/15→	4/13→	-	4/28→	4/28→	4/20-5/10(200)→	A	4/19→	4/4-5/8(10)→	P
CROW, FISH	A	A	-	-	A	A	-	R	R	R	-
RAVEN, COMMON	R	-	A	-	R	R	-	R	R	-	R-6(23)(4)
CHICKADEE, BLACK-CAPPED	R	-	R	5/27	R	R	R	R	R	4/5-25	R
CAROLINA	-	R	-	-	-	-	-	R	R	R	-
NUTHATCH, RED-BREASTED	R	4/14	-	-	A	-	-	R	5/7	→4/18	-
CREEPER, BROWN	R	-	R	-	R	R	4/28	R	R	→4/14	R
WREN, HOUSE	4/21→	4/22→	4/27→	-	5/2→	4/21-5/1(7)→	4/27→	4/23→	4/18→	4/15→	P
WINTER	R	-	5/10→	-	5/24→	R	-	→4/6(8)-26	A	-	R
MARSH	5/5-10	-	-	-	-	5/13	5/15-6/27(17)→	-	-	5/17→	-
KINGLET, GOLDEN-CROWNED	P	-	→6/24	-	4/11→	A	-	→4/23	→5/31	→4/2	-
RUBY-CROWNED	P	4/17-5/10	→5/10(6)	-	-	4/1-5/13	4/27	→4/12(30)-5/11	→5/11	4/3-5/12	P

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	CENTRE	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	CUMBERLAND	DAUPHIN	DELAWARE	ELK
GNATCATCHER, BLUE-GRAY	4/12→	4/17→	4/11→	5/27	5/24→	4/20-5/11(4)→	4/27→	4/12→	4/18→	4/7-26(15)→	P
VEERY	P→	5/4→	4/11→	-	P	5/4→	5/5→	5/8→	5/10→	5/3-24(10)→	P
THRUSH, GRAY-CHEEKED	-	-	5/5-27	-	-	5/5-27	5/27	5/19	5/20	5/17-18(3)-21	-
SWAINSON'S	P	5/18(3)	5/21-27	-	-	-	5/11-27(3)	5/10-24	5/4-23	5/6-18(7)-24	-
HERMIT	P	-	4/13→	5/27	P	4/17→	→5/27	R	R	→4/10(4)-5/12	P
WOOD	5/3→	4/27-5/10(10)→	5/7→	-	5/8→	5/3→	5/6→	5/1→	5/1→	4/25-5/5(8)→	P
ROBIN, AMERICAN	R	R	R	5/27	R	R	A	R	R	R	R
CATBIRD, GRAY	4/29→	4/19→	5/5→	5/27	5/2→	5/5-11(6)→	5/3-27(10)→	4/29→	A	A	P
THRASHER, BROWN	4/6→	A	5/3→	-	P	4/2→	5/4→	4/10→	4/6→	4/10→	P
PIPET, AMERICAN	5/1(80)-17	4/1	6/27	-	4/18(70+)-5/8	-	-	→5/10	→5/10(3)	-	-
VIREO, WHITE-EYED	5/3→	5/10(6)→	5/27	-	P	-	-	4/29→	5/2→	4/28→	-
SOLITARY	4/6(3)→	5/10	4/26→	5/27	5/21→	4/6→	4/27→	4/14→	4/14→	4/20-27(3)-5/13	P
YELLOW-THROATED	4/27→	5/11→	5/27→	-	P	5/17	5/11→	5/4→	5/4→	5/5→	5/10
WARBLING	6/4→	5/10→	5/27→	-	5/20→	5/1→	5/6-31(10)→	5/4→	4/28→	5/1-4(6)→	P
PHILADELPHIA	5/21(2)	5/10(3)	5/27	-	5/19	5/3→	5/12	-	-	-	-
RED-EYED	5/3→	5/10→	5/10→	5/27	5/8→	5/3→	5/21→	5/3→	5/2→	4/30-5/17(10)→	P
WARBLER, BLUE-WINGED	P→	5/10→	4/15-27(5)→	-	-	5/3	5/7-27	5/1→	5/3→	4/30-5/3(5)→	-
GOLDEN-WINGED	5/3→	-	5/27	-	P	5/4	5/12-27	8/65→	5/10→	5/5	-
TENNESSEE	P	5/17	5/27	-	-	5/19	5/18-26(15)	5/12-24	5/10-24	5/12-18	-
NASHVILLE	P	5/18	5/10(19)→	-	P	5/23	5/12(22)	5/4-6/6	5/1-20	5/5(3)-24	5/10(3)
PARULA, NORTHERN	5/3→	5/10→	5/12	5/27	5/27	5/11→	5/18-27	5/3→	5/3→	4/17-5/9(6)→	P
WARBLER, YELLOW	P→	5/10→	5/7-27(14)→	5/27	5/8→	5/1→	5/3-6/23(14)→	4/28→	4/28→	4/26→	P
CHESTNUT-SIDED	5/4→	5/4→	6/6	-	5/19→	5/9→	5/7-27(5)→	5/3→	5/3→	5/5-17(5)→	P
MAGNOLIA	P	5/10-18(6)	5/4→	5/27	5/19→	5/13→	5/11-27(6)	5/3-26	5/3-23	5/6-13(5)-24	P
CAPE MAY	5/3-23	5/17	5/27	-	-	5/19	5/27	5/9-22	5/4-23	5/11-13	5/15
BLACK-THROATED BLUE	5/3(5)→	5/5-18	5/6	-	5/8→	5/14→	5/12(6)-27	5/3→	5/2-22	5/3-9(7)-24	P
YELLOW-RUMPED	P	4/17(24)-5/11	4/11-6/1	5/27	A-5/8(12)	A	4/27-5/10(15)-27	A	→5/10(27)-21	4/9-27(50)-5/24	4/4E→
BLACK-THROATED GREEN	4/27→	5/10-18	6/5/4→	5/27	5/5→	5/1→	-	5/3→	4/27→	4/30-5/18(6)-24	P
BLACKBURNIAN	P	5/10-18	5/3→	5/27	5/5→	5/12→	5/12(5)-27	5/9-24	5/3→	5/6-11(4)-23	P
YELLOW-THROATED	-	P	-	-	-	-	-	-	-	4/27→	-
PINE	A	A	4/13	5/27	P	4/25	5/12	4/12→	A	→5/26	6/12→
PRAIRIE	5/3→	5/10→	5/5(6)→	-	P	5/4→	5/6	5/3→	4/28→	4/30→	-
PALM	4/13-5/11(15)	4/17(12)-5/10	5/20	-	5/5	4/6	5/6-27	4/20-5/9(4)	4/27-5/11	→4/27(7)-5/3	5/10(8)
BAY-BREASTED	P	5/18	5/27-31	-	5/5	5/24	5/12-27	5/12-16	5/10-24	5/13-24(3)	5/13
BLACKPOLL	MAY-6/1	5/9-18	5/27(5)	-	-	5/25-27(5)	5/26(4)-27	5/21-31	5/7-26	5/7-24(6)-29	5/28
CERULEAN	P→	P→	-	-	-	6/21→	5/9→	5/9→	5/7→	5/5→	-
BLACK-AND-WHITE	4/30→	5/4→	5/1→	-	5/10→	5/1→	5/6→	5/3→	4/27→	4/27-5/5(3)→	4/24→
REDSTART, AMERICAN	5/3→	5/4→	5/4-27(10)→	5/27	5/18→	5/4→	5/5-27(5)→	5/3→	5/2→	4/30-5/17(10)→	P
WARBLER, PROTHONOTARY	-	-	-	-	-	-	5/7-6/23(4)→	6/21-25(3)→	5/24-26	4/30-6/30	-
WORM-EATING	5/1→	5/10→	5/10→	-	5/21→	-	-	5/3→	5/3→	5/5→	-
OVENBIRD	6/5/4→	5/10→	5/5-27(8)→	5/27	6/5/21→	5/1→	5/5→	5/2→	4/30→	4/26-5/9(10)→	P
WATERTHRUSH, NORTHERN	P	5/4-20	5/21-6/28	-	P	4/10	5/12-27	5/1-19(4)-23	4/28→	5/8-25	P
LOUISIANA	P→	4/26→	5/5→	-	P	4/10→	4/13→	4/13→	4/7→	4/3→	P
WARBLER, KENTUCKY	-	5/18(3)→	6/19	-	P	-	-	5/16→	5/10→	5/8→	-
MOURNING	5/20-6/2	5/29	5/27(3)	-	5/24→	-	5/22	5/19	5/26	5/23-29	-
YELLOWTHROAT, COMMON	5/3	4/24→	5/2→	-	P	5/1→	5/7-27(14)→	4/30→	4/14→	4/17-30(8)→	P
WARBLER, HOODED	P→	5/18→	5/4→	-	P	5/13→	5/5-6/23(3)→	5/3→	5/5→	5/8→	-
WILSON'S	5/19	5/10-18	5/12(4)-27	-	5/23	-	-	5/11-22	5/14-26	5/9-17(5)-23	-
CANADA	P	5/16-18(3)-23	5/27(3)	-	5/21→	5/15→	5/18-27(3)	5/19(6)→	5/10-23	5/10-14(5)-6/15	P
CHAT, YELLOW-BREASTED	-	P→	-	-	P	6/8→	-	5/9→	5/6→	5/12→	-
TANAGER, SCARLET	5/4→	5/10→	5/26→	5/27	5/21→	5/14→	5/12-26(4)→	5/5→	5/3→	5/8-19(9)→	P
GROSBEAK, ROSE-BREASTED	P→	5/10→	4/30→	-	5/21→	5/1-5(8)→	5/4	5/2→	5/1→	4/30-5/19(8)→	5/5→
BLUE	-	P→	-	-	-	-	-	-	-	5/18→	-
BUNTING, INDIGO	5/3→	5/4→	6/5/6→	-	5/19→	5/3→	5/12→	5/3→	5/1→	5/5→	5/5→
TOWHEE, EASTERN	A	4/17→	A-5/27(11)	-	P	R	R	A	A	R	A
SPARROW, AMERICAN TREE	→4/5	-	→4/5(4)	-	-	-	-	-	-	-	-
CHIPPING	A	A	4/3→	5/27	4/16→	A	4/6(6)→	A	A	A	4/6→

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	CENTRE	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	CUMBERLAND	DAUPHIN	DELAWARE	ELK
FIELD VESPER	A	R	4/5→	-	4/23→	A	R	A	A	R	P
SAVANNAH	P→	4/19-5/10	4/4→	-	P	5/13→	R	4/14→	4/11→	-	5/10→
GRASSHOPPER	P→	5/5(5)→	5/5(5)→	-	P	5/20	R	A	A	4/11-5/5	P
HENSLOW'S FOX	-	5/5(7)→	5/5(7)→	-	P	65/13(5)→	-	5/2→	5/7→	-	P
LINCOLN'S SWAMP	5/4	-	→4/13	-	-	6/29→	→4/13	→4/6	→APR	-	4/2
WHITE-THROATED	A	R	A	-	R	-	-	5/12-22	5/10-18	-	5/10-18
WHITE-CROWNED	→5/2	→5/10(10)	→5/8(6)	-	-	→4/13	R	4/6-20(6)→	→5/20	→5/8	→5/20
JUNCO, DARK-EYED	5/4(6)→	→5/10	→5/8(6)	-	-	4/4	5/12(12)	→5/22	→5/18	5/19	→5/17
BOBOLINK	5/4(6)→	5/10-18(11)→	5/10(19)→	-	P	R	5/9-13(12)→	→5/10	→5/10	→5/3	R-4/18(21)
BLACKBIRD, RED-WINGED	A	A	A	-	A	A	5/11-6/21(15)→	5/6→	5/3-9(50±)→	-	P
MEADOWLARK, EASTERN	A	A	A	-	P	A	R	A	A	R	P
BLACKBIRD, RUSTY	-	-	-	-	-	5/4	R	A	A	-	P
GRACKLE, COMMON	A	R	A	-	A	A	R	4/20-24(27)	-	4/25	-
COWBIRD, BROWN-HEADED	A	R	A	-	A	A	R	A	A	R	P
ORIOLE, ORCHARD	5/12→	5/10→	5/8→	-	P	5/10→	R	5/5→	5/10→	4/26-5/12(4)→	-
BALTIMORE FINCH, PURPLE	5/3→	5/3→	5/10→	-	P	5/6→	5/5→	5/2→	5/1→	5/1-17(10)→	P
SISKIN, PINE	P	→4/13(17)-27	R-4/11(14)	5/27	R	R	4/5	→5/10(3)	→4/8(15)-5/1	4/10(8)-21	R
					A	-	-	-	-	-	6/17

	ERIE	FAYETTE	FRANKLIN	FULTON	GREENE	HUNTINGDON	INDIANA	JEFFERSON	JUNIATA	LACKAWANNA	LANCASTER
LOON, RED-THROATED	-	-	-	-	-	-	-	4/2N	-	4/29	-
COMMON GREBE, PIED-BILLED	→JUN	5/10	5/13	→4/14(3)-5/20	-	→5/10	-	→4/2(3)-5/15	P	→6/13	→4/8
HORNED CORMORANT, DOUBLE-CRESTED	→MAY	4/1	→4/13	→4/18(4)	-	→5/10	-	→5/25(4)-30	P	A	5/10-25
BITTERN, AMERICAN	A	4/27	-	4/6	-	→4/17	-	→5/8(4)-28	P	→4/1	→5/24
LEAST HERON, GREAT BLUE EGRET, GREAT SNOWY	4/13→	-	-	-	-	→6/2	-	→4/14(19)6/20	4/27(61)→	5/3-6/1	A
HERON, GREEN NIGHT-HERON, BLACK-CROWNED	5/8	5/31	5/5	-	-	-	-	-	4/20	4/29→	4/13
MUTE SWAN, TUNDRA GOOSE, SNOW CANADA	4/20(12)	-	→4/19	-	-	→4/11	-	-	4/13	-	5/26
DUCK, WOOD TEAL, GREEN-WINGED	R	R	A	A	A	A	A	A-4/19(46)	A	A	A
DUCK, AMERICAN BLACK MALLARD	→5/17	-	-	-	-	→4/21	-	-	P	-	5/10-24
TEAL, BLUE-WINGED SHOVELER, NORTHERN GADWALL	→MAY	4/15(7)	→4/27	4/28	4/1-18	→4/21	→4/4	5/4→	P	5/10→	4/5→
WIGEON, AMERICAN CANVASBACK	→MAY	4/17(7)	→4/12	-	4/18-30	-	→4/1(15)-17	4/6-26(5)	-	4/29	A
REDHEAD	→6/6L	4/4	-	-	→4/19	-	→4/20(10)-5/12	-	-	-	5/10
DUCK, RING-NECKED	→5/18L	4/17	-	-	→4/4	-	→4/5(50)-29	-	-	5/10	→4/5
SCAUP, GREATER LESSER	→MAY	→4/24	→4/25	→4/5(6)	-	→4/28	→4/4(20)-5/3	→4/6(19)-9	-	-	-
OLDSQUAW	→5/18	→4/25	→4/14	→4/14	→4/15	-	→4/15	→4/14(6)	-	5/10	-
SCOTER, SURF WHITE-WINGED	→JUNL	4/1-15(10)	4/27	-	→4/11(5)	-	→4/4(7)-11	→4/14	-	-	-
	→MAY	4/17(2)	-	-	5/3(4)	-	4/18	-	-	-	→4/25(12)
	→6/13L	-	-	-	-	-	-	-	-	-	-

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	ERIE	FAYETTE	FRANKLIN	FULTON	GREENE	HUNTINGDON	INDIANA	JEFFERSON	JUNIATA	LACKAWANNA	LANCASTER
GOLDENEYE, COMMON	-	-	-	-	-	-	-	-	P	-	5/17-24
BUFFLEHEAD	-	4/1(16)-17	-	-	4/1(2)	-	-	-	P	-	-
MERGANSER, HOODED	A	5/10	-	-	-	-	-	-	P	-	-
COMMON	-	5/10	-	-	-	-	-	-	P	-	-
RED-BREASTED	A	4/1	-	-	-	-	-	-	P	-	-
DUCK, RUDDY	-	4/4-17(25)	-	-	-	-	-	-	P	-	-
VULTURE, BLACK	-	-	-	-	-	-	-	-	A	-	-
TURKEY	A	A	A	A	A	A	A	A	A	A	A
OSPREY	-	-	-	-	-	-	-	-	A	-	-
EAGLE, BALD	A	-	-	-	-	-	-	-	A	-	-
HARRIER, NORTHERN	P	-	-	-	-	-	-	-	6/1	-	-
HAWK, SHARP-SHINNED	R	R	R	R	R	R	R	R	R	R	R
COOPER'S	R	R	R	R	R	R	R	R	R	R	R
GOSHAWK, NORTHERN	-	-	-	-	-	-	-	-	R	-	-
HAWK, RED-SHOULDERED	A	R	-	-	-	-	-	-	R	-	-
BROAD-WINGED	P	P	4/30	-	-	-	-	-	A	5/3	-
RED-TAILED	R	R	4/19	4/16-22(5)	R	R	4/20	64/19	P	5/1	5/10
ROUGH-LEGGED	-	4/19	-	4/16	-	-	-	-	R	R	-
EAGLE, GOLDEN	-	-	-	4/1	-	-	-	-	-	-	-
KESTREL, AMERICAN	R	R	R	R	R	R	R	R	R	R	R
MERLIN	5/15	-	-	4/6	-	-	-	-	5/10	-	5/10
FALCON, PEREGRINE	5/11-30L	-	-	-	-	-	5/27	-	-	-	-
BOBWHITE, NORTHERN	-	-	R	6/9	-	-	A-4/22(4)	-	6/10	-	-
RAIL, VIRGINIA	4/6	-	-	-	-	-	4/22-5/9	-	5/4	-	5/10
SORA	4/6	-	-	-	-	-	-	-	5/4	-	5/14(3)
MOORHEN, COMMON	MAY	-	-	-	-	-	-	-	4/10-26	4/16	4/6-26
COOT, AMERICAN	-	-	-	-	-	-	-	-	5/4	5/17	5/10-18
COOT, AMERICAN	-	-	-	-	-	-	-	-	5/4	5/17	5/10(3)
PLOVER, BLACK-BELLIED	5/4-30	-	-	-	-	-	-	-	-	-	-
SEMPALMATED	5/9-30(4)	-	-	-	-	-	-	-	-	-	-
KILLDEER	A	A	5/4-17(12)-26	-	-	-	-	-	-	-	-
YELLOWLEGS, GREATER	-	5/10	4/2-27(11)-5/17	A	A	A	4/15	A	A	5/4	5/8-17
LESSER	4/15-5/17(25)-30	-	4/13-5/11(30)-17	5/5	-	4/18	4/15-5/7(3)-9	-	5/10(31)	5/20	5/8-17
SANDPIPER, SOLITARY	MAY-6/2	-	4/27-5/4(4)-17	5/6	-	5/10	5/2-5(3)-14	5/25	P	5/20	5/8-10
SPOTTED	5/3	5/10	4/24-5/11(10)	4/26-30(6)	-	4/30	4/22-5/2(6)	5/22(4)	P	5/2	5/17(40+)
TURNSTONE, RUDDY	5/8-17(10)-6/1	-	-	-	-	5/9	5/12	-	P	-	5/14
SANDPIPER, SEMIPALMATED	5/29-6/1(112)-12	-	5/4-26	5/5	-	5/19(13)	5/2	-	P	-	-
LEAST	5/8-17(21)-30	-	5/4-17(88)-26	5/5	-	-	-	-	5/10(3)	5/10-20	5/8-14(150)-22
WHITE-RUMPED	5/12-30	-	5/4-15	-	-	-	-	-	-	-	4/27-5/20(3)-24
PECTORAL	P	-	4/3-6(10)	-	-	-	-	-	-	-	-
DUNLIN	5/17(25)-6/12	-	4/26-5/26(3)	-	-	-	5/12	-	-	-	5/19(20)-30
DOWITCHER, SHORT-BILLED	5/17(11)	-	-	-	-	-	-	-	-	-	5/17(16)
SNIPE, COMMON	4/11	-	-	-	-	-	-	-	-	5/2	4/6
WOODCOCK, AMERICAN	A	A	A	A	A	A	A	A	A	A	-
PHALAROPE, WILSON'S	-	-	5/10-11	-	-	-	-	-	-	-	-
GULL, BONAPARTE'S	A	4/15(45)	-	-	-	-	-	-	P	4/15-5/17	-
RING-BILLED	A	-	-	4/28-30(8)-6/2	-	-	-	-	A	4/16-5/30	A
HERRING	A	-	-	-	-	-	5/16-6/3	-	A	-	A
GREAT BLACK-BACKED	A	-	-	-	-	-	-	-	4/4	-	5/30
TERN, CASPIAN	4/5-21(200+)-6/13	-	-	-	-	4/15-23	4/23-5/3(7)-6/16	-	-	-	4/27-5/17(6)-30
COMMON	4/14-6/12(3)	-	5/26	-	5/15	5/15	-	-	-	-	5/4-30
FORSTER'S	4/14-6/29	4/17-5/10(10)	-	-	-	5/3-10	4/14-5/15(10)-6/21	-	-	-	5/19-30
BLACK	5/10-16	-	5/17(4)	-	-	-	5/13-17	-	-	-	5/3-22(13)-24
CUCKOO, BLACK-BILLED	5/18	5/10	5/2	5/6	5/7	P	5/13	6/18	P	5/31	5/8
YELLOW-BILLED	-	P	5/8	5/10	5/8	5/10	5/23	6/22	P	5/31	5/10
OWL, BARN	5/14	R	R	R	R	R	R	R	R	R	R
BARRED	r	-	-	-	-	-	-	-	-	-	-
LONG-EARED	-	-	-	4/14	-	-	-	-	-	-	APR

SEASONAL OCCURRENCE TABLES - APRIL THROUGH JUNE 1997

	ERIE	FAYETTE	FRANKLIN	FULTON	GREENE	HUNTINGDON	INDIANA	JEFFERSON	JUNIATA	LACKAWANNA	LANCASTER
SHORT-EARED NIGHTHAWK, COMMON	4/22	-	-	-	-	-	-	A-6/30(4)	-	-	-
WHIP-POOR-WILL	5/29	6/20	5/10	5/24	5/7	5/22	5/20	6/30	P	5/13	5/20
SWIFT, CHIMNEY	4/17	5/24(24)	4/27	4/28	4/27	4/27	A-5/14(60)	5/26(5)	P	5/10	5/10
HUMMINGBIRD, RUBY-THROATED	5/16L	6/21	5/5	4/29	-	4/30	5/5-23(7)	5/26	P	6/5/4	5/2
WOODPECKER, RED-HEADED	R	-	R	5/8-18	-	A	5/26-6/8	5/26N	5/4	6/15	R
SAPSUCKER, YELLOW-BELLIED	4/5(25+)MAY	-	4/5	4/12-25	-	4/15	4/2-23	-	P	4/13	R
FLICKER, NORTHERN	R	A	R	A	R	R	R-4/20(10)	A	R	A	R
FLYCATCHER, OLIVE-SIDED	5/25	-	5/10(8)	5/10	-	5/10	-	5/30-31(7)	P	5/20	5/10
WOOD-PEWEE, EASTERN	5/17	6/21	5/10	5/10	-	5/17	5/17	-	P	5/20	5/19
FLYCATCHER, YELLOW-BELLIED	5/29-6/1(9)	-	5/22	-	-	-	-	-	P	-	5/10
ACADIAN MAY	5/24	5/24	5/10	5/6	5/14	5/17	5/8	-	P	5/31	5/10
ALDER	5/31	-	-	-	-	-	6/3	6/18	P	5/25	5/10
WILLOW	MAY	-	5/21	6/4	-	P	5/20	5/30	P	6/1	5/10
LEAST	5/8	-	5/10(9)	5/12	-	5/10	5/8	5/30	P	5/9	5/8-19
PHOEBE, EASTERN	A	A	A	A	A	A	A	A	A	A	A
FLYCATCHER, GREAT CRESTED	5/3	P	5/3	5/5	5/19	5/3	5/5	6/20	P	5/8	5/8
KINGBIRD, EASTERN	5/8	-	5/8	5/8	5/17	5/10	5/2	5/30	P	5/20	5/10
LARK, HORNED	P	-	A	R	-	-	A-6/23(6)	4/6(4)	R	-	R
MARTIN, PURPLE	4/5	-	4/4	6/23	-	-	6/20	5/28	4/5(4)	-	4/20
SWALLOW, TREE	APR	5/10	A	A-4/14(75)	-	A	A-4/15(143)	4/6	A	4/6	A
NORTHERN ROUGH-WINGED	4/21	5/10	4/2	4/13-5/6(15)	-	4/14	4/6-5/16(46)	4/19	4/5	4/13	A
BANK SWALLOW	4/21	5/10	4/28(4)	-	-	4/28	4/29	6/20	5/10	4/27	5/10
CLIFF SWALLOW	5/18	5/10(20)	5/4	5/8	5/10	5/10	5/3-7(15)	6/28	5/10	5/6	5/10
BARN SWALLOW	4/6	5/10(30)	4/4	5/8	4/4	4/14	4/15-5/13(65)	4/26	4/5	4/19	5/10
CROW, FISH	-	-	A	4/5	-	P	-	-	R	A	R
RAVEN, COMMON	R	R	R	R	P	R	R	R	R	R	R
CHICKADEE, BLACK-CAPPED	R	R	R	R	R	R	R	R	R	R	R
CAROLINA WREN	-	-	R	-	R	5/10	-	-	-	-	-
NUTHATCH, RED-BREADED	P	-	5/10	-	-	-	-	P	R	R	-
CREEPER, BROWN	R	A	A	5/2	-	R	R	A	R	R	-
WREN, HOUSE	5/2	P	4/14	4/15E	4/30	4/16	5/1	4/26	4/5	4/19	4/20
WINTER WREN	→MAY	-	-	P	-	R	-	A	A	-	-
MARSH WREN	5/4	-	-	-	-	-	-	-	-	-	5/15
KINGLET, GOLDEN-CROWNED	→5/18	-	→5/10	P	-	→5/10	A	→5/3	A	R	→5/11
RUBY-CROWNED KINGLET	4/11-5/18(3)	4/13	4/8-5/10(19)	4/14-29(8)-5/6	4/22	→5/10	→4/22(10)-5/20	4/19(3)	P	→5/17	→5/10
GNATCATCHER, BLUE-GRAY	MAY	4/13	4/15	4/14-5/2(10)	4/6	4/15	4/11-5/14(8)	4/6	4/13	4/26	4/25
VEERY	5/3	-	5/2-6/23(6)	-	-	5/10	5/4	5/24(5)	P	5/6	5/5
THRUSH, GRAY-CHEEKED	MAY-6/1	-	5/22	-	-	-	-	-	-	-	5/18
SWAINSON'S THRUSH	5/3-6/1(8)	-	5/10-22	5/18-21	-	5/10-19	5/9-24	-	-	-	5/5-19
HERMIT WOODPECKER	4/11(15)-MAY	-	4/15	4/14029(4)	-	R	R	5/30	A	4/15	-
WOODPECKER, RED-BELLIED	5/3	4/13	5/2	4/30-5/1(15)	5/1	5/1	5/2	5/20	P	5/2	5/10
ROBIN, AMERICAN	R	A	R	R	R	R	R	A	R	A	R
CATBIRD, GRAY	MAY	P	4/28	5/1	5/2	5/1	5/2-13(23)	5/20	P	5/2	5/10
THRASHER, BROWN	4/19	-	4/3	4/6	4/15	4/7	4/12-22(5)	4/26	P	5/10	5/8
PIPET, AMERICAN	5/8	-	→5/10	-	-	-	-	-	A	-	→4/20(200)-5/10
VIREO, WHITE-EYED	4/30-5/29	-	5/6	4/28	5/2	5/11-23	5/12	-	P	-	5/8
SOLITARY TROOP	5/3	P	4/15	4/3-5/2(3)	5/1	4/15	4/5-29(5)	4/19(3)	P	4/17	5/10
YELLOW-THROATED VIREO	5/2	6/21	5/10	4/26	5/1	4/27	5/14	P	P	5/6	5/10
WARBLING VIREO	5/19	-	5/7	-	4/29	4/30	5/7	P	P	5/3	5/10
PHILADELPHIA VIREO	5/15	5/24(20+)	5/3	5/1	5/3	5/4	5/8	4/26-31(15)	P	5/17	5/8
RED-EYED VIREO	MAY	5/10	5/10	5/6-28	5/3	5/4	5/9-20(6)	6/20	P	5/10	5/5
WARBLER, BLUE-WINGED	5/14-25	5/6	5/10	5/12	5/12	5/3	5/14	P	P	6/1	5/11
GOLDEN-WINGED WREN	5/12-6/1	-	5/10	5/18(4)	5/18-27	5/18-19	5/23	-	P	5/20	5/10-11
TENNESSEE WARBLER	5/14-6/1	-	5/10	-	-	5/20	5/20	-	-	-	-
ORANGE-CROWNED WREN	MAY	-	5/10	5/3-11(4)	-	5/4-19	5/3-6/15	-	P	65/20	5/8-19

SEASONAL OCCURRENCE TABLES - APRIL THROUGH JUNE 1997

	ERIE	FAYETTE	FRANKLIN	FULTON	GREENE	HUNTINGDON	INDIANA	JEFFERSON	JUNIATA	LACKAWANNA	LANCASTER
PARULA, NORTHERN	5/12-18	6/21→	5/3→	4/28→	4/28→	4/22→	5/3→	6/22→	P	5/20→	5/8-19
WARBLER, YELLOW	5/2→	5/24→	4/19→	4/28→	4/30→	4/30→	5/2→	5/24→	P	5/2→	5/8→
CHESTNUT-SIDED	5/12→	5/6→	5/7→	5/11→	-	5/3→	5/3→	5/25→	P	5/3→	5/8→
MAGNOLIA	5/12-6/5(3)	5/10(3)→	5/8	5/9-21	-	5/10-6/15	5/2-5/12(9)→	5/24→	P	5/5→	5/5-19
CAPE MAY	5/12-18	-	5/10	5/18	-	5/12	5/12-16	-	P	5/10-17	5/10-11
BLACK-THROATED BLUE	5/3	5/6→	5/4	5/2-11(4)	-	5/4→	5/4→	5/24→	P	5/3→	5/8-14
YELLOW-RUMPED	-5/29L	5/6-10	4/6	-5/2(7)-22	-	A	A-5/3(45)	-	A	4/13→	-5/10
BLACK-THROATED GREEN	5/3→	5/6→	5/10→	4/27-5/5(7)→	-	4/27→	4/21-5/2(10)→	5/24(4)→	P	5/5→	5/10
BLACKBURNIAN	5/17-6/1	5/10→	5/10(8)	5/2-18	5/27	5/4→	5/3-17(6)→	P	P	5/5→	5/8-14
YELLOW-THROATED	-	5/10→	5/10	4/28	4/5(3)→	4/4→	4/22→	P	5/25→	-	5/10→
PINE	4/21-5/17	-	4/5→	A-5/5(5)	-	A	A-4/19(4)	-	P	-	5/10→
PRAIRIE	5/4-15	5/10→	5/10→	4/30-5/31(5)→	5/7→	4/28→	4/17-5/5(4)→	6/22→	P	5/5→	5/10→
PALM	5/2-6/1L	-	4/5	P	-	4/11-5/10	5/1-3/5(5)-20	-	P	4/13-5/2	5/10(11)
BAY-BREASTED	5/19-6/1	5/10	5/10	5/12-17(3)	-	5/15-19	5/12-17(4)-23	-	P	5/18	65/10-14
BLACKPOLL	5/18-6/13L	5/10	5/21	5/17-28	5/24-27	5/15-27	5/16-24	-	P	5/10-17	5/10-24
CERULEAN	5/14→	5/6→	5/10	4/28-6/2	4/27→	4/22→	5/9→	P	P	5/10→	5/4→
BLACK-AND-WHITE	5/3-18(6)	5/6→	5/10→	4/23→	-	4/22→	4/22-5/2(7)→	5/18→	P	5/1→	5/2→
REDSTART, AMERICAN	5/4→	5/10→	4/30→	4/28-5/1(20)→	-	4/30→	5/3-23(7)→	5/18→	P	5/3→	5/5→
WARBLER, PROTHONOTARY	5/13-18	4/13	-	-	-	-	-	-	-	-	6/1→
WORM-EATING	5/3-18	5/6→	5/7→	4/30-5/5(4)→	-	4/30→	6/12→	-	P	5/10→	5/8→
OVENBIRD	5/4→	5/24→	4/30→	4/28-5/2(25)→	-	4/30→	4/30-5/12(16)→	5/18→	P	5/2→	5/10→
WATERTHRUSH, NORTHERN	5/3-29	-	5/4-28	5/28	-	5/10-19	5/6-5/20(4)	P	P	4/27→	5/10-14
LOUISIANA	APR→	5/10→	4/20-6/23(4)→	4/5→	4/5→	4/4(6)→	4/4→	P	P	4/22→	4/6→
WARBLER, KENTUCKY	-	5/10→	5/10→	5/11-28	-	5/18	5/8→	P	P	-	5/10→
CONNECTICUT	5/26(2)	-	-	-	-	-	-	-	-	-	-
MOURNING	5/18→	-	5/22	-	-	5/21-27	5/23	-	-	-	-
YELLOWTHROAT, COMMON	5/3→	MAY→	4/30→	4/28→	-	5/1→	5/1→	4/6→	-	5/2→	5/4→
WARBLER, HOODED	5/9→	5/6→	4/30→	5/5→	-	5/8→	5/1-23(7)→	5/23→	P	5/8→	5/10→
WILSON'S	5/14-6/3(3)	-	5/7	-	-	5/14	5/9-20(6)-27	-	-	5/10-16	5/10-19
CANADA	5/19-6/3(5)	-	5/7	5/21-28	-	5/10→	5/12-20(5)-24	P	-	5/6→	5/8-19
CHAT, YELLOW-BREASTED	MAY	5/10→	5/7→	5/11→	-	5/7→	5/20→	P	P	6/1→	5/10→
TANAGER, SCARLET	5/18→	5/6→	5/6→	4/28→	-	5/3→	5/2→	4/26→	P	5/17→	5/8→
GROSBEEK, ROSE-BREASTED	5/4→	P	5/2→	5/2-10(11)→	5/2→	4/24→	5/1-3(10)→	5/20→	P	5/1→	5/10→
BLUE	-	5/22→	5/2→	5/21	-	-	-	-	-	-	5/10→
BUNTING, INDIGO	5/10→	5/24→	5/10→	5/1→	-	5/3→	5/1→	6/18→	P	5/10→	5/8→
TOWHEE, EASTERN	R	5/10→	4/8→	4/5-5/12(20)→	-	A	4/6→	4/6→	A	A	R
SPARROW, AMERICAN TREE	-5/23L	-	-	-	-	-	-4/4	-4/6	P	-4/4	-
CHIPPING	A	A	4/4→	4/4→	-	A	A	4/6→	A	A	4/25→
FIELD	A	4/19→	A	R-4/25(8)	-	A	A-4/27(26)	A	P	4/12→	R
VESPER	4/6→	-	4/5→	4/5-5/8(3)→	-	5/10→	4/12→	4/6→	P	6/10→	R
SAVANNAH	4/21→	-	4/10→	4/25(5)→	-	4/18→	5/5→	4/6(7)→	P	5/10→	R
GRASSHOPPER	5/9(3)-12	-	5/2→	4/29→	-	5/7	5/12→	4/6→	-	5/10→	5/10→
HENSLOW'S	-	-	-	-	-	-	5/13(8)→	6/18(18)→	P	5/17→	-
FOX	4/19-MAYL	-	-	-4/4(3)	-	-4/6	-4/14(3)-21	4/6(3)	P	-4/15	-
LINCOLN'S	5/3-6/3L	-	-	-	-	5/10-19	5/6-17	-	P	-	5/18(6)-19
SWAMP	A	-	-	P	-	5/10→	A-4/26(10)	4/6(4)→	P	4/6→	R
WHITE-THROATED	-6/1L	-	-5/16(6)	-5/5(18)	-	-5/11	-4/29(6)-5/13	-4/26(3)	-4/27	R	-5/10
WHITE-CROWNED	5/10	5/10	-5/21	-5/9	-	5/3-10	5/3-4(3)-22	-	-4/27	5/10-17	-5/10
JUNCO, DARK-EYED	R	5/10	-5/10	-4/14(5)	-	R	-4/20(26)-5/7	R	P	R	-5/10
BOBOLINK	MAY→	-	5/10(4)	5/9-16	5/2-13(6)-27	5/10(10)-19	5/4-12(8)→	6/18(22)→	P	5/10→	5/10→
BLACKBIRD, RED-WINGED	A	P	A	A	-	A	A	A-4/6(72)	A	-	R
MEADOWLARK, EASTERN	A	A	A	R	-	A	A	A	A	5/7→	R
BLACKBIRD, RUSTY	→MAY	-	4/5	4/13-26	-	-	-4/4(28)-26	-4/6(5)	P	-	-
GRACKLE, COMMON	A	A	A	A-4/7(45)	-	A	A	A	A	A	R
COWBIRD, BROWN-HEADED	A	A	A	A	-	A	A	A	A	A	R
ORIOLE, ORCHARD	5/17→	5/10→	5/23→	5/3→	-	5/5→	5/9-14(4)→	P	P	65/10→	5/10→
BALTIMORE	5/9→	5/24→	5/1(4)→	5/1(4)→	5/1→	5/4→	5/2-9(7)→	5/25→	P	5/3→	65/8→
FINCH, PURPLE	A	-	4/5-5/2	-	4/10	-5/3	R-4/17(6)	R-4/26(9)	A	R	-
SISKIN, PINE	-	-	-	-	-	5/3	4/20-21	-	-	-	-

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	LAWRENCE	LEBANON	LUZERNE	LYCOMING	MERCER	MIFFLIN	MONTGOMERY	MONTOUR	PERRY	PHILADELPHIA	POTTER
LOON, RED-THROATED	-	-	-	-	-	-	-	4/19	-	-	-
COMMON	4/5-12(8H)-5/6	4/19-28(3)	-6/8	4/5(5)-6	4/2(6)	-	-5/9(8)	-6/19	4/4-5/3(15)	-5/3	-
GREBE, PIED-BILLED	4/12	-	-5/17	4/6	4/11-5/8(5)-10	-	-4/20	-5/11	-4/22	-4/22	P
HORNED	4/21	-	-4/28	4/6-12	4/2	-	-4/9(4)-5/23	-5/11	-5/3	-4/2	P
RED-NECKED	-	-	4/14-28	-	-	-	-	-	-	-	-
CORMORANT, DOUBLE-CRESTED	4/5-13(20H)-5/23	4/20-5/15(4)	4/14(4)→	-	4/14-26(40)	-	4/4-5/9(36)	A	A	A	-
BITTERN, AMERICAN	-	-	5/3→	-	-	-	5/1	-	-	4/16-22	-
LEAST	-	-	-	-	-	-	-	-	-	MAY→	-
HERON, GREAT BLUE	R	R	R	A	R	4/6→	A	A	A	A	A
EGRET, GREAT	-	-	5/1-4	-	-	6/3	5/9-13	-	P	5/7→	-
SNOWY	-	-	-	-	-	-	-	-	-	6/15	-
HERON, GREEN	5/1→	6/7→	4/28→	-	5/8→	4/3→	4/6→	5/8→	4/12→	4/30→	P
NIGHT-HERON, BLACK-CROWNED	-	-	5/2→	-	4/24	-	4/22	6/20	-	4/16→	-
SWAN, TUNDRA	4/3(3)	-5/10	-	4/5	-	APR-MAY	-	-4/2(3)	-	-	-
MUTE	A	-	R	-	-	-	-	6/28	-	R	-
GOOSE, SNOW	-	A	-	-	-	-	4/18(10)-5/8	-	-	-	-
CANADA	R	R	R	R	R	R	R	R-4/1(120)	R	R	A
DUCK, WOOD	R	A	R	A-4/6(8)	A-4/11(26)	R	A	A	A	A-6/20(30)	A
TEAL, GREEN-WINGED	-	-	4/1(28)-5/7	-	-4/24	-	-4/5(6)	-	-	-4/14(75)	4/17
DUCK, AMERICAN BLACK	4/26	R	-4/8(8)	-	-4/26	4/6(8)	P	-	P	A-4/14(5)	P
MALLARD	R	R	R	R	R	R	R	R	A	R	R
PINTAIL, NORTHERN	5/25	-	-5/14	-	-	-	-	4/17(6)	-	-	-
TEAL, BLUE-WINGED	A-4/12(9)	-4/20(4)	-5/19(5)	-	-4/20(13)-5/10	4/10(4)	4/20-5/9	4/17-5/28	4/12(3)	4/14-22(7)	4/17-30(4)
SHOVELER, NORTHERN	4/19(6)	.4/20	-4/6	-	-4/1	-	4/30	-	4/15	4/5(10)-5/10	-
GADWALL	4/26(4)	-	-4/15	-	-5/10	-	-4/5	-	4/15	-4/13(6)	4/17
WIGEON, AMERICAN	-	-	-	-	-4/14(24)-20	-	-4/27	-	-	-4/2	4/14
CANVASBACK	-	-	-	-	-	-	-	-	-	-	-
REDHEAD	-	-	5/3	4/2-12	-4/5	-	-	-	-	-	-
SCOTER, SURF	-	-	-4/28(3)	-	-	-	-	-	-	-	-
WHITE-WINGED	-	-	-4/23L	-	-4/23L	-	-	-	-	-	-
GOLDENEYE, COMMON	-	-	-4/28(6)	4/6	4/2	4/6(16)	5/9	-	-	-	-
BUFFLEHEAD	-	-	-	4/6-12	4/2(25)-14	4/6-18(25)	5/3	-	P	-	-
MERGANSER, HOODED	-	-	A	4/6	4/2→	4/18(12)	-4/6	-5/1	P	-4/9(4)-16	P
COMMON	-	-	R	4/6→	-4/1	4/6-18(16)	-4/6(15)	-4/8	P	-	P
RED-BREASTED	4/20-27	-	4/28(4)	4/6	-4/2(25+)-14	4/18-26(11)	5/9	R	P	-4/2(25)-9	A
DUCK, RUDDY	4/20-5/9(7)	-	-	4/6(3)	-4/2(30+)	-	6/6	4/20	-5/3	-4/2(4)	P
VULTURE, BLACK	-	R	5/10-6/25(4)	-	-	4/8-18(17)→	R	-	-	-	-
TURKEY	A	R	A	A	A	R-5/6(22)	R	-	A	A	-
OSPREY	4/27-5/10	-	4/15→	4/6	4/14-5/10	4/21	4/6-20(4)	4/15	-5/3	A	P
EAGLE, BALD	-	-	5/18	-	4/15	-	5/16	-	A	-	P
HARRIER, NORTHERN	R	4/17	-	-	4/5-6/14	P	4/6	-	-	-	-
HAWK, SHARP-SHINNED	R	R	R	R	R	R	A	4/13	R	R	A
COOPER'S	R	R	R	R	R	R	R	P	R	R	A
GOSHAWK, NORTHERN	R	R	R	-	-	-	5/10-6/6	-	R	6/4L	A
HAWK, RED-SHOULDERED	4/20-5/23	R	R	-	R	-	R	-	A	-	P
BROAD-WINGED	4/20→	4/19→	A	-	A	P	4/16-26(6)→	5/11→	A	4/25(15)-5/10	4/29→
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	-	-	-	-	-	-	4/19	-	-	-	P
FALCON, PEREGRINE	-	-	-	-	-	-	-	-	-	R(6)	-
BOBWHITE, NORTHERN	-	R	A	-	-	R	-	-	-	P	-
RAIL, VIRGINIA	6/15→	-	5/3→	-	4/11-24(4)→	-	-	-	-	5/19	-
SORA	6/15→	-	5/3→	-	4/24-5/10(6)→	-	-	-	-	MAY	5/10(3)

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	LAWRENCE	LEBANON	LUZERNE	LYCOMING	MERCER	MIFFLIN	MONTGOMERY	MONTOUR	PERRY	PHILADELPHIA	POTTER
MOORHEN, COMMON	6/15→	-	-	-	6/13→	-	-	-	-	5/10-6/29(6)→	-
COOT, AMERICAN	4/5-12(6)-6/6	-	→5/24	4/5-6	→4/11(11)-5/2	-	→4/13(7)	→4/17(5)-5/10	P	4/5-13(60H)-5/26	5/20(3)
PLOVER, BLACK-BELLIED	5/6(9)	5/9	-	-	-	-	-	-	-	-	-
SEMPALMATED	5/25(3)	R	5/13-24	-	5/19	-	-	-	-	5/8	5/16
KILLDEER	A	R	A	A	A	A	A	A	A	A	A
YELLOWLEGS, GREATER	4/4(3)-26	5/4-9	4/8-5/19	-	4/6	-	-	4/26-5/11	-	4/5-5/10(4)	5/25
LESSER	4/26(5)-5/20	4/20-5/9	5/3-19	-	4/27(15)-5/10	-	4/27-5/1(5)	-	-	4/14-5/10	-
SANDPIPER, SOLITARY	4/26-5/6(7)-10	5/6-15	4/29-5/18	-	4/27(15)-5/10	-	4/27-5/18	-	5/3	4/30-5/10(5)	5/10
SPOTTED	4/22→	5/15→	5/3→	-	4/26→	5/10-15(4)→	P	4/28→	4/12→	5/1-6/7	5/6→
UPLAND	4/16-5/10(7)→	-	-	-	-	-	-	-	-	-	-
SANDPIPER, SEMIPALMATED	5/6-25(14H)	5/9(35H)	-	-	5/25	-	-	-	-	5/10-26(18)	-
LEAST	5/6(7)-20	5/4E-9	5/3-24(9)	-	5/8(11)	-	4/26-5/9(9)	-	-	5/18(40H)	5/6(5)
PECTORAL	5/8-25(31)	5/4	5/4(3)-5	-	5/11	-	4/26	-	-	4/1(15H)	-
DUNLIN	5/25(16)	-	-	-	-	-	5/19	-	-	-	5/7
DOWITCHER, SHORT-BILLED	-	4/19	-	-	-	-	-	-	-	-	-
SNIFE, COMMON	A-4/20(18)	4/20(5)-5/4	A	4/5	→4/1	-	→4/6(10)-6/5	-	-	4/5-16(28H)-6/4L	5/10
WOODCOCK, AMERICAN	A	A	A	-	A	4/2(4)→	-	A	A	A	A
GULL, LAUGHING	-	-	-	-	-	-	4/23	-	-	4/13E→	-
BONAPARTE'S	5/25	-	4/14(3)-5/4	4/6-12	4/9-24	-	-	-	P	-	4/12
RING-BILLED	→4/27(25L)-5/22	A	A	4/6	A	6/28	→4/13(80)	A	5/3→	A	P
HERRING	-	-	→4/15(11)	-	→4/1	6/10	A	5/14→	5/3→	A	4/2
GREAT BLACK-BACKED	-	-	-	-	-	-	4/6	-	P	A	-
TERN, CASPIAN	-	-	-	-	4/26	-	-	-	-	-	-
COMMON	-	-	-	-	4/27	-	-	-	-	-	-
FORSTER'S	-	-	-	4/6	5/10	-	-	-	-	4/24E	-
BLACK	5/20(4)	-	-	-	-	-	5/11	-	-	-	6/1
CUCKOO, BLACK-BILLED	6/2→	-	5/26→	4/6	5/19→	5/10→	JUN→	5/14→	5/3→	6/18→	6/6→
YELLOW-BILLED	-	5/15→	6/8→	-	6/3→	5/10→	5/19→	5/14→	5/3→	5/10→	6/28→
OWL, BARN	-	-	-	R	-	-	-	-	R	R	-
BARRED	R	R-5/31(5)	R	R	R	R	R	-	R	R	R
LONG-EARED	→4/5	-	-	-	-	-	-	-	-	-	-
SHORT-EARED	A	-	-	-	-	-	-	-	-	-	-
NORTHERN SAW-WHET	-	-	-	R	-	-	-	-	-	-	R
NIGHTHAWK, COMMON	5/21→	4/29→	4/27→	-	5/25→	5/10(3)→	5/24(7)→	-	-	5/18→	-
WHIP-POOR-WILL	-	5/31(4)→	4/30→	-	5/21	5/20(4)→	-	-	4/30→	-	5/6→
SWIFT, CHIMNEY	4/25→	5/4→	4/27→	4/29→	4/26→	5/10→	P	5/1→	4/24(6)→	4/16E→	5/2→
HUMMINGBIRD, RUBY-THROATED	5/6→	5/15→	5/17→	5/10→	5/9→	4/20→	4/28→	P	5/3→	5/3→	5/9→
WOODPECKER, RED-HEADED	5/8→	-	-	-	5/4→	5/10→	5/2-20	A	-	5/10-14	5/10
SAPSUCKER, YELLOW-BELLIED	-	-	4/6-29	-	4/4E-5/13	-	→4/4	-	→4/24	-	A
FLICKER, NORTHERN	A	R	R	A	R	R	R	R	A	R	A
FLYCATCHER, OLIVE-SIDED	-	-	-	-	-	-	5/24-28	-	-	5/19	-
WOOD-PEWEE, EASTERN	5/6→	4/27→	5/11→	5/21→	5/14→	5/8(8)→	P	4/20→	5/8→	5/10-6/14(24)→	5/9→
FLYCATCHER, YELLOW-BELLIED	-	-	-	-	6/3	-	-	-	-	-	5/31
ACADIAN	5/23→	5/15→	5/30→	-	5/8→	5/18→	P	-	5/3→	5/10-6/14(35)→	-
ALDER	5/22→	-	5/26→	-	5/24→	-	-	-	-	5/25-26	6/1→
WILLOW	5/7→	6/7→	5/11→	-	5/20→	-	P	6/12→	5/8→	5/10→	6/3→
LEAST	5/7→	5/3-14	5/3	5/6→	5/7→	-	5/6-18	5/18	5/3→	5/10-19	5/10→
PHOEBE, EASTERN	A	A	A	A	A	A	A	A	A	A	A
FLYCATCHER, GREAT CRESTED	5/7→	4/7→	5/3→	5/6→	5/6→	5/8(5)→	P	5/4→	5/3→	5/3→	5/13→
KINGBIRD, EASTERN	5/1→	5/7→	5/4-11(26)→	-	5/2→	5/10-14(5)→	P	5/10→	4/30→	5/3→	5/10→
LARK, HORNED	R	R	R	4/10	4/2	R	-	A	A	-	-
MARTIN, PURPLE	5/6→	4/26→	5/3→	-	4/3→	A	4/9-27(60)→	4/30→	4/30→	-	-
SWALLOW, TREE	A	4/19(15)→	A	A	A	4/6→	A	4/2→	A	A	4/6→
NORTHERN ROUGH-WINGED	4/12-5/8(40+H)→	5/15→	4/2E→	5/8→	4/11→	A	A	4/5→	A	A	5/10→
BANK	4/26→	P	5/4(6)→	-	5/10→	A	5/8(3)	6/4→	-	4/27→	6/20→
CLIFF	5/5	P	5/3(10)→	4/30→	-	-	5/8(4)	5/21(5)→	-	6/15	5/2→

SEASONAL OCCURRENCE TABLES - APRIL THROUGH JUNE 1997

	LAWRENCE	LEBANON	LUZERNE	LYCOMING	MERCER	MIFFLIN	MONTGOMERY	MONTOUR	PERRY	PHILADELPHIA	POTTER
BARN CROW, FISH	5/1→	4/16→	4/28→	4/29→	4/15→	4/8(6)→	4/15→	5/2→	4/24→	4/30→	4/24→
RAVEN, COMMON	-	R	R	A	-	-	A-4/2(50)	A	R	R	-
CHICKADEE, BLACK-CAPPED	R	R	R	R	-	R	-	-	R	-	R
CAROLINA NUTHATCH, RED-BREADED	-	R	-	-	-	R	R	R	R	R	R
CREEPER, BROWN	-	R	R	4/21	4/4	4/8	-	-	A	-	R
WREN, HOUSE	-	R	4/15→	-	4/1-14	4/6-MAY	-	-	A	4/5-15	A
WINTER WARTH	-	R	4/23→	4/2→	4/14→	4/2→	4/23→	P	4/30→	4/13→	5/10→
KINGLET, GOLDEN-CROWNED	-	R	4/22	-	4/6-13(6)→	-	-	-	A	4/5-13	5/7→
RUBY-CROWNED	-	R	4/19(16)→	4/21	5/8-6/13(6)→	A	-	-	A	4/14E→	-
GNATCATCHER, BLUE-GRAY	4/22→	4/19→	4/12→	4/24→	4/5E-5/10	5/10→	4/13→	5/11→	-	4/3	4/8
VEERY	5/9→	5/3→	5/3→	5/1→	4/23→	5/10→	4/13→	5/11→	4/12	4/2E→	5/10→
THRUSH, GRAY-CHEEKED	5/22	-	5/26	-	5/9	-	5/22	-	5/3→	5/1→	5/14→
SWAINSON'S HERMIT	5/20-22	5/2	5/22-26(3)	-	5/14-25	-	5/6-22(12)	-	5/8→	5/9-21	5/20
WOOD ROBIN, AMERICAN	5/2→	R	4/18-5/15(71)→	4/21→	5/16	5/10→	5/3→	4/12→	A	4/5-5/11L	APR→
CATBIRD, GRAY	4/20→	R	5/1→	R	5/2→	R	R	R	A	4/22→	5/8→
THRASHER, BROWN	4/14→	A	4/29→	-	4/5	4/18(6)→	P	5/1→	4/24→	4/22→	5/4→
PIPET, AMERICAN	-	A-4/20(200)	-	-	4/1	5/10→	4/26→	4/16→	4/24→	4/13→	4/21→
VIREO, WHITE-EYED	5/6(3)→	5/14→	5/10→	-	4/1	5/10→	4/1(3)	-	-	-	4/1
SOLITARY YELLOW-THROATED	4/25	4/27→	4/8→	5/6→	4/18-5/10	5/10→	4/11-5/11	5/11	4/30→	4/22→	5/31
WARBLING RED-EYED	5/8→	5/6→	5/3(3)→	-	5/8→	5/10→	P	5/11	4/30→	5/5→	5/5→
PHILADELPHIA WARBLER, BLUE-WINGED	5/21	5/6→	5/17	-	5/25	-	P	5/11→	5/3→	5/4→	-
TENNESSEE ORANGE-CROWNED	5/21-23(65H)	5/3	5/17-24(7)	-	5/8	-	5/9-24(5)	5/8	5/3(3)	5/5-21(3)-23	5/10
NASHVILLE PARULA, NORTHERN	5/22	5/3→	5/3(3)→	-	5/6-10	-	5/9-26	5/11-14	-	5/4-19	5/18
WARBLER, YELLOW CHESTNUT-SIDED	4/30→	4/26→	5/1→	5/7→	4/30(25+)→	5/4→	5/18(6)→	5/11→	5/3	5/1→	5/20→
MAGNOLIA CAPE MAY	5/6→	5/3→	5/2→	5/6→	5/9	5/10→	5/4-18(6)→	5/11→	4/30→	4/30→	5/7→
YELLOW-THROATED BLUE	5/9-23(35)	5/14→	5/3→	5/22→	5/3-23	5/10	5/4-18(10)-6/6	5/11	5/3(12+)	5/4-19(6)	5/10→
YELLOW-RUMPED	5/21-23	4/5E	5/3-4	-	5/25	5/4	5/9-12	-	5/3	5/13-23	5/18
BLACK-THROATED GREEN	5/9-22(5)	5/3-14(14)→	5/3(3)→	5/6→	4/7-24(100+)-5/10	5/10→	4/20-5/9(6)	P	5/3→	5/1-19(7)	5/10→
BLACKBURNIAN YELLOW-THROATED	4/30-5/23(12)	4/27-5/6(20)→	5/3(6)→	4/26→	4/30-5/10	4/10→	5/4-18	4/21-5/19	P	4/2(7)-5/24L	4/24→
PINE PRAIRIE	5/2-23(19H)	5/3-15	5/3→	-	5/5-23	5/20→	5/5-22	5/11	4/30→	4/15E-6/6L	4/27→
PALM BAY-BREADED	5/1-22	5/6→	4/28	4/29-5/6	5/2-13(4)	5/4→	4/27-5/10	-	4/13→	4/13E	5/10→
BLACKPOLL GERULEAN	5/20-22(18H)	5/15	5/18(7)-31	5/22	5/19	5/20→	4/6→	5/8→	4/24→	4/9(4)-5/1	-
WARBLER, PROTHONOTARY	5/22-23(4)	5/28	5/18-26(20)	-	5/25	5/4→	4/6(6)-25	-	4/30→	5/4-6/28L	5/1→
WORM-EATING OWENBIRD	5/9→	5/6(7)→	5/24→	-	5/25	5/20→	5/6→	5/11(4)→	4/24	4/9-13(17H)-5/11L	5/10
WATERTHRUSH, NORTHERN	5/6→	4/26(8)→	5/3→	4/21→	5/3→	5/20→	5/18(10)→	5/3→	5/18	5/10-18(8)-27	5/27(5)
LOUISIANA WARBLER, KENTUCKY	5/6→	5/2-15(18)→	5/1→	5/22	5/4→	5/4→	5/24→	5/11(14)	5/3	5/4E-26(20)-27	5/20
	5/5-7	5/3(3)→	5/8→	-	6/8→	5/4→	P	5/5	4/30→	5/1-11	-
	5/22	4/27-15(109)→	5/3→	5/6→	5/7→	4/28(6)→	P	5/10→	4/30→	5/1→	5/4→
	5/8→	4/27→	5/3→	5/15→	5/11	-	4/28	5/18→	5/18→	4/30-5/26	5/10→
	5/22	5/6-15(6)→	5/26→	-	5/19→	-	P	-	4/13→	5/1→	-

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	LAWRENCE	LEBANON	LUZERNE	LYCOMING	MERCER	MIFFLIN	MONTGOMERY	MONTOUR	PERRY	PHILADELPHIA	POTTER
CONNECTICUT	-	-	5/24	-	-	-	-	-	-	-	-
MOURNING	5/22-23	-	5/25	-	5/27	-	-	-	-	5/18-6/5	5/13→
YELLOWTHROAT, COMMON	5/8→	4/5→	5/3→	5/6→	5/3→	5/20(12)→	5/1→	5/10→	4/30→	4/30→	5/6→
WARBLER, HOODED	5/3→	5/14→	5/8(6)→	-	5/4→	6/10→	5/2→	-	5/3→	5/10-18	5/13→
WILSON'S	5/21	-	5/24-26(4)	-	5/9	-	5/18	-	5/3	5/10-26	5/25
CANADA	5/22(3)	5/15→	5/18→	-	5/19-23	-	5/11-18(4)	5/14	5/3(3)	5/10-21(12)	5/20→
CHAT, YELLOW-BREASTED	5/22→	4/26→	5/11→	5/1→	5/18→	5/20→	5/10→	-	4/30→	5/10→	5/19→
TANAGER, SCARLET	4/30→	4/26→	5/11→	5/22→	5/3→	5/10→	P	5/10→	4/30→	5/9→	5/19→
GROSBEAK, ROSE-BREASTED	4/19→	5/4→	5/3(8)→	5/3→	4/30→	5/10→	5/1	5/10→	4/24→	4/30-6/14	5/1→
BLUE	-	-	-	-	-	-	6/27→	-	-	5/10→	5/1→
BUNTING, INDIGO	5/6→	5/14→	5/1→	5/4→	5/2E→	5/1→	P	5/10→	4/24→	5/3→	6/58→
TOWHEE, EASTERN	A	R	-	4/30→	A	4/10→	A	4/17→	A	A	A
SPARROW, AMERICAN TREE	-	-	-	-	-	-	-	-	P	-	-
CHIPPING	4/1→	4/5→	-	A	4/4/15	-	-	-	A	A	4/17→
FIELD	A	R	5/6→	-	A	4/11(7)→	A	4/12→	A	A	4/17→
VESPER	4/26→	R	5/8→	-	A	5/20→	4/6-20	6/12→	A	R-4/14(15)	A
SAVANNAH	4/4L(7)→	R	A	-	A	6/10→	4/6-5/18	P	A	4/1	5/10→
GRASSHOPPER	5/2-6/13(20)→	4/26→	5/1→	-	A	6/14→	5/11	P	A	4/30→	5/10→
HENSLOW'S	5/2-6/13(15)→	-	-	-	4/20→	-	-	-	-	-	-
FOX	-	-	-	-	-	-	-	-	-	-	-
SWAMP	5/10	R	5/14	R	5/9	5/10→	5/18	5/10→	5/18	5/18-19	4/8
WHITE-THROATED	-	-	-	-	-	-	-	-	-	-	-
WHITE-CROWNED	5/10	R	5/3-8	5/6	5/1-11	5/22(21)	5/15	5/5	5/18	R	4/6→
JUNCO, DARK-EYED	5/21L	R	5/8(20)→	R	4/1(28)-28	5/1→	5/1	5/10→	5/10	5/10(37)-25	5/10→
BOBOLINK	A	R	A	A	A	5/8(30+)→	A	A	A	R	R
MEADOWLARK, EASTERN	A	R	A	A	A	5/10→	A	A	A	R	A
BLACKBIRD, RUSTY	4/26(11)	R	-	-	4/6-11/19(9)	5/20→	-	4/2	4/24	4/13-22(7)	-
BLACKBIRD, COMMON	A	R	A	A	A	5/20→	A	A	A	R	A
COWBIRD, BROWN-HEADED	A	R	A	A	A	5/20→	A	A	A	R	A
ORIOLE, ORCHARD	5/7→	-	5/11→	-	5/7→	6/2→	P	-	5/3→	5/3→	5/10→
BALTIMORE	5/9→	5/3-15(16)→	5/3(9)→	5/4→	5/1→	5/4→	P	5/4→	4/30→	4/9E→	5/6→
FINCH, PURPLE	4/19→	-	A	R	-	4/1-5/8(12+)→	-	4/13	-	-	R
SISKIN, PINE	-	-	-	-	-	-	-	-	-	-	-
LOON, COMMON	4/4-5/3(4)-16	-	4/10(5)-5/9	4/3(4)-5/10	4/17(6)-29	-	5/10	4/11-5/7	5/8	4/11-5/18	5/10
GREBE, PIED-BILLED	4/3-17(3)-5/10	-	4/21(39)-5/7	4/24(2L)	4/29→	-	4/18	5/2	A	-	4/15
HORNED	-	-	4/26(4)	4/3(4)	4/17(17)	-	5/6	-	4/1	4/10	4/11
RED-NECKED	4/15	-	-	4/6	-	-	4/24	-	-	-	-
CORMORANT, DOUBLE-CRESTED	4/25-5/3(7)-23	4/12	4/1-5/12(45)-6/17	5/7-5/10	4/29(11)-6/20	-	4/6-6/25	APR-5/9(40)	4/13(19)-5/27	4/11-5/14	A
BITTERN, AMERICAN	4/7-5/10	-	4/21(2)	6/29→	-	-	-	-	4/19	-	-
LEAST	-	-	-	-	6/30	6/12	-	-	-	-	-
HERON, GREAT BLUE	A-4/4(7)	A	A	A-4/29(17)	A-4/27(30)	A	R	R	r	A	R
EGRET, GREAT	4/30-5/28	-	4/26-28	-	-	-	4/18-5/23	-	4/13-5/1	5/2	A
SNOWY	-	-	-	-	-	-	-	-	4/16	-	4/15
HERON, GREEN	5/1→	-	-	5/10→	4/29→	5/5→	5/2→	P→	4/18→	5/10→	5/9→
NIGHT-HERON, BLACK-CROWNED	-	-	-	-	-	-	-	-	-	-	A
SWAN, TUNDRA	-	-	-	-	-	-	4/21	-	-	-	6-4/2
MUTE	R	-	6/6	5/1N→	-	-	-	R	-	-	A
GOOSE, SNOW	-	-	-	-	-	4/29(7)	4/20	-	-	-	-
CANADA	R	R-6/27(28)	R	A	A-5/30(24)	R	R	R	r	R	R
DUCK, WOOD	R	A	A	A	A-5/30(19)	A	A	A	a	A	R
TEAL, GREEN-WINGED	4/4-15(6)→	-	4/5	-	-	-	-	P	4/4	4/12(4)	4/13

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	SCHUYLKILL	SNYDER	SOMERSET	SULLIVAN	TIOGA	UNION	VENANGO	WARREN	WESTMORELAND	WYOMING	YORK
DUCK, AMERICAN BLACK	A	-	-	4/6(4)→	-	-	-	-	R	-	R
MALLARD	R	R	R	A	A-5/30(7)	R	R	R	R	-	R
PINTAIL, NORTHERN	-	-	-	-	-	-	-	-	-	-	-
TEAL, BLUE-WINGED	4/13-5/10	-	-	4/10-12	4/17	-	4/4-5/10	4/20	-	-	-
SHOVELER, NORTHERN	-	-	-	-	-	-	4/20(7)-5/10	4/16	-	-	-
GADWALL	-	-	-	-	-	-	-	-	-	-	-
WIGEON, AMERICAN	-	-	-	-	-	-	-	4/16	-	-	-
CANVASBACK	-	-	-	-	-	-	-	-	-	-	-
REDHEAD	-	-	-	-	-	-	-	-	-	-	-
DUCK, RING-NECKED	-	-	-	-	-	-	-	-	-	-	-
SCAUP, GREATER	-	-	-	-	-	-	-	-	-	-	-
LESSER	-	-	-	-	-	-	-	-	-	-	-
OLDSQUAW	-	-	-	-	-	-	-	-	-	-	-
SCOTER, SURF	-	-	-	-	-	-	-	-	-	-	-
WHITE-WINGED	-	-	-	-	-	-	-	-	-	-	-
GOLDENEYE, COMMON	-	-	-	-	-	-	-	-	-	-	-
BUFFLEHEAD	-	-	-	-	-	-	-	-	-	-	-
MERGANSER, HOODED	-	-	-	-	-	-	-	-	-	-	-
COMMON	-	-	-	-	-	-	-	-	-	-	-
RED-BREASTED	-	-	-	-	-	-	-	-	-	-	-
DUCK, RUDDY	-	-	-	-	-	-	-	-	-	-	-
VULTURE, BLACK	-	-	-	-	-	-	-	-	-	-	-
TURKEY	-	-	-	-	-	-	-	-	-	-	-
OSPREY	-	-	-	-	-	-	-	-	-	-	-
EAGLE, BALD	-	-	-	-	-	-	-	-	-	-	-
HARRIER, NORTHERN	-	-	-	-	-	-	-	-	-	-	-
HAWK, SHARP-SHINNED	-	-	-	-	-	-	-	-	-	-	-
COOPER'S	-	-	-	-	-	-	-	-	-	-	-
GOSHAWK, NORTHERN	-	-	-	-	-	-	-	-	-	-	-
HAWK, RED-SHOULDERED	-	-	-	-	-	-	-	-	-	-	-
BROAD-WINGED	-	-	-	-	-	-	-	-	-	-	-
RED-TAILED	-	-	-	-	-	-	-	-	-	-	-
ROUGH-LEGGED	-	-	-	-	-	-	-	-	-	-	-
EAGLE, GOLDEN	-	-	-	-	-	-	-	-	-	-	-
KESTREL, AMERICAN	-	-	-	-	-	-	-	-	-	-	-
MERLIN	-	-	-	-	-	-	-	-	-	-	-
FALCON, PEREGRINE	-	-	-	-	-	-	-	-	-	-	-
BOBWHITE, NORTHERN	-	-	-	-	-	-	-	-	-	-	-
RAIL, VIRGINIA	-	-	-	-	-	-	-	-	-	-	-
SORA	-	-	-	-	-	-	-	-	-	-	-
MOORHEN, COMMON	-	-	-	-	-	-	-	-	-	-	-
COOT, AMERICAN	-	-	-	-	-	-	-	-	-	-	-
PLOVER, BLACK-BELLIED	-	-	-	-	-	-	-	-	-	-	-
SEMPALMATED	-	-	-	-	-	-	-	-	-	-	-
KILLDEER	-	-	-	-	-	-	-	-	-	-	-
YELLOWLEGS, GREATER	-	-	-	-	-	-	-	-	-	-	-
LESSER	-	-	-	-	-	-	-	-	-	-	-
SANDPIPER, SOLITARY	-	-	-	-	-	-	-	-	-	-	-
SPOTTED	-	-	-	-	-	-	-	-	-	-	-
UPLAND	-	-	-	-	-	-	-	-	-	-	-
SANDPIPER, SEMIPALMATED	-	-	-	-	-	-	-	-	-	-	-
LEAST	-	-	-	-	-	-	-	-	-	-	-
PECTORAL	-	-	-	-	-	-	-	-	-	-	-
DUNLIN	-	-	-	-	-	-	-	-	-	-	-
DOWITCHER, SHORT-BILLED	-	-	-	-	-	-	-	-	-	-	-
SNIFE, COMMON	-	-	-	-	-	-	-	-	-	-	-
WOODCOCK, AMERICAN	-	-	-	-	-	-	-	-	-	-	-

SEASONAL OCCURRENCE TABLES - APRIL THROUGH JUNE 1997

	SCHUYLKILL	SNYDER	SOMERSET	SULLIVAN	TIOGA	UNION	VENANGO	WARREN	WESTMORELAND	WYOMING	YORK
PHALAROPE, WILSON'S	6/18-20	-	-	-	-	-	-	-	-	-	-
GULL, BONAPARTES	4/1(6)	6/13	4/14(60)	-	4/17(55+)	-	4/4-5/6	-	4/15(9)	-	-5/10
RING-BILLED	4/1	-	4/14-5/15(500)	-	-4/17(15)-5/11	A	-6/7	-4/1(18)-5/5	P	P	A
HERRING	-	-	-	-	4/17	-	4/6	-4/1(8)-16	A	-	A
TERN, CASPIAN	-	-	4/26-5/13(4)	-	-	-	5/3	-	4/24-5/10	-	-
COMMON	-	-	5/12(3)-13	-	-	-	-	-	4/13	-	-
FORSTER'S	-	-	-	-	-	-	5/3-6(4)-10	-	4/13-5/1	6/14	-
BLACK	-	-	5/12(13)-13	-	-	-	5/3-10	-	-	-	-
CUCKOO, BLACK-BILLED	5/8→	5/18→	-	6/6→	5/22→	-	5/31→	5/31→	5/8→	-	5/8→
YELLOW-BILLED	5/27→	-	-	6/29→	-	6/15→	6/9→	5/31→	P→	5/23→	5/10→
OWL, BARN	R	-	-	-	-	-	-	5/31→	R	-	R
BARRED	R	R	R	R	R	R	6/8→	R	R	R	R
SHORT-EARED	-	-	-	-	-	-	6/8→	-	-4/16	-	-
NORTHERN SAW-WHET	R	-	-	-	R	-	-	R	-	-	-
NIGHTHAWK, COMMON	6/4→	-	5/22→	-	-	-	5/18→	P	5/24→	5/24→	5/24→
WHIP-POOR-WILL	4/14→	-	-	-	-	-	6/4→	-	5/15-26	-	4/20
SWIFT, CHIMNEY	5/1(4)	5/2→	-	5/10→	5/8→	5/5(10)→	4/28→	P	5/2→	5/2→	4/25→
HUMMINGBIRD, RUBY-THROATED	4/29	5/2→	5/1→	5/5→	5/11→	5/5→	5/5→	P	5/2-18(20)→	5/10→	4/27→
WOODPECKER, RED-HEADED	5/10	-	5/15	-	-	5/5→	-	R	P	-	R
SAPSUCKER, YELLOW-BELLIED	4/5-23	-	4/5	6/4/6→	R	-	4/3-5/16	A	-4/12	4/5→	-4/12
FLICKER, NORTHERN	R	P	-	A	A	A	R	R	5/18	R	R
FLYCATCHER, OLIVE-SIDED	-	-	-	-	-	-	5/31-6/7	R	-	-	-
WOOD-PEWEE, EASTERN	5/12→	5/15→	-	MAY→	5/23→	6/6(6)→	5/10→	P	5/12→	5/18→	5/10→
FLYCATCHER, YELLOW-BELLIED	-	-	-	JUN→	-	-	-	5/21	5/18-27(6)-31	-	-
ACADIAN	5/26→	6/13→	5/26→	6/24→	-	6/11→	6/8-21	P→	5/9→	5/18→	5/10→
ALDER	6/5-17	-	6/7	5/18→	5/25-30(7)→	-	5/23→	-	5/25→	-	5/28→
WILLOW	6/14→	6/13→	5/20→	-	6/1→	-	6/1→	-	5/18→	5/25→	5/10→
LEAST	5/10→	6/11→	-	5/18→	5/12→	5/8(4)→	5/9-26	5/6→	5/3-18(10)→	5/10→	5/10→
PHOEBE, EASTERN	A	A	A	A	4/3→	5/8→	A	A	A	A	A
FLYCATCHER, GREAT CRESTED	5/3→	4/27→	5/1→	6/24→	5/14→	5/8→	5/10→	P→	5/2→	5/3→	4/30→
KINGBIRD, EASTERN	5/3→	4/26	-	66/4→	5/9→	6/6→	5/3→	P→	5/2→	5/2→	4/29→
LARK, HORNED	-5/10	-	-	-	-	4/22	4/21-5/3	-	A-5/21(15)	R	5/10
MARTIN, PURPLE	4/6→	-	-	-	5/5→	-	-	A	4/27→	5/2→	4/10→
SWALLOW, TREE	A-4/39(15)	6/13→	A	4/13(75)→	4/6-17(300+)→	4/21(8)→	A	4/6→	A	A	A
NORTHERN ROUGH-WINGED	4/13	5/4→	6/4/5→	5/8→	5/5→	MAY→	4/26→	-	4/7→	4/14→	A
BANK	5/20	-	6/7→	-	5/2→	-	5/3→	P→	4/14→	5/2→	4/24→
CLIFF	5/7-10(6)	-	-	-	5/10→	-	5/3→	P→	4/28→	5/3→	5/2→
BARN	4/16→	4/26→	-	4/13→	4/17→	MAY→	4/24→	P→	4/1→	5/2→	A
CROW, FISH	A	-	-	-	-	-	-	-	-	A	R
RAVEN, COMMON	R	R	R	R	R	R	R	R	R	R	R
CHICKADEE, BLACK-CAPPED	R	R	R	R	R	R	R	R	R	R	R
CAROLINA	-	-	-	5/24	-	-	-	-	R	-	R
NUTHATCH, RED-BREASTED	5/10→	-	5/1-17	R	R	-	-	P	A	-5/10	4/14
CREEPER, BROWN	R	-	R	R	R	R	R	P→	R	R	-
WREN, HOUSE	4/16→	4/15→	-	5/8→	4/24→	4/21→	5/2→	P→	4/9→	5/2→	4/20→
WINTER	4/16-5/10	A-6/13(8)	-	4/14→	R	-	4/2-5/15	4/2→	R	R	-5/8L
MARSH	-	-	-	-	5/30(13)→	-	-	-	-	-	-
KINGLET, GOLDEN-CROWNED	4/1→	4/15	-	R	-	P→	-6/21	-4/15	R	-	-6/13L
RUBY-CROWNED	4/7-5/23	-	4/23(10+)	4/12(6)	4/23-29	5/8(6)	4/6-21(50)-5/22	4/20-27	4/28-5/10	4/28-5/10	-5/10
GNATCATCHER, BLUE-GRAY	4/15→	5/18→	-	5/4→	4/24-5/11(6)→	4/21-5/8(6)→	4/21→	4/15→	4/6→	4/11→	4/6→
VEERY	4/16→	5/10→	-	5/10→	5/10→	5/8→	5/3→	5/6→	5/8→	5/10→	5/8→
THRUSH, GRAY-CHEEKED	5/23	-	-	5/10	-	5/1	-	5/13-31	-	-	5/8-6/16
SWAINSON'S	5/2/6/24	-	-	6/30	-	-	5/2-26	5/2	5/1-27(3)	-	5/10-28
HERMIT	A	6/13	4/9	A	A	4/21	4/6→	4/16→	A	5/7→	-5/20
WOOD	5/2→	5/3→	5/1→	5/8→	5/6→	5/5-6/6(10)→	5/3→	5/5→	4/27→	5/4→	4/10→
ROBIN, AMERICAN	R	R	A	A	R	R	R	R	R	R	R
CATBIRD, GRAY	5/1→	5/1→	P	5/7→	4/23→	5/8(6)→	4/24→	P→	5/1→	5/2→	A

SEASONAL OCCURRENCE TABLES - APRIL THROUGH JUNE 1997

	SCHUYLKILL	SNYDER	SOMERSET	SULLIVAN	TIoga	UNION	VENANGO	WARREN	WESTMORELAND	WYOMING	YORK
THRASHER, BROWN	4/20→	4/14→	P	4/24→	4/23→	5/8→	4/6→	4/30→	A	5/10→	4/5→
PIBIT, AMERICAN	4/1	-	-	-	-	4/21-22(50+)-24	5/4-10	-	-4/1	4/5-5/3(15)	-
VIREO, WHITE-EYED	5/15→	6/11→	5/13→	-	-	-	5/9→	-	4/27→	-	4/25→
SOLITARY	4/15→	6/11→	-	4/15→	4/24→	5/8	4/18→	4/24→	4/14→	5/2→	4/28→
YELLOW-THROATED	5/1→	-	6/6→	-	5/30(3)→	5/7→	5/5→	-	4/30→	5/6→	5/3→
WARBLING	5/10→	6/25→	-	-	5/27-30(4)→	5/3→	5/5→	-	5/2→	5/3→	5/10→
PHILADELPHIA	5/24	-	-	-	-	-	5/20-31	-	5/16-26	-	-
RED-EYED	5/6→	6/13→	P	5/10→	5/18→	MAY→	5/18→	P→	5/2-19(16)→	5/12→	5/3→
WARBLER, BLUE-WINGED	5/1-10(12)→	-	-	-	6/1→	-	5/1→	5/1→	5/9-18(4)→	5/5→	5/3→
GOLDEN-WINGED	5/10→	-	-	-	5/24	-	6/8-21	P→	5/11-18(3)→	-	-
TENNESSEE	5/14-24	-	-	-	5/22-25	-	5/8-23	5/11	5/9-23(10)-28	5/24-26	5/10-27
ORANGE-CROWNED	-	-	-	-	-	-	-	-	5/7-21	-	-
NASHVILLE	5/5-17(7)-31	-	-	5/10→	5/18-23	5/8→	5/3-23	5/9→	5/1-21(18)-6/11	5/3→	5/6-18
PARULA, NORTHERN	4/14-28(6)→	-	-	-	5/22→	-	5/3→	4/29→	4/22→	5/3→	4/15→
WARBLER, YELLOW	4/24→	5/3→	P	5/10→	4/29→	5/8→	5/3→	5/6→	4/26→	5/1→	5/2→
CHESTNUT-SIDED	5/4→	6/28→	5/13→	5/10→	5/12(8)→	5/8(4)→	5/6→	5/6→	5/2→	5/3→	5/3-18
MAGNOLIA	5/6→	-	5/13	5/10→	5/22-23(5+)→	5/17→	5/8-6/22	5/2→	5/8-19(35)→	5/3→	5/3-26
CAPE MAY	5/10-16	-	-	-	-	5/17	5/7-22	P	5/15	4/30E	5/17
BLACK-THROATED BLUE	5/2→	6/13→	5/10	5/10→	5/10→	5/1(6)→	5/7-6/21	P→	4/27-19(10)→	5/2→	5/3-29
YELLOW-RUMPED	→5/10(28)-24	4/27	4/26	A-5/2(24)	4/19-28(50+)→	4/30-5/2(30)	4/9-5/23	→4/21	→5/16(6)	4/5→	→5/18
BLACK-THROATED GREEN	4/24→	6/13(6+)→	-	5/3→	5/18→	5/3-5(4)	4/26→	5/6→	4/17→	5/1→	5/2-20
BLACKBURNIAN	5/6→	6/13(6+)→	-	5/10→	5/22→	5/8→	5/5-6/21	5/5→	5/1→	5/1→	5/3-29
YELLOW-THROATED	-	-	-	-	-	-	4/19→	4/15→	4/4→	-	4/12→
PINE	A	-	-	5/10(6)	6/10→	5/7→	4/9-5/10	4/2→	4/30-5/10	A	A
PRAIRIE	4/30→	-	-	6/6→	5/18-6/1	5/7→	6/14→	-	4/23→	5/3→	5/10→
PALM	4/6-20(24)-5/16	-	5/17	4/13-5/10	5/10	5/5-8(12)	4/27-5/23	4/11-5/5	5/13-18	5/1	5/10
BAY-BREASTED	5/16(4)-24	-	-	6/24	5/2	5/22(3)	5/17-27	5/23(3)	5/8-23	5/10-22(3)-6/5L	5/10-31
BLACKPOLL	5/18(4)	-	-	-	5/3-26(3)-6/3	5/20	5/15-6/1	5/23-6/8	5/16-6/3	5/14-6/2	5/10-31
CERULEAN	5/10→	-	-	-	5/23	5/3→	5/3→	P→	5/2-31(6)→	5/8→	5/3→
BLACK-AND-WHITE	4/22→	6/13→	-	5/2→	5/9→	5/3-7(7)→	5/5→	P→	4/22→	5/3→	4/13→
REDSTART, AMERICAN	5/2→	-	-	5/10→	5/9→	5/8→	5/1→	5/2→	5/1-19(17)→	4/28→	5/3→
WARBLER, PROTHONOTARY	-	-	-	-	5/10	-	-	-	4/13	-	5/28→
WORM-EATING	5/5→	-	-	-	5/30	6/14→	6/5-8	-	5/1→	5/12→	5/3→
OVENBIRD	4/27→	4/28→	-	5/3→	5/6→	5/22→	4/30→	5/2→	4/25→	5/1→	4/30→
WATERTHRUSH, NORTHERN	5/10→	5/19	6/9	5/2	-	5/8	5/4-18	P→	4/28-31	5/3→	5/10-24
LOUISIANA	4/15→	6/13→	-	6/24→	-	-	4/6→	4/19→	A	4/12→	5/10-24
WARBLER, KENTUCKY	5/23→	-	-	-	5/22	-	5/9-6/25	P	5/4→	-	5/5→
CONNECTICUT	-	-	-	-	5/23	-	-	6/8N	5/21	-	5/21
MOURNING	5/18	-	-	5/18→	-	-	8/5/8→	6/8→	5/2-27(8)-6/10	6/3	5/18
YELLOWTHROAT, COMMON	5/1→	5/3→	P	5/4→	5/6→	5/5(4)→	5/3→	P→	4/30-5/18(14)→	5/2→	4/6→
WARBLER, HOODED	5/22→	6/14→	-	-	-	6/25→	5/7→	5/7→	4/13→	5/14→	5/13-20
WILSON'S	5/23	-	-	-	5/22(4)-23	-	5/14-27	5/23	5/6-20(8)-6/5	5/23	5/11-15
CANADA	5/23→	6/28→	-	5/18→	5/22-23(3)	-	5/8→	P→	5/1-17(17)→	5/5→	5/10-26
CHAT, YELLOW-BREASTED	5/21→	6/13-27(3)→	-	-	5/23	6/14→	5/19	5/13→	5/2-13(3)→	6/9	5/9→
TANAGER, SCARLET	5/8→	5/8→	4/27→	4/28E→	5/22→	5/5→	5/9→	5/1→	4/30→	5/3→	5/9→
GROSBEAK, ROSE-BREASTED	5/1(6)→	-	5/2-15(7)→	5/2→	5/1→	6/6→	5/2→	5/1→	5/1→	5/3→	5/2→
BLUE	5/3-10	-	-	-	-	-	5/17N-18	-	-	-	4/27→
BUNTING, INDIANO	5/2→	4/27→	-	5/2→	5/1→	5/17→	5/7→	P→	5/1→	5/10→	4/29→
TOWHEE, EASTERN	4/3→	4/15→	4/9→	A	4/14→	4/10→	A	A	R-4/19(20)	4/5→	R
SPARROW, AMERICAN TREE	-	→APR	-	-	→4/20	→APR	→4/9	→P	-	→4/5	→4/13
CHIPPING	A	6/13→	A	4/7→	4/6→	5/8→	4/6→	P→	4/5-5/2(17)→	4/5→	R
FIELD	A	6/9→	A	4/26→	4/6→	4/21→	A	4/7→	R	4/5→	A
VESPER	A	4/24→	4/5→	-	-	4/9→	-	-	R	5/10→	5/10→
SAVANNAH	5/1(3)-10	5/10→	4/9→	4/13→	5/9(10)→	-	4/20→	4/6→	A	5/2→	4/27→
GRASSHOPPER	6/18(4)→	4/25(4)→	-	6/28→	5/9(8)→	6/25→	5/22→	-	4/20→	6/12→	6/21→
HENSLOW'S	-	-	-	6/16→	-	-	5/3→	-	P→	5/2→	-
FOX	→4/1	5/10	→4/26	-	-	-	4/10-21(4)	4/6	→4/18	→4/5	→4/4

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	SCHUYLKILL	SNYDER	SOMERSET	SULLIVAN	TIOGA	UNION	VENANGO	WARREN	WESTMORELAND	WYOMING	YORK
LINCOLN'S SWAMP	-	-	-	-	5/22	5/8	5/2-9	5/19	5/7(3)+26	-	5/14-28
WHITE-THROATED	A	-	4/26→	4/24→	A-5/30(36)	5/2→	4/4→	4/4→	R	4/2→	R
WHITE-CROWNED	→5/10	-	→5/15	R	→5/8	→5/17	→5/10	→APR	6→5/20	A	→5/21
JUNCO, DARK-EYED	→5/10	→5/14	-	→5/10(4)	5/2-14(7)-29	→5/18	5/6-10	P	5/3-6/6	5/8-10	→5/11
BOBOLINK	5/10(4)	R-6/28(12)	-	R	R	R	R	R	R	R	→5/3
BLACKBIRD, RED-WINGED	A	5/4→	-	5/10-6/4(22)→	5/2-13(21)→	-	5/3→	P→	5/2→	5/3→	5/3-10
MEADOWLARK, EASTERN	A	A	R	A	A	A	A	A	R	A	R
BLACKBIRD, RUSTY	A	6/13→	R	4/13(10)→	A	6/23→	A	P→	R	A	R
GRACKLE, COMMON	-	-	-	4/14-5/10(10)	-	-	-	4/15	P	-	6→5/10
COWBIRD, BROWN-HEADED	A	A	A	A	A	A	A	A	R	A	R
ORIOLE, ORCHARD	A	4/27→	A	A	A	A	A	A	R	A	R
BALTIMORE FINCH, PURPLE	5/1→	5/11→	-	5/10→	-	-	-	-	5/1→	-	5/7→
SISKIN, PINE	→4/29(24)-5/10	5/3→	5/13(4)→	5/5→	5/3→	5/5-8(4)→	5/5→	5/7→	4/29→	5/3→	5/3→
	→5/10(3)	-	4/6	R	R	-	R	-	R	5/3	→5/10
				5/10(4)				→4/22			

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