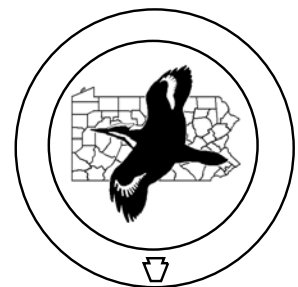


PENNSYLVANIA BIRDS



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PENNSYLVANIA BIRDS

Journal of the Pennsylvania Society for Ornithology



VOLUME 10, NUMBER 4, OCT – DEC 1996

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from the Editors...

CORRECTIONS, CORRECTIONS, CORRECTIONS!

Unlike some people, we are always willing to admit our mistakes. And boy, did we screw up last issue!

First, in the confusion of the largest turnover of compilers since we started ten years ago, we assigned some of the new compilers to the wrong counties. John Fedak is the new compiler for *Jefferson*, not *McKean*. And Linda Ordiway is the new compiler for *McKean*, not *Forest*.

Birdwise, we also blew it. The photographs labeled as Red-necked Phalaropes in the last issue were actually Red Phalaropes.

Also, the Dickcissel reported from Westmoreland last issue remained until 7/15, not 9/15.

Our apologies to all concerned and thanks to those who pointed out our errors.

MORE NEW COMPILERS

As stated in the last issue, we were in need of compilers for several additional counties. Well, those needs have been met. Laurie Goodrich has returned for another stint at compiling *Schuylkill*, Jeff Hoppes has volunteered for *Lancaster*, Bill King has taken on the responsibilities for *Blair*, and Ann Bacon has been recruited for *Philadelphia*. Their addresses and phone numbers can be found in the list of compilers in the back of this issue. We welcome them aboard and ask you to support them with your timely submission of reports.

CBC REPORTS

This is the annual Christmas Bird Count issue, and again, one of the CBCs refused to share their data with the readers of *Pa. Birds*. It is unfortunate that this kind of attitude continues to exist in the state when

such progress has been made in the last ten years in unifying the birding community statewide and in sharing information.

However, in spite of this, Alan Gregory continues to persevere and has put together another great summary of this year's CBCs. Next to compiling the quarterly reports, the CBC and NAMC reports are the biggest job at *Pa. Birds* and Alan's (and his wife, Monica's) efforts are very much appreciated.

HAWK WATCH REPORTS

This is also the Fall Hawk Watch report issue, and Frank Hohenleitner has again provided us with a terrific summary of this fall's hawk migration. It certainly was a notable season, especially for Hawk Mountain and specifically for Broad-winged Hawks. It just goes to show how important and fickle the weather can be in affecting bird migration patterns.

We are always dismayed when birders react to a "good" migration or "bad" migration as if that was a barometer of the population trends of one or many species. Only long-term, statistically analyzed data about migration can give even a hint of true population trends. Much better are long-term widespread breeding ground studies which are much less weather-affected.

We get as excited as anyone when witnessing a fantastic fallout and we get frustrated and depressed when the spring or fall migration is "poor." But neither is generally significant in terms of population. Even when thousands of birds perish in a storm during migration, it is often not statistically significant to the overall population. Exceptions would be rare and endangered species for which such a loss could be catastrophic. So, let's keep our perspective.

ANNUAL PSO MEETING

The Annual Meeting of the Pennsylvania Society for Ornithology will be held on May 16-18 at the Mont Alto campus of Penn State University in Franklin County. Details are listed elsewhere in this issue. If you have not attended one of these meetings, you are really missing out. There are always interesting and informative (and entertaining) programs, great socializing, and terrific field trips. You get to bird in a part of the state that you may never have birded in before. And, you are guided by local birders who really know the area. You don't have to be a PSO member to attend, but we certainly encourage membership.

Come and join us! Meet some of the people behind the names that you see in *Pa. Birds*. And, above all, have a good time. ♣

Barb & Frank Haas
Chief Editors

Misinformation in PSO Newsletter: Rt. 220 Expansion and National Audubon Society

In the March 1997 issue of the *PSO Newsletter* (newsletter of the Pennsylvania Society for Ornithology), President Bob Ross stated in his message on page 1 "We hear that the National Audubon Society dropped their opposition to the ridge route in exchange for funding of favored bird programs." However, Gary Crossley, Coordinator of the Pennsylvania IBA Program of the National Audubon Society (NAS), informs me that this statement is incorrect. Officially, the NAS was not involved with the Rt. 220 project, and the state Audubon Council as well as several local chapters have firmly opposed the ridge route.

Bob Ross, President, PSO

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1996-97 Christmas Bird Count

by Alan C. Gregory

The 1996-97 Christmas Bird Count — the 97th CBC — was held during the period 20 December to 5 January. A total of 64 counts was conducted in Pennsylvania, but data from the second-year Mt. Davis count were not made available to us in time for publication. We also print here, for the first time, data from the Curtin count, which was established for the 1995-96 season. To our knowledge, there was no new count established in Pennsylvania for the 97th CBC. The long-established Johnstown count was conducted again after a one-year layoff in the 1994-95 season, and Dingmans Ferry, last held in the 1994-95 season, was not restarted.

WEATHER

The 1996-97 winter was, by nearly all accounts, one of the mildest in several decades. One year after a winter that put six feet of snow on some parts of Pennsylvania, most of the Northeast experienced a mostly balmy winter in 1996-97.

Snowfall data help tell the story. Pittsburgh recorded 76.5" of snow from October to April in 1995-96, but only 27.1" for the same period this year, well below an average of 43.5" of snow.

December, January, and February all had temperatures well above average and snowfall well below normal in eastern Pennsylvania, especially in Philadelphia, where the temperature never dropped into the teens during February, the National Weather Service reported. Those three months also were warmer than average in the Pittsburgh region, although Pittsburgh's November was colder-than-average.

Returning to the Philadelphia area, only 5.8" of snow fell in the period December to February this winter, way below the 54" that fell during the same period in 1995-96. A total of 30.7" of that snowfall fell during the now famous 7 January 1996 "Blizzard of the Century."

Portions of northwest Pennsylvania did receive substantial lake-effect snow in early November this year, but the relatively balmy weather that ensued later on covered that region as well.

"Last winter we had a lot of storms that were kind of northeasters ... When that happens we're kind of on the cold side," National Weather Service meteorologist Al Cope told the Associated Press. In the 1996-97 winter, the storms formed in lower Mississippi Valley and moved up the Ohio Valley and the Great

Lakes, leaving much of the East on the warm side, Cope told the AP.

Meteorologist Wayne Rumberg explained that the jet stream, the global wind belt that separates regions of cold and warm air, mostly kept colder Canadian air masses from bringing a deeper chill to the Northeast.

The following high temperatures for 28 February were indicative of the relatively balmy winter that Pennsylvanians enjoyed this year: Harrisburg, 78; Philadelphia, 74; Allentown, 72; Wilkes-Barre and Scranton, 70; and Williamsport, 65. Pittsburgh, meanwhile, had a record high of 73 on 21 February.

CBC participants in Susquehanna County, normally one of the snowier areas during Pennsylvania winters, worked in mud on 4 January, with temperatures in the low- to mid-50s. The Bedford County crew, meanwhile, was in the field on 28 December and reported no snow and temperatures ranging from 39-45. Warren compiler Michael Toole noted temperatures ranging from 10-33 for that 21 December count. In Bethlehem, co-compilers Don and Elaine Meese recorded temperatures ranging from 32-47 on their 28 December count. The temperature range for the 22 December State College count was 22-30 and the Harrisburg count was conducted on 21 December in temperatures ranging from 30-32. In southwestern Pennsylvania, the range for the 29 December Rector count was 50-62 degrees, and no snow cover.

Some compilers noted that the warm temperatures and lack of snow cover kept their tallies of some species on the low side. Ralph Bell, the Clarksville compiler, noted: "No wild grapes this fall, so robins were scarce... Low count for us; too warm and not many birds at feeders." Pittsburgh compiler James Valimont said the count day was "probably our warmest" in 25 years, adding that the "mild weather resulted in about a 15 percent drop in total birds counted, despite a 20 percent increase in participants and party-hours."

From Warren compiler Michael Toole came these comments: "Total [number of] species was the lowest since 1990 and total [number of] birds was lowest since 1992. Warm weather preceded the count day with the count day occurring on a cold day. This probably contributed to the low [number of] species and low [number of] birds being counted."

Thompson compiler Katherine Cameron noted little activity at feeding stations, with only patchy snow cover on north-facing slopes. Hamburg observers, meanwhile, were hampered on 29 December by dense fog and rain, which "severely limited visibility and bird activity," compiler Laurie Goodrich wrote.

WINTER FINCHES

Except for widely scattered reports of Pine Siskins and Evening Grosbeaks, the 1996-97 count continued the trend from recent years of little or no invasion by these and other "winter finch" species. Only 113 grosbeaks were tallied statewide, with Williamsport (63) accounting for more than half that total. Next in line were State College, 20; Thompson, 13; White Mills, 12; Lehigh Valley, 2; and single birds at Newville, Johnstown and Chambersburg.

The story with the Pine Siskin was much the same. Only 83 siskins were counted statewide, with Hamburg's 40 accounting for nearly half of that tally. Other counts reporting siskins were: Lake Raystown, 16; Johnstown, 6; Mansfield, 5; State College, 4; Linesville and Huntingdon, 3 each; Pittsburgh, 2; and single birds at Bloomsburg, Lock Haven, and Warren.

The Common Redpoll, which last "invaded" Pennsylvania in the winter of 1993-94, was even scarcer this winter, with 76 tallied but by only two counts (Emporium with 68 birds and White Mills with 8).

White-winged and Red crossbills were virtually absent from Pennsylvania this winter. The lone White-winged Crossbill was found in Lehigh Valley, and the Red Crossbill went unrecorded.

WARBLERS

Seven warbler species were tallied this season, with top honors perhaps going to the Lancaster observers. Their Nashville Warbler was the most out-of-place warbler species. A total of 930 Yellow-rumped Warblers was tallied across 42 counts, with Upper Bucks accounting for 170 individuals. Single Pine Warblers were found in Southern Bucks, Lancaster, and Indiana. The statewide total of 5 Palm Warblers was split between three counts: Lancaster (3) and Southern Lancaster and Audubon, one each. Single Black-and-white Warblers were found at Lancaster and Reading. Nine Common Yellowthroats

were logged on eight counts, and the seventh species, a lone Yellow-breasted Chat, was found on the Glenolden count. No new species was added to the state's CBC records this season. Thus, the cumulative list for Pennsylvania still stands at 20 species recorded over more than 45 years. The seven species found this season is three below the high mark of 10 species tallied on the 95th CBC.

CAROLINA WREN

This species, which lost ground across the northern edge of its range during the harsh winter of 1993-94, held its own through 1996 without regaining much more strength in the state than it had the previous year. While a total of 1285 of these wrens was counted on 55 counts in 1995-96, the statewide tally for the 97th CBC actually fell very slightly — to 1165 wrens on 56 counts. The species' stronghold in Pennsylvania continues to lie across the southern one-third of the state as these representative tallies from the 97th CBC show: Audubon, 61 wrens; Central Bucks, 31; Elverson, 55; Glenolden, 92; Harrisburg and West Chester, 61 each; Lancaster, 52; Newville, 45; Pittsburgh, 143; and SoLanCo, 76. One could perhaps blame 1996's "Blizzard of the Century" for slowing the Carolina Wren's resurgence, but a few more balmy winters like our latest can only help sustain this wren's presence in Pennsylvania.

SOME OTHER HALF-HARDY SPECIES

Among this group are the Eastern Phoebe, Hermit Thrush, Winter Wren, and Ruby-crowned Kinglet. This phoebe is never tallied on more than a handful of Pennsylvania CBCs and that trend did not change markedly this season. A total of 12 phoebes were tallied on 9 counts, with three — SoLanCo, Pittsburgh, and Newville — recording two birds each. The Hermit Thrush, meanwhile, maintained its long-term average for Pennsylvania CBCs. A total of 199 thrushes was reported from 34 counts, with SoLanCo (27) and three other counts, with 16 each, leading the way. The Ruby-crowned Kinglet managed a strong, but not unprecedented, showing for the 97th CBC. A total of 154 kinglets was found on 34 counts. Mansfield in Tioga County led the way with 22 kinglets, while SoLanCo tallied 17. The species showing, however, was way below the 539 individuals logged in 1994-95, but nearly on par with the 176 in 1993-94 and the 171 individuals in 1992-93.

The Winter Wren made an impressive showing, with a total of 288

individuals on 48 counts. SoLanCo's 45 was the high. A total of 199 Winter Wrens on 42 counts was tallied in the 1995-96 season.

OWLS

Seven owl species were reported this season, with the Eastern Screech and Great Horned, predictably, showing up in greater numbers than other species. CBC participants on 51 counts logged 747 screech owls, while the statewide tally of 747 horned owls was spread across 51 counts. The other four species and their statewide numbers are: Barn, 6 birds on three counts; Barred, 46 on 24; Long-eared, 18 on 11; Short-eared, 21 on nine; and N. Saw-whet, 11 on nine. No Snowy Owl was logged, but a count-week snowy was reported from Erie.

Two counts, Upper Bucks and Clarion, shared the honors for greatest diversity in this group, with six species each. These four counts tallied five species each: SoLanCo, Newville, Lancaster and Curtin.

OTHERS

The Red-tailed Hawk, always the most numerous raptor on Pennsylvania CBCs, maintained its status this season, but the total number of redtails was down slightly from the 1995-96 season. A total of 2875 redtails was tallied this season, down from the 3022 in 1995-96. Among the gallinaceous birds, the Ring-necked Pheasant lost ground, going from 500 individuals on 48 counts in 1995-96 to 260 on 42 counts this season. The number of Ruffed Grouse also dipped this season (187 individuals on 42 counts compared to 270 on 42 counts in 1995-96), while the Wild Turkey's numbers also fell this season, going from 3417 birds on 48 counts to 2041 on 43 counts this season. Tunkhannock maintained its status as the Wild Turkey king with 246 birds (318 in 1995-96).

Some interesting ups and downs occurred among the sparrow species. The American Tree Sparrow, for example, dipped from 10,835 individuals in 1995-96 to 7115 this season, while the Song Sparrow went in the opposite direction — from 6269 in 1995-96 to 9988 this season. The third most populous species in Pennsylvania winters, the White-throated Sparrow, also showed a substantial increase this season, rising to 23,434 individuals from 17,456 in 1995-96.

RARITIES

Here are some of the more noteworthy finds across the state:

Red-necked Grebe: Bethlehem.
Yellow-crowned Night-Heron: Harrisburg.
Eurasian Wigeon: SoLanCo.
White-winged Scoter: Linesville and Harrisburg.
Osprey: SoLanCo, Mansfield, and Lewisburg.
Iceland Gull: Elverson (3).
Glaucous Gull: Southern Bucks Co.
Rufous Hummingbird: Lehigh Valley.
Marsh Wren: SoLanCo and Glenolden.
N. Shrike: Clarion (2).
Solitary Vireo: Reading.
Baltimore Oriole: Upper Bucks and Glenolden.

Some compilers noted an on-going loss of habitat within their count circles. "The comment most heard at the compilation dinner concerned more loss of habitat to development. In at least two cases, however, permission was obtained to bird grounds that had formerly not been covered. This may be a strategy that all teams should pursue as development forces us to look for alternative birding sites," West Chester compiler Barry Blust wrote.

The following is a list of each count; total party-hours (if reported); the date it was held; any count-week species recorded; and new highs or lows (if reported).

Audubon - 28 Dec.; 136 party-hours; Tony Fernandes, compiler, 741 Monument Rd., Malvern 19355.
Bald Eagle State Park - 4 Jan.; 65.25 party-hours; Harry W. Henderson, co-compiler, 240 Toftrees Ave. No. 302, State College 16803; Eugene E. Zielinski, co-compiler, 1322 Old 220 Rd., Bellefonte 16823.
Beaver - 21 Dec.; 32.5 party-hours; John Cruzan, compiler, Geneva College, Beaver Falls 15010.
Bedford Co. - 28 Dec.; 48.25 party-hours; Janet Shaffer, compiler, RR 6, Box 338, Bedford 15522.
Bethlehem-Easton - 28 Dec.; 126 party-hours; Donald and Elaine Meese, compilers, 2366 Springtown Hill Rd., Hellertown 18055.
Bernville - 4 Jan.; new for count were Common Loon and Chipping Sparrow; new highs for Fish Crow, E. Bluebird, Cedar Waxwing and Common Grackle; Edwin F. Barrell, compiler, 123 Maple Lane, Reading 19605.
Bloomsburg - 22 Dec.; 114 party-hours; count-week species was Wood Duck; Robert G. Sagar, compiler, RR 2, Box 70, Benton 17814.
Buffalo Creek Valley - 21 Dec.; 11 party-hours; count-week species were Am. Kestrel, Ring-necked Pheasant, and

- E. Bluebird; George Reese, compiler, 468 Monroe Rd., Sarver 16055.
- Bushy Run State Park - 21 Dec.; 63.25 party-hours; count-week species were Common Loon, Red-breasted and Hooded mergansers and Common Goldeneye; Dick Byers, compiler, 3570 Clawson Dr., Murrysville 15668.
- Butler Co. - 21 Dec.; 56 party-hours; new for count was Bald Eagle; Suzanne Butcher, compiler, 11 Norwick Dr., Youngstown OH 44505-1625.
- Central Bucks Co. - 29 Dec.; 115.5 party-hours; count-week species were Wood Duck, Bufflehead, Merlin, and Bonaparte's Gull; Kenneth Kitson, compiler, 704 Headquarters Rd., Ottsville 18942.
- Chambersburg - 21 Dec.; 147.25 party-hours; Edith C. Lindsell, compiler, 810 A Menno Village, Chambersburg 17201-4081.
- Clarion - 28 Dec.; 74.5 party-hours; new for count were Long-eared Owl, N. Saw-whet Owl, and Lapland Longspur; Margaret Buckwalter, co-compiler, RR 2, Box 26, Shippenville 16254; Walter Fye, co-compiler, RR 3, Knox 16232.
- Clarksville - 28 Dec.; 42 party-hours; new high for Canada Goose; Ralph K. Bell, compiler, RR 1, Box 229, Clarksville 15322-7320.
- Culp - 21 Dec.; 58 party-hours; count-week species were Tundra Swan and N. Harrier; William H. King Sr., compiler, 3021 W. Chestnut Ave., Altoona 16601.
- Curtin - 27 Dec.; 82.5 party-hours; count-week species were Bufflehead, Red-breasted Merganser, and Bald Eagle; Scott Bills, compiler, 35 Roundtop Rd., Halifax 17032.
- Dallas - 21 Dec.; 35 party-hours; count-week species were Horned Grebe, White-winged Scoter, and Red-breasted Merganser; new high for Winter Wren; Edwin L. Johnson, compiler, 90 Midland Dr., Dallas 18612.
- Delaware Co. (formerly Glenolden) - 21 Dec.; 184 party-hours; count-week species were Am. Wigeon and Red-headed Woodpecker; new highs for Wood Duck, Black Vulture, Red-tailed Hawk (tie) and E. Towhee; Nick Pulcinella, compiler, 201 Elm Ave., Swarthmore 19081.
- DuBois - 29 Dec.; 41 party-hours; Marianne Atkinson, compiler, RR 4, Box 349C, DuBois 15801.
- Elverson - 28 Dec.; 120 party-hours; count-week species were Hooded Merganser and Pine Siskin; Robert E. Cook, compiler, Box 19, 103 E. Main St., Elverson 19520.
- Emporium - 22 Dec.; 73 party-hours; count-week species were Carolina Wren and Wood Thrush; Robert W. Martin Jr., compiler, 125 Elmwood Court, Emporium 15834.
- Erie - 4 Jan.; 46.5 party-hours; count-week species were Redhead, Ring-necked Pheasant, Little Gull, Iceland Gull, Glaucous Gull, Great Horned Owl, Snowy Owl, Gray Catbird, and E. Towhee; Joan Howlett, compiler, 3662 Kinter Hill Rd., Edinboro 16412.
- Gettysburg - 21 Dec.; 104 party-hours; Arthur L. Kennell, compiler, 2332 Bullfrog Rd., Warbler Woods, Fairfield 17320.
- Hamburg - 29 Dec.; 117.6 party-hours; count-week species were Common Merganser, Red-shouldered Hawk, Herring Gull, and Common Raven; Laurie Goodrich, compiler, Hawk Mountain Sanctuary, 1700 Hawk Mt. Rd., Kempton 19529.
- Harrisburg - 21 Dec.; 128 party-hours; count-week species was Killdeer; Bill Tripp, compiler, 425 Reeser's Rd., Camp Hill 17011-1306.
- Huntingdon - 22 Dec.; 49 party-hours; count-week species were Tundra Swan, Ring-necked Duck, Common Goldeneye, Ruddy Duck, Ring-billed Gull, and Killdeer; David Kyler, compiler, RR 4, Box 159A, Huntingdon 16652.
- Indiana - 26 Dec.; 121.25 party-hours; count-week species were Common Loon, Pied-billed Grebe, Ring-necked Duck, Common Goldeneye, Common Merganser, Ring-billed Gull, and Common Grackle; Margaret and Roger Higbee, co-compilers, RR 2, Box 166, Indiana 15701.
- Johnstown - Date/compiler not listed.
- Lake Raystown - 1 Jan.; 59 party-hours; Greg Grove, compiler, RR 1, Box 483, Petersburg 16669.
- Lancaster - 28 Dec.; 82.5 party-hours; Black-and-white and Nashville warblers new for count; W. Edward Pederson, compiler, 306 Clearfield Rd., New Providence 17560.
- Lebanon Co. - 21 Dec.; 63.25 party-hours; Fritz Heilman, compiler, 115 E. Chestnut S., Lebanon 17042.
- Lehigh Valley - 21 Dec.; 126.5 party-hours; new for count were Bufflehead and Rufous Hummingbird; new highs for Ring-necked Duck, Common Merganser, Cooper's Hawk, Red-tailed Hawk, Wild Turkey, Carolina Chickadee, and Winter Wren; Gary L. Freed, compiler, 1132 Walters Rd., Pennsburg 18073.
- Lewisburg - 21 Dec.; count-week species was Hermit Thrush; Richard Nickelsen, compiler, 432 Pheasant Ridge Rd., Lewisburg 17837.
- Lewistown - 21 Dec.; 72.5 party-hours; count-week species were Ring-necked Pheasant, Horned Lark and Rusty Blackbird; Linda Whitesel, compiler, RR 3, Box 820, Mifflintown 17059.
- Linesville - 22 Dec.; count-week species was Horned Grebe; E. Towhee new for count; Ron Harrell, compiler, 428 Park Ave., Meadville 16335.
- Lititz - no date listed; Margie Rutbell, compiler, PO Box 103, Carversville 18913.
- Lock Haven - Jersey Shore - 28 Dec.; 53.5 party-hours; Wayne N. Laubscher, compiler, RR 2, Box 153, Lock Haven 17745.
- Mansfield - 21 Dec.; 73.5 party-hours; Robert M. Ross, compiler, RR 2, Box 113A, Wellsboro 16901.
- New Bloomfield - 29 Dec.; 94 party-hours; new highs for Sharp-shinned Hawk and Ring-billed Gull; 75 species new high for count; Ramsay Koury, compiler, 123 Old Ford Dr., Camp Hill 17011-8399.
- Newville - 4 Jan.; 103.5 party-hours; count-week species were Green-winged Teal, Am. Wigeon and Merlin; new highs for Canada Goose, N. Saw-whet Owl (tie), Downy Woodpecker, Hairy Woodpecker (tie), E. Phoebe, Tufted Titmouse, Winter Wren, Golden-crowned Kinglet, Cedar Waxwing, European Starling, Song Sparrow, Red-winged Blackbird, Rusty Blackbird, and Brown-headed Cowbird; total number of individuals was new high for count; Don and Robyn Henise, co-compilers, 763 Greenspring Rd., Newville 17241.
- Pennypack Valley - 21 Dec.; 36.5 party-hours; count-week species were Double-crested Cormorant, Am. Kestrel, Yellow-bellied Sapsucker, and Fish Crow; Peter Kurtz, compiler, Pennypack Environmental Center, 8600 Verree Rd., Philadelphia 19115.
- Pittsburgh - 28 Dec.; 248 party-hours; count-week species were Wood Duck and Killdeer; James L. Valimont, compiler, 102 Deborah Lynn Ct., Cheswick 15024.
- Pleasantville - 29 Dec.; 36.5 party-hours; Russ States, 24 E. Fifth St., Oil City 16301.
- Pocono Mountain - 22 Dec.; 21.25 party-hours; Roxanne Kaiser-Antonowich, compiler, PO Box 63, Delaware Water Gap 18327.
- Raccoon Creek State Park - 27 Dec.; 41 party-hours; count-week species were Yellow-rumped Warbler and Field Sparrow; William B. Smith, compiler, R.R. 3, Box 300A, Aliquippa 15001.
- Reading - 22 Dec.; 102 party-hours; new highs for Mourning Dove and Tufted Titmouse; new for count were Solitary Vireo and Black-and-white Warbler; Matthew Spence, compiler, 1118 N. 11th St., Reading 19604-2126.
- Rector - 29 Dec.; 60 party-hours; count-week species were Great Horned Owl and Barred Owl; Robert Mulvihill, compiler, Powdermill Nature Reserve, HC 64, Box 453, Rector 15677.
- Scranton - 3 Jan.; 64 party-hours; count-week species were Common Loon, Lesser Scaup, Oldsquaw, and White-winged Scoter; Bill Spence, compiler, 1117 Gravel Pond Rd., Clarks Summit 18411.
- Southeastern Bradford Co. - 28 Dec.; new high for E. Bluebird; Bill Reid, compiler, RR 2, Box 143, Tunkhannock 16657.
- Southern Bucks Co. - 21 Dec.; 134.75 party-hours; Robert A. Mercer, compiler, 1306 Bath Rd., Bristol 19007.
- Southern Lancaster Co. - 22 Dec.; 224.5 party-hours; Eurasian Wigeon seen on same pond for eight consecutive years; Robert M. Schutsky, compiler, Bird Treks, 115 Peach Bottom Village, Peach Bottom 17563-9716.
- State College - 22 Dec.; 119.5 party-hours; count-week species were Redhead, Greater Scaup, Oldsquaw, White-winged Scoter, Common Goldeneye, Bufflehead, Common Merganser, Ring-necked Pheasant, Wild Turkey and Killdeer; new highs for Canada Goose, Mourning Dove, Red-bellied Woodpecker, Blue Jay, Fish Crow, Common Raven, and Dark-eyed Junco;

John D. Peplinski, compiler, 761 Beaver Branch Rd., Pennsylvania Furnace 16865.

Susquehanna Co.; 19.5 party-hours; count-week species was Red-bellied Woodpecker; new highs for Mallard, Pileated Woodpecker, Blue Jay, Am. Crow, N. Mockingbird, and House Sparrow; Jerry Skinner, compiler, Woodbourne Forest, RR 6, Box 6294, Montrose 18801.

Thompson - 29 Dec.; 10.25 party-hours; count-week species was Great Horned Owl; Katherine Cameron, compiler, RR 1, Box 25, Thompson 18465.

Tunkhannock - 22 Dec.; new for count were Pied-billed Grebe, Wood Duck, Common Goldeneye, Ring-necked Pheasant, Ruby-crowned Kinglet, and Brown-headed Cowbird; 61 species new high for count; Rick Koval, compiler, 305 William St., Plains 18705.

Upper Bucks Co. - 22 Dec.; 169 party-hours; count-week species were Red-throated and Common loons, Great Cormorant, Tundra Swan, Ring-necked Duck, Greater Scaup, White-winged Scoter, and Common Goldeneye; new highs for Mallard, Common Merganser, Red-shouldered Hawk, Downy Woodpecker, Carolina Chickadee, and Tufted Titmouse; new for count were Barnacle Goose and Brewer's Blackbird; Hart Rufe, compiler, 1890 N. 5th St., Perkasio 18944.

Warren - 21 Dec.; 90 party-hours; count-week species was Great Horned Owl; Michael E. Toole, compiler, 212 Mohawk Ave., Warren 16365.

Washington - 21 Dec.; Roy Ickes, compiler, Washington and Jefferson College, Washington 15301-4801.

West Chester - 21 Dec.; 130.25 party-hours; new highs for Red-tailed Hawk and E. Bluebird; Barry Blust, compiler, 21 Rabbit Run Lane, Glenmoore 19343-9543.

Wild Creek - Little Gap - 22 Dec.; 51.33 party-hours; count-week species were Pied-billed Grebe, Snow Goose, and Green-winged Teal; Nick Niderostek, co-compiler, 4554 Richard Terrace, Walnutport 18088; Joel Silfies, co-compiler, PO Box 242, Danielsville 18038.

White Mills - 17 Dec.; 45 party-hours; count-week species were Sharp-shinned Hawk, Red-winged Blackbird, and Brown-headed Cowbird; Voni Strasser, compiler, RR 2, Box 37, Hawley 18428.

Wyncote - 21 Dec.; 290.75 party-hours; count-week species were Eastern Bluebird, Red-winged Blackbird, and Common Grackle; new for count were Northern Shoveler and Black Vulture; new highs for Wood Duck, Hooded Merganser, Turkey Vulture, Cooper's Hawk, Red-tailed Hawk, American Coot, Great Horned Owl, and Carolina Chickadee; Martin Q. Selzer, compiler, 1907 Hemlock Rd., Flourtown 19031.

York - 21 Dec.; 65 party-hours; new highs for Black and Turkey vultures and White-crowned Sparrow; Common Raven was new for count (nested in county in

1996); Bill Del Grande, compiler, 1687 Crestlyn Rd., York 17403.

Thanks to all the compilers for providing their data. Special thanks to Monica Gregory again for on-going assistance in computerizing the mountain of data. ✨

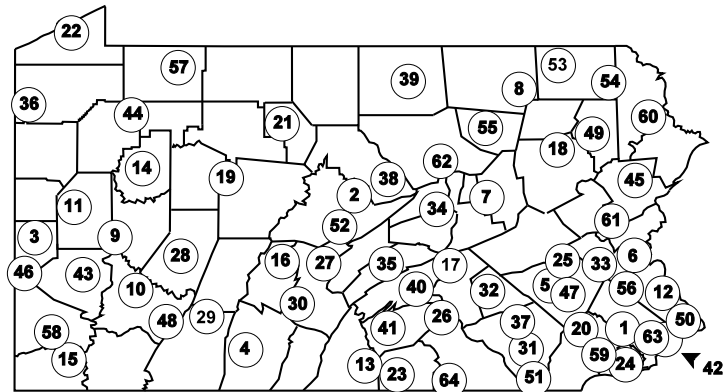
ABREV. NAME

- 1 AUDU AUDUBON
- 2 BALD BALD EAGLE
- 3 BEAV BEAVER
- 4 BEDF BEDFORD COUNTY
- 5 BERN BERNVILLE
- 6 BETH BETHLEHEM—EASTON
- 7 BLOO BLOOMSBURG
- 8 BRAD SE BRADFORD COUNTY
- 9 BUFF BUFFALO CREEK VALLEY
- 10 BUSH BUSHY RUN STATE PARK
- 11 BUTL BUTLER COUNTY
- 12 CBUK CENTRAL BUCKS COUNTY
- 13 CHAM CHAMBERSBURG
- 14 CLAN CLARION
- 15 CLAK CLARKSVILLE
- 16 CULP CULP
- 17 CURT CURTIN
- 18 DALL DALLAS AREA
- 19 DUBO DUBOIS
- 20 ELVE ELVERSON
- 21 EMPO EMPORIUM
- 22 ERIE ERIE
- 23 GETT GETTYSBURG
- 24 GLEN GLENOLDEN (Delaware Co.)
- 25 HAMB HAMBURG
- 26 HARR HARRISBURG
- 27 HUNT HUNTINGDON
- 28 INDI INDIANA
- 29 JOHN JOHNSTOWN
- 30 LAKE LAKE RAYSTOWN
- 31 LANC LANCASTER
- 32 LEBA LEBANON COUNTY

ABREV. NAME

- 33 LEHI LEHIGH VALLEY
- 34 LEWG LEWISBURG
- 35 LEWN LEWISTOWN
- 36 LINE LINESVILLE
- 37 LITI LITITZ
- 38 LOCK LOCK HAVEN—JERSEY SHORE
- 39 MANS MANSFIELD
- 40 NEWB NEW BLOOMFIELD
- 41 NEWV NEWVILLE
- 42 PENN PENNYPACK VALLEY
- 43 PITT PITTSBURGH
- 44 PLEA PLEASANTVILLE
- 45 POCO POCONO MOUNTAIN
- 46 RACC RACCOON CREEK STATE PARK
- 47 READ READING
- 48 RECT RECTOR
- 49 SCRA SCRANTON
- 50 SBUK SOUTHERN BUCKS COUNTY
- 51 SLAN SO. LANCASTER COUNTY
- 52 STAT STATE COLLEGE
- 53 SUSQ SUSQUEHANNA
- 54 THOM THOMPSON
- 55 TUNK TUNKHANNOCK
- 56 UBUK UPPER BUCKS COUNTY
- 57 WARR WARREN
- 58 WASH WASHINGTON
- 59 WEST WEST CHESTER
- 60 WHIT WHITE MILLS
- 61 WILD WILD CREEK—LITTLE GAP
- 62 WILL WILLIAMSPORT
- 63 WYNC WYNCOTE
- 64 YORK YORK

1996 CHRISTMAS BIRD COUNTS



PENNSYLVANIA'S 1996 CHRISTMAS BIRD COUNTS

	AUDU	BALD	BEAV	BEDF	BERN	BETH	BLOO	BRAD	BUFF	BUSH	BUTL	CBUK	CHAM	CLAK	CLAN	CULP
LOON, COMMON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GREBE, PIED-BILLED	3	-	-	-	2	-	-	-	-	6	-	-	-	-	-	-
HORNED	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
RED-NECKED	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
CORMORANT, GREAT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CORMORANT, DOUBLE-CRESTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HERON, GREAT BLUE	21	8	1	4	10	23	8	2	1	2	1	16	29	3	-	5
NIGHT-HERON, YELLOW-CROWNED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWAN, TUNDRA	6	-	-	-	3	-	-	-	-	2	6	-	-	-	-	-
MUTE	-	-	-	4	5	11	-	-	-	2	-	9	-	-	-	-
GOOSE, SNOW	-	-	2	-	-	-	1	-	-	-	36	7	-	-	-	-
blue form	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
GOOSE, CANADA	6,880	21	609	203	672	4,903	3,015	1,265	181	728	-	18,527	792	160	502	100
DUCK, WOOD	1	-	3	-	2	7	-	-	-	-	-	-	-	-	-	-
TEAL, GREEN-WINGED	-	-	-	-	-	1	-	-	-	-	-	2	10	-	-	-
DUCK, AMERICAN BLACK	17	5	6	69	7	40	638	64	3	2	3	33	-	16	-	1
MALLARD	638	178	398	406	636	2,184	588	209	113	495	140	591	1,103	142	40	115
mallard hybrid	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
PINTAIL, NORTHERN	1	-	-	-	-	-	4	-	-	-	-	2	4	-	-	-
SHOVELER, NORTHERN	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
GADWALL	-	-	-	-	-	-	7	-	-	-	3	-	-	-	-	-
WIGEON, EURASIAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMERICAN	-	-	-	2	2	1	-	-	-	-	3	-	-	-	-	-
CANVASBACK	1	-	1	-	-	-	-	-	-	-	95	1	-	-	-	-
REDHEAD	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-
DUCK, RING-NECKED	-	-	-	-	-	3	-	-	-	-	-	20	3	-	-	-
SCAUP, GREATER	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
LESSER	-	-	-	-	-	-	-	-	-	25	8	1	-	-	-	-
scaup sp.	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
OLDSQUAW	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
SCOTER, WHITE-WINGED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
scoter sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLDENEYE, COMMON	4	-	-	1	-	-	-	-	-	-	3	8	-	-	-	-
BUFFLEHEAD	59	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-
MERGANSER, HOODED	20	20	2	-	-	-	1	1	-	-	4	5	-	1	-	-
COMMON	465	465	-	1	16	31	41	97	3	-	-	34	-	-	-	-
RED-BREASTED	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-
DUCK, RUDDY	-	-	-	-	-	-	-	-	-	-	100	-	-	-	-	-
duck sp.	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
VULTURE, BLACK	12	-	-	-	-	1	-	-	-	-	-	82	-	-	-	1
TURKEY	136	-	-	-	-	-	-	-	-	-	-	94	-	-	-	-
OSPREY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EAGLE, BALD	-	-	-	-	-	1	-	-	1	-	1	-	-	-	-	-
HARRIER, NORTHERN	1	1	-	-	1	3	7	-	-	-	6	1	2	1	13	-
HAWK, SHARP-SHINNED	16	1	-	-	5	8	6	-	1	-	3	3	7	-	2	3
COOPER'S	4	-	2	1	7	11	6	3	-	9	3	2	3	3	3	5
GOSHAWK, NORTHERN	-	-	-	-	-	-	1	-	-	-	-	-	3	-	-	-
accipiter sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAWK, RED-SHOULDERED	2	-	-	-	-	-	-	-	-	1	2	1	-	-	-	-
RED-TAILED	92	16	10	18	90	101	65	31	1	29	21	53	62	27	38	15
ROUGH-LEGGED	-	-	-	-	-	-	4	1	-	-	-	-	-	-	-	-
buteo sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
kestrel, american	18	9	4	14	48	22	36	2	-	7	9	14	45	10	1	12
MERLIN	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
FALCON, PEREGRINE	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
raptor sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHEASANT, RING-NECKED	1	10	-	4	2	4	14	2	-	5	-	18	9	3	5	2

PENNSYLVANIA'S 1996 CHRISTMAS BIRD COUNTS

	AUDU	BALD	BEAV	BEDF	BERN	BETH	BLOO	BRAD	BUFF	BUSH	BUTL	CBUK	CHAM	CLAK	CLAN	CULP
GROUPSE, RUFFED	-	2	-	3	-	4	3	4	1	1	-	-	2	4	20	9
TURKEY, WILD	-	2	-	13	-	78	16	16	24	27	71	34	5	93	43	9
BOBWHITE, NORTHERN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COOT, AMERICAN	2	-	6	-	-	9	4	-	-	41	63	2	17	1	-	-
KILLDEER	-	-	-	-	9	1	1	-	-	-	-	1	12	2	-	-
SNIFE, COMMON	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
WOODCOCK, AMERICAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GULL, LAUGHING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BONAPARTE'S	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
RING-BILLED	419	20	794	-	1,345	1,074	1	4	8	3	94	346	1	-	-	-
HERRING	15	1	4	-	5	98	4	3	7	-	2	7	-	-	-	-
ICELAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LESSER BLACK-BACKED	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
GLAUCOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GREAT BLACK-BACKED	-	-	-	-	-	2	-	-	-	-	-	4	-	-	-	-
gull sp.	8	-	10	1	-	-	-	-	-	-	-	-	-	-	-	-
DOVE, ROCK	956	278	1,107	451	1,365	2,250	1,129	434	178	271	321	593	1,351	146	149	291
MOURNING	1,269	121	154	120	834	2,205	434	264	32	299	116	925	987	293	437	154
OWL, BARN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EASTERN SCREECH	25	1	-	-	9	7	27	2	-	-	1	26	1	1	3	8
GREAT HORNED	17	1	-	1	10	10	13	6	2	-	5	40	10	-	8	7
BARRED	-	1	-	1	-	-	1	-	-	-	1	1	-	1	2	-
LONG-EARED	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
SHORT-EARED	-	-	-	-	-	-	1	-	-	-	2	1	-	3	8	-
NORTHERN SAW-WHET	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-
owl sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HUMMINGBIRD, RUFOUS	21	3	2	4	12	18	9	5	2	5	3	17	8	6	-	3
KINGFISHER, BELTED	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-
WOODPECKER, RED-HEADED	109	12	12	12	61	89	20	21	2	33	20	89	57	26	7	33
RED-BELLIED	5	1	-	-	-	10	1	-	-	-	-	3	2	-	3	-
SAPSUCKER, YELLOW-BELLIED	151	29	35	30	120	224	112	64	8	90	37	134	128	35	61	47
WOODPECKER, DOWNY	18	8	3	7	15	25	13	20	2	16	10	30	22	6	7	15
HAIRY	88	12	-	9	20	50	12	13	-	21	2	55	26	7	1	4
Flicker, Northern	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
red-shafted form	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WOODPECKER, PILEATED	1	5	1	2	-	1	13	10	2	6	2	2	11	5	4	12
PHOEBE, EASTERN	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
LARK, HORNED	-	1	-	-	80	50	285	-	-	150	88	-	440	-	-	171
JAY, BLUE	351	236	114	81	95	198	362	91	25	121	123	311	223	135	165	78
CROW, AMERICAN	1,630	476	84	207	575	7,519	1,315	449	55	140	226	491	1,446	523	2,210	158
FISH	2	-	-	-	369	13	3	-	-	-	-	5	40	-	-	-
crow sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RAVEN, COMMON	25	4	-	3	-	-	2	2	-	-	-	-	9	2	-	7
CHICKADEE, BLACK-CAPPED	171	171	37	85	108	320	529	315	47	167	151	209	174	-	371	243
CAROLINA	598	4	4	-	-	-	-	-	-	5	-	184	15	188	-	-
chickadee sp.	2	-	59	-	-	-	-	-	-	-	-	-	-	-	-	-
TITMOUSE, TUFTED	367	86	69	69	176	329	234	63	28	132	64	350	254	136	73	135
NUTHATCH, RED-BREADED	1	-	1	-	-	8	1	-	1	-	1	-	-	-	3	1
WHITE-BREADED	83	37	26	29	50	131	127	63	11	68	41	86	104	79	85	72
CREEPER, BROWN	29	8	3	-	6	20	16	9	2	8	4	8	8	1	29	10
WREN, CAROLINA	61	5	3	3	15	16	3	3	5	9	-	31	11	16	3	5
HOUSE	1	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-
WINTER	2	3	-	2	2	7	6	1	-	-	-	2	-	-	1	3
MARSH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KINGLET, GOLDEN-CROWNED	46	32	6	-	11	59	64	21	6	23	9	57	3	1	27	15
RUBY-CROWNED	1	-	-	-	1	9	-	-	2	-	-	6	-	-	1	-
kinglet sp.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

PENNSYLVANIA'S 1996 CHRISTMAS BIRD COUNTS

	AUDU	BALD	BEAV	BEDF	BERN	BETH	BLOO	BRAD	BUFF	BUSH	BUTL	CBUK	CHAM	CLAK	CLAN	CULP
BLUEBIRD, EASTERN	111	63	17	47	243	70	166	82	-	41	31	115	13	42	49	51
THRUSH, HERMIT	2	3	-	-	2	4	8	-	-	8	-	1	-	-	2	4
ROBIN, AMERICAN	219	2	2	22	4	71	105	2	5	105	14	205	6	1	20	15
CATBIRD, GRAY	3	-	-	-	2	-	-	-	-	1	-	3	-	-	-	-
MOCKINGBIRD, NORTHERN	109	5	-	6	51	64	24	6	-	3	-	87	72	19	-	3
THRASHER, BROWN	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-
PIPET, AMERICAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WAXWING, CEDAR	271	151	-	11	455	11	113	100	-	-	131	169	36	-	215	23
SHRIKE, NORTHERN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
LOGGERHEAD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STARLING, EUROPEAN	4,747	1,216	179	1,043	7,756	17,291	4,217	1,470	86	563	376	6,760	8,603	1,123	926	750
VIREO, SOLITARY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WARBLER, NASHVILLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YELLOW-RUMPED	33	2	-	5	12	18	-	-	-	117	-	58	-	5	-	2
PINE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PALM	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BLACK-AND-WHITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YELLOWTHROAT, COMMON	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
CHAT, YELLOW-BREASTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CARDINAL, NORTHERN	467	77	106	80	173	350	214	93	39	219	90	287	229	183	85	93
DICKCISSEL	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
TOWHEE, EASTERN	4	1	-	1	5	3	4	1	-	4	-	6	2	-	-	-
SPARROW, AMERICAN TREE	40	101	2	13	359	130	664	162	9	186	19	52	84	7	138	101
CHIPPING	-	-	3	2	1	-	-	-	-	-	-	1	10	-	-	-
FIELD	24	-	-	11	27	26	10	-	-	4	-	27	6	3	1	-
SAVANNAH	-	-	-	-	-	-	-	-	-	1	-	7	-	-	-	-
FOX	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
SONG	317	28	42	30	457	220	111	60	21	129	10	346	117	36	17	47
SWAMP	4	3	-	-	15	14	2	5	-	4	-	13	-	-	-	-
WHITE-THROATED	779	51	8	15	657	790	294	60	2	319	34	890	259	6	33	52
WHITE-CROWNED	-	-	-	1	88	2	42	-	-	-	-	45	60	5	-	8
sparrow sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUNCO, DARK-EYED	898	336	208	165	938	1,395	2,138	224	49	554	225	915	1,301	93	578	539
LONGSPUR, LAPLAND	-	-	-	-	-	-	-	-	-	-	-	-	2	-	4	-
BUNTING, SNOW	-	-	-	-	-	40	20	2	-	1	-	-	-	-	-	-
BLACKBIRD, RED-WINGED	45	-	-	-	18	27	-	-	-	-	-	-	110	-	2	-
MEADOWLARK, EASTERN	25	-	-	1	1	-	4	1	-	-	-	-	-	30	-	-
BLACKBIRD, YELLOW-HEADED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RUSTY	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
BREWER'S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRACKLE, COMMON	1,075	-	4	10	130	71	-	-	-	2	1	1	25	3	1	-
COWBIRD, BROWN-HEADED	-	-	-	2	-	82	4	4	-	1	300	2	-	14	-	-
blackbird sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORIOLE, BALTIMORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORIOLE, BALTIMORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FINCH, PURPLE	5	3	-	-	12	4	49	3	2	-	-	5	40	-	22	8
HOUSE	683	395	76	188	464	1,109	287	256	54	175	65	365	629	215	112	111
CROSSBILL, WHITE-WINGED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REDPOLL, COMMON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SISKIN, PINE	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
GOLDFINCH, AMERICAN	222	120	43	49	91	258	269	101	25	76	43	87	168	41	68	126
GROSBEAK, EVENING	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
GROSBEAK, HOUSE	184	339	180	361	1,030	702	412	144	134	273	146	327	1,479	276	397	144
SPARROW, HOUSE	24,510	5,191	4,445	3,923	19,793	44,945	18,377	6,336	1,181	5,640	3,403	34,356	20,697	4,178	6,998	3,828
TOTAL INDIVIDUALS	74	60	45	53	66	76	74	54	41	62	64	82	67	52	53	53

PENNSYLVANIA'S 1996 CHRISTMAS BIRD COUNTS

	CURT	DALL	DUBO	ELVE	EMPO	ERIE	GETT	GLEN	HAMB	HARR	HUNT	INDI	JOHN	LAKE	LANC	LEBA
LOON, COMMON	-	1	-	2	-	1	-	1	-	-	-	-	10	1	-	-
GREBE, PIED-BILLED	-	5	-	2	-	4	-	7	-	3	-	-	2	3	-	-
HORNED	-	-	-	-	-	54	-	1	-	3	-	-	-	1	-	-
RED-NECKED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CORMORANT, GREAT	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-
CORMORANT, DOUBLE-CRESTED	-	-	-	-	-	15	-	1	-	-	-	-	-	-	-	-
HERON, GREAT BLUE	8	3	3	14	1	35	17	25	15	33	2	2	-	3	18	6
NIGHT-HERON, YELLOW-CROWNED	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
SWAN, TUNDRA	-	-	-	21	-	1	-	4	-	47	-	10	-	-	3,833	14
MUTE	-	-	-	7	-	-	1	1	1	-	-	-	-	-	-	-
GOOSE, SNOW	-	-	-	1	-	-	-	3	-	1	-	-	-	-	28,030	-
blue form	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
GOOSE, CANADA	165	360	9	4,899	3	579	3,727	5,155	1,666	2,345	27	1,369	768	76	1,398	769
DUCK, WOOD	1	4	-	-	1	-	5	12	2	-	-	-	-	-	3	-
TEAL, GREEN-WINGED	-	-	-	-	-	-	-	285	1	6	-	-	-	-	17	-
DUCK, AMERICAN BLACK	22	62	-	57	-	48	56	272	7	62	13	18	14	56	120	27
MALLARD	423	435	372	769	-	729	416	933	613	1,246	133	597	302	152	1,456	435
mallard hybrid	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
PINTAIL, NORTHERN	-	-	1	3	-	-	-	60	-	5	-	-	4	-	1	1
SHOVELER, NORTHERN	-	-	-	1	-	1	-	2	-	-	-	-	-	-	1	-
GADWALL	-	-	-	8	-	15	-	5	5	73	-	1	11	-	2	-
WIGEON, EURASIAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMERICAN	-	2	-	6	-	1	3	-	2	31	-	-	4	-	1	-
CANVASBACK	-	2	-	44	-	13	-	1	-	6	-	1	-	-	1	-
REDHEAD	-	1	-	3	-	-	-	-	-	-	-	-	-	-	-	-
DUCK, RING-NECKED	-	7	-	82	-	15	3	5	-	2	-	-	1	-	1	-
SCAUP, GREATER	-	-	-	-	-	102	3	-	-	-	-	-	-	-	-	-
LESSER	-	2	-	-	-	39	12	1	-	2	-	2	-	-	-	-
scap sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OLDSQUAW	-	-	-	-	-	10	-	5	-	7	-	-	-	-	3	-
SCOTER, WHITE-WINGED	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
scoter sp.	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-
GOLDENEYE, COMMON	35	17	-	-	-	-	1	2	-	18	-	-	-	3	89	-
BUFFLEHEAD	-	26	-	7	-	185	3	32	-	108	-	3	6	23	29	-
MERGANSER, HOODED	-	14	-	-	-	2	-	24	-	54	-	-	21	3	-	-
COMMON	10	89	-	1	-	218	-	65	-	15	-	-	-	10	16	-
RED-BREASTED	-	-	-	1	-	23	-	8	-	1	-	-	5	-	-	-
DUCK, RUDDY	-	2	-	8	-	6	-	2	-	-	-	6	-	-	-	-
duck sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VULTURE, BLACK	-	-	-	48	-	-	21	22	-	-	12	-	-	2	34	23
TURKEY	-	-	-	102	-	-	33	79	8	1	2	-	-	-	131	34
OSPREY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EAGLE, BALD	-	-	-	1	-	1	-	-	-	-	1	-	-	1	4	-
HARRIER, NORTHERN	3	1	-	2	-	1	5	10	1	1	-	-	3	-	-	1
HAWK, SHARP-SHINNED	6	-	-	9	2	1	5	16	7	9	3	9	3	3	9	5
COOPER'S	4	4	1	6	1	3	-	6	6	9	2	3	1	1	2	3
GOSHAWK, NORTHERN	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
accipiter sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAWK, RED-SHOULDERED	3	-	-	2	-	-	4	4	-	-	2	2	-	-	-	1
RED-TAILED	66	-	2	69	5	16	43	96	74	90	18	43	11	22	63	60
ROUGH-LEGGED	-	10	-	1	-	-	-	1	-	-	2	-	1	-	-	-
buteo sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
kestrel, AMERICAN	26	-	-	30	-	3	47	5	57	20	10	20	9	11	20	23
MERLIN	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
FALCON, PEREGRINE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
raptor sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHEASANT, RING-NECKED	27	-	-	6	-	-	3	5	18	2	2	9	6	-	6	-

PENNSYLVANIA'S 1996 CHRISTMAS BIRD COUNTS

	CURT	DALL	DUBO	ELVE	EMPO	ERIE	GETT	GLEN	HAMB	HARR	HUNT	INDI	JOHN	LAKE	LANC	LEBA
BLUEBIRD, EASTERN	264	9	3	253	-	6	72	76	174	119	74	73	6	84	134	99
THRUSH, HERMIT	2	-	2	16	-	-	-	16	4	8	2	-	-	3	-	-
ROBIN, AMERICAN	13	10	4	12	-	3	-	621	40	23	4	214	1	1	5	2
CATBIRD, GRAY	2	-	-	5	-	-	-	6	1	2	-	1	-	-	-	1
MOCKINGBIRD, NORTHERN	34	1	-	163	1	-	74	119	61	60	6	1	-	5	59	40
THRASHER, BROWN	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	1
PIPT, AMERICAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WAXWING, CEDAR	17	45	109	224	1	20	7	49	78	124	185	57	15	97	15	2
SHRIKE, NORTHERN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOGGERHEAD	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
STARLING, EUROPEAN	8,457	318	796	3,642	146	1,190	2,473	2,465	5,270	2,352	878	904	2,141	580	9,549	2,634
VIREO, SOLITARY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WARBLER, NASHVILLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YELLOW-RUMPED	7	1	4	8	-	49	4	2	48	12	3	1	-	8	20	1
PIKE	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
PALM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
BLACK-AND-WHITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YELLOWTHROAT, COMMON	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
CHAT, YELLOW-BREADED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CARDINAL, NORTHERN	163	124	84	389	46	70	247	612	346	550	106	172	111	178	406	120
DICKCISEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOWHEE, EASTERN	1	1	1	7	1	-	1	63	4	8	2	2	-	1	10	2
SPARROW, AMERICAN TREE	149	156	43	131	78	144	37	94	205	49	65	137	119	92	17	59
CHIPPING	-	-	3	-	-	-	-	2	-	-	-	-	-	-	2	-
FIELD	7	6	2	26	5	-	2	114	48	9	4	5	-	5	6	6
SAVANNAH	-	-	-	1	-	-	-	-	2	-	-	-	-	-	19	-
FOX	1	-	-	-	-	-	1	30	4	1	-	-	-	1	1	-
SONG	166	105	10	373	43	7	63	1,269	335	281	37	49	67	26	290	86
SWAMP	1	3	1	32	1	-	-	94	11	5	5	7	2	6	6	-
WHITE-THROATED	316	181	5	756	8	4	237	1,455	990	538	59	99	30	87	819	256
WHITE-CROWNED	71	-	-	8	-	1	28	1	96	3	1	-	-	-	42	3
sparrow sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUNCO, DARK-EYED	720	241	207	1,044	745	29	972	1,151	1,850	805	775	1,136	333	1,030	673	567
LONGSPUR, LAPLAND	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
BUNTING, SNOW	-	-	-	5	-	11	-	2	-	-	-	-	-	-	-	-
BLACKBIRD, RED-WINGED	3	-	-	927	-	2	7	356	1	1	-	2	8	73	41	-
MEADOWLARK, EASTERN	-	-	-	3	-	-	29	-	-	-	-	-	-	-	-	12
BLACKBIRD, YELLOW-HEADED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RUSTY	-	-	-	5	-	-	-	18	-	-	-	8	4	1	-	-
BREWER'S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRACKLE, COMMON	-	-	-	127,505	-	-	29	38	1	-	-	-	2	-	2,845	-
COWBIRD, BROWN-HEADED	25	-	-	206	-	-	11	49	22	3	-	1	1	-	36	-
blackbird sp.	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
ORIOLE, BALTIMORE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
FINCH, PURPLE	1	-	2	4	5	-	59	25	8	29	3	14	7	2	3	5
HOUSE	396	105	143	504	202	184	174	621	836	699	226	524	192	154	305	265
CROSSBILL, WHITE-WINGED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REDPOLL, COMMON	-	-	-	-	68	-	-	-	-	-	-	-	-	-	-	-
SISKIN, PINE	-	-	-	-	-	-	-	-	40	-	3	-	6	16	-	-
GOLDFINCH, AMERICAN	136	82	44	256	259	48	144	230	171	274	158	235	16	83	133	77
GROSBEAK, EVENING	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
SPARROW, HOUSE	401	58	176	440	138	614	164	461	935	510	408	391	385	156	431	548
TOTAL INDIVIDUALS	15,652	3,646	2,945	155,890	2,860	9,902	11,669	24,881	18,356	16,222	5,183	9,994	6,708	5,498	113,290	9,327
TOTAL SPECIES	75	60	50	98	41	73	73	106	72	86	62	65	62	68	90	61

PENNSYLVANIA'S 1996 CHRISTMAS BIRD COUNTS

	LEHI	LEWG	LEWN	LINE	LITI	LOCK	MANS	NEWB	NEWV	PENN	PITT	PLEA	POCO	RACC	READ	RECT
LOON, COMMON	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
GREBE, PIED-BILLED	-	-	-	3	1	1	-	-	-	-	1	1	-	-	-	3
HORNED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
RED-NECKED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CORMORANT, GREAT	-	-	-	-	-	-	-	-	-	32	-	-	-	-	-	-
CORMORANT, DOUBLE-CRESTED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HERON, GREAT BLUE	28	8	12	2	12	11	-	6	31	3	24	3	1	2	8	3
NIGHT-HERON, YELLOW-CROWNED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWAN, TUNDRA	-	1	-	90	176	2	4	4	8	-	-	-	-	-	14	-
MUTE	1	-	-	1	-	-	-	1	2	-	-	-	2	-	2	-
GOOSE, SNOW	-	3	-	14	32	-	-	-	-	-	-	-	-	-	1	-
blue form	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
GOOSE, CANADA	10,400	626	238	11,992	4,251	185	242	503	1,125	328	969	60	128	292	2,973	186
DUCK, WOOD	1	1	-	7	2	-	-	-	2	-	-	-	-	-	-	-
TEAL, GREEN-WINGED	-	3	-	1	-	-	-	-	-	-	2	-	-	-	2	-
DUCK, AMERICAN BLACK	31	6	16	127	661	66	-	63	36	112	26	1	25	-	389	35
MALLARD	818	941	242	1,288	1,149	337	-	306	379	178	1,535	14	305	5	747	231
mallard hybrid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
PINTAIL, NORTHERN	1	1	-	-	-	-	-	-	3	-	-	-	-	-	-	-
SHOVELER, NORTHERN	1	1	-	7	13	-	-	-	-	-	-	-	-	-	-	-
GADWALL	-	-	-	6	13	-	-	2	5	-	-	-	-	-	6	-
WIGEON, EURASIAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMERICAN	1	-	-	-	11	-	-	-	-	-	-	-	-	-	3	-
CANVASBACK	-	1	-	4	-	-	-	-	-	19	1	-	-	-	1	-
REDHEAD	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
DUCK, RING-NECKED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUCK, RING-NECKED	47	-	-	-	-	-	-	-	-	-	1	-	-	-	-	3
SCAUP, GREATER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LESSER	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	2
scaup sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OLDSQUAW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCOTER, WHITE-WINGED	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
scoter sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLDENEYE, COMMON	-	-	9	40	1	12	-	10	-	5	6	-	-	-	-	-
BUFFLEHEAD	1	-	-	-	-	6	-	44	-	-	7	-	-	-	2	-
MERGANSER, HOODED	2	2	34	5	5	3	-	6	-	-	2	1	6	4	2	1
COMMON	19	12	-	4	1	4	41	5	7	-	1	28	-	-	139	-
RED-BREADED	-	2	-	2	-	-	71	-	-	-	-	-	-	-	-	-
DUCK, RUDDY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
duck sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VULTURE, BLACK	-	11	-	-	-	-	-	-	-	-	-	-	-	-	33	-
TURKEY	-	1	28	-	1	-	-	-	-	-	-	-	1	-	5	-
OSPREY	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
EAGLE, BALD	-	-	-	8	-	-	-	1	-	1	-	2	-	-	-	-
HARRIER, NORTHERN	1	3	1	-	3	1	1	1	2	-	-	-	-	1	-	-
HAWK, SHARP-SHINNED	14	5	1	4	2	3	3	7	4	1	6	-	2	-	2	1
COOPER'S	13	4	1	2	4	2	1	1	5	2	18	-	2	1	2	5
GOSHAWK, NORTHERN	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
accipiter sp.	2	-	-	-	-	-	-	-	1	-	3	-	-	-	-	-
HAWK, RED-SHOULDERED	1	1	2	-	-	-	-	-	-	-	2	-	-	-	-	2
RED-TAILED	139	87	72	26	26	13	15	22	61	16	82	10	22	10	86	19
ROUGH-LEGGED	-	2	1	1	-	-	-	-	-	1	-	2	-	-	-	-
buteo sp.	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
kestrel, american	33	38	26	6	28	1	3	9	55	-	5	2	1	5	25	2
MERLIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALCON, PEREGRINE	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
raptor sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHEASANT, RING-NECKED	4	2	-	-	19	-	-	3	8	-	7	-	1	1	3	3

PENNSYLVANIA'S 1996 CHRISTMAS BIRD COUNTS

	LEHI	LEWG	LEWN	LINE	LITI	LOCK	MANS	NEWB	NEWV	PENN	PITT	PLEA	POCO	RACC	READ	RECT
GROUSE, RUFFED	1	2	2	5	5	1	8	5	-	-	1	1	1	1	-	1
TURKEY, WILD	91	35	19	-	-	38	-	12	-	9	99	-	89	83	9	66
BOBWHITE, NORTHERN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COOT, AMERICAN	-	-	-	326	-	1	-	1	-	-	7	-	-	-	4	10
KILLDEER	18	9	22	-	26	-	-	2	3	5	-	-	-	-	4	3
SNIFE, COMMON	-	5	5	-	34	-	-	2	2	-	-	-	-	-	4	-
WOODCOCK, AMERICAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GULL, LAUGHING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BONAPARTE'S	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-
RING-BILLED	64	3	2	267	159	1	7	51	1	98	25	-	9	-	1,442	-
HERRING	8	2	8	8	2	1	-	7	2	5	26	-	9	-	499	-
ICELAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LESSER BLACK-BACKED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GLAUCOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GREAT BLACK-BACKED	-	-	-	-	-	-	-	2	-	12	-	-	-	-	1	-
gull sp.	-	-	-	-	-	-	-	-	1	-	24	-	1	-	-	-
DOVE, ROCK	883	705	1,020	31	381	404	177	370	986	509	1,539	-	242	26	1,168	32
MOURNING	1,622	269	105	572	159	180	161	112	827	359	1,153	22	96	25	2,339	243
OWL, BARN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EASTERN SCREECH	6	7	1	3	20	4	-	46	52	1	21	1	1	13	15	1
GREAT HORNED	16	19	8	3	12	1	2	22	29	6	6	-	-	1	29	-
BARRED	-	2	1	2	-	-	-	1	5	-	1	-	-	-	-	-
LONG-EARED	-	-	-	-	-	-	-	1	5	-	-	-	-	-	-	-
SHORT-EARED	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
NORTHERN SAW-WHET	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
owl sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HUMMINGBIRD, RUFOUS	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KINGFISHER, BELTED	16	7	12	3	14	6	1	12	19	6	14	5	2	3	16	1
WOODPECKER, RED-HEADED	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WOODPECKER, RED-BELLIED	93	42	66	5	46	8	2	37	80	24	126	5	12	10	80	32
SAPSUCKER, YELLOW-BELLIED	13	-	4	-	-	-	-	1	2	-	3	-	-	-	5	2
WOODPECKER, DOWNY	212	112	152	89	100	24	22	122	179	28	313	13	44	22	162	78
HAIRY	28	8	22	10	16	5	9	8	17	10	55	6	10	6	25	8
FLICKER, NORTHERN	65	9	19	9	25	9	1	17	41	2	43	1	7	6	55	12
red-shafted form	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WOODPECKER, PILEATED	2	5	14	6	1	6	3	7	7	-	17	5	5	7	2	14
PHOEBE, EASTERN	-	-	-	-	-	-	-	-	2	-	2	-	-	-	-	-
LARK, HORNED	57	1	-	105	44	22	-	3	251	11	-	-	-	20	70	85
JAY, BLUE	232	165	167	162	100	91	161	140	169	39	600	72	173	26	170	140
CROW, AMERICAN	801	15,000	688	216	10,626	334	390	465	487	122	1,110	107	400	84	987	292
FISH	1	8	-	-	3	-	-	-	3	-	-	-	-	-	4	-
crow sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RAVEN, COMMON	-	6	2	-	-	3	8	-	-	-	-	1	-	-	-	12
CHICKADEE, BLACK-CAPPED	392	159	103	400	248	138	213	273	132	-	198	195	211	11	296	465
CAROLINA	2	-	-	-	12	-	-	1	79	121	197	-	-	53	2	-
chickadee sp.	-	-	-	-	-	-	-	-	-	-	472	-	-	32	-	-
TITMOUSE, TUFTED	505	215	359	29	203	59	58	336	290	132	620	23	95	74	299	178
NUTHATCH, RED-BREASTED	6	2	-	7	1	-	-	1	4	-	1	-	3	-	1	-
WHITE-BREASTED	162	85	173	78	47	32	20	70	137	31	207	57	50	63	85	90
CREEPER, BROWN	7	6	27	9	16	5	3	23	26	-	29	4	-	4	5	12
WREN, CAROLINA	12	4	20	2	12	7	-	23	45	12	143	1	4	5	21	4
HOUSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WINTER	7	4	8	1	5	1	2	4	19	2	2	-	1	-	4	3
MARSH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KINGLET, GOLDEN-CROWNED	47	14	68	23	39	13	6	82	79	6	17	4	10	57	42	44
RUBY-CROWNED	3	13	2	2	1	-	22	1	5	-	-	-	-	-	3	2
kinglet sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

PENNSYLVANIA'S 1996 CHRISTMAS BIRD COUNTS

	LEHI	LEWG	LEWN	LINE	LITI	LOCK	MANS	NEWB	NEWV	PENN	PITT	PLEA	POCO	RACC	READ	RECT
BLUEBIRD, EASTERN	94	175	189	34	101	31	2	215	152	-	17	4	59	17	76	71
THRUSH, HERMIT	6	-	-	1	7	-	-	3	4	-	1	-	-	-	9	-
ROBIN, AMERICAN	34	32	4	24	16	1	-	6	30	7	148	3	6	-	21	5
CATBIRD, GRAY	-	-	-	-	-	-	1	2	-	-	-	-	1	-	-	-
MOCKINGBIRD, NORTHERN	129	24	13	-	40	3	-	15	71	21	15	-	9	1	78	1
THRASHER, BROWN	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
PIPIT, AMERICAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WAXWING, CEDAR	10	81	31	19	216	119	6	141	219	-	34	-	-	-	381	15
SHRIKE, NORTHERN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOGGERHEAD	3,217	5,553	2,252	601	8,165	2,514	285	1,369	11,276	190	1,487	22	633	45	7,500	575
STARLING, EUROPEAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIREO, SOLITARY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WARBLER, NASHVILLE	41	-	30	2	2	-	-	13	96	1	19	-	-	-	9	4
YELLOW-RUMPED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PINE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PALM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BLACK-AND-WHITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YELLOWTHROAT, COMMON	1	-	-	-	-	-	-	-	2	-	-	-	-	-	1	-
CHAT, YELLOW-BREADED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
CARDINAL, NORTHERN	638	174	223	141	290	75	51	304	371	128	794	22	96	32	466	135
DICKCISEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOWHEE, EASTERN	2	2	1	1	23	92	76	73	115	5	1	-	1	-	3	-
SPARROW, AMERICAN TREE	321	190	76	482	415	-	-	-	-	-	25	8	74	25	36	106
CHIPPING	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
FIELD	13	24	2	1	43	4	-	22	10	4	3	-	7	-	8	1
SAVANNAH	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-
FOX	-	-	-	-	-	-	-	1	2	-	-	-	5	-	-	-
SONG	236	82	135	62	409	31	5	143	214	61	273	8	38	44	172	70
SWAMP	11	2	-	11	16	4	-	3	23	1	-	2	1	-	7	8
WHITE-THROATED	1,136	103	120	17	1,560	29	1	184	585	418	204	3	62	1	956	8
WHITE-CROWNED	26	23	1	-	37	1	-	12	216	-	1	-	2	-	5	-
sparrow sp.	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-
JUNCO, DARK-EYED	1,998	711	754	194	912	464	193	690	715	203	683	99	487	64	1,439	271
LONGSPUR, LAPLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BUNTING, SNOW	-	-	-	28	1	-	-	-	4	-	-	-	-	-	-	-
BLACKBIRD, RED-WINGED	4	5	40	37	2	-	-	153	153	-	-	-	1	-	29	6
MEADOWLARK, EASTERN	-	1	2	-	11	-	-	1	16	-	-	-	-	-	-	-
BLACKBIRD, YELLOW-HEADED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RUSTY	-	-	-	2	-	-	-	-	23	-	-	-	-	-	-	-
BREWER'S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRACKLE, COMMON	1	1	-	-	4	-	-	-	136	1	2	1	-	-	-	-
COWBIRD, BROWN-HEADED	46	-	21	-	502	-	1	-	638	-	-	-	-	-	212	-
blackbird sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORIOLE, BALTIMORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FINCH, PURPLE	8	8	3	1	6	4	-	9	40	-	2	3	2	-	11	7
HOUSE	1,173	371	237	225	164	321	85	225	477	199	1,223	73	92	4	749	263
CROSSBILL, WHITE-WINGED	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REDPOLL, COMMON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SISKIN, PINE	-	-	-	3	-	1	5	-	-	-	2	-	-	-	-	-
GOLDFINCH, AMERICAN	269	96	178	62	120	86	91	144	148	31	361	18	43	42	148	53
GROSBEAK, EVENING	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
SPARROW, HOUSE	935	685	484	81	898	318	106	234	1,053	120	1,606	83	118	65	577	310
TOTAL INDIVIDUALS	27,281	27,023	8,553	18,086	32,731	6,135	2,546	7,065	22,522	3,641	16,671	996	3,968	1,292	25,193	4,242
TOTAL SPECIES	76	79	63	79	78	57	45	75	81	52	69	43	55	43	79	60

PENNSYLVANIA'S 1996 CHRISTMAS BIRD COUNTS

	SBUK	SLAN	SCRA	STAT	SUSQ	THOM	TUNK	UBUK	WARR	WASH	WEST	WHIT	WILD	WILL	WYNC	YORK
LOON, COMMON	4	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
GREBE, PIED-BILLED	30	1	-	-	-	-	1	5	4	1	-	-	-	-	-	13
HORNED	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
RED-NECKED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CORMORANT, GREAT	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CORMORANT, DOUBLE-CRESTED	12	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HERON, GREAT BLUE	61	53	1	11	1	-	4	26	10	1	24	-	2	3	8	6
NIGHT-HERON, YELLOW-CROWNED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWAN, TUNDRA	-	377	-	1	-	-	-	-	2	-	-	-	-	-	-	4
MUTE	13	-	3	-	-	-	-	4	2	-	-	-	-	-	4	2
GOOSE, SNOW	13	14,959	-	-	-	-	-	5	-	-	1	-	-	-	1	-
blue form	41	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
GOOSE, CANADA	17,322	8,426	407	390	28	-	2,626	8,828	229	465	7,349	13	786	600	4,007	3,363
DUCK, WOOD	3	7	-	-	-	-	1	1	4	-	-	-	-	1	14	-
TEAL, GREEN-WINGED	2	2	-	4	-	-	54	186	9	4	12	6	18	13	2	-
DUCK, AMERICAN BLACK	203	1,350	17	10	2	-	179	1,955	712	87	584	46	142	70	545	37
MALLARD	1,658	1,406	338	920	35	-	-	-	-	-	-	-	-	-	-	973
mallard hybrid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PINTAIL, NORTHERN	-	8	-	-	-	-	-	-	1	-	-	-	1	-	-	-
SHOVELER, NORTHERN	-	5	-	-	-	-	-	-	-	-	-	-	-	-	1	-
GADWALL	1	3	-	-	-	-	-	4	-	-	-	-	2	-	-	-
WIGEON, EURASIAN	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMERICAN	1	13	-	-	-	-	-	-	-	-	-	-	-	-	-	10
CANVASBACK	2	-	-	-	-	-	-	-	1	-	5	-	-	-	-	3
REDHEAD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
DUCK, RING-NECKED	36	7	1	-	-	-	8	-	-	-	21	-	-	-	1	1
SCAUP, GREATER	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LESSER	4	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
scap sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OLDSQUAW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCOTER, WHITE-WINGED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
scoter sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLDENEYE, COMMON	28	12	-	-	-	-	1	-	44	-	-	2	7	17	-	7
BUFFLEHEAD	74	8	3	-	-	-	8	4	36	-	-	2	13	13	-	8
MERGANSER, HOODED	46	12	-	-	-	-	-	37	134	-	8	2	16	8	13	10
COMMON	263	5,507	49	-	-	-	70	177	373	-	15	227	17	90	-	7
RED-BREASTED	7	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUCK, RUDDY	3	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
duck sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VULTURE, BLACK	-	113	-	-	-	-	-	12	-	-	29	-	-	-	1	92
TURKEY	31	383	-	-	-	-	-	59	-	-	178	-	-	-	20	69
OSPREY	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EAGLE, BALD	-	26	-	-	-	-	1	2	14	-	-	3	-	-	-	-
HARRIER, NORTHERN	1	-	-	1	-	-	-	5	-	-	-	-	2	2	-	-
HAWK, SHARP-SHINNED	14	16	4	2	1	-	2	19	4	2	14	-	3	4	11	-
COOPER'S	8	3	1	5	-	-	3	9	5	8	2	-	1	4	8	6
GOSHAWK, NORTHERN	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
accipiter sp.	2	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-
HAWK, RED-SHOULDERED	-	2	-	-	-	-	1	7	1	-	3	-	1	-	-	-
RED-TAILED	111	101	17	48	8	1	29	157	16	29	109	12	33	35	66	50
ROUGH-LEGGED	-	-	-	2	-	-	-	-	1	-	-	-	-	1	-	-
buteo sp.	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
KESTREL, AMERICAN	14	51	2	15	-	-	2	32	1	15	10	-	5	9	5	25
MERLIN	1	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-
FALCON, PEREGRINE	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
raptor sp.	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
PHEASANT, RING-NECKED	1	14	5	-	-	-	2	11	-	-	-	2	1	-	7	3

PENNSYLVANIA'S 1996 CHRISTMAS BIRD COUNTS

	SBUK	SLAN	SCRA	STAT	SUSQ	THOM	TUNK	UBUK	WARR	WASH	WEST	WHIT	WILD	WILL	WYNC	YORK
BLUEBIRD, EASTERN	26	377	15	32	-	-	25	351	-	44	213	1	85	117	-	110
THRUSH, HERMIT	4	27	-	8	-	-	-	11	-	-	16	-	-	-	8	4
ROBIN, AMERICAN	313	48	1	9	-	-	14	1,287	4	-	85	3	15	45	364	10
CATBIRD, GRAY	8	3	1	2	-	-	-	2	-	-	3	-	-	-	2	1
MOCKINGBIRD, NORTHERN	151	168	12	19	2	-	2	123	-	15	232	-	12	9	79	71
THRASHER, BROWN	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
PIPET, AMERICAN	-	96	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WAXWING, CEDAR	23	249	72	147	-	1	225	758	75	4	19	26	60	207	23	45
SHRIKE, NORTHERN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOGGERHEAD	-	-	-	-	-	139	1,036	6,558	885	572	3,511	47	1,156	1,463	1,468	2,283
STARLING, EUROPEAN	4,720	9,324	4,742	5,346	289	-	-	-	-	-	-	-	-	-	-	-
VIREO, SOLITARY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WARBLER, NASHVILLE	-	47	-	1	-	-	-	170	-	16	3	-	2	8	-	14
YELLOW-RUMPED	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PINE	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PALM	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BLACK-AND-WHITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YELLOWTHROAT, COMMON	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHAT, YELLOW-BREADED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CARDINAL, NORTHERN	485	770	78	231	5	4	99	659	91	356	522	2	52	141	306	217
DICKCISSEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOWHEE, EASTERN	8	28	-	3	-	-	-	-	-	-	30	-	1	-	3	5
SPARROW, AMERICAN TREE	66	22	173	203	43	24	129	75	40	61	9	121	154	198	2	39
CHIPPING	1	-	-	3	-	-	-	3	-	2	-	-	-	-	1	-
FIELD	139	30	-	1	-	-	3	41	3	-	18	-	2	12	40	18
SAVANNAH	50	26	-	-	-	-	-	1	-	-	-	-	3	-	11	-
FOX	3	16	-	-	-	-	-	8	-	-	3	-	-	-	2	4
SONG	539	789	50	100	3	1	76	392	11	129	374	21	33	35	102	155
SWAMP	14	29	-	2	-	-	-	11	-	-	20	-	4	-	3	12
WHITE-THROATED	1,392	2,587	42	407	-	-	78	1,121	19	17	955	3	70	35	706	526
WHITE-CROWNED	-	89	-	9	-	-	-	18	-	12	-	-	2	9	-	114
sparrow sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JUNCO, DARK-EYED	797	2,243	422	1,235	37	47	597	2,533	692	275	1,028	92	487	1,017	769	1,357
LONGSPUR, LAPLAND	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
BUNTING, SNOW	-	-	-	-	-	-	-	-	-	-	-	13	5	-	-	-
BLACKBIRD, RED-WINGED	14	40,673	6	92	-	-	-	9	-	-	29	-	21	-	-	3
MEADOWLARK, EASTERN	-	38	-	1	-	-	-	7	2	-	-	-	-	-	-	-
BLACKBIRD, YELLOW-HEADED	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RUSTY	2	27	-	3	-	-	-	2	-	2	-	-	34	-	3	-
BREWER'S	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-
GRACKLE, COMMON	18	27,217	-	-	-	-	-	127	-	-	27	-	-	-	-	4
COWBIRD, BROWN-HEADED	125	6,187	-	260	-	-	156	2	-	1	1	-	311	1	5	3
blackbird sp.	-	70,700	-	20	-	-	-	-	-	-	-	-	-	-	-	-
ORIOLE, BALTIMORE	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
FINCH, PURPLE	6	14	31	11	3	-	1	250	6	5	3	4	-	5	4	5
HOUSE	525	316	216	919	33	10	236	1,332	250	360	397	41	122	225	284	250
CROSSBILL, WHITE-WINGED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REDPOLL, COMMON	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-
SISKIN, PINE	-	-	-	4	-	-	-	-	1	-	-	-	-	-	-	-
GOLDFINCH, AMERICAN	158	259	103	218	17	33	200	265	109	126	148	43	75	234	98	89
GROSBEAK, EVENING	-	-	-	20	-	13	-	-	-	-	-	12	-	63	-	-
SPARROW, HOUSE	372	631	858	911	156	21	127	275	289	385	67	96	163	345	457	409
TOTAL INDIVIDUALS	120,402	217,990	10,669	17,194	1,568	570	8,116	35,811	6,442	5,016	20,058	1,824	5,996	7,856	12,777	13,759
TOTAL SPECIES	91	105	51	68	33	21	61	89	56	51	69	45	71	60	64	78

	TOTALS		NO. OF COUNTS		AVERAGE		HIGH COUNT		TOTALS	NO. OF COUNTS		AVERAGE		HIGH COUNT					
LOON, COMMON	25	11	2	10	2	11	10	JOHN	187	42	4	22	HUNT	5,220	57	92	377	SLAN	
GREBE, PIED-BILLED	100	22	5	30	5	22	30	SBUK	2,041	43	47	246	TUNK	199	34	6	27	SLAN	
HORNED	64	7	9	54	9	7	54	ERIE	6	2	3	5	SLAN	4,188	57	73	1,287	UBUK	
RED-NECKED	1	1	1	1	1	1	1	BETH	2,534	34	75	478	ERIE	57	25	2	8	SBUK	
CORMORANT, GREAT	38	3	13	32	13	3	32	PENN	471	29	16	102	GLEN	2,388	51	47	232	WEST	
CORMORANT, DOUBLE-CRESTED	29	4	7	15	7	4	15	ERIE	90	15	6	34	LITI	9	7	1	2	9	
HORN, GREAT BLUE	684	59	12	61	12	59	61	SBUK	1	1	1	1	GLEN	99	2	50	96	SLAN	
NIGHT-HERON, YELLOW-CROWNED	1	1	1	1	1	1	1	HARR	542	6	90	522	ERIE	6,186	56	110	758	UBUK	
SWAN, TUNDRA	4,630	23	201	3,833	201	23	3,833	LANC	109,672	45	2,437	55,961	LANC	1	1	1	2	CLARN	
GOOSE, SNOW	43,110	17	2,536	28,030	17	17	28,030	LANC	67,046	40	1,676	64,411	SBUK	190,104	64	2,970	17,291	BETH	
GOOSE, CANADA	151,210	62	2,439	18,527	62	62	18,527	CBUK	3	1	3	3	ELVE	1	1	1	1	READ	
DUCK, WOOD	85	23	4	14	4	23	14	WYNC	24	4	6	21	SBUK	1	1	1	1	LANC	
TEAL, GREEN-WINGED	340	15	23	285	15	15	285	GLEN	1	1	1	1	SBUK	930	42	22	170	UBUK	
DUCK, AMERICAN BLACK	5,253	56	94	1,360	56	56	1,360	SLAN	1,498	15	100	1,081	SBUK	3	3	1	1	10	
MALLARD	35,122	61	576	2,184	61	61	2,184	BETH	77	10	8	24	PITT	5	3	2	3	LANC	
mallard hybrid	10	3	3	5	3	3	5	RECT	37,056	63	588	2,250	BETH	2	2	1	1	11	
PINTAIL, NORTHERN	101	17	6	60	6	17	60	GLEN	30,805	64	481	2,339	READ	9	8	1	2	NEWV	
SHOVELER, NORTHERN	36	10	4	13	4	10	13	LITI	6	3	2	4	GETT	14,447	64	226	794	PITT	
GADWALL	172	19	9	73	9	19	73	HARR	750	52	14	109	UBUK	1	1	1	1	BETH	
WIGEON, EURASIAN	1	1	1	1	1	1	1	SLAN	642	54	12	63	UBUK	1	1	1	1	1	
AMERICAN	97	18	5	31	5	18	31	HARR	46	24	2	6	SLAN	254	42	6	63	GLEN	
CANVASBACK	203	20	10	95	10	20	95	BUTL	18	11	2	5	NEWV	7,115	63	113	664	BLOO	
REDHEAD	13	6	2	3	2	6	3	1	21	9	2	2	CLARN	36	15	2	10	CHAM	
DUCK, RING-NECKED	288	21	13	82	13	21	82	ELVE	11	9	1	2	5	833	48	17	139	SBUK	
SCAUP, GREATER	106	4	26	102	4	4	102	ERIE	1	1	1	1	LANC	130	12	11	50	SBUK	
LESSER	103	12	9	39	9	12	39	ERIE	1	1	1	1	LEHI	85	17	5	30	GLEN	
scaup sp.	26	5	5	10	5	5	10	ERIE	508	56	9	35	SLAN	9,988	64	156	1,269	UBUK	
SCOTER, WHITE-WINGED	5	1	5	2	1	5	2	HARR	2,712	60	45	154	SLAN	23,434	62	378	2,587	SLAN	
GOLDENEYE, COMMON	1,392	27	52	1,010	27	27	1,010	ERIE	158	35	5	18	SLAN	1,082	35	31	216	NEWV	
BUFFLEHEAD	703	26	27	185	26	26	185	ERIE	6,159	64	96	376	UBUK	16	1	16	16	POCO	
MERGANSER, HOODED	496	32	16	134	16	32	134	WAR	990	63	16	55	PITT	46,339	64	724	2,533	UBUK	
COMMON	8,188	39	210	5,507	39	39	5,507	SLAN	1,432	58	25	137	UBUK	10	5	2	4	CLARN	
RED-BREASTED	129	12	11	71	11	12	71	MANS	370	57	6	23	GETT	132	12	11	40	BETH	
DUCK, RUDDY	129	9	14	100	9	9	100	BUTL	12	9	1	2	6	42,747	33	1,295	40,673	SLAN	
duck sp.	2	1	2	2	1	2	2	BUSH	3,777	33	114	440	CHAM	185	18	10	38	SLAN	
VULTURE, BLACK	547	16	34	113	16	16	113	SLAN	11,826	64	185	600	PITT	1	1	1	1	SLAN	
TURKEY	1,388	23	61	383	23	23	383	SLAN	76,541	64	1,196	15,000	LEWG	136	16	8	34	WILD	
OSPREY	3	3	1	1	1	3	1	2	1,189	26	46	458	SBUK	8	1	8	8	UBUK	
EAGLE, BALD	69	17	4	26	4	17	26	SLAN	48	1	48	48	SLAN	159,282	29	5,492	127,505	ELVE	
HARRIER, NORTHERN	89	34	3	13	3	34	13	CLARN	125	25	5	18	EMPO	70,721	3	23,574	70,700	SLAN	
HAWK, SHARP-SHINNED	290	51	6	19	6	51	19	UBUK	12,757	62	206	698	INDI	2	2	1	1	12	
COOPER'S	240	57	4	18	4	57	18	PITT	5,584	26	215	641	GLEN	772	52	15	250	UBUK	
GOSHAWK, NORTHERN	8	6	1	3	1	6	3	CHAM	857	8	107	472	PITT	22,111	64	345	1,332	UBUK	
accipiter sp.	10	6	2	3	2	10	3	PITT	12,059	63	191	734	UBUK	1	1	1	1	LEHI	
HAWK, RED-SHOULDERED	46	21	2	7	2	21	7	UBUK	139	42	3	17	SLAN	76	2	38	68	EMPO	
RED-TAILED	2,875	63	46	157	46	63	157	UBUK	5,055	64	79	207	PITT	82	11	7	40	HAMB	
ROUGH-LEGGED	31	15	2	10	2	15	10	DALL	806	59	14	98	HARR	8,198	64	128	361	PITT	
bufeo sp.	2	2	1	1	1	2	1	3	1,165	56	21	143	PITT	113	8	14	63	WILL	
KESTREL, AMERICAN	957	56	17	57	17	56	57	HAMB	10	7	1	2	7	25,979	64	406	1,606	PITT	
MERLIN	8	7	1	4	1	7	4	WILD	288	48	6	45	SLAN	TOTAL INDIVIDUALS	2,627,634	20,528	217,990	SLAN	
FALCON, PEREGRINE	3	3	1	1	1	3	1	4	2	2	37	269	SLAN	150	65		106	SLAN	
raptor sp.	5	2	2	4	2	5	4	AUDU	2,231	61	5	22	MANS						
PHEASANT, RING-NECKED	260	42	6	27	6	42	27	CURT	154	34	5	1	1	1	1	1	1	1	AUDU
									1	1	1	1	1	1	1	1	1	1	STAT, NEWB
																			3. STAT, NEWB
																			4. SBUK, PITT, GLEN
																			5. STAT, SLAN
																			6. SLAN, PITT, NEWV
																			7. LANC, GLEN, BETH
																			8. SLAN, GLEN
																			9. WEST, GLEN
																			10. SBUK, LANC, INDI
																			11. READ, LANC
																			12. UBUK, GLEN

1. YORK, ELVE, BUTL
 2. SLAN, MANS, LEWG
 3. STAT, NEWB
 4. SBUK, PITT, GLEN
 5. STAT, SLAN
 6. SLAN, PITT, NEWV
 7. LANC, GLEN, BETH
 8. SLAN, GLEN
 9. WEST, GLEN
 10. SBUK, LANC, INDI
 11. READ, LANC
 12. UBUK, GLEN

Subspecies and intergrade Red-tailed Hawks in western Pennsylvania

by Kenneth C. Parkes

The Red-tailed Hawk (*Buteo jamaicensis*) is a highly polytypic species (i.e., having many subspecies) inhabiting virtually all of North America, the Greater Antilles, and Central America from Guatemala to Costa Rica. Depending on taxonomic viewpoint (sometimes based on inadequate examination of specimens), 14 to 16 subspecies are recognized within this range. The breeding subspecies in Pennsylvania (as well in the eastern United States north of Florida) is *B. j. borealis*; most migrants through the state are also referable to this subspecies. Todd (1950) described the breeding Red-tails of the spruce-fir belt of Canada west to Alberta as *B. j. abieticola* (= "inhabitant of spruce"). Few authors have accepted this race, but most of those who did not do so admitted that they examined too few specimens to make a judgment. Its characters are thoroughly discussed by Dickerman and Parkes (1987), who also list specimens they examined that were not listed in Todd's original description. Briefly, *abieticola* is more heavily marked ventrally than *borealis*, and the throat, usually white in *borealis*, is heavily streaked with black or even solidly black. Several specimens of *abieticola* are known from Pennsylvania.

The widely distributed subspecies of Canada and the United States west of the ranges of *borealis* and *abieticola* is *B. j. calurus*. Unlike the eastern races, *calurus* is highly variable in color, with melanistic and erythristic (= reddish) individuals quite common. The "normal" individuals differ from the eastern races in having a richer buff ground color on the underparts, which are often more streaked than in *borealis*, but not as heavily marked as in *abieticola*. They always have barred thighs (plain in eastern birds), and have few to many transverse black marks on the tail feathers in addition to the one subterminal black bar of *borealis* and *abieticola*. Dickerman and Parkes (1987) were unable to find any unequivocal specimens of *calurus* from the northeastern states. The mounted specimen identified as *calurus* by Todd

(1940), Carnegie Museum of Natural History (CM) 122330, is very strange looking. It was collected near Racine, Beaver Co., Pa. on 18 November 1912, and was described in detail by Dickerman and Parkes. It is matched by no other specimen in the collections of the American, U.S. National, or Carnegie museums. It could be an immature individual of the morph called "dark/rufous intergrade" by Wheeler and Clark (1995), an adult from Arizona of which is shown in their figure RT34.

There are two recently published sight records of dark Red-tailed Hawks in Pennsylvania. The first of these (Wiltraut 1991) concerned a bird seen several times in Forks Twp, Northampton Co. in January 1991 (and possibly the same bird in January 1990). The report includes a photograph with a somewhat distant image of the hawk, not detailed enough to be able to tell whether all of the plumage was solidly dark. The tail, which does not show in the photograph, was merely described as "rufous red." The second report (Floyd 1992) includes a more detailed description of a hawk seen about 3 km north of State College, Centre Co., 23 February 1992 (and thereafter for an unspecified length of time). It was described as having the entire body very nearly black (later the underparts were called "entirely black"), with an evenly-colored bright red tail; the latter struck the observer as "being more of a solid red than the rufous red that is characteristic of 'eastern' Red-tailed Hawks.

Although Floyd's note was headed "Dark-morph 'Western' Red-tailed Hawk, it is reasonably certain that it was *not* an example of the western *calurus*. There are three points that support such a statement. First, truly black Western Red-tails, such as that in Wheeler and Clark's figure RT35, are exceedingly rare. Second, the red of the tails of Western Red-tails averages noticeably paler than that of unworn Eastern Red-tails (as would be true in winter). Third, and most important,

adult Western Red-tails of all morphs have black barring on the tail feathers, usually very conspicuous (note the tail patterns of the dark morph adults in Wheeler and Clark's figs. RT09, RT29, and RT35).

So what was Floyd's bird? The best guess is that it was a melanistic individual of the Eastern subspecies *borealis*, in spite of the statement by Wheeler and Clark that *borealis* does not have a dark morph (see Palmer 1988).

Most subspecies of Red-tailed Hawk intergrade with adjacent races where their breeding ranges meet. In the most recent review of the Red-tailed Hawk (Preston and Beane 1993) this phenomenon is mentioned, but the intergrades are not actually described. In a pioneering study of a kind that few of today's ornithologists would have the patience to conduct, Taverner (1927) assembled a series of 157 skins, mostly from Canada and mostly of breeding birds (including known parents and offspring). He described "typical" examples of each Canadian subspecies and of intergrades, figuring many in color. Given that many North American migratory birds display a southeastern trend in their post-breeding migrations, it would not be unexpected to find that migrants from the *borealis-calurus* and *abieticola-calurus* zones of intergradation might occasionally find their way to western Pennsylvania. At present there are no such specimens in the Carnegie collection. However, CM 151576, a salvaged bird, was found on 9 February 1977 at Poland, Mahoning Co., Ohio, only 5 mi (8 km) west of the Lawrence Co., Pennsylvania border. Its body plumage is typical of adult *borealis*, but its tail is pale rufous and heavily barred, like that of many *calurus*.

The subspecies *harlani* has had a checkered career. It was described by Audubon as a full species, but of course Audubon preceded the application of the subspecies concept.

Pure adults of "Harlan's Hawk" are easily identifiable; they are unique among Red-tails in having a peculiar blurred, freckled and marbled tail pattern of variable amounts of gray and reddish, with or without blackish spots that are often longitudinal; this is utterly different from the reddish-brown tails of other races, in which any blackish markings are transverse. The upperparts are always dark, blacker than in dark-morph *calurus*; underparts vary from solidly dark to white with heavy longitudinal black streaks. Immature *harlani* are much like those of *calurus*, with similarly barred tails, but usually lack any trace of brown in the body plumage. Peters (1931) regarded *harlani* as a full species, an opinion shared by Wood (1932), and followed in the 5th edition of the American Ornithologists' Union (A.O.U.) Check-list (1957). The A.O.U. reversed itself in 1973, reverting to subspecific treatment for *harlani*, citing the works of several authors who listed *harlani* as a subspecies of *jamaicensis* (although with no discussion). Palmer (1988) insisted that *harlani* was neither a valid species or subspecies, but a color morph ("melanistic individuals, undesignated as to subspecific name[s]"), thus discounting the importance of the unique tail pattern of adult *harlani*, which is never found in dark individuals of *calurus* except for intergrades. Mindell (1983, 1985) has made a good case for *harlani* as a subspecies with a range of its own, but with much introgression from *calurus*.

Todd (1940) gave incomplete information on a specimen of *harlani* in the Carnegie Museum of Natural History, presumably the basis for the mention in several works of Pennsylvania among the localities of stragglers of *harlani*. The specimen (CM 135531) was taken by W. D. Hunter at Racine, Beaver Co., 24 December 1927 — the same collector and the same locality as the alleged specimen of *calurus* mentioned above. The identification in this case is correct; Todd sent the specimen to Taverner, then the authority on the species, who verified that it is indeed an immature *harlani*.

The status of *Buteo jamaicensis*

"*kriderii*" is controversial. The name was given to Red-tailed Hawks with a great deal of white in the plumage; although some authorities (e.g. A.O.U. 1957; Mindell 1983) assign a definite breeding range in the Great Plains region to "*kriderii*", Preston and Beane (1993) state that it is "probably not a valid subspecies; unclear if breeding range exclusive of other races exists." Dickerman (1989) believed that "*kriderii*" is "not a valid taxonomic concept." The problem is compounded by the fact that "typical" examples of "*kriderii*" are strikingly white, and that the color morph (or whatever it is) is found principally within the Great Plains range mapped by Preston and Beane (1993). Taverner (1936), in discussing "*kriderii*", called it "unstable, no two birds being alike." However, this is also true of other populations of Red-tails, notoriously of *calurus*, although variation in the latter does not seem to be related to geography. Specimens of migrants that exhibit more white in the plumage than is typical for their subspecies would be considered intergrades with "*kriderii*" if that were indeed a valid subspecies. One such specimen is CM 152083, found shot (!) in the Todd Sanctuary, Buffalo Township, Beaver Co., 4 February 1978. Its head and upperparts are much like those of two "*kriderii*" from Kansas in the CM collection, but the ground color of its tail, gray somewhat washed with rusty, is no paler than those of "normal" *borealis*. On the other hand, the *barring* of the tail feathers differs from *borealis* in that the bars are angled rather than straight, and are incomplete on several of the feathers. The inner webs of some tail feathers have irregular spots and linear markings like those of many adult *harlani* (see fig. 21 of Wood 1932). Judging only by its characters, this specimen could be considered an intergrade between "*kriderii*" and *harlani*. Although the distribution map published by Preston and Beane (1993) shows the ranges of *harlani* and "*kriderii*" as widely separated, Taverner (1927, 1936) identified several specimens in the National Museum of Canada as intergrades between these forms; a breeding adult from Red Deer, Alberta (1927, plate III, fig.6), far south of the southern border of the range of *harlani* as shown by

Preston and Beane, appears clearly to be an exceptionally white *harlani*, or "*kriderii*" with a pale version of the typical *harlani* tail. CM 152083 could easily be an immature individual of the same parentage.

A particularly strange bird is CM 154217, which was found dead on 15 November 1981 at the Rachelwoods Wildlife Preserve, Fairfield Township, Westmoreland Co. Its underparts are a good match for less-heavily marked individuals of *borealis*. Its tail, however, is unlike that of any Red-tail in the CM collection. It is of a much darker, duller reddish brown than that of adults of any subspecies; the outer tail feathers are barred with blackish as in most immatures, with the barring becoming less and less prominent toward the center of the tail. The central tail feathers have only two complete bars, at the outer end; toward the base there are partial bars on the outer webs only. On the inner webs and on both webs toward the base there are *harlani*-like spots and freckles. I cannot even guess at the ancestry of this bird.

The most recent addition to the atypical Red-tailed Hawks in the Carnegie collection is CM 170543, which was found dead in Moon Township, Allegheny Co., Pennsylvania on 11 December 1991. Its body plumage, both dorsal and ventral, is a good match for adult *abieticola*. Its tail feathers, however, are a peculiar mixture, with no two alike. Only one rectrix (the second outermost on the left, or L5) bears the subterminal black bar across both webs as in *abieticola* and *borealis*. The outermost rectrices (L6 and R6) have *calurus*-like barring on the outer web (only), whereas R5 is barred on the inner web only. Several feathers are extensively white: L4 on the inner web, R2 on the outer web, and R3 on both webs. Several of the feathers exhibit gray marbling on the reddish or white background, a character of *harlani*.

If one might venture a guess as to the parentage of this strange Red-tail, it is possible that one parent was pure *abieticola*, accounting for the body color, whereas the other parent came from somewhere in the zone of intergradation of *harlani* and *calurus*.

Red-tailed Hawks that appear in the field to be other than “normal” *B. j. borealis* should be studied carefully and descriptions written down in detail; of course photographs would be valuable if attainable. As suggested above, it is not enough to describe a Red-tail adult simply as “dark”; special attention should be paid to the tail, both general color and markings. Any “atypical” Red-tail brought to a rehabilitation center should also be thoroughly examined and photographed; if the sick or injured bird does not survive, the body, with full information as to locality and date of its encounter, should be donated to a museum (this is legal, as rehab centers have permits to hold otherwise protected species). Such birds are of more than local interest as possible indicators of the geographic origin of migrant and wintering Red-tailed Hawks, and should be reported to the appropriate regional editor of *Field Notes* (formerly *American Birds*).

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A Note on Hooded Merganser Breeding in Pennsylvania and Nearby States

by Ted Floyd

The following information was gathered through the internet.

In Pennsylvania, Hooded Mergansers bred for the first time ever in at least six Pennsylvania counties (Allegheny, Bradford, Columbia, Huntingdon, Indiana, and Venango) in 1996.

In New Hampshire, Hooded Mergansers have been doing very well. In one nature preserve with dozens of “Wood Duck” boxes, 40% of the nest sites contained successful nests of Hooded Mergansers.

In Delaware, Hooded Mergansers have expanded to new nest sites. (Sorry, that's all the information I have.)

In northeastern Ohio, there was no obvious range expansion this year.

So, that's just bits and pieces, but it seems to point to expanding, or at least stable, Hooded Merganser populations.

The most interesting statistic, in my opinion, comes from Pennsylvania. Those six county records weren't the result of a special statewide inventory or anything like that. It's just that, in six widespread counties, birders found breeding Hooded Mergansers for the first time ever. Several of the counties are intensively birded, so the documentation of a first breeding record is significant; the documentation for six counties has to be considered very unusual.

Off the top of my head, I can't think of any other case of so instantaneous and widespread a breeding range expansion for a particular species in Pennsylvania. Three of the records (Allegheny, Huntingdon, and Indiana) came from recently-constructed little ponds, by the way. ♣

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Cory's Subspecies Determined

by Paul and Glenna Schwalbe

Last September Hurricane Fran gave Pennsylvania a new species for its official list. It was a Cory's Shearwater, *Calonectris diomedea* (Schwalbe & Schwalbe 1996).

There are three subspecies of the Cory's Shearwater. The Cape Verde Islands race, *C. d. edwardsii*, breeds in the Cape Verde Islands, but its winter range is unknown (Cramp 1977, Palmer 1962). The nominate Mediterranean race, *C. d. diomedea*, breeds in the Mediterranean; and the east Atlantic race, *C. d. borealis*, breeds in the Azores, Madeira, Canary and Berlenga Islands (Cramp 1977, Harrison 1983, Palmer 1962). Both *diomedea* and *borealis* are found in the northwest Atlantic in summer and fall, but *borealis* is the most common.

The Cape Verde race *edwardsii* is smaller, has a shorter bill and wings (by 10-15%), the bill is black instead of yellow, and the body is noticeably darker above (Cramp 1977). The measurements of the Lycoming County bird (see Table 1) entirely rule out this subspecies.

The other two races, *diomedea* and *borealis*, are not considered separable in the field. However, with the bird in hand, wing and bill measurements can be helpful with some individuals even though there is overlap in the size of these structures. More importantly, the extent of white on the inner web of the primaries is definitive (Cramp 1977, Palmer 1962). The Lycoming County bird had a tail length of 139.5mm (almost 5½"). This individual was not sexed, but may be a male since the tarsus is 58mm.

This is greater than that given by Cramp (1977) for any of the 61 female *borealis* (the larger of the two races) measured, which had a range of 51-57mm. Other measurements are found in Table 1 below.

Note that the wing (flattened) is slightly greater than that given for *diomedea* by Cramp for either sex, but falls well within his series for ♀ *borealis*. Since only two measurements of the flattened wing are available for ♂ *borealis*, a valid comparison there is not possible. However, in the Palmer series, in which the wings were not flattened during measurement, our specimen does fall within the high end of the range for *diomedea* males. The bill measurement for the bird found in Lycoming County falls close to the mean for *borealis*, but as with the wing, it is not entirely outside the upper range of measurements for *diomedea* males. This suggests that the bird in question is *borealis*, but we must look at the primaries to settle this identification problem.

Cramp (1977) and Palmer (1962) state that the inner webs of the primaries in both *diomedea* and *borealis* have some white present. The white is much more extensive and projects well beyond the under wing coverts on *diomedea*, but is masked by these coverts on *borealis*. Photographs of the Lycoming County bird show quite clearly that the white on the primaries is completely hidden by the under wing coverts (see the photograph of the underside of the bird on page 160, *Pennsylvania Birds*, Vol 10, 1996. This

can best be seen on the right wing, since there are highlights on the left wing in this particular photograph.) Therefore, the Cory's Shearwater discovered in Lycoming County, Pa., must be of the east Atlantic race, *Calonectris diomedea borealis*. If accepted by the Pennsylvania Ornithological Records Committee, this will be a new species for the Official List of Birds of Pennsylvania (Pulcinella 1995, 1996).

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	Lycoming Specimen	<i>borealis</i>		<i>diomedea</i>		<i>edwardsii</i>	
		♂	♀	♂	♀	♂	♀
Wing Chord: Not flattened	345	*329-367	*329-362	*327-347	*312-337	-----	-----
Flattened	352	m351.5-50 †361,367 (two skins)	m344.3-50 †347-363 m 358-11	n - 9 †339-351 m 346-9	n -11 †330-347 m 339-5	†298-321 m 313-9	†302-319 m 308-7
Bill	54	*51-59 m 55.5-50 †51-59 m 55.5-52	*49-57 m 52.9-50 †49-57 m 52.8-60	*49-56 n - 9 †49-55 m 51.2-17	*44-51 n - 11 †45-50 m 47.3-16	----- †41-46 m 44.6-52	----- †39-46 m 42.5-52

TABLE 1. Adapted from Cramp and Palmer

† = From Cramp. * = From Palmer. All measurements in millimeters.

*312-337 indicates that this is the range in mm of all specimens of ♀ *diomedea* reported by Palmer. n - 9 is the number of specimens where the mean is unknown. m358-11 indicates a mean of 358mm for 11 specimens.

Fall Raptor Migration Summary 1996

By Frank Hohenleitner

Thirteen watches reported for fall 1996. Observers logged a total of 71,634 birds during 5639 hours of coverage. If there was any theme this fall, it was this: migration occurred sooner rather than later. As for numbers, Laurie Goodrich of Hawk Mountain summed it up this way: "Fewer hawks among many species, except for both Eagles, Red-shoulders, Peregrine Falcons and Merlins."

Five years ago Tom Laura, a compiler for the Hawk Migration Association of North America (Northern Appalachian region), wrote about a disappointing fall migration, and blamed it on the warm weather and a lack of cold fronts. Laura wrote "For most of the sites, the weather, and therefore, the hawks, weren't with us. A simple equation would be: No Fronts=No Hawks. Then again, things are never that simple." How true! The fall of 1996 was a season of cold weather and many cold fronts. However, the migration was no better than in 1991. Maybe worse!

An analysis of the data is in order. I have chosen to use reports from four sites that were operating in 1991, 1995, and 1996: Waggoner's Gap, Second Mt, Hawk Mt and Militia Hill. Each of these sites had reasonably complete seasonal coverage — a quality which is useful for this kind of evaluation. The 1995 data are included for comparison

with a recent high count year. Front count is from 9/1-11/31. The counts for each species are the total from the four sites. The criteria for the groups are as follows: Broadwings are a unique group and are listed as a singular lead entry. The second group was noted above by Goodrich as doing well this year. The third group are the hawks that remain, except for the Goshawks and Rough-legged Hawks, omitted because both are inherently erratic migrants. Their annual totals are dependent largely on the availability of food sources in either the northern forests or the sub-arctic.

The drop in Broad-wings in Pa. was a major concern in 1991 and 1996. Laura noted that while ground observers in northern N.J. were counting no Broad-wings, a glider pilot in the same area was observing "a constant stream of Broad-wings" at about 8000 feet. One could postulate that maybe some years (or some days) the hawks fly too high for ground observers. This year there were early reports via the Internet indicating that there were 30,000 Broad-wings in Connecticut. Where did they go?

Since 1994 the Broad-wing SEPT project has been set up in the southeastern corner of Pa. to evaluate the possibility that Broad-wings regularly use thermals south of the ridges. Almost 20,000 Broad-wings were counted during seven

days of last September on this count. In each of these past 3 years the Militia Hill site had the highest Broad-wing count reported in *Pa. Birds*. This is a very comprehensive count at a non-ridge site that is fairly close to the Broad-wing SEPT region. Altogether, these observations support the hypothesis that Broad-wings regularly migrate off-ridge in massive numbers.

According to the above table, hawks most clearly affected by a *lack of fronts* are the first three species in the second group, especially the Red-shouldered Hawk. In 1991, the third group of hawks — save the Red-tail and Harrier — did rather well despite a lack of fronts. However, the year of the most cold fronts (1996) produced a decrease in Red-tails and Harriers, along with Sharp-shins and Kestrels.

The effect of fronts on the seasonal movement of hawks is not impressive. Without doubt, fronts **concentrate** hawks, but the limited analysis above suggests that irrespective of the weather most hawks migrate through in similar numbers sooner or later. However, Tom Laura's words are haunting: "Then again, things are never that simple." It would be folly to assume that the number of cold fronts was the only variable to change among these years.

Two distinct "down" hawks in 1996 (Kestrel and Harrier) share the need to hunt in open areas such as fields or marshes. Flooding is a known threat to ground-nesting Harriers, and 1996 was the all-time wettest year on record for northeastern United States. The Harrier is unusual in another way. The male Harrier is often a bigamist and sometimes a polygamist (maximum = 7:1). This has a demonstrated negative effect on nesting success and rates of nest desertion by females (Bildstein 1988). With regard to the Kestrel and the Red-tail, Goodrich noted that the long cold spring was hard on

	"No fronts" 1991	11 fronts 1995	13 fronts 1996
Broad-winged Hawk	18,727	35,258	13,393
Red-shouldered Hawk	636	1076	1061
Golden Eagle	203	321	289
Bald Eagle	185	244	233
Merlin	208	260	235
Peregrine	186	131	112
Sharp-shinned Hawk	16,365	15,113	12,631
Cooper's Hawk	1435	1638	1458
Red-tailed Hawk	8480	12,302	8705
Osprey	1462	1374	1628
American Kestrel	1559	1451	896
Northern Harrier	583	782	388
Total	50,029	69,950	41,029

these birds during migration and breeding. In sum, this year the counts may be low for these three species, and possibly others, because there were literally fewer of these hawks.

Chronology of the Season

From 26 **July** to 14 **August**, 3 Merlins, 15 Kestrels, and 6 Bald Eagles were counted at Hawk Mt. All of the eagles came through a day after a strong cold front (8/10). Afterwards, the flight picked up little momentum until the last few days of August.

In **September** Tropical Storm Fran moved through western Pa. on the 7th, providing rain to most of the state for several days. This was immediately followed by a cold front on the 10th, which had little impact on the flight. While Hurricane Hortense moved offshore, most of eastern Pa. endured cloudy weather with a major movement of Broad-wings on the 14th and 15th. A lull during a period of cloudy weather followed, ending with the remnants of Pacific hurricane Fausto on the 17th. There was a major movement of Broad-wings, Ospreys, Bald Eagles, Cooper's Hawks, and Kestrels on the 18th which continued through to the 21st at many locations. A late-night cold front came through 9/28, increasing the flow of a broad spectrum of migrants for the remainder of the month.

Dry, cold air created a major movement of Sharp-shins at many locations on the first day of **October**. The strongest cold front of the season to date crossed early on 10/3. This was followed by a modest flow of the usual hawks of this time of year. In the eastern part of the state strong gusty winds due to the remnants of Tropical Storm Josephine off the coast brought an increase in Sharpies and the smaller falcons at Militia Hill on 10/8. A cold front passed on 10/9, producing a major increase in most species of hawks for several days. The 14th was the seasonal peak day for many species

along the ridges. The next big wave came four days after a strong overnight cold front on the 20th producing a major flow of the smaller accipiters, Harriers, Kestrels, and Red-tails. The delay resulted from the rainy weather associated with a slow moving low pressure area here and later in New England. Several successive cold fronts came through late in the month, setting up a major movement of Golden Eagles, Red-shoulders, and Red-tails which lasted into early **November**.

A protracted flow of Canadian air persisted through most of November. On 11/12 a dramatic southward plunge of the jet stream made it feel more like January. The flow of Red-tails was notable for several days. A period of moderate hawk movement set in until a strong cold front passed on 11/19, creating a good flow of Red-tails and both eagles for several more days.

The best hawk watching in **December** came on or about cold blustery days after a storm went through: 12/2, 12/9, and 12/20. Most of the birds passed during the first 9 days of the month. The major raptors were, in order of frequency: Red-tails, Red-shoulders, and Golden Eagles.

Abbreviated seasonal highlights follow. Quotes are site compiler's statements.

Allegheny Front - There was no count this past fall. Once again, a new location has been found near Central City. The lookout is now on land owned by the Allegheny Plateau Audubon Society. Anyone who wishes to visit the new site (spring or fall) should call Thomas Dick at 814 754 5727. He will send information on the watch.

Bald Eagle Mt - Hours covered were 71% over 1995 (first year) and this alone probably counted for most of the 85% increase over the 1995 total. The Golden Eagle count was only 1 above the 1995 total, whereas the Osprey total of 91 was the inverse of last years 19. Most hawks did show

substantial gains — even the Harrier and the Kestrel. Highlights include 54 Osprey on 9/18 and 24 Golden Eagles on 10/28.

Council Cup - High numbers of Ospreys, Bald Eagles, Sharp-shins, Broad-wings, and Red-tailed Hawks. There were slight declines in the Harrier, Kestrel, and Peregrine Falcon. The higher numbers are due in part to the increase in days and hours at this site.

Hawk Mountain - "The lowest hawk count since 1959, and the lowest Broad-wing count ever recorded at Hawk Mountain." Ospreys were 21% more than last year but still less than average. Second highest one-day counts for Osprey (158) and Merlin (19). Eight Goshawks moved through 11/2-3. Goshawk and the Rough-legged Hawk were both down substantially. Unusually early Merlin appearances (1 on 7/26).

Jacks Mountain - All hawks down from last year. Probably a reduction in 165 hours contributed to a decline in all species except the Bald Eagle, which actually increased by 1. Rarities: an unusually early Rough-legged Hawk in September and a Swainson's Hawk (no details — Eds.) in November.

Little Gap - "A record 133 Osprey passed the lookout on 9/18. Compare that to 121 Osprey for the **season** in 1995. On 9/18 and 9/19, 16 Bald Eagles were counted. The Red-tailed Hawk total was below average and there was a significant decline in N. Harrier from the 5-year average."

Militia Hill - Record breaking totals: Bald Eagles and Ospreys in September; Cooper's Hawks and Golden Eagles in October. Seasonal total is slightly less than average. Record breaking single-day count for Red-shouldered Hawks (25) was on 11/2. Migrant Turkey Vultures were identified by either high altitude flight or by group movement. A wing-tagged Turkey Vulture (from Belvidere, NJ) was seen on 10/31.

Rocky Ridge - New site records for seasonal totals for Sharp-shinned and Rough-legged Hawks. Unusually good flights this year on south winds at the southern lookout, which now also has an observation platform. Ospreys and Sharpies up while most other species down. This was Jerry Dyer's 11th and last year as compiler.

Second Mountain - Seasonal site record for Bald Eagles (37), and the highest count for one day (8) on 9/19. There was approximately a 2:1 ratio for adult golden eagles over immatures, whereas the reverse was noted for the Bald Eagle. The Harrier and the Kestrel were sharply down from any of the last 10 years. Ravens (42) migrating from late August to late November often appeared after cold fronts. The most spectacular event of the season occurred on 9/26 when a Sharp-shinned Hawk was caught by a Peregrine Falcon before 4 astonished observers.

Stone Mountain - Below average flights of Red-tails and Sharp-shins. Seasonal records were set for Osprey, both eagles, all three falcons and N. Goshawk. During 40 hrs from 10/28 - 11/2 the Golden Eagle count was 62. A Swainson's Hawk on 9/14.

Tuscarora Summit - Over twice as many Golden and Bald eagles as last year. N. Harrier and Sharp-shinned Hawks down substantially. Red-shoulder numbers continue to increase steadily.

Waggoners Gap - An increase in days and hrs. Seasonal record highs for Turkey Vultures, Red-shouldered Hawks, and Golden Eagles. Golden Eagle total was almost double that of Hawk Mt., whereas for the past 3 years Bald Eagle counts have clustered in the 57-59 range. Highest Rough-legged count for the season among all Pa. sites. Harriers, Goshawks and Peregrine Falcons decreased significantly, but Kestrels were slightly above '95 count. Second site record for the Ferruginous Hawk (11/23) (no details — Eds.).

WHP Tower - Counts were low for many hawks due to predominant staffing on weekends. Bald Eagles were almost double last year, but Golden Eagles were less than half. Harriers, Broad-wings, and Kestrels were down substantially. Tagged Turkey Vultures from NJ were seen on 9/21 and 10/13. First Rough-legged Hawk in the 90s.

Once again I thank all the compilers, Thomas Dick, Gerald Lahr, and all the many dedicated and talented hawk watch participants, who helped capture the gifts of this unique season. ♣

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910 Larchmont Ave.
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BALD EAGLE MT (CENTRE)
Dave Brandes, Compiler

	Aug	Sep	Oct	Nov	Dec	Totals
<i>Coverage - days</i>	-	12	16	10	-	38
<i>Coverage - hours</i>	-	36	69	27	-	132
Black Vulture	-	-	1	-	-	1
Turkey Vulture	-	15	120	24	-	159
Osprey	-	87	4	-	-	91
Bald Eagle	-	5	1	1	-	7
N. Harrier	-	8	25	3	-	36
Sharp-shinned Hawk	-	63	499	13	-	575
Cooper's Hawk	-	2	29	4	-	35
N. Goshawk	-	-	4	2	-	6
Red-shouldered Hawk	-	-	13	7	-	20
Broad-winged Hawk	-	675	-	-	-	675
Red-tailed Hawk	-	23	586	149	-	758
Golden Eagle	-	-	34	29	-	63
Am. Kestrel	-	9	48	-	-	57
Merlin	-	-	3	-	-	3
Peregrine Falcon	-	-	3	-	-	3
Unidentified	-	3	18	3	-	24
Totals	-	890	1388	235	-	2513

This site is located on private property on Bald Eagle Mountain near State College. Separate lookouts are used on W/NW and S/SE winds. Almost all coverage by compiler.

COUNCIL CUP (LUZERNE)

Alan Gregory, Compiler

JACKS MOUNTAIN (MIFFLIN)

Ronald Singer, Compiler

	Aug	Sep	Oct	Nov	Dec	Totals
<i>Coverage - days</i>	8	19	22	14	1	64
<i>Coverage - hours</i>	15	88	91	69	1	264
Black Vulture	-	3	-	-	-	3
Turkey Vulture	-	31	226	53	-	310
Osprey	3	124	40	4	-	171
Bald Eagle	1	37	4	-	-	42
N. Harrier	2	1	4	9	-	16
Sharp-shinned Hawk	2	157	205	30	-	394
Cooper's Hawk	2	10	17	17	-	46
N. Goshawk	-	1	1	2	-	4
Red-shouldered Hawk	-	-	4	7	-	11
Broad-winged Hawk	9	2825	1	-	-	2835
Red-tailed Hawk	2	50	531	864	-	1447
Golden Eagle	-	-	3	5	-	8
Am. Kestrel	3	31	11	1	-	46
Merlin	-	2	1	-	-	3
Peregrine Falcon	-	2	2	-	-	4
Unidentified	3	11	8	2	-	24
<i>Totals</i>	27	3285	1057	994	-	5363

	Aug	Sep	Oct	Nov	Dec	Totals
<i>Coverage - days</i>	4	15	16	5	-	40
<i>Coverage - hours</i>	23	82	74	18	-	197
Black Vulture	-	13	41	8	-	62
Turkey Vulture	-	-	46	33	-	79
Osprey	5	40	6	-	-	51
Bald Eagle	9	3	2	-	-	14
N. Harrier	7	6	14	-	-	27
Sharp-shinned Hawk	-	70	273	7	-	350
Cooper's Hawk	1	3	28	-	-	32
N. Goshawk	-	-	6	2	-	8
Red-shouldered Hawk	-	1	5	-	-	6
Broad-winged Hawk	5	1169	-	-	-	1174
Swainson's Hawk	-	-	-	1	-	1
Red-tailed Hawk	3	47	327	76	-	453
Rough-legged Hawk	-	1	1	-	-	2
Golden Eagle	-	-	11	2	-	13
Am. Kestrel	1	22	27	1	-	51
Merlin	-	1	-	-	-	1
Peregrine Falcon	-	-	1	-	-	1
Unidentified	1	1	-	-	-	2
<i>Totals</i>	32	1377	788	130	-	2327

HAWK MT. SANCTUARY (BERKS)

Laurie Goodrich and HMS Staff

LITTLE GAP BIRD OBSERVATORY (NORTHAMPTON)

Michael Schall, Compiler

	Jul/ Aug	Sep	Oct	Dec/ Nov	Jan	Totals
<i>Coverage - days</i>	20	29	28	30	13	120
<i>Coverage - hours</i>	165	267	277	240	73	1,022
Black Vulture	4	1	28	15	2	50
Turkey Vulture	-	-	181	19	-	200
Osprey	48	464	54	2	-	568
Bald Eagle	26	49	11	13	4	103
N. Harrier	13	35	52	28	2	130
Sharp-shinned Hawk	57	1076	3140	197	-	4470
Cooper's Hawk	14	83	395	43	1	536
N. Goshawk	-	1	11	28	2	42
Red-shouldered Hawk	-	7	122	172	9	310
Broad-winged Hawk	225	1570	14	-	-	1809
Red-tailed Hawk	28	105	1507	998	90	2728
Rough-legged Hawk	-	-	-	2	1	3
Golden Eagle	-	6	43	30	6	85
Am. Kestrel	56	164	146	1	-	367
Merlin	3	30	92	2	-	127
Peregrine Falcon	2	12	23	2	-	39
Unidentified	11	44	121	16	2	194
<i>Totals</i>	487	3647	5940	1568	119	11761

	Aug	Sep	Oct	Nov	Dec	Totals
<i>Coverage days</i>	6	19	14	14	3	56
<i>Coverage hours</i>	29	143	96	77	15	360
Black Vulture	4	7	6	6	1	24
Turkey Vulture	-	-	27	9	-	36
Osprey	7	358	10	-	-	375
Bald Eagle	1	27	3	4	1	36
N. Harrier	4	10	9	6	-	29
Sharp-shinned Hawk	16	427	1100	39	-	1582
Cooper's Hawk	1	28	55	-	-	84
N. Goshawk	-	1	1	7	-	9
Red-shouldered Hawk	-	1	39	28	-	68
Broad-winged Hawk	22	1579	-	-	-	1601
Red-tailed Hawk	7	46	237	513	4	807
Rough-legged Hawk	-	-	-	1	-	1
Golden Eagle	-	2	10	6	-	18
Am. Kestrel	4	88	33	-	-	125
Merlin	-	7	11	-	-	18
Peregrine Falcon	-	1	4	1	-	6
Unidentified	-	10	5	4	-	19
<i>Totals</i>	66	2592	1550	624	6	4838

MILITIA HILL (MONTGOMERY)
Marylea Klauder, Compiler

	Aug	Sep	Oct	Nov	Dec	Totals
<i>Coverage - days</i>	-	30	31	30	-	91
<i>Coverage - hours</i>	-	226	233	154	-	613
Black Vulture	-	-	9	27	-	36
Turkey Vulture	-	-	244	77	-	321
Osprey	-	218	28	2	-	248
Bald Eagle	-	29	6	1	-	36
N. Harrier	-	15	22	12	-	49
Sharp-shinned Hawk	-	286	493	71	-	850
Cooper's Hawk	-	37	86	11	-	134
N. Goshawk	-	-	-	2	-	2
Red-shouldered Hawk	-	-	44	53	-	97
Broad-winged Hawk	-	7389	6	-	-	7395
Red-tailed Hawk	-	1	159	339	-	499
Golden Eagle	-	-	2	1	-	3
Am. Kestrel	-	116	111	0	-	227
Merlin	-	5	19	4	-	28
Peregrine Falcon	-	2	11	-	-	13
Unidentified	-	19	24	18	-	61
Totals	-	8117	1264	618	-	9999

ROUTE 183 (BERKS/SCHUYLKILL)
Bob & Anne MacClay, Compilers

	Aug	Sep	Oct	Nov	Dec	Totals
<i>Coverage - days</i>	8	21	20	16	6	71
<i>Coverage - hours</i>	35	118	101	61	21	338
Black Vulture	1	6	5	1	-	6
Turkey Vulture	6	15	15	1	-	15
Osprey	1	80	6	-	-	87
Bald Eagle	2	13	2	1	-	18
N. Harrier	1	3	7	2	-	13
Sharp-shinned Hawk	3	506	857	34	1	1401
Cooper's Hawk	5	21	80	4	-	110
N. Goshawk	-	-	1	9	2	12
Red-shouldered Hawk	-	5	23	14	2	44
Broad-winged Hawk	89	479	-	-	-	568
Red-tailed Hawk	33	83	416	268	3	803
Rough-legged Hawk	-	1	3	-	-	4
Golden Eagle	-	-	14	11	-	25
Am. Kestrel	4	35	15	-	-	54
Merlin	-	11	5	-	-	16
Peregrine Falcon	-	2	3	-	-	5
Gyrfalcon	-	-	1	-	-	1
Unidentified	3	7	12	1	-	23
Totals	142	1246	1445	344	8	3185

ROCKY RIDGE (YORK)
Jerry Dyer, Compiler

	Aug	Sep	Oct	Nov	Dec	Totals
<i>Coverage - days</i>	18	26	16	9	1	70
<i>Coverage - hours</i>	25	65	29	10	1	130
Black Vulture	-	-	48	10	-	58
Turkey Vulture	-	-	83	17	-	100
Osprey	5	54	2	-	-	61
Bald Eagle	-	9	2	-	-	11
N. Harrier	3	10	8	1	-	22
Sharp-shinned Hawk	12	239	187	5	-	443
Cooper's Hawk	2	13	8	1	-	24
Red-shouldered Hawk	-	3	7	1	-	11
Broad-winged Hawk	17	331	1	-	-	349
Red-tailed Hawk	10	13	110	70	-	203
Rough-legged Hawk	-	-	1	-	1	2
Am. Kestrel	6	21	2	-	-	29
Merlin	1	1	1	-	-	3
Peregrine Falcon	-	2	3	-	-	5
Unidentified	-	5	4	-	-	9
Totals	56	701	467	105	1	1330

SECOND MOUNTAIN (LEBANON)
Dave Schwenk, Compiler

	Aug	Sep	Oct	Nov	Dec	Totals
<i>Coverage - days</i>	21	28	28	28	8	113
<i>Coverage - hours</i>	142	230	233	177	29	811
Black Vulture	-	-	24	30	12	66
Turkey Vulture	-	-	161	67	8	236
Osprey	23	162	17	-	-	202
Bald Eagle	4	20	10	2	1	37
N. Harrier	10	27	39	11	1	88
Sharp-shinned Hawk	10	581	1596	52	1	2240
Cooper's Hawk	11	46	164	12	-	233
N. Goshawk	2	1	20	12	2	37
Red-shouldered Hawk	10	28	94	78	3	213
Broad-winged Hawk	343	1828	3	-	-	2174
Red-tailed Hawk	91	95	751	393	25	1355
Rough-legged Hawk	-	-	1	3	-	4
Golden Eagle	-	2	22	13	1	38
Am. Kestrel	22	49	21	-	-	92
Merlin	-	8	18	-	-	26
Peregrine Falcon	1	8	14	-	-	23
Unidentified	4	8	15	4	-	31
Totals	531	2863	2970	677	54	7095

STONE MOUNTAIN (HUNTINGDON)

Greg Grove, Compiler

	Aug	Sep	Oct	Nov	Dec	Totals
Coverage - days	-	18	21	17	-	56
Coverage - hours	-	106	119	91	-	316
Black Vulture	-	-	2	3	-	5
Turkey Vulture	-	-	119	40	-	159
Osprey	-	140	11	-	-	151
Bald Eagle	-	10	5	1	-	16
N. Harrier	-	11	24	15	-	50
Sharp-shinned Hawk	-	160	559	36	-	755
Cooper's Hawk	-	30	58	6	-	94
N. Goshawk	-	-	3	2	-	5
Red-shouldered Hawk	-	2	16	25	-	43
Broad-winged Hawk	-	677	1	-	-	678
Swainson's Hawk	-	1	-	-	-	1
Red-tailed Hawk	-	72	319	355	-	746
Rough-legged Hawk	-	-	1	1	-	2
Golden Eagle	-	-	54	43	-	97
Am. Kestrel	-	79	47	-	-	126
Merlin	-	7	15	-	-	22
Peregrine Falcon	-	6	13	-	-	19
Unidentified	-	11	28	9	-	48
Totals	-	1206	1275	536	-	3017

WAGGONERS GAP (CUMBERLAND)

Dave Grove, Compiler

	Aug	Sep	Oct	Nov	Dec/ Jan	Totals
Coverage - days	18	28	30	30	17	123
Coverage - hours	106	205	235	214	90	850
Black Vulture	-	-	35	24	12	71
Turkey Vulture	-	-	659	88	1	748
Osprey	33	351	22	-	-	406
Bald Eagle	4	28	13	9	3	57
N. Harrier	9	22	69	19	2	121
Sharp-shinned Hawk	60	1174	3723	113	1	5071
Cooper's Hawk	6	66	434	46	3	555
N. Goshawk	-	3	5	36	10	54
Red-shouldered Hawk	-	6	280	152	3	441
Broad-winged Hawk	115	1896	4	-	-	2015
Red-tailed Hawk	34	125	2327	1526	111	4123
Rough-legged Hawk	-	-	2	6	3	11
Ferruginous Hawk*	-	-	-	1	-	1
Golden Eagle	1	-	105	51	6	163
Am. Kestrel	39	78	93	-	-	210
Merlin	-	5	34	-	1	40
Peregrine Falcon	-	8	21	1	-	30
Unidentified	12	37	86	26	5	166
Totals	313	3799	7912	2098	161	14284

* No Details

TUSCARORA SUMMIT (FULTON)

Carl Garner, Compiler

	Aug	Sep	Oct	Nov	Dec	Totals
Coverage - days	-	21	21	17	-	59
Coverage - hours	-	116	113	77	-	306
Black Vulture	-	13	15	5	-	33
Turkey Vulture	-	-	45	33	-	78
Osprey	-	85	12	-	-	97
Bald Eagle	-	14	-	3	-	17
N. Harrier	-	3	12	6	-	21
Sharp-shinned Hawk	-	132	593	17	-	742
Cooper's Hawk	-	2	37	-	-	39
N. Goshawk	-	-	1	1	-	2
Red-shouldered Hawk	-	2	28	10	-	40
Broad-winged Hawk	-	1563	1	-	-	1564
Red-tailed Hawk	-	23	378	201	-	602
Rough-legged Hawk	-	-	-	1	-	1
Golden Eagle	-	1	17	17	-	35
Am. Kestrel	-	12	13	-	-	25
Merlin	-	1	4	2	-	7
Peregrine Falcon	-	1	2	1	-	4
Unidentified	-	7	28	10	-	45
Totals	-	1859	1186	307	-	3352

WHP TOWER (DAUPHIN)

Mark McConaughy, Compiler

	Aug	Sep	Oct	Nov	Dec	Totals
Coverage - days	9	18	19	13	-	59
Coverage - hours	38	102	91	69	-	300
Black Vulture	-	11	28	22	-	61
Turkey Vulture	-	3	187	37	-	227
Osprey	2	89	6	-	-	97
Bald Eagle	2	8	1	2	-	13
N. Harrier	4	10	17	6	-	37
Sharp-shinned Hawk	11	140	577	26	-	754
Cooper's Hawk	2	12	54	7	-	75
N. Goshawk	-	-	-	6	-	6
Red-shouldered Hawk	-	2	27	35	-	64
Broad-winged Hawk	36	313	-	-	-	349
Red-tailed Hawk	5	28	446	351	-	830
Rough-legged Hawk	-	-	1	-	-	1
Golden Eagle	-	-	3	2	-	5
Am. Kestrel	4	16	5	-	-	25
Merlin	-	1	3	-	-	4
Peregrine Falcon	-	1	-	-	-	1
Unidentified	1	10	3	7	-	21
Totals	67	644	1358	501	-	2570

BOOK REVIEW - BIRDER'S GUIDE TO PENNSYLVANIA

By Gene Wilhelm, Ph.D.

BIRDER'S GUIDE TO PENNSYLVANIA. By Paula Ford. Gulf Publishing Co., Book Division, P.O. Box 2608, Houston, TX 77252-2608. x + 268 pp. 5 x 8. 30 pen and ink illustrations by Stan Kotala. 34 maps by Mark Hood. 4 appendices and 2 indices. 1995. \$17.95.

Paula Ford is no stranger to birders and field ornithologists of Pennsylvania. She has served as president of the Audubon Council of Pennsylvania and previously edited its newsletter, *The Drummer*. She lives in Hollidaysburg, Pennsylvania, with her family and continues to be active in the Audubon Cause.

Paula wrote this book to provide birders, especially newcomers and visitors to Pennsylvania, an inventory of places to visit. "It is not intended to be a comprehensive list of every possible location in which one might see every bird ever recorded in Pennsylvania," she states. Instead, the book is a portable attempt to answer those frequent birding questions of where to go to see specific species and when?

The author deserves much credit for putting so much detailed information in one convenient volume, from the five Rare Bird Alert telephone numbers in the Commonwealth to an Index of Birds and Locations. The problem with attempting to cover so many birding details for an entire state is *out-datedness*. The book's data are current through 1993 only. For example, there are now seven Rare Bird Alert telephone numbers across Pennsylvania.

The Introduction of the book includes segments on Pennsylvania's Habitats, Nomenclature, Abundance, Birding Safely, and Additional Notes. In the latter section, the author admits that sites chosen for the book are not necessarily the best places to find the most birds, nor are they the only places worth birding. Instead, the major criterion emphasized sites open to the public, such as the 114 Pennsylvania State Parks, the 2 million acres managed by the Pennsylvania Bureau of Forestry, the 1 million acres owned by the Pennsylvania Game Commission, the 500,000 acres contained in the Allegheny National Forest, the Erie and John Heinz National Wildlife Refuges or the many county and municipal parks. In several

cases, sites were excluded because questionnaires were not returned to the author.

The bulk of the book is devoted to the seven physiographic regions of Pennsylvania: Ch. 1: Lake Erie Coastal Plain, Ch. 2: Glaciated Northwest, Ch. 3: Allegheny Plateau, Ch. 4: Pittsburgh Plateau, Ch. 5: Ridge and Valley Province, Ch. 6: Piedmont, and Ch. 7: Atlantic Coastal Plain (pp. 11-227). Each region includes an overview of its physiographic characteristics, such as location, relief, landforms, climate, natural vegetation and birdlife. The latter category lists abundant avian species for each season, including confirmed and probable nesting species gleaned from *Atlas of Breeding Birds in Pennsylvania*. State parks, game lands and preserves are sites emphasized in each region.

Overall, the 30 pen and ink illustrations by Stan Kotala add artistic authenticity to the book. Most drawings are good to excellent, especially the American Kestrel, p. 12, Hooded Merganser, p. 35, Yellow-bellied Sapsucker, p. 92, and Northern Goshawk, p. 158. The same cannot be said, however, about the 34 maps drawn by Mark Hood. None of the maps illustrates the three basic ingredients of sound cartographic art: direction, scale, and legend. Admittedly, the author does state in her Introduction (p. 9) that the maps are simply intended to give a general overview of the areas being discussed and that readers should obtain current maps and information from any state park or other agency. Addresses and telephone numbers are conveniently listed for each birding site.

Especially useful to birders, novices and professionals alike, are the four appendices (pp. 228-254). Appendix 1 is *A checklist of Pennsylvania Birds* based on the official 418 species recorded and approved by the Pennsylvania Ornithological Records Committee (PORC), published in *Pennsylvania Birds* and commented in Steven J. Santner et al., *Annotated List of the Birds in Pennsylvania* (1992). Appendix 2 lists Pennsylvania Bird Organizations statewide. Appendix 3 is a partial list of Scientific Bird Collections in Pennsylvania. For some unknown reason, the two greatest bird collections in the state are unlisted: the Carnegie Museum of Natural History in Pittsburgh and The

Academy of Natural Sciences in Philadelphia. The book does mention bird exhibits for each museum, however, in the text (p. 98 and p. 222 respectively). Appendix 4 is a two-page list of Selected References.

Perhaps it is too much to expect such a lengthy manuscript containing so much valuable birding information to be free of typographical and grammatical errors. I suspect that in this particular case the book lacked a thorough editorial review at the publisher's before being printed. A few among several glaring mistakes may emphasize the point. For example, Red-breasted Duck (p. 13) presumably was intended to read Red-breasted Merganser. The New Castle map (p. 36) shows Jennings State Park instead of Moraine State Park. Certain names of birds were not scrutinized in the text, such as the capitalization of Black-Capped Chickadee (pp. 23 and 47) and the improper use of Northern Raven (p. 81) instead of Common Raven. Finally the author and editor share a minor grammatical problem with subject-predicate agreement in various parts of the text. Perhaps in this period of expressing "free writing," all that was necessary was editorial consistency.

Nevertheless, these criticisms are minor when comparing the voluminous information contained in *Birder's Guide to Pennsylvania*. The book adequately describes nearly 200 parks, refuges, and other hot spots for resident, migratory, and rare avian species within seven detailed physiographical regions of the state with explicit driving directions, making the book the most comprehensive guide to birding sites in the Commonwealth.

The book is only one of several state volumes in the "Birder's Guide Series" of the Gulf Publishing Company, including Alabama and Mississippi, Northern California, Texas, and Washington.

Pennsylvania birders of all levels of expertise should keep a copy of this indispensable guide in the glove compartment of their vehicle as they travel through the regions of Pennsylvania. ♣

147 Cemetery Road
Slippery Rock, PA 16057

PENNSYLVANIA SOCIETY FOR ORNITHOLOGY

8th Annual Meeting 16-18 May, 1996 Penn State - Mont Alto

Cosponsored by the Conococheague Audubon Society

FRIDAY, May 16, 1997

5:00 p.m.	--	9:00 p.m.	Registration
7:00 p.m.	--	8:00 p.m.	Social
8:00 p.m.	--	8:45 p.m.	PSO Business Meeting
8:45 p.m.	--	10:00 p.m.	Field Trip Overview

SATURDAY, May 17, 1997

6:30 a.m.	--	11:00 a.m.	Field Trips (*see below)
11:30 a.m.	--	12:30 p.m.	Lunch
1:00 p.m.	--	5:00 p.m.	Programs (exact schedule will be sent with registration confirmation) Forest Bird Research - Greg Keller NAMC - Jim Stasz Saw-whet-owls - David Brinker SAP Update - Douglas Gross Shorebird Identification - Rick Mellon
6:00 p.m.	--	7:00 p.m.	Social
7:00 p.m.	--	9:30 p.m.	Banquet Speaker - Rick Blom

SUNDAY, May 18, 1997

6:30 a.m.	--	11:30 p.m.	Field Trips (*see below)
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*Field Trips will include the following locations:

Cove Gap
South Mountain and Birch Run Dam
Renfrew Park
Strawberry Ridge
South Mountain to Blue Ridge Summit to Happles Meadow
Michaux State Forest

******* REGISTRATION FORM INSIDE BACK MAILING COVER *******

PHOTOGRAPHIC HIGHLIGHTS



Small race of Canada Goose, Pymatuning, *Crawford*, 12/21/96. Photo by Tony Marich Jr.



Trumpeter Swan, Bald Eagle S.P., *Centre*, 11/2/96. Photo by Tony Marich Jr.



Barnacle Goose, Green Lane Reservoir, *Montgomery*, 11/26/96. Photo by Jason Horn.



Greater White-fronted Goose, Pymatuning, *Crawford*, 11/4/96. Photo by Walt Shaffer.



Purple Sandpiper, Presque Isle S.P., *Erie*, 12/2/96.
Photo by Frank Haas.



American Bittern, Malvern, *Chester*, 10/19/96.
Photo by Tony Fernandes.



Glossy Ibis, Pymatuning, *Crawford*, 10/28/96.
Photo by Walt Shaffer.



White Ibis, Avis, *Clinton*, 10/21/96.
Photo by Herbert Walker.



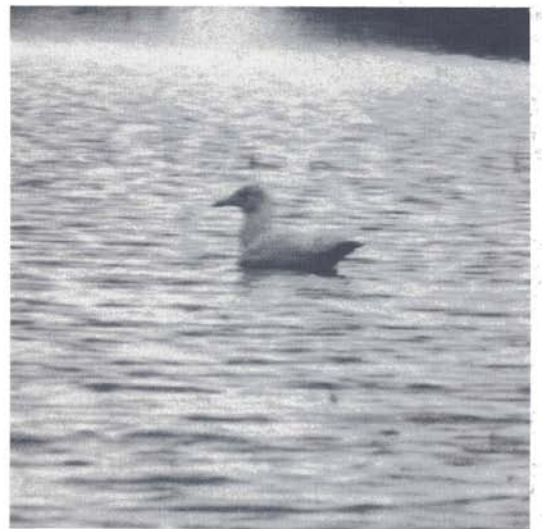
Pomarine Jaeger, Presque Isle S.P., *Erie*, 12/5/96.
Photo by Jerry McWilliams.



Pomarine Jaeger with Ring-billed Gull, Presque Isle S.P., *Erie*, 12/5/96. Photo by Jerry McWilliams.



Pomarine Jaeger, Presque Isle S.P., *Erie*, 12/5/96.
Photo by Jerry McWilliams.



Iceland Gull, South Avis, *Clinton*, 12/4/96.
Photo by Paul Schwalbe.



Snowy Owl, Temple, *Berks*, 12/2/96.
Photo by Rick Wiltraut.



Nelson's Sharp-tailed Sparrow, Minsi Lake, *Northampton*,
11/12/96. Photo by Rick Wiltraut.



Black-throated Gray Warbler, Bern Twp., *Berks*,
1/19/97. Photo by Bill Uhrich.

Summary of the Season - October through December 1996

If you were all over the state and chose your dates well, this quarter would have been very productive. Most families of birds were well represented. Water birds, long-legged waders, hawks, shorebirds, gulls, owls, hummingbirds, vireos, warblers, and finches (although certainly not a winter finch year). It is interesting to note that when reading the individual county reports it does not appear that much was happening, but when put together on a state-wide basis, there was a lot going on. That's the beauty of *Pennsylvania Birds*.

Weather fronts have a particularly significant impact on the number of waterfowl sightings for the Commonwealth. **Loons** are one group that can have major fallouts in bad weather, as both the *Armstrong* and *Indiana* accounts indicate. The **American White Pelicans** in *Montour* lingered into this quarter.

Long-legged waders produced some interesting records this period. Both **Glossy** and **White ibises** were found in *Clinton*. A **Plegadis sp.** was seen in *Erie*. **Cattle Egrets** have not been seen in good numbers for many years, but can appear in the strangest places. This quarter singles were found in *Fayette* and *Montour*. Not to be outdone, an **American Bittern** landed in a residential neighborhood right in front of a house in *Chester* (see photographic highlights). But the record-setting sighting was a **Yellow-crowned Night-Heron** on the CBC in *Dauphin*!

Trumpeter Swans were in *Centre* and *Lancaster*. These have become annual in the state during the last few years and will probably increase as the introduced populations in the Mid-west and Canada get established. Once those populations have been established for ten years, they may be considered "wild" and "countable." Stay tuned.

There were numerous **Brant** reports. Twelve counties reported them this fall, compared with four in 95, none in 94, ten in 93, and 11 in 92. Brant sightings in Pennsylvania are usually weather related. See the article on page 231 for one such occurrence. Although **Greater White-fronted**, **Ross'**, and **Barnacle geese**

may be annual visitors in spring, fall records are few. This fall, the only **Greater White-fronted** report was from *Crawford*, the only **Ross'** was from *Crawford*, and the only **Barnacle** was from *Montgomery*. Other waterfowl of note were the **Cinnamon Teal** in *Butler*, **Eurasian Wigeon** in *Allegheny* (1st county record) and *Lancaster* (8th consecutive year), and a sad report of a shot **Barrow's Goldeneye** in *Bucks*.

Three King Rails in *Philadelphia* was an amazing record. It is unusual these days to get a report of even one! And, we can happily relate that the family(s) of **Sandhill Cranes** continue to be monitored in *Butler* and *Lawrence*.

Shorebirds, showing good diversity, were unexceptional except for **two Purple Sandpipers** that were at *Erie* for **five** days. Although they were only seen on two of those days (the first and the last), it is presumed they were the same birds. A suggestion for anyone looking for this bird in Pa., go to Presque Isle one or two days after a cold front in November or December. Both **Parasitic** and **Pomarine jaegers** put in appearances at *Erie* and a **Black-legged Kittiwake** was notable in *Lancaster*. At least five counties reported **Snowy Owls**, making it a moderate invasion.

Rufous Hummingbird, practically unknown in the state twenty years ago, is now a regular, expected species. Three counties reported **Rufous** or **Selasphorous sp.** this fall, and who knows how many more visited feeders of non-birders. But, and this is a big but, other genus should be watched for, especially at feeders. Considering that a **Green Violet-ear** showed up in Michigan this past year, any hummingbird that is reported as unusual by *anyone* should be carefully investigated. If you are unsure as to its identity, call us or your county compiler or any one else that might be able to take the time to determine its identity.

The rarest bird (for Pennsylvania) of the season was the **Black-throated Gray Warbler** in *Berks*. There are only a dozen or so records for the state, and none recently. The bird was at the feeder of a novice birder, and there

apparently was some poor communication, some slob birders, and some mis-information that led to some wild and bizarre stories during its stay. We hope to have all the gory details sorted out by the next issue and will report on it.

The highly erratic (in occurrence) **Dickcissel** showed up in *Bucks* and *Delaware*, and we got a belated report of a **Painted Bunting** from *Allegheny* for 1995. **Nelson's Sharp-tailed Sparrows** were sighted in *Crawford*, *Lancaster*, and *Northampton* (1st county record). A **Harris' Sparrow** was seen for only one day in *Mercer*.

Winter finches were practically non-existent with only two reports of **Red** and **White-winged crossbills** each, and only one report of **Common Redpoll**.

There were 268 species reported this quarter, up from the 264 reported in the same quarter last year. We received partial or complete reports from 58 counties.

There were 328 species reported this year, up from the 319 reported last year.

Thanks again to our hardworking county compilers! ♣

Frank & Barb Haas

Birds of Note - October through December 1996

(Species not expected or reported in five or fewer 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 - *Erie*: 1 on 11/2-24 at Presque Isle S.P. (Jerry McWilliams).

American White Pelican - *Montour*: the 3 birds from the previous quarter stayed until 10/2.

Great Cormorant - *Bucks*: 1 on 12/18 at Nockamixon S.P. (Jason Horn) and 1 on 12/21 on the So. Bucks CBC; *Delaware*: present from 12/3 on with 4 on 12/21 at the Delaware River (Nick Pulcinella); *Lancaster*: 1 on 10/8 on the Conowingo Pond (Bob Schutsky); *Philadelphia*: present from 10/31 to 12/12 on the Delaware River (Ed Fingerhood).

American Bittern - *Chester*: 1 on 10/19 at Malvern (Tony Fernandes); *Lancaster*: 1 on 10/6 and 10/27 at Washington Boro (Bob Schutsky); *Montgomery*: 1 on 10/24 (Kevin Crilley) and 11/2 (George Franchois) at Green Lane Res.

Snowy Egret - *Delaware*: 4 on 10/8 at Darby Creek (Nick Pulcinella); *Lancaster*: 1 on 10/7 at Washington Boro (Bob Schutsky); *York*: 1 on 10/23 at Brunner's Island was late (Al Spiese).

Little Blue Heron - *York*: 1 on 10/7 and 2 on 10/9 at Brunner's Island (Al Spiese).

Cattle Egret - *Fayette*: 1 on 10/20 at Jacob's Creek Dam was a probable 1st county record (Randi & Sara Gerrish); *Montour*: 1 on 11/18 at Limestone Twp. (Chris Smull).

Yellow-crowned Night-Heron - *Cumberland*: 1 on 12/21 on the Harrisburg CBC was extremely late. Previous late record for the state was 10/19 in 1959 at Tincum (*Philadelphia*).

White Ibis - *Clinton*: 1 imm. on 10/21-23 at South Avis was a 1st county record (Herbert Walker).

Glossy Ibis - *Crawford*: 1 on 11/3-11 at Pymatuning (Tony Marich Jr., Mike Fialkovich).

Plegadis sp. - *Erie*: 1 on 10/6 at Presque Isle S.P. could not be identified as to Glossy or White-faced (Jerry McWilliams, Geoff Robinson).

Trumpeter Swan - *Centre*: 1 on 11/2 at Bald Eagle S.P. (Tony Marich Jr.); *Lancaster*: 1 on 12/12 at Octoraro L. (Bob Schutsky).

Greater White-fronted Goose - *Crawford*: 1 on 11/9 at Pymatuning (John Fedak).

Ross' Goose - *Crawford*: 1 on 11/14 at Pymatuning (Chuck Tague).

Barnacle Goose - *Montgomery*: present from 11/23 through Dec at Green Lane Res. (Gary Freed, Jason Horn).

Cinnamon Teal - *Butler*: 1 on 11/5 at Moraine S.P. was a 2nd county record (John Fedak).

Eurasian Wigeon - *Allegheny*: 1 on 10/22 at the Mayview Wetlands was a 1st county record (Bill Judd); *Lancaster*: present up to 12/22 at Drumore Twp. (Frank & Barb Haas).

Barrow's Goldeneye - *Bucks*: Bob Scheibner reports that one was shot by a hunting friend on the Delaware River on 12/27 on the New Jersey side of the river. He speculates that this might be the same bird that had been seen in this area the past several winters.

Swainson's Hawk - *Bucks*: 1 on 11/7 at Peace Valley Co. Park (Ruth Pfeffer); *Mifflin*: 1 in Nov at Jack's Mt. (No details).

Gyr Falcon - *Berks*: 1 white phase on 10/28 at the Rte 183 Hawk Watch (Bob & Anne MacClay, Harold Silagy).

King Rail - *Philadelphia*: 3 from 10/19 to 12/19 at Tincum (John Miller)(no details).

Virginia Rail - *Butler*: 1 on 10/25 at Glades SGL (George Reese).

Sora - *Somerset*: 1 on 10/9 at Garret Mud Flats (Lauretta Payne).

Common Moorhen - *Bucks*: 1 on 10/9 at Bradford Dam (Ian Baldoch); *Mercer*: present up to 10/4 at Pennsy Swamp (m. obs.).

Sandhill Crane - *Lawrence*: present up to 11/15 with 4 on 11/6 in the Plain Grove and Volant Strips areas (Barb & George Dean, Linda Wagner).

American Golden Plover - *Butler*: 1 on 10/23-24 at Butler Twp. (Debra Yovanovich); *Crawford*: present from 10/5-28 with a high of 8 on 10/10 at Pymatuning (Ed Kwater, Paul Rodewald); *Erie*: 1 on 10/9 at Fairview (Jerry McWilliams); *Lancaster*: present up to 10/26 at Washington Boro (Bob Schutsky); *Northampton*: 22 on 10/18 at Martin's Creek (Rick Wiltraut).

Semipalmated Plover - *Erie*: present up to 11/4 at Presque Isle S.P. (Jerry McWilliams); *Montour*: 2 on 10/2 at Montour Preserve (Chris Smull).

Solitary Sandpiper - *Dauphin*: 1 on 10/13 at Hershey north (Nancy Cladel); *Huntingdon*: present up to 10/17 at L. Raystown (Dave Kyler); *Westmoreland*: present up to 10/20 at Derry L. (Dennis Lauffer).

Ruddy Turnstone - *Erie*: 1 on 10/28 at Presque Isle S.P. (Jerry McWilliams).

Sanderling - *Erie*: present up to 11/4 at Presque Isle S.P. (Jerry McWilliams).

Semipalmated Sandpiper - *Berks*: present from 10/1-9 with a high of 4 on 10/5 at L. Ontelaunee (Ken Lebo, Matt Spence); *Delaware*: 2 on 10/1 at Tincum (Al Guarente);

Least Sandpiper - *Berks*: present from 10/1-9 with a high of 12 on 10/1 at L. Ontelaunee (Ken Lebo, Matt Spence); *Delaware*: 20 on 10/1 and 1 on 10/14 at Tincum (Al Guarente); *Franklin*: 1 on 10/12 at Reservoir Rd (Dale Gearhart).

White-rumped Sandpiper - *Delaware*: 1 on 10/1 and 2 on 10/14 at Tincum (Al Guarente); *Franklin*: 1 on 11/5-10 at Reservoir Rd (Dale Gearhart, Carl Garner).

Baird's Sandpiper - *Lancaster*: present up to 10/17 at Washington Boro (Bob Schutsky).

Purple Sandpiper - *Erie*: 2 on 11/28-12/2 at Presque Isle S.P. (Dave Darney, Frank & Barb Haas).

Stilt Sandpiper - *Delaware*: 10 on 10/1 and 1 on 10/14 at Tincum (Al Guarente).

Short-billed Dowitcher - *Delaware*: 1 on 10/1 at Tincum (Al Guarente).

Long-billed Dowitcher - *Crawford*: present from 11/3-16 with a high of 2 at Miller's Pond (Ron Leberman, Mike Fialkovich).

Red-necked Phalarope - 2 reported last quarter in *Allegheny* on 9/7 and *Northampton*: on 9/14 have been re-identified as Red Phalaropes.

Red Phalarope - (*see Red-necked above*) *Erie*: 1 on 10/19 at Presque Isle S.P. (Jerry McWilliams, Ed Kwater).

Pomarine Jaeger - *Erie*: 1 on 12/5 at Presque Isle S.P. (Jerry McWilliams).

Parasitic Jaeger - *Erie*: 1 on 10/19 at Presque Isle S.P. (Jerry McWilliams) and 1 on 11/10 (no details) at Presque Isle S.P. (Greg Cook).

Franklin's Gull - *Erie*: 1 on 10/31 at Presque Isle S.P. (Jerry McWilliams); *Lancaster*: 1 on 10/6 at Washington Boro (Bob Schutsky).

Little Gull - *Erie*: 1 on 12/8-24 at Presque Isle S.P. (Jerry McWilliams).

Iceland Gull - *Clinton*: 1 on 12/4 at South Avis was a 1st county record (Paul & Glenna Schwalbe); *Lancaster*: 1 on 12/14 at Middle Creek WMA (Tom Garner).

Lesser Black-backed Gull - *Berks*: 1 on 11/17 at L. Ontelaunee (Matt Spence) and 1 on 12/15 at Glen Morgan L. (Ken Lebo); *Bucks*: 21 on 12/21 on the So. Bucks CBC and 1 on 12/23-29 at Peace Valley Co. Park (August Mirabella); *Erie*: 1 on 10/18 at Presque Isle S.P. (Jerry McWilliams); *Lancaster*: present from 10/17 on at Washington Boro (Bob Schutsky).

Glaucous Gull - *Bucks*: 1 on 12/21 on the So. Bucks CBC.

Black-legged Kittiwake - *Lancaster*: 1 on 11/30 at Washington Boro (Eric Witmer).

Common Tern - *Franklin*: 7 on 10/8 at Reservoir Rd (Dale Gearhart); *Indiana*: 2 on 10/8 at Yellow Creek S.P. (Gloria Lamer); *Westmoreland*: 1 on 10/20 at Donegal L. (Ken Byerly).

Yellow-billed Cuckoo - *Dauphin*: present up to 10/4 at Blue Mountain (Mark McConaughy); *Westmoreland*: 1 freshly killed found on 11/5 near Powdermill was very late (Virginia Carns); *York*: 1 on 10/10 at Spring Valley Co. Park was late (Dick Kubitsky).

Snowy Owl - *Bedford*: 1 on 12/11 at Beldon (Rosie McGinnett); *Berks*: 1 in Nov at Temple (m. obs.); *Erie*: present from 11/27 on at Presque Isle S.P. (Frank & Barb Haas); *Lancaster*: 1 rescued from inside a building in Lancaster on 12/9 was later released (Bob Schutsky); *Northampton*: 1 found starving on 11/18 at Martin's Creek later died at the rehabilitator's (Steve Boyce, Rick Wiltraut).

Whip-poor-will - *Westmoreland*: present up to 10/4 at Boyce Park (Dennis Lauffer).

Rufous Hummingbird - *Allegheny*: 1 on 11/12 at Upper St. Clair (Joyce Hoffman, Chuck Tague, Mary Jane Seipler); *Lehigh*: 1 from late Sept through Dec. in Trexlertown (Bernie Morris).

Selasphorus sp. - *Somerset*: 1 on 10/4-15 at Payne's feeders in Berlin was a 1st county record (Jeff Payne, Scott Bastian).

Least Flycatcher - *Centre*: present up to 10/2 at Bald Eagle S.P. (Paul Rodewald, Tim O'Connell); *York*: 1 on 10/9 at Gut Rd (Al Spiese).

Great Crested Flycatcher - *Lebanon*: present up to 10/5 at SGL 145 (Ann Mease); *Venango*: 1 on 10/2 at Oil Creek S.P. (Gary Edwards).

Eastern Kingbird - *Luzerne*: 1 on 11/5 at Council Cup was very late (Autumn Pfeiffer); *Potter*: present into Oct. at Hebron (Kirk Newton).

Northern Rough-winged Swallow - *Indiana*: present up to 10/22 at Yellow Creek S.P. (Margaret Higbee, et al.).

Bank Swallow - *Bucks*: present up to 10/13 at Peace Valley Co. Park (August Mirabella); *York*: present up to 10/6 at Brunner's Island (John & Jean Prescott).

Cliff Swallow - *Fulton*: 6 on 10/1 at Tuscarora Mountain (Carl Garner).

Sedge Wren - *Mercer*: 2 on 10/25 near West Middlesex apparently bred at this site this past summer (Paul Rodewald).

Blue-gray Gnatcatcher - *Huntingdon*: present up to 10/6 at Detweiler's Run (Dave Kyler); *Venango*: present up to 10/18; *Westmoreland*: present up to 10/2 at Twin Lakes Park (Dennis Smeltzer).

Loggerhead Shrike - *Adams*: only 2 seen since 10/28 (Art Kennell); *Crawford*: 1 on 10/20 at Conneaut Marsh (Ron Leberman).

White-eyed Vireo - *Dauphin*: present up to 10/17 at Hershey North (Nancy Cladel); *Delaware*: 1 on 10/1 at Ridlet Creek S.P. (Nick Pulcinella); *Westmoreland*: present up to 10/4 at Youngwood Swamp (Dennis Smeltzer).

Yellow-throated Vireo - *Berks*: present up to 10/12 at Hawk Mountain Sanc. (Matt Wlasniewski).

Philadelphia Vireo - *Westmoreland*: present up to 10/10 at Powdermill Nature Reserve (Bob Leberman, Bob Mulvihill).

Chestnut-sided Warbler - *Luzerne*: present up to 10/10 at Council Cup (Rick Koval); *Westmoreland*: 2 banded on 10/1 at Powdermill Nature Reserve (Bob Leberman, Bob Mulvihill).

Black-throated Gray Warbler - *Berks*: Although this bird appeared in Bern Twp. in late Nov or early Dec, the word did not get out to birders until January. This is the 9th record for the state. There will be more details on this sighting in the next issue.

Yellow-throated Warbler - *Greene*: 1 banded on 10/1 at the Bell farm (Ralph Bell);

Prairie Warbler - *Bucks*: present up to 10/6 at Peace Valley Co. Park (August Mirabella); *Columbia*: present up to 10/21 at Jonestown (Scott Killam).

Bay-breasted Warbler - *Lackawanna*: present up to 10/1; *Luzerne*: present up to 10/20 at Council Cup (Rick Koval); *Westmoreland*: present up to 10/5 at Powdermill NR (Bob Leberman, Bob Mulvihill); *York*: present up to 10/6 at Ski Roundtop (Jeff Pheasant).

Worm-eating Warbler - *Blair*: present up to 10/12 at Canoe Creek S.P. (Stan Kotala); *Juniata*: present up to Oct.

Ovenbird - *Blair*: present up to 10/2 at Canoe Creek S.P. (Stan Kotala).

Northern Waterthrush - *Delaware*: 1 on 10/7 at Brandywine Museum (Al Guarente); *Westmoreland*: 1 banded on 10/1 at Powdermill Nature Reserve (Bob Leberman, Bob Mulvihill).

Louisiana Waterthrush - *York*: 1 on 10/10 at Ski Round Top was late (Jeff Pheasant).

Connecticut Warbler - *Berks*: 1 on 10/13 at Hamburg (Matt Wlasniewski); *Somerset*: 1 on 10/6 at Payne's Place (Jeff Payne); *Westmoreland*: 1 banded on 10/6 at Powdermill Nature Reserve (Bob Leberman, Bob Mulvihill).

Mourning Warbler - *Columbia*: 1 on 11/9 at Jonestown (Scott Killam); *York*: 1 on 10/16 at Ski Round Top (Jeff Pheasant).

Hooded Warbler - *Lawrence*: 1 on 10/2 at New Castle area (Linda Wagner).

Wilson's Warbler - *Delaware*: 1 on 10/2 at Tyler Arboretum and 1 on 10/7 at Brandywine Museum (Al Guarente); *Franklin*: present up to 10/5 at Falling Spring Rd (Dale Gearhart).

Yellow-breasted Chat - *Delaware*: 1 on 12/21 at the Darlington Tract (Al Guarente).

Blue Grosbeak - *Delaware*: 1 on 10/7 at Brandywine Museum (Al Guarente).

Dickcissel - *Bucks*: 1 on 10/10-13 (Steve Farbotnik, Ken Reiker) and another on 11/23 (August Mirabella, et al.) at Peace Valley Co. Park; *Delaware*: 1 on 10/22 at the Philadelphia Airport (Al Guarente); *Westmoreland*: the Dickcissel reported last issue remained until 7/15, not 9/15.

Painted Bunting - *Allegheny*: a belated report from 10/7/1995 at Monroeville (observer?)

Clay-colored Sparrow - *Centre*: 1 on 10/18 at Bald Eagle S.P. (Deaune Hoffman) (no details); *Delaware*: 1 on 10/9 at Tyler Arboretum (Al Guarente); *Lebanon*: 1-2 on 10/18 at Mt. Wilson (Randy Miller).

Grasshopper Sparrow - *Allegheny*: present up to 11/9 at Imperial (Joyce Hoffman, Christopher Knoll); *Dauphin*: present up to 10/16 at Powell's Valley (Grace Randolph); *Perry*: 3 on 10/3 at Anderson Marsh (Deuane Hoffman).

Henslow's Sparrow - *Montgomery*: 1 on 10/13 at Green Lane Res. (George Franchois); *Westmoreland*: 1 banded on 10/15 at Powdermill Nature Reserve (Bob Leberman, Bob Mulvihill).

Nelson's Sharp-tailed Sparrow - *Crawford*: 1 on 10/9 east of Crossingville (Paul Rodewald); *Lancaster*: 3 on 10/6 at Washington Boro (Bob Schutsky); *Northampton*: 1 on 11/11 at Minsi L. was a 1st county record (Brian & Tiffany Hardiman).

Harris' Sparrow - *Mercer*: 1 on 10/27 at SGL 284 (Suzanne Butcher, Linda Wagner, et al.).

Bobolink - *Chester*: Present into Oct..

Yellow-headed Blackbird - *Lancaster*: 1 on 12/22 on the So. Lanc. Co. CBC.

Brewer's Blackbird - *Bucks*: 8 on 12/22 at Erie Rd. (Steve Farbotnik).

Bullock's Oriole - *Northampton*: 1 on 11/12-13 at the Koch farm (Arlene Koch).

Red Crossbill - *Elk*: 2 on 10/19 at Ridgway (Frank Hughes); *Fulton*: a flock on 11/1 at Cowans Gap S.P. (Deuane Hoffman).

White-winged Crossbill - *Centre*: 1 on 11/30 at Bald Eagle S.P. (John Fedak); *Lehigh*: 1 on 12/21 near Emmaus (Jason Horn).

Common Redpoll - *Cambria*: 20 on 12/14 at Wilmore Dam (John Salvetti). ♀

PORC Members Sought

The Pennsylvania Ornithological Records Committee (PORC) has two positions up for election this spring. If you are interested and would like to apply for consideration for one of these positions, please send a resumé to:

Doug Gross, Chairman
Ornithological Technical Committee
Susquehanna SES Biological Lab
RR 1 Box 1795
Berwick, PA 18603

The resumé should highlight your ornithological experience, especially with emphasis on identification skills, breadth of birding experience, and willingness to devote the necessary time and energy required.

Positions are filled by a vote of the Ornithological Technical Committee of the Pennsylvania Biological Survey at their semi-annual spring meeting in May. PORC members serve terms of three years with no limits on number of consecutive terms. The purpose of the PORC is to maintain the Official List of Pennsylvania's Birds by 1) reviewing documentation of rarities on an ongoing basis and 2) reviewing the occurrence status of all birds in the state every five years. The committee does most of its work by mail and meets once a year to discuss problem records, acceptance issues, new species (lumps and splits), criteria, etc. The meeting is usually held in late June or early July. Its findings are published in *Pennsylvania Birds*.

Thick skin required. Members can expect to incur the wrath and anger from several birders each year when the non-acceptance of records is taken as a personal insult rather than as a judgement of the documentation.

FCH

Local Notes

Adams County

The status of the **Loggerhead Shrike** is that we have seen only two birds since 10/28. These two were seen within a 15-minute period, about a mile from each other.

The **Rufous Hummingbird** that was present for quite some time at the home of Deb Siefken was last seen 11/16. Deb and her husband Ralph built a shelter underneath their deck and placed feeders there trying to keep it in a reasonably warmer atmosphere. Their home is in the mountains and considerably colder there than in the lower part of the county.

The day before our CBC we drove our territory to look for any new birds other than what we usually see and we saw more **Red-headed Woodpecker** than what we had on our CBC. In the Gettysburg National Park and on other roads we saw 53, on the CBC 47.

Allegheny County

A **Golden Eagle** was a spectacular find at Imperial 10/3! It was flushed from the ground where it was feeding and flew off carrying a rabbit-sized mammal (CT). Uncommon here are **Merlin** so 3 records are noteworthy: 10/1 at Natrona Heights (PH), 11/9 at Homewood Cemetery (MF), & 12/30 at Churchill (TF,KS).

A **Eurasian Wigeon** was seen at a man-made wetland on the grounds of Mayview State Hospital s. of Pittsburgh 10/22 (BJ) which was a 1st Co. record!

A **Rufous Hummingbird** was visiting a feeder in Upper St. Clair for a few days around 11/12 (LW, fide JH,CT,MJS). Late **Eastern Phoebe** were found 12/15 at Harmar Twp (JH,DH), at Indiana Twp (RS), and in Kilbuck Twp (PT) on 12/28.

An **Orange-crowned Warbler** at South Park 10/3 (WH) & a **Nashville** at Homewood Cemetery 11/9 (MF) were rather late. A **Baltimore Oriole** was an unusual visitor to a feeder in Churchill on the late date of 11/22 (DS).

An interesting variant adult ♂ **Dark-eyed Junco** with two white wing bars visited my feeding station throughout November.

Armstrong County

The quarter was rather uneventful with the highlight being loons; 39 **Commons** were counted at Keystone Res. 11/23, the morning after a major fallout in neighboring *Indiana*. Otherwise, the waterfowl migration was uneventful. A "blue" **Snow Goose**, unusual for here, traveling with a flock of Canadas was noted often in the Elderton area 12/1-16. A lack of winter finches was noted by several observers.

Bedford County

The Jacksons report a **Brown Thrasher** at their feeder in Black Valley all quarter and still present 1/1/97.

Diane Braman, neighbor of Les Hollinger, reported on 10/3 that a **Golden Eagle** was observed to fly into her yard to snatch a squirrel off a tree. Limbs were broken and busted during the attack.

Berks County

The stellar rarity of 1996 was the ♀ **Black-throated Gray Warbler** that first appeared in late Nov. or early Dec. at a feeder in Bern Twp, though its presence did not become widely known until 1/19/97. The bird foraged in a stand of E. Red Cedars in several backyards between visits to the feeder.

(More details, including Hard Copy dirt on bad boy twitchers, forthcoming for the next quarter.)

A white **Gyr Falcon** was seen 10/28 at the Rte 183 hawk watch on the Kittatinny Ridge by veteran hawk watchers Bob and Anne MacClay and Harold Silagy.

A drenching northeaster brought 10 **Surf** and 1 **White-winged scoters**, a **Redhead**, an imm. **Laughing Gull**, and 3 late **Forster's Tern** to county lakes 10/19-20 (KG,RK,MS,MW). A large vulture roost at a limestone quarry near Oley held 42 **Black** and 250 **Turkey vultures** 11/3 (RK). A **Sandhill Crane** flew over Plowville 11/17 (HL). A flock of 30 **Bonaparte's Gull** passed North Lookout at Hawk Mt. Sanctuary (HMS) 11/12 (MM). Single **Ls. Black-backed Gull** were seen at L. Ontelaunee 11/17 (MS) and Glen Morgan L. 12/15 (KL).

An imm. **Snowy Owl** first reported 11/27 at an Agway in Temple outside Reading was found in a weakened condition in the parking lot of a nearby strip mall 12/4. It was captured by PGC personnel and taken to raptor rehabilitator Hope Anwyll in Mt. Bethel, *Northampton*, who found it to be emaciated and dehydrated. It died the next day. Whereabouts of the specimen unknown.

Besides counting raptors, the staff and volunteers at HMS try to keep track of other migrants. Some totals for fall 1996 included 1115 **Double-crested Cormorant**, 128 **Ruby-throated Hummingbird**, 3 **Red-headed Woodpecker** (very low), and 9968 **Am. Robin**. On 10/31, Laurie Goodrich and David Hallenback watched an ad. **N. Shrike** cruise by North Lookout at eye level as it flew down the ridge.

The Reading CBC had both **Black-and-white Warbler** and **Solitary Vireo** (no details). A **Nashville Warbler** at Leesport 10/26 (DK) and a **Connecticut Warbler** at Hamburg 10/13 (ML) set new late dates. (As did the CBC birds, of course.)

Red-breasted Nuthatch was very scarce and HMS saw the only 5 **Evening Grosbeak** 11/5, but **Purple Finch** were slightly more common than in most recent years, with flocks of about a dozen at several feeders in Nov., mostly gone by Christmas. Two different **Baltimore Oriole** at Leesport 10/27 and 11/1 were very late migrants (DK).

Blair County

Bill King is the new compiler. See observer section for address and telephone number.

Bradford County

All records are by Bill Reid except as noted.

A **Pied-billed Grebe** was at Tamarack Pond (TP) and 3 at Browning's Pond (BP) at Spring Hill, all 10/25. A **Swan sp.** was on Lone Mary Rd. 10/31 (TG). Five **Snow Goose** at BP (MB). 200 **Am. Black Duck** at TP 12/13. A **N. Pintail** at TP 10/25. A **N. Shoveler** at TP 10/25. Four **Gadwall** at TP 10/25 and 1 there 12/4. A **Bufflehead** at TP 11/15 and 1 there 12/4. Three **Hooded Merganser** at TP 12/4. Ninety-seven **C. Merganser** at TP 11/15. A **Ruddy Duck** at TP 10/25; 8 at BP 10/25; 2 at TP 11/15. Four **Am. Coot** at TP 10/25; 3 at TP, 11/15.

A **Ring-billed Gull** at TP 12/4. One **Herring Gull** at TP 11/15. **Hummingbird sp.** newspaper articles (*The Daily Review* from Towanda) report hummingbirds at feeders in

Sayre (10/4) and Monroeton in early October. These are too late to assume automatically as Ruby-throated, though they may well have been.

Three **Am. Tree Sparrow** at TP 11/15. Two **Red-winged Blackbird** at BP 10/25.

Bucks County

Highlights include: a **Swainson's Hawk** reported at Peace Valley (PV) on 11/7 (R. Pfeffer). This is a 1st Co. record. **Dickcissel** were at PV 10/10-13 and 11/23-12/3 (IB,AM et al.). This is the first report since 1990. Eight **Brewer's Blackbird** were in Richland Twp on the Upper Bucks CBC 12/22 (SF,JA,RS), the 4th Co. record.

Other highlights: A **Red-throated Loon** at PV 12/14-21 (RF). A **Horned Grebe** at PV 11/9 (RF) and 2 at Nockarnixon State Park (NSP) 12/18 (SF). Two **Brant** reported at PV 11/18 (KR). Four **N. Shoveler** were at Ingham Springs on the Central Bucks CBC on 12/29 (TE). Twenty-two **White-winged Scoter** were at NSP 12/18-19 (SF). Seven **Red-breasted Merganser** were on the So. Bucks CBC on 12/21. There were five reports of **Bald Eagle**: PV 10/5 (IB); 10/13 (AM); Revere 10/5 (SF); and Upper Bucks CBC (2) 12/22. A **Golden Eagle** was at Rushland 11/11 (MH). **Merlin** were reported on the So. Bucks CBC and at PV 12/24 (AB). **Peregrine Falcon** were at PV 10/27 (IB) and on the So. Bucks CBC.

A **C. Moorhen** was at Bradford Dam 10/9 (IB). A **Glaucous Gull** was found on the So. Bucks CBC. A **Barn Owl** was in Bedminster on 10/6 (DL) and another on the Upper Bucks CBC. **Barred Owl** were reported on the Upper and Central Bucks CBCs. A **Short-eared Owl** was in Bedminster on the Central Bucks CBC (DN). A **N. Saw-whet Owl** was found on the Upper Bucks CBC. A **Marsh Wren** was at PV on 10/6,20 (AM). An **Orange-crowned Warbler** was at PV on 10/9 (TW). A **Vesper Sparrow** was at Peace Valley on 10/27 (AM). **Snow Bunting** were at NSP on 11/2 (2) (BS) and 11/13 (23) (SF), and at PV on 11/25 (SF).

Butler County

Best was a ♂ **Cinnamon Teal** (2nd Co. record) at L. Arthur 11/5 (JF), which unfortunately departed before other birders got to the scene within a few hours. The lake's only other notable ducks were a **Gr. Scaup** 12/21 (GW et al.) and an **Oldsquaw** 12/14-21 (EK,MW,GW et al.). Good waterfowl maxima included 350 **Tundra Swan** (BM), 380 **Ring-necked Duck** (PH,BM), 95 **Canvasback** (GW et al.), 440 **Ruddy Duck** (PH,BM), and 1200 **Am. Coot** (v.o.). The **Ring-necked** and **Canvasback** were record autumn counts for L. Arthur. In contrast, **Am. Black Duck**, **Redhead**, **Lesser Scaup**, and **Red-breasted Merganser** were very scarce, and **Green-winged Teal** was unreported.

Other highlights were adult **Bald Eagle** at Moraine SP 11/3 (MF), 12/14 (EK,MW) and 12/21 (GW et al.) besides the Glades family; **Red-shouldered Hawk** 12/21 at Moraine (GW et al.) and Portersville (MS,SS); **Virginia Rail** at Glades 10/25 (PR); **Am. Golden Plover** at Butler Twp 10/23-24 (DY); 2 **Short-eared Owl** in Worth Twp 12/21 (SB,MJS,LW); 2 **Lincoln's Sparrow** at Glades 10/11 (PR), and 3 **Snow Bunting** at Glades 11/13 (PR).

Later-than-usual dates included **Blue-winged Teal** 11/2 (EK,MW), **Tree Swallow** 11/2 (EK,MW), **Barn Swallow** 10/19 (EK), **Gray Catbird** 11/2 (EK,MW), **Field Sparrow** 11/23 (EK,DD,DY), all at Moraine SP; **Chipping Sparrow** 12/28 at EK's Evans City feeder; 2 **Swamp Sparrow** 12/21 on Buffalo Creek Valley CBC, and **Com. Grackle** 12/21 on Butler CBC.

Butler CBC had good numbers of **N. Harrier**, **Wild Turkey**, **Horned Lark**, and **Brown-headed Cowbird**,

while both the Butler and the BCV CBCs had especially low counts of **Red-breasted Nuthatch**, **Carolina Wren** (Butler tallied none), **Am. Tree Sparrow**, **White-throated Sparrow**, and **House Finch**.

Cambria County

The best sighting was the flock of 20 **C. Redpoll** in the Wilmore Dam area 12/15 (JS). Dave Gobert comes through again with 2 **Lapland Longspur**, as well as 50 **Snow Bunting** and 130 **Horned Lark** on 11/28,29.

Also noteworthy was a good day in a 15-acre clear-cut overgrown now with thistles and blackberries, where Dave saw "at least 200 **White-throated Sparrow** and 1000 **Dark-eyed Junco**" at the St. Lawrence game lands.

Centre County

Deuane Hoffman reported seeing a **Clay-colored Sparrow** on 10/ 18 in a flock of Chipping Sparrows at the beach parking area at Bald Eagle SP. This is only the 2nd record of this species in Centre County.

Chester County

An **Am. Bittern** was well documented by Tony Fernandes with a written description and photographs. It was found sitting in a yew in a suburban Malvern yard, right next to a house. "This was the day after a very heavy rain and wind storms."

A 1st-year **Iceland Gull** was found by Larry Lewis in the fields around Struble L. No details provided as of this report, but if confirmed, this would be a 1st Co. record.

Long-eared Owl, **Short-eared Owl** - These were heard about via word of mouth. It is not known if more than 1 of each was observed at Struble L. A **N. Saw-whet Owl** was picked up dead by either Grier Saunders or Larry Lewis. No other details. In the *Annotated List of Chester County Birds* the **Marsh Wren** is listed as a "rare summer resident." To have it occur in late October is even more unusual. This sighting was made by Mike Coulter and Tony Fernandes in the pond area of Church Farm School.

Clarion County

Short-eared Owl. Between 10/25 and 12/29 observers recorded 26 sightings of Short-eared Owls at six different locations: Curllsville, Dunlap Rd, Mt. Airy, Middle Run, Mt. Zion, and Ritts Farm. The Middle Run site was a new one this year but it, too, is an abandoned mine reclamation site. From 1 to 6 owls were seen each time. Behavior observed included interaction with **N. Harriers**, hunting and catching prey, and wing-clapping, a courtship activity. On our CBC on 12/28 four teams saw a total of 8 individuals, but not all 6 sites were within our count circle.

An **Orange-crowned Warbler** was banded at Walter Fye's banding station on 10/5.

Clearfield County

Most of these records come from visits by the compiler to Parker Dam State Park (PD) as part of a SAP, and visits to the DuBois Res. (DR). The compiler doesn't actually live in *Clearfield*, so he would appreciate any records from birders who happen to visit the county. An **E. Phoebe** at PD on 10/24 was unusually late. Ten species of waterfowl were found at the DR on 10/29, the most interesting being 3 **Canvasback**. A flock of about 9 **Hooded Merganser** remained at the DR from mid-Oct. through late Nov.

Clinton County

White Ibis. This new species for *Clinton*, was seen by Herbert Walker (a non-birder) in Avis, 10/21-23. It was an immature. He photographed the bird in a rain pond in a side yard, next to a street and behind a bank in the middle of town. Photos are attached to the submitted PORC report.

Iceland Gull. On 12/4, Paul & Glenna Schwalbe found an Iceland Gull in a field of soy bean stubble next to a rain pond near South Avis. The bird appeared to be in 2nd basic plumage. The clean white outer primaries suggest that the individual is of the nominate race. This gull is also a new species for Clinton Co. Photos are attached to the submitted PORC report.

Peregrine Falcon. An adult bird was found sitting in the South Avis fields on 11/11. It was observed for awhile before it took flight. **Red-tailed Hawk.** The partial albino Red-tailed Hawk that was seen in the Cedar Springs area for the past two winters, was observed again this winter in the same area by Wayne Laubscher.

Columbia County

Other than the absence of **Evening Grosbeak**, **Red-breasted Nuthatch**, and **C. Redpoll** there is little indication that the dramatic contrast between the weather conditions of the last two fourth quarters has significantly affected bird sightings. And even those three may have been responding to natural food supply rather than weather.

Twelve **Tundra Swan** on the Susquehanna R. 12/2 (JF) was a good find. A **Snow Goose** mingled with "domestic" **Canada Goose** and alternately led or followed small groups on foraging forays thru the quarter (MP, HM,SK). A very unexpected **Brown Thrasher** was a feeder regular (CS) from mid-Nov. to early Feb. '97. In addition to rummaging thru the ground litter —when it was not snow covered—the thrasher frequented suet feeders. It knocked large particles to the ground and then dined in a more comfortable horizontal position.

Tonya Boston-Sager reported an interesting confrontation between a compost-feeding crow and an apple-feeding deer. The latter had blocked access to the compost and the crow vigorously transferred this information to the deer. After a somewhat prolonged debate the confrontation was resolved with the deer somewhat reluctantly finding that the apples on the tree's side away from the compost were tastier!

Twenty-five-year high Christmas counts were recorded for **Canada Goose**, **Blue Jay**, **Winter Wren**, and **E. Towhee**.

Crawford County

A **Glossy Ibis** was seen 11/3-12 at Pymatuning L. (ph Tony Marich, Mike Fialkovich). A **Greater White-fronted Goose** was at Pymatuning 11/9.

An **E. Phoebe** 12/15 near Conneaut Marsh was the 3rd Dec. record in the last 3 years. The other two were on Linesville CBC and from the Pymatuning L. area.

A **Nelson's Sharp-tailed Sparrow** was found east of Crossingville 10/9 (†PR).

Dauphin County

Although seasonal totals were low for the Blue Mt. hawk watch, **Bald Eagle** (13) and **Black Vulture** (61) reached new highs (MM). **Golden Eagle**, **Merlin**, and **N. Goshawk** were among the spp. observed. A **Rough-winged Hawk** was seen

10/31 (GR); and **N. Saw-whet Owl**, **Long-eared Owl**, **Merlin**, and **N. Goshawk** appeared on the Upper Dauphin CBC 12/27 (SB,MM et al.).

The mild weather probably explains the late sightings for **Gray Catbird** (NC,SB), **E. Phoebe** (SB), **Red-winged Blackbird** (SB) and **C. Yellowthroat** (JR,GR), all of which were still being seen the last week of Dec.

Swainson's Thrush was observed from 10/6-27 in the Linglestown area (JB); 40 **Wild Turkey** were seen 10/31 at Carsonville (J&JF); a flock of 30 **Rusty Blackbird** was found on Blue Mt. 11/10 (MM); and a lone **Snow Goose** was at Wildwood L. and on the Susquehanna R. at Harrisburg from 12/8-21 (EC,MM).

Delaware County

Great Cormorant (NP) are increasing their presence with sightings from the Delaware R. on 12/3 (1), 12/5 (1), and 12/21 (4). The Springton Res (SR) produced some good birds. A **Brant**, only the 2nd record in the last 10 years, was a nice discovery on 11/10 (NP). Also at SR was an **Oldsquaw** found on 11/6 (AG) and observed by many. The third good find at SR was 3 **Surf Scoter** on 10/19 (NP). These birds appeared after a storm passed through the area the night before. This was the 1st record for the county since *Pa. Birds* was first published (1987).

We did well on shorebirds due to increased coverage in the Darby Cr. area. Twelve species were recorded with the best finds 2 **White-rumped Sandpiper** on 10/14 along with 33 **Pectoral Sandpiper** (AG). Also present on that day were 2 **Dunlin** and on 10 **Stilt Sandpiper** were present 10/1 with 1 **Short-billed Dowitcher** (AG).

Red-breasted Nuthatch were impossible to find until 12/21 when 3 were finally discovered along Ridley Creek in Media on the CBC (JL). One **Marsh Wren** was still present in Essington on 12/21 (NP). A nice find was a **Gray-cheeked Thrush** on 10/13 (JG) at Tyler Arboretum (TA). **Am. Pipit** put on a nice show when the first one was found on 10/6 (NP) in Concord Twp and others continued throughout the period until 12/5.

An **Orange-crowned Warbler** made a very brief appearance in Media on 11/29 (AG). On 12/21 a **Yellow-breasted Chat** was found at the Darlington Tract (AG). Making an unusual appearance at a Media feeder was a **Rose-breasted Grosbeak** on 11/9 (JL). On 10/22 a ♀ **Dickcissel** was located at the Phila Airport (AG). At the TA on 10/9 a **Clay-colored Sparrow** (AG) was seen among mixed flock of sparrows. Several **Lincoln's Sparrow** (AG,NP) were found. One in Concord Twp on 10/7 and another at Essington on 12/5. Two **Snow Bunting** made their debut on 12/21 at the airport (NP). A **Baltimore Oriole** was found during the CBC in Bethel Twp and, finally, an **Evening Grosbeak** was tallied 10/11 (NP) at TA.

EXOTIC: A **Chukar** was in Swarthmore 12/1 (HM).

Elk County

The weather remained mild with no major snowstorms, which meant there were few birds at feeders. Dave Wolfe reported that he saw 2 imm. **C. Loon** at ice-free water of East Branch Dam on 12/29. 14 **Gr. Blue Heron** nests were found near Hallton in an area that had active nests some years ago. We plan to check this area out in April. **Tundra Swan** were earlier than usual and numerous. I watched an immature **N. Goshawk** in my yard in St. Marys for about an hour 10/8. A ♂ **E. Towhee** visits my feeder area every day. Also gives his call note quite often. One **N. Mockingbird**, rare here, visited my bird bath 10/16 in SM.

Frank Hughes reported an imm. and an ad. ♀ **Red Crossbill** at his feeder in Ridgway 10/19 when it was 38° and heavy rain with NW winds. On that day there was snow in the higher elevations. A lone **Pine Siskin** was seen in SM on 12/7 (LC) with a group of **Am. Goldfinch**.

ADDENDUM: In Aug. 1996 Frank Hughes watched a **Merlin** at Buzzard Swamp (photo attached).

Erie County

Except for the few seasonal rarities, there was little of note in terms of number of migrants and of northern finch movement.

Horned Grebe were scarce this year with highest counts only in double figures. Waterfowl numbers seemed to be low this year as well, especially **Red-breasted Merganser**. Usually there are rafts of thousands of **Red-breasted Merganser** off the outer beaches of Presque Isle., but this year only 1600 was the high count.

A heavy snow storm 11/10-11, brought down power lines, trees and tree limbs, closing P.I. for a day or two until the roadways could be cleared. The birches appeared to sustain the greatest damage' since there were still many leaves still on the trees when the storm hit. There was little evidence of any bird mortalities caused by this early winter storm.

The only invasion from the north was **Snowy Owl**, where perhaps as many as 4 owls were present during Dec. in the Erie area.

Rarities included, an **Eared Grebe** that appeared on 11/2-24, and an unidentified **Plegadis** made a brief visit at Gull Point on 10/6. A rather large flight of **Brant** passed P.I. on 11/8, when two flocks of birds containing 500 birds (one flock had about 400 birds) with the flight spilling over to the next day when 60 were observed. Over 700 **Dunlin** were counted in the course of a couple of hours flying over or around P.I. 11/2. Three **jaegers** were seen this period. One imm. **Parasitic Jaeger** on 10/19 and another without details on 11/10, and on 12/5 a **Pomarine Jaeger** which was photographed, spent at least two hours at Gull Point resting on the beach and pursuing gulls. The **Pomarine Jaeger** represents only the 2nd record for *Erie* and one of the few for Pennsylvania.

Fayette County

All reports from Jacob's Creek L. (JCL) where waterfowl gather during migration. Seventeen **Common** and 1 **Red-throated Loon** were there 11/26 (MF). A **Pied-billed Grebe** was found 10/22 and 11/26 (MF). A flock of 13 **Tundra Swan** was there 11/26 (MF). Duck numbers were good with 54 **Blue-winged Teal**; 15 **N. Shoveler**, and numerous **Gadwall** 10/20 (R&SG). Fifty-two **Ruddy Duck** were there 10/20-22 (R&SG,MF); two **Redhead** 11/10 (W&DS); and 12 **Ls. Scaup** 11/26 (MF).

Am. Coot were abundant with 400 at JCL 10/20-22 (R&SG,MF). A small flock of 16 remained there 11/26 (MF). **Ring-billed Gull** maxima was 104 on 10/20 (R&SG). Uncommon were the 2 **Forster's Tern** 10/20 (R&SG).

The most unusual bird was an imm. **Cattle Egret** observed feeding along the dam 10/20 (R&SG), which is probably a 1st Co. record!

Franklin County

A single **Snow Goose** spent two days at Reservoir Road 10/28-29 (DG). An impressive group of 36 **Black Scoter** was at a pond along Mountain Brook Rd on 11/14 (DG, KG). They could not be relocated on 11/15. This represented a possible 1st Co. record. A very late **Broad-winged Hawk** was reported on

the Chambersburg CBC 12/21. A **White-rumped Sandpiper** was at RR from 11/5-10 (CG, DG). Southern species lingering for the CBC were; 1 **E. Phoebe**, 1 **Brown Thrasher** and 2 **E. Towhee**. **Lapland Longspur** were found along Grindstone Hill Rd 12/8 (DG) and Fetterhoff Chapel Rd 12/21 (CG) and a **Snow Bunting** was seen along Altenwald Rd 12/22 (CG).

Fulton County

Highlights were **Rough-legged Hawk** and **Red Crossbill**. Although the county attracts modest numbers of water birds on our lakes and ponds, Tuscarora Mt (TM) can be an excellent vantage point to witness flocks and numbers of migrants from the Great Lakes en route to the Chesapeake Bay/Atlantic Ocean. This fall included moderate flights of **C. Loon**, 29 on 10/25 (CG) and 19 on 11/1 (JC); **Tundra Swan**, **Snow Geese** 11/1 (JC); and a **Double-crested Cormorant** 11/6 (CG). Carl Garner reports at Cowan's Gap: **C. Loon**, **Pied-billed Grebe** (6 on 10/18,21); **Gadwall**; and **Am. Wigeon**. Meadow Grounds L. yielded **Green-winged Teal** 11/1 (DH); 40+ **Wood Duck** 10/20 (DS); and a **Spotted Sandpiper** 10/13 (DS).

Fall raptor sightings at TM, a.k.a. "The Pulpit," include **Osprey** 10/13 (DS); 3 **Bald Eagle** 11/29 (JC); **N. Goshawk** 10/17 & 11/19 (CG); **Rough-legged Hawk** 11/15 (CG,JC); 5 **Golden Eagle** on both 10/24 (CG) and 11/1 (JC); 2 **Merlin** 10/13 (EM,DS); and **Peregrine Falcon** 11/3 (JC).

Late migrants of note include **Ruby-throated Hummingbird** in Needmore 10/2 (SP); 6 **Cliff Swallow** over TM 10/1 (CG); **Nashville** and 2 **Palm warblers** in McConnellsburg 10/18 (DS). Three **Pine Warbler** were observed singing at MGL 10/13 (DS) and 2 **Fox Sparrow** were found near the MGL fishing pier 11/1 (DH).

Winter finches were scarce. However a flock of **Red Crossbill** was at Cowan's Gap 11/1 (DH).

Huntingdon County

The Huntingdon and Lake Raystown CBCs both tallied slightly above average species totals (64, 68). **E Towhee** were found on both counts, a species not found by birders here most winters. Other uncommon wintering species on the two counts included **Am. Coot**, **Winter Wren**, **Hermit Thrush**, **Yellow-rumped Warbler**, **Fox Sparrow**, and **Red-winged and Rusty blackbirds**.

The **Golden Eagle** count at the Stone Mt. hawk watch was excellent in 1996. Between 10/10 and 11/27, 97 **Golden Eagle** were counted at this part-time watch, including 25 on 10/28 (NB,BK) and 18 on 11/2 (NB,GG, DG). Also at SM: 6 **Peregrine Falcon** on 10/10 (GG,DK, TK); 600 **Tundra Swan** 11/2 (GG); 70 **Snow Geese** 11/12 (GG); and 30 **Oldsquaw** 11/19 (DK).

Among winter finches, only a few **Purple Finch** and **Pine Siskin** were reported.

Indiana County

The highlight was a major passage of loons at Yellow Creek SP 11/22 (GL,GS,AB,LC et al). Included in the 700+ **C. Loon** were at least 4 **Red-throated Loon**; this is the largest fallout of loons on record for *Indiana*. Notable dates included 10/20 when many high counts were reached, including an all-time high of 511 **Ruddy Duck** and 11/9 when 5 **Black Scoter** and 7 **Gr. Scaup** were well observed on the lake. Plantings in an Indiana yard yielded late dates on **Nashville** and **Magnolia warblers** and **Scarlet Tanager** (PW). Also

unusual were the reports of at least 2 very late **Gray Catbirds**, 1 at Yellow Creek through the beginning of the next quarter (M&RH) and one in Indiana, still present 12/31 (PJ). The CBC 12/26 brought few surprises, with the "bird of the count" being a **Pine Warbler** eating suet at an Indiana feeder (J&KD).

Jefferson County

One of the last pushes of warblers occurred on 10/13, with 1 **Cape May**, **Black-throated Green**, as well as 2 **Yellow-rumped** at Clear Creek SP (JF). Four Yellow-rumped were also found on the DuBois CBC 12/29 near Falls Cr. (JF,LH,SW).

Waterfowl were first observed at Kyle L. and Cloe Dam in early Oct., with larger numbers being seen in late-Oct. and early-Nov. Two **Snow Geese** were at KL 11/7 and 1 **Red-necked Grebe** there 11/14 (JF). Deuane Hoffman saw 9 **Oldsquaw** at KL 11/14. **Double-crested Cormorant** were at KL 10/27–11/16 (JF,JH,DH,DC).

A **Short-eared Owl** was seen near Coal Glen at the intersection of SR1008 and TR578 on 11/7 (JF) and again 11/14 (DH). A **N. Harrier** was near KL 10/12 (TC).

A lingering **E. Towhee** was seen in Falls Creek on the DuBois CBC (JF,LH,SW).

Lancaster County

Conowingo Pond had an ad. **Great Cormorant** on 10/8 (RS). An ad. **Franklin's Gull** and 3 **Nelson's Sharp-tailed Sparrow** were found on the Conejohela Flats 10/6 (BS). Although unbanded and with no collar, the origin of the **Trumpeter Swan** at Octoraro L. on 12/12 is unknown.

Another highlight was undoubtedly the **Snowy Owl** that appeared 12/9 at the Armstrong plant in downtown Lancaster! It was captured two days later when it flew into a basement on Prince St. The owl was taken to the local rehabilitator and found to have a heavy parasite infestation. After suitable treatment and recuperation it was released near Octoraro L., but has not been seen since.

The ♂ **Eurasian Wigeon** returned for the SoLanCo CBC for the 8th consecutive year. A **C. Raven** was found in Rapho Twp 10/19 (RM). The **Black-and-white** and **Nashville warblers** found at the Lancaster Sewer Plant s. of Washington Boro on the Lancaster CBC lingered in Jan. 1997. A **Yellow-headed Blackbird** was found at Octoraro L. 12/22.

Lawrence County

Owls provided the most notable sightings. Near her New Castle home, Linda Wagner still had a young **Great-horned Owl** begging for food on 10/11. The **Short-eareds** were reported back at the Volant strips in early Nov. with a high count of 9 on 11/11 (JF). With the lack of heavy snow, at least three owls remained there throughout the rest of the quarter. A **Long-eared Owl**, presumably a migrant, was seen near the strip area on 11/24 (B&GD). The most exciting owl sighting however was by Barb Dean on 12/11 in her own backyard in New Castle. While up one night she heard something hit her studio window and instinctively knew it was a bird. Looking out the window, she saw a **N. Saw-whet Owl** perched on her backyard railing. For about an hour, the owl was intent on watching the area below her feeders. It then sat for awhile in the bare branches of her weeping cheery tree before flying off into the night.

The tri-county **Sandhill Crane** family of 4 was seen in the Plain Grove area on 11/4-6. Two cranes were seen flying over the Volant Strips on 11/15. Presumably these were the 6

that were sometimes seen together in *Butler*.

Nancy Rodger's pond hosted hundreds of **Canada Geese** and also attracted **Snow Geese** and **Mute Swans**. Both of the latter are unusual here.

Lebanon County

100 spp. were recorded. A **White-winged Scoter** was on Memorial L. 10/23 (MC) and 17 **Hooded Merganser** there 11/29 was a good count (SM). A **Black-throated Green Warbler** was a Memorial L. 10/27.

The highlight was 1-2 imm. **Clay-colored Sparrow** in a group of ±300 birds, mostly **Chipping Sparrow**. They were attracted to the bright lights at the lumberyard where I work. When I arrived at work at 0615, approx. 200 birds were inside the building.

Lehigh County

Three **Surf Scoter** were at Leaser L. on 10/19 (KD,RW), 47 **Ring-necked Duck** were at the Fogelsville Quarry on 12/21 (FB), and a late **Great Egret** was seen near Herford 10/10 (P&BM).

A **Rufous Hummingbird** with a mostly rufous back was discovered at a feeder at the home of Renatea and Paul Derr near Trexlertown in late Sep. It remained through the end of the period and was seen and photographed (m.ob.). I enclose a few photos that I took. As the weather got colder it was feared that the feeder would freeze up. I made a heater consisting of a 120 watt outdoor floodlight positioned next to the feeder, which is enclosed in a wooden box open at one end. Last I heard this was working very well. There have been two previous records of a Rufous/Allen's hummers in the county, but both of them had all green backs. This bird, as seen in the photos, had rufous flanks and a back that is mostly rufous but with some green spots. There are also a few bright rufous spots on the throat.

A **Red-headed Woodpecker** was at Cozy Corner 12/21 (JH). Jason also found an **E. Towhee**, 2 **Carolina Chickadee**, and heard a **White-winged Crossbill** near Emmaus on 12/21. A **Fish Crow** and a **C. Yellowthroat** were found in Allentown on 12/21 (BT), and a **Red-winged Blackbird** and a **Chipping Sparrow** were seen near Jordan Park on 12/21 (AK).

Luzerne County

There were 134 spp. reported, up from the 126 reported in the same quarter last year. A **Red-throated Loon** stayed one day at Harvey's L. 12/16 (EJ) and a **Red-necked Grebe** stayed on HL 11/24 for 5 days (EJ, BR). A **Mute Swan** on 10/17 (ES) was new for Francis Slocum SP. Not observed in many years were 45 **Brant** 11/7 (AP), seen flying over Council Cup. Two **Oldsquaw** at Nescopeck SP 10/27 (AG) were early. Three ♂ **Black Scoter** were seen on Sylvan L. 11/9 (RK). Seven **White-winged Scoter** on HL 12/19 (EJ), missed the Dallas CBC by two days. Consistent sightings of **Ruddy Duck** this quarter seemed indicative of successful breeding up north.

A **Broad-winged Hawk** seen by Bill Reid (†) on 11/27 in s. *Luzerne* was very late to migrate. The fall hawk flight was dismal compared to 1995. Most cold fronts were accompanied with cloudless skies. One **Rough-legged Hawk** was reported in the Conyngham area 11/25 (AG) along with a **Short-eared Owl** 11/15 (AG) and a **N. Saw-whet Owl** 11/10 (AG), all rare for this county.

A **Gr. Yellowlegs** flew over Council Cup on 11/1 (RK). No **C Snipe** reported, although many efforts were made in

reliable locations. **Am. Woodcock** were reported by many hunters this quarter along with **Wild Turkey** (FC). Nescopeck SP held a **Marsh Wren** 10/13 (AG). Very high numbers of **Ruby-crowned Kinglet** were found and nine species of warblers were reported. The excellent crops of crab apple, hawthorns, Virginia Creeper, and Winterberry were dined upon by large numbers of **Am. Robin** and **Cedar Waxwing**.

The only report of **Snow Bunting** was at Council Cup lookout 11/2 (AG). **E. Towhee** at FSSP on 12/21 (BR) was late. Although no bucks were seen, a **Rusty Blackbird** 12/2 kept JH alert on his deer hunting post at Dorrance. The only winter finches were lone **Pine Siskin**, 10/26 (RK) at FSSP and 11/4 (AP) at Hobbie.

Last but not least, an **E. Kingbird** was observed by Autumn Pfeiffer (†) perched on a wire at the entrance to Council Cup lookout on 11/5 which is an extremely late sighting. The following day had inclement weather and the bird was not seen since.

Lycoming County

The **65 Brant** seen 11/7 at Rose Valley L. (G&PS) were a new county high. A very late **Chipping Sparrow** visited the Schwalbe's feeder in Jersey Shore on 12/21.

Mercer County

One of the unusual birds was a ♀ **Black Scoter** seen 11/20 on a small pond near Milledgeville (PR). He also found 2 **Sedge Wren** (†) 10/26 s. of West Middlesex while working on a restored wetlands project.

A **Short-eared Owl** was seen in the strip mine area behind the new Grove City outlet mall. This area is only a few miles from the *Laurence* strips, where up to 15 **Short-eareds** have been reported. The roosting **E. Screech Owl** in a Hermitage **Wood Duck** box this winter is of the red phase, (last year's was a gray). Contrary to reports elsewhere in the state, **Wild Turkey** is scarce in Hermitage, probably due to the locally poor acorn crop.

An incredibly late date for **C. Yellowthroat** was 12/29! One ♀ was seen at Pennsy Swamp by Linda Wagner. The weather helped her: it was 56°. Members of the Bartramian Audubon Club found another unusual bird: a **Harris's Sparrow**, on 10/27 also at Pennsy Swamp.

The **House Finch** eye disease has spread to *Mercer*. One diseased bird was observed at a Grove City feeder the first week of October.

A late report from C. Brudowsky, ranger at Shenango River Res., states that **Purple Martin** resumed use of a martin house at Clark last spring, for the first time in 5 years, when it was abandoned as a result of a cold, wet spring. Also of interest is his report that 2 **Bald Eagle** fledged from the newest nest site, which is on the Ohio side of the reservoir. However, the older nest, also in this watershed, at Kinsman, Ohio, did not produce any young this year.

Mifflin County

On 11/26 I checked the clock at 0310 and still hadn't dropped off to sleep. The "crazy moon" does this to me at times, but it was great! I heard an unidentified bird SONG. It was melodious and soft, but not like anything I had ever heard. Perhaps it could be compared to a Song Sparrow, only soft and mixed with some tumbling little "hoots." I slowly crept to the open window, and in the moonlight I could see the outline of 2 **Great Horned Owl** sitting just outside of the window on a limb. They continued to SING for 38 minutes. I haven't heard them since, but I feel elated to have heard such

a lovely glimpse into the private meeting of a pair these owls.

They nest just into the woods and perhaps they will bring their young into the backyard to teach singing lessons as they usually do on warm summer nights. They respond to owl calls and we can at times have up to 4 or 5 owls responding. We have done this for most of our 48 years on this corner of the woods.

Montgomery County

As we've come to expect, Green Lane Res. hosted several good birds: **Red-throated Loon**, **Am. Bittern**, **Barnacle Goose** (from 11/23 through Dec.), **Canvasback**, **Redhead**, late **Tundra Swan** (12/21), **Surf Scoter** (very briefly during a heavy storm), **Red-breasted Merganser**, **Bald Eagle**, **N. Goshawk**, **Golden Eagle**, **Merlin**, **Barred Owl** (calling at the compiler's home on Christmas Day late afternoon), **Long-eared Owl**, **Henslow's Sparrow**, **Lincoln's Sparrow**, **Snow Bunting**, **Baltimore Oriole** (12/26), **Pine Siskin**, **Purple Finch** (all quarter).

Ft. Washington/Militia Hill highlights: 82 **Tundra Swan**, 130 **Snow Geese**, 62 **Brant**, **Oldsquaw**, **Golden Eagle**, **Am. Woodcock**, **Winter Wren**. A **N. Saw-whet Owl** spent a day (at least) in a conifer in the Mirabella's yard in North Wales.

A marshy spot at Valley Forge yielded a **C. Yellowthroat** on 12/28.

Montour County

The **Am. White Pelicans**, reported in the 3rd quarter continued at Montour Preserve (L. Chillisquaque) through 10/2 when, 3 were still seen. The 3 indiv., a smaller part of the group of 21 pelicans seen 1 day prior to the arrival at Montour Preserve, remained a total of 10 days. The **Cattle Egret** which remained until 11/18, was the first fall record for the central Susquehanna region, and the 4th record for *Montour*. Waterfowl numbers and diversity were unexceptional, despite open water through the quarter. A single **Brant** was seen 11/8-10 on the Susquehanna River and on nearby fields.

The first **Rough-legged Hawk** of the season was reported on 12/22. **White-throated** and **White-crowned sparrows** were noted by 10/13 and 10/4, respectively, but few other northern species were evident.

Northampton County

Ten **Ruddy Duck** were at the Martins Creek fly ash ponds 10/10 (RW) and a **Canvasback** and 2 **White-winged Scoter** were at Albert Rd. ponds 12/9 (DM). The dark morph **Red-tailed Hawk** returned to Martins Creek PP&L plant 11/19 (RW) and a record 11 **Golden Eagle** passed Little Gap Bird Observatory after a front on 10/28 (GY). Two **Merlin** were seen on the Wild Creek-Little Gap CBC on 12/22 (RW,SB,GY).

Good numbers of **Am. Golden Plover** were present at the MCFP in Oct., with a high of 22 on 10/18 and 3 **Black-bellied Plover** were there 10/27 (RW). Five **Dunlin** were at that location 10/10.

A starving **Snowy Owl** was found at the MC PP&L plant on 11/18 (SB,RW). It was taken to a rehabilitator, but unfortunately it died upon arrival.

An **E. Phoebe** was seen near Pt. Phillip 12/22 and a **Bullock's Oriole** was at the Koch farm 11/12-13 (AK,JH). An excellent find was the discovery of a **Nelson's Sharp-tailed Sparrow** by Brian and Tiffany Hardiman at Minsi L. on the late date of 11/11. The bird was netted and photographed the following (RW et al.). This is a 1st Co.

record. Another excellent find was a **Henslow's Sparrow** at the Koch farm 10/16 (AK), probably the 1st Co. record since the 1950s. **Purple Finch** staged a good flight.

Perry County

Winter finches were basically non-existent, the exception being a lone sighting of 2 **Pine Siskin**.

The New Bloomfield CBC set a record of 75 spp. despite the weather conditions; rain until after noon, but the crew was persistent and this persistence paid off.

Philadelphia County

Red throated Loon, one each day, 11/6 and 11/13 were at the East Park Res. (EF,KR,LB). Good flights of **C. Loon** went over Roxborough in Nov., peak being 63 on 11/27 (BM). **Horned Grebe** appeared at the EPR 11/6 and 11/13 (KR,CM,LB,EF).

A lingering **Green Heron** remained at Tinicum until 11/23 (SS, CM). A rather spectacular flight of 92 **Tundra Swan** soared over RX 11/4, and not to be outdone, 150 **Snow Geese** followed on 11/15. Meanwhile, 62 **Brant** used the same flyway on 11/12 to make their southward journey (BM). This area appears to be an under-birded and rich migration corridor in n.w. PHL. It needs more consistent monitoring. Top count of **N. Pintail** was 350 at Tinicum 11/1, and it was a good season for **Gadwall**, peak of 17 at TN 11/23 (EF, CM). **Canvasback** at EPR numbered 325 on 12/11, a very high number (EF, KR). An unexpected pair of **Oldsquaw** used the above mentioned RX flyway on 11/3 (SL,MK). **C. Merganser** numbers were disappointing this year, not nearly reaching the impressive numbers of a year ago. A single **Red-breasted Merganser** was at the EPR 12/6 (EF,CM).

The numbers of **Black Vulture** at Schuylkill Center for Environ. Educ. continue to grow; 24 were counted on 11/28 (CM). **Bald Eagle** were present all quarter in low numbers. Steve Lawrence reported the only **N. Goshawk** of the season, 11/8, and the only **Rough-legged Hawk** 10/31 in West Mt. Airy. The Wyncote CBC in upper Wissahickon recorded 24 **Red-tailed Hawk** 12/21, a rather high number for such a restricted area. A glorious ad. **Golden Eagle** used the RX flyway 11/15 (BM). Nine **Wild Turkey** were on the upper Pennypack 10/14 (EF).

What a late season for rails at Tinicum! Three **King Rail** were heard 10/19 and 12/19 (JCM).. Two **Virginia Rail** were also heard 10/19 (JCM) and 1 was seen 11/8 (EF). **Sora** also were heard and seen, 2 on 10/19 (JCM) and 1 on 10/27 (SC). **C. Moorhen** lingered at least 'until 11/3 and 125 **Am. Coot** were counted 11/23 (EF).

Shorebirds throughout the county were dismal due to high water conditions, so they overflowed the city, like the one **Am. Woodcock** that zoomed above RX on 11/7 (BM). A **Ls. Black-backed Gull** of the *graselli* race was identified at the EPR 10/16 and 12/18(KR,LB,EF).

As noted in last quarter's report, the Shawmont School **Chimney Swift** roost failed to materialize this year, so the high count was only 20 seen above the EPR on 10/16 (KR, LB). The Wyncote CBC birders found 24 **Red-bellied Woodpecker** and 8 **Yellow-bellied Sapsucker** in the Wissahickon 12/21. **Pileated Woodpecker** continue to be reported in the Wissahickon and Carpenter Woods areas (WYN,KS).

A lingering **E. Phoebe** was found at the Army Corps (AC) area 12/15 (KR,CW). Eleven **Horned Larks** were at the Northeast Airport for the Pennypack CBC 12/21 (BB), and again 12/26 when EF found 6. This was definitely not a **Red-breasted Nuthatch** year, very few reports. **Carolina Wren**

numbers still seem a bit low. The WYN CBC birds noted a mere 15 on the upper WIS 12/21. But the mild winter produced a surprising **House Wren** at the very late date of 12/15 at the AC (KR,CW).

A number of **Am. Pipit** reports was refreshing after missing this bird for some time; 35 appeared at the AC 10/12 (EF,LB) and 2 at the EPR 11/6 (EF, KR). Two late **Solitary Vireo** and a **Black-throated Green Warbler** were at TN 10/20 (SS). Two "western" **Palm Warbler** were found at the EPR 10/16 by KR and LB and a single **C. Yellowthroat** at the AC 12/15 (KR,CW). Frank Windfelder noted a late **Wilson's Warbler** in n.e PHL 11/30.

Chipping Sparrow is now reported annually in Dec. This year's representative was one in n.e. PHL on 12/21 (BB). **White-crowned Sparrow** were hard to come by, but there were 2 at the AC 12/15 (KR,LB,CW).

E. Meadowlark came through in mid-Oct. Chuck Hetzel found 2 at SCEE 10/15. Low numbers of **Purple Finch** appeared all quarter. **House Finch**, apparently still suffering from conjunctivitis, only numbered 224 in the upper WIS on 12/21 (WYN).

EXOTIC: The two **Egyptian Geese** remained at Valley Green all quarter (EF,CW).

My thanks to Martin Selzer for providing me with the Wyncote CBC data for the upper Wissahickon area and to everyone who so faithfully provided records these last ten years.

Potter County

From mid-Sep to late-Oct birds seemed quite scarce here. In early Nov., **juncos**, **goldfinches**, and **Am. Tree Sparrow** came in some numbers. However the winter has been fairly mild and there seems to be an adequate natural food supply, so the birds are not coming to feeder much this year. Most people are reporting little feeder activity except during and after snow storms and very cold weather.

Schuylkill County

From Alan Gregory we received the following note. "Here are a few notes from an 8-mile hike a friend and I took through the wilds of northern Schuylkill County yesterday, 16 Oct. Among the places we visited were SGL 306, the relatively new game lands that includes the old Lofty Res. (Mahanoy City's former water supply).

1 **Red-breasted Nuthatch** and 6 **Yellow-rumped Warbler** at the Bears Head fire tower. At Negro Hollow in lower East Union Twp, northwest Delano Twp: 7 **Hermit Thrush**, a **Winter Wren**, at least 300 **Am. Robin**, 1 **Pileated Woodpecker** and a **Cooper's Hawk**.

On SGL 308: 3 **Winter Wren**, a **Black-and-white Warbler**, 200+ robins, 2 **Hermit Thrush**, 25+ **Dark-eyed Junco**, 4 **White-crowned Sparrow**, 1 **Sharp-shinned Hawk**, 2 **Pied-billed Grebe** on the res., a late **Gray Catbird**, a **Fox Sparrow**, 20+ **Yellow-rumped Warblers**, and a **Solitary Vireo**. Also saw a red phase **E. Screech-Owl** in a cavity about 20' up a tulip tree.

Just below Sheppton, about 20 **Turkey Vulture** and a **Red-tailed Hawk**.

Somerset County

229 spp. were tallied for 1996. A **Tundra Swan** observed at Somerset L. (AM) was traced by its neck collar, P652) to a banding date of 2/7/94 near Ringo, AK. **Snow Goose** and **Brant** were seen by J&LP on 11/9. A large raft of **Canvasback** sat on Somerset L. on 11/20 (KS). A ♀ **Surf Scoter** was on Quemahoning Res. 10/19 (SB). Large numbers

of **Hooded Merganser** and **Ruddy Duck** were tallied (J&LP).

Rough-legged Hawk were scarce, but 1 found by J&LP. **Sora** was seen at Garrett mud flats (LP). **Dunlin** made several appearances (J&LP).

An imm. ♂ *Selasphorus sp.* was found at the Payne's feeders from 10/4-15, a 1st Co. record (ph.SB). 1st co. record of what???? A **Connecticut Warbler**, always a nice bird, was seen 10/6 (JP). A late **Chipping Sparrow** was seen 11/27 (AM). An **Evening Grosbeak** was at Tom & Sally Dick's farm in Nov.

Sullivan County

Boring! Is the best word that I (and observers) can use to describe the quarter. Migration was nonexistent and northern species did not put in an appearance (exceptions noted below). Weather was unseasonably mild (rain instead of snow and above normal temperatures). Making up for previous years' snow and cold? Birds were coming to feeders sporadically and in low numbers, even for expected species. One observer noted that in past years she had usually gone through three 50-lb. bags of sunflower seeds by quarter's end. This year she was still on the first bag!

An imm. **Tundra Swan**, very rare here, arrived at Hunters L. 11/2 and remained through 11/16 (BS, NK). Small and sporadic numbers of the expected waterfowl were present, despite streams remaining open and lakes/ ponds not freezing over until late Dec.

A **Bald Eagle** was a Shumans L. 12/30 (AG). An imm. **Golden Eagle** was a surprise at Wheelerville on 10/29, a rarity for the county (JH). But Doug Gross had had 1 at Ricketts Glen SP 10/26! He also had 6 **Red-tailed Hawk** there. A **N. Shrike** made a single appearance at Splashdam Pond on 11/10 (NK).

The only lingering species from the mild weather was a lone **Chipping Sparrow** that remained at a Worlds End State Park feeder through the end of the quarter (NK).

Susquehanna County

Bill Reid reported the following from Springville Twp: 8 **Killdeer** 11/6; 15 **Horned Lark** 12/19; and 5 **Am. Pipit** 11/7.

Venango County

Overall it was a slow quarter. Numbers of most birds were down. Waterfowl were few with the whole migration generally later than normal. The highlights would be 2 early **Horned Grebe** at Two Mile Run Park (TMRP) 10/11 (RS,GE); a **Snow Goose** at Kahle L. that remained for 2 weeks from 11/24-12/7 with a flock of 400 **Canada Geese**; a very late **N. Shoveler** 12/25 at Buttermilk Hill Nature Sanctuary (KG) & 2 late **Oldsquaw** 12/15 at Kahle L. (GE, RS).

When a **Rough-legged Hawk** showed up at Windy Hills on 10/7, two weeks earlier than any previous records, we were hoping for a repeat of last year's 15 birds, but 1 or 2 were all that could be found at once. They were found in several other locations, but they could rarely be located again.

Our one migratory shorebird for the quarter was a **Dunlin** on our 20 square feet of mud flat at TMRP on 10/11. Lots of rain, no mudflats.

Short-eared Owl were located at the Barkeyville fields on 11/3. **N. Saw-whet Owl** at BHNS on 12/13. **Horned Lark** were found in good numbers in the fields around Kahle L. Flocks of up to 100 birds were seen on several occasions. And a flock of about 400 **Am. Pipit** was seen in these fields on 10/6 (RS,GE). At least two different **N. Shrike** were seen around

Kahle L from 11/17 (JS,KG) to 12/12 (GE,RS).

Solitary Vireo had a couple of good days near the end of their migration 10/11-20. A few warblers had some Oct. migration: a **Nashville** 10/11, **Black-throated Green** until 10/11, and an **Ovenbird** on 10/5.

The only **Lapland Longspur** and **Snow Bunting** were on 11/12 near KL (GE) with a flock of **Am. Pipit**. No winter finches.

Warren County

A **Horned Grebe** was seen on the Allegheny R. in Warren 10/22 (BH). A **Double-crested Cormorant** was on the river in Warren 10/31 (BH). Two large flocks of **Tundra Swan** flew over Warren. 11/9 (TG). Seventeen **Hooded Merganser** were seen on Conewango Creek 11/2 (BH). A highlight of Warren's 54th CBC, 12/21, was the 14 **Bald Eagle** recorded. This was reduced from the tally of 19 for possible double counting. Previous high was six.

Sharp-shinned Hawk were reported from 11/8-17 at Saybrook (CMN) and in Warren 11/28 (BH). A **Cooper's Hawk** was seen at North Warren 10/6 (CP). A **N. Goshawk** was seen in the Allegheny National Forest (ANF) nine miles east of Warren 12/7 (KC).

An **Am. Coot** was in Warren. 10/10 (BH), and one on 11/4 accompanied **Mallards** and **Ring-billed Gulls** that people feed on the Beaty School parking lot (TG).

Eleven **C. Raven** were in a group in the ANF 12/14 (KC). An **E. Towhee** was at Saybrook. 12/31 (MN). A **Chipping Sparrow** visited a feeder in Warren. 11/27-28 (BH). Three **Vesper Sparrow** were on a snow-free road shoulder near Lander 11/14 (TG), and two **Savannah Sparrow** stayed late along Old State Rd. 11/13 (TG). One to five **Fox Sparrow** were at CMN's feeders at Saybrook 11/1-13, and one to two **Pine Siskin** were there 11/8-14.

Westmoreland County

The season's only **Red-throated Loon** was reported at Derry L. 11/22 (DL). Unusually large, for here, was a flock of 125 **Double-crested Cormorant** at Beaver Run Res. 11/9 (DL). Seven **Oldsquaw** were at Derry 12/9 and 1 on 12/19 (DL). Four **Black Scoter** were at Derry 10/20 (KB) and 2 at Acme Dam 11/12 (M&EW); 2 **Surf Scoter** were in the Donegal area 10/20 (KB) and 1 at Delmont 11/10 (DL).

A flock of 40 **Turkey Vulture** over PNR 10/29 was exceptional (RM). Byerly saw a **N. Goshawk** at Delmont 10/25. A late **Yellow-billed Cuckoo** hit a building near PNR 11/5 (V. Cams). A very late adult ♂ **Ruby-throated Hummingbird** frequented a feeder near Irwin until 11/6 (RM, m.ob.); another female-plumaged hummingbird (species??) was last seen near Greensburg 11/9 (LC, RM). At PNR a **Magnolia Warbler** lingered until 10/13, and a late **Am. Redstart** was banded 10/29. A **C. Yellowthroat** was wintering near Ligonier, (RS, RM) where it was seen through the end of the year. A **Henslow's Sparrow** was banded at PNR 10/15 (RM, CL) B Rich reported a **Savannah Sparrow** on the Bushy Run CBC 12/21. Three **Snow Buntings** were seen (independently) by RCL and MEW at Donegal L. 11/12, and one was at Crabtree 12/21 (DL).

Wyoming County

A **Forster's Tern**, only the 2nd Co. record, was at South Eaton on 10/2 (WR). Could it be related in any way to Hurricane Fran?

Purple Finch were very scarce all year.

York County

The 13 **Pied-billed Grebe** on the CBC 12/21 was a new high count. The **Snowy Egret** at Brunners I. on 10/23 passes our previous late date by 7 days (AS). Since mid-1994 there has been a pair of **Mute Swan** somewhere in the Co. nearly all the time. Latest pair at Codorus SP (CSP) in Dec. The blue phase **Snow Goose** first reported at Long Arm Dam 5/4/92 is still there in company with the **Canada Geese**.

On 12/21, away from the Susquehanna R., 69 **Black Vulture** were seen, mostly together. The migration at Rocky Ridge hawk watch saw an average of **Sharp-shinned Hawk**, but none reported for Dec. **Rough-legged Hawk** were tallied 10/27 and 12/3; this sp. is not around here every year.

The CSP bluebird trails fledged 162 **E. Bluebird**, 195 **House Wren**, 270 **Tree Swallow**, and 36 **Carolina Chickadee**. The 100 bluebirds on our CBC in the same area were the lowest tally in several years. Karen Lippy writes: A bluebird which had used horsehair for nesting material had a young bird choke to death on a strand which was stuck in its throat. Adults seemed to abandon the nest, and after it was certain young were not being cared for, they were taken to a rehabilitator. **House Sparrow** still a big problem, killed adult bluebirds and took over many boxes. One bluebird nest had 8 eggs. A **House Wren** removed the young which hatched. Bat again used one box, indicating need for roost boxes. Total bluebirds fledged since 1984 is 2159."

A **Gray Catbird** at Pahagaco L. 12/21 was calling. Dick Humbert reported that a **Brown Thrasher** showed up at his feeder near Manchester 12/9. The 114 **White-crowned Sparrow** on the CBC was beyond expectations.

Brant Flight Weather Related Observations in Erie, Crawford, and Somerset Counties by Anthony Marich, Jr.

A band of precipitation spanning from Cleveland, Ohio, to New York City, N.Y., and extending from Canada to the southern United States with a line of heavier precipitation extending from Hagerstown, Md., to Syracuse, N.Y., where the low pressure was located, displaced Brant, *Branta bernicla*, from their southbound flight corridor, which extends in a direct line from southern James Bay to New York City.

This corridor bisected the low pressure center, whose counter-clockwise swirling winds moved Brant towards the Great Lakes. On 8 November 1996 two flocks of Brant with a combined total of about 500 birds flew west over Presque Isle between 1200 and 1300 h. in drizzle and light rain. These birds would not be reoriented until they cleared the precipitation sixty miles further west.

On 9 November the reoriented birds had moved inland. By morning 15 individuals were seen flying southbound along the east shore of Pymatuning Lake. Another 120 were seen flying east over Somerset County at 1000.

Observations at Presque Isle were by Tony Marich, at Pymatuning Lake by Jerry Bish, and in Somerset County by Jeff Payne.

*1 Rock Cabin Rd.
Markleton, 15551*

It might be difficult to assume the observed birds were all from the same original flock noted at Presque Isle. But nevertheless large numbers of Brant are seldom recorded in Pennsylvania except in bad weather. One would have to assume that there was an impressive number of Brant passing through the Commonwealth during that period of time. —eds.

Reporting Neck-collared Swans and Geese by Anthony Marich, Jr.

Observations of neck-collared swans and geese now can be reported to the U.S. Fish and Wildlife Service by calling toll-free **1-800-FARBAND** (1-800-327-2263). Be prepared to describe the collar color, the alpha-numeric code on it, color of the code digits, and any stripes on the collar.

A Certificate of Appreciation will be sent to anyone reporting a collar sighting. The certificate will include information on the bird sighted, including when and where banded, and the name and address of the person who banded it. Leg bands also can be reported by calling this toll-free number.

Seasonal Occurrence Tables - October through December 1996

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

HOW TO READ THE TABLES

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

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

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

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

CODES

The codes used in the tables are as follows:

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

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

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

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

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

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

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

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

() = Numbers in parentheses indicate high counts for the season.

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

sp. = Species unknown, such as Scaup.

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

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

EXAMPLES:

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

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

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

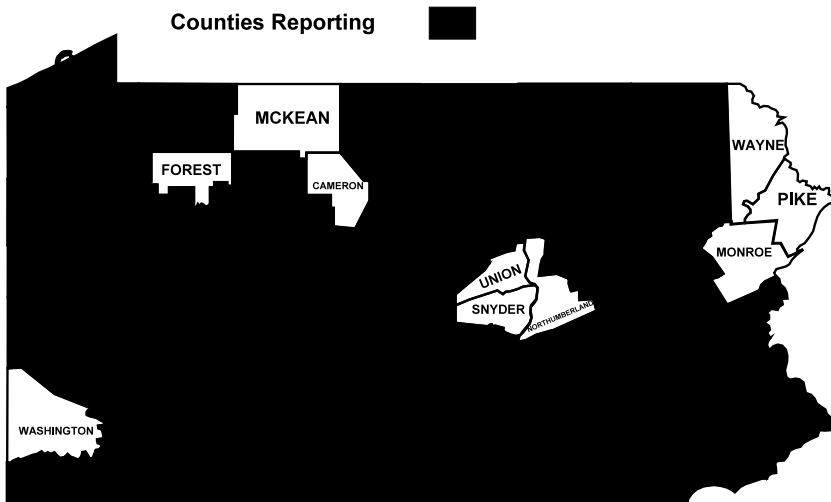
5/6- means the species was first seen on 5/6 and remained the rest of the quarter.

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

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

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

COUNTIES REPORTING - OCTOBER TO DECEMBER 1996



SEASONAL OCCURRENCE TABLES - OCTOBER THROUGH DECEMBER 1996

	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BUCKS	BUTLER	CAMBRIA
LOON, RED-THROATED	-	-	12/31	-	11/3	11/16-12/25	-	12/14-21	-	-
COMMON	-	-	10/29-11/23(39)→	-	-	11/2(8)-17	→10/2	A	11/2-23(24)-12/14	→12/5
GREBE, PIED-BILLED	-	12/28	→10/29(14)-12/31	11/10(2)	-	A-11/5(90H)	→10/2(7)	A	→10/27(30)-12/14	→10/31(28)-12/24
HORNED	-	-	10/29→	11/10(2)	-	11/9-28	10/2-11/3(12)	→12/18	→10/27(7)-12/21	10/20-23(12)-12/15
RED-NECKED	-	-	10/22	-	-	-	-	A	-	-
CORMORANT, DOUBLE-CRESTED	-	-	-	-	-	→10/3(210)-11/30	-	A	→11/2(35)-10	→10/20(13)-11/9
HERON, GREAT BLUE	R	R-12/16(9)	→11/5(9)-12/18	R	-	A-10/22(9915)	R	R	A-10/19(3L)	A
EGRET, GREAT	-	-	-	-	-	→10/1(4)-11/22L	→10/2	-	-	-
HERON, GREEN	-	-	-	-	-	→OCT	-	-	-	→10/8(2)
NIGHT-HERON, BLACK-CROWNED	-	-	-	-	-	11/1-5(263)→	10/31(50)-11/2	-	11/2-10(350)-12/21	10/31-12/27(38)
SWAN, TUNDRA	-	11/9(45)	-	11/10	-	R	-	11/1(13)	-	A
MUTE	-	-	-	-	-	10/14-12/25(4)→	-	A	-	-
GOOSE, SNOW	10/19(57)	-	12/1-16	12/21(92)	-	-	-	11/8(2)	-	-
BRANT	-	-	-	-	-	-	-	-	-	-
GOOSE, CANADA	R	R	R-11/23(540)	-	12/2(47)	-	R	R	R-11/2(170)	R
DUCK, WOOD	10/17(9)	R-10/31(9)	A-10/15(4)	→12/21(3)	→10/17(25)-22	→12/2(30)	R	R	→10/5(30)-11/2	→10/5(25)-29
TEAL, GREEN-WINGED	-	11/3-12/28	-	-	12/2	10/4(6)-12/29	-	10/6(9)	-	-
DUCK, AMERICAN BLACK	11/14(11)	R-12/16(9)	A-11/23(5)	11/10-12/21(8)	→12/2(20)	A	12/21	R	→11/10(6L)-12/21	10/23-11/29(15)-12/31
MALLARD	R	R	R-12/7(47)	-	12/2(90)	-	R	R	R-10/5(60)	R
PINTAIL, NORTHERN	11/14(5)	-	-	11/10	-	10/26(64)-12/15	-	10/27→	11/2	-
TEAL, BLUE-WINGED	-	-	-	-	11/3	→10/2(38)-4	-	→11/16	→11/2L	→10/20(15)-23
SHOVELER, NORTHERN	-	-	11/10(9)	-	-	→11/16(35)-12/2	-	12/23(4)	11/2(3)	-
GADWALL	-	10/31(3)	-	11/10(8)	11/3(6)	A-11/16(80)	-	10/22-12/21	11/2-12/14(16)-21	→10/20(3)
WIGEON, AMERICAN	11/7(7)	-	-	-	12/2(3)	A-11/16(70)	-	10/10-12/21	→11/10(76)-12/21	10/20(40)-31
CANVASBACK	-	12/5→	-	12/21	-	11/5-12/15(67H)-22	-	12/21-29	11/23-12/21(95H)-24	11/29
REDHEAD	-	-	-	-	-	10/20	-	-	10/27-11/10(10L)-12/24	-
DUCK, RING-NECKED	-	-	-	-	-	11/5-12/15(200)	11/39(12)	10/26→	10/26-11/10(380H)-12/24	→10/20(30)-12/13
SCAUP, GREATER	10/29-11/14(17)	-	11/11-23(3)-29	-	-	10/2-20(9)-12/2	-	12/18-21	12/21	12/14(4)
LESSER	-	-	-	-	-	-	-	10/26→	11/2-10(16L)-12/24	10/31-12/27
OLDSQUAW	-	12/13	-	-	-	-	-	12/19	12/14-21	11/22(15)
SCOTER, BLACK	-	-	-	-	-	11/9(4)	-	-	-	11/9(5)
SURF	-	-	-	-	-	10/19(10)	-	-	-	-
WHITE-WINGED	-	-	-	-	-	10/20	-	12/18(22)-19	-	-
GOLDENEYE, COMMON	-	12/26→	12/8(4)	-	-	11/17	-	11/2→	11/2-12/21(3)-24	12/14
BUFFLEHEAD	-	11/2→	11/11(8)-12/14	-	11/3	11/3-12/2(20)-23	11/3(6)	10/10(4)→	11/2-23(45)-12/24	10/29-11/6(100)-12/19
MERGANSER, HOODED	-	A	10/29-11/23(16)-12/29	12/21(2)	11/3	11/3-12/15(6)-22	-	10/3→	11/2-10(15)-12/24	11/4-19(80)-12/24
COMMON	-	12/28	-	-	-	11/17(20)→	-	R	-	12/15(6)
RED-BREASTED	-	-	-	12/21(3)	-	-	-	12/21(7)	10/27(12L)-12/14	11/29(5)-12/13
DUCK, RUDDY	R	10/31-11/9	11/11(3)	11/10	-	10/13-20(66)-11/9	-	10/10(5)→	→11/10(440H)-12/21	10/20(453)-11/15
VULTURE, BLACK	-	-	-	-	-	A-11/3(42)	-	R	-	-
TURKEY	R	→10/13(18)	-	→10/29	-	A-11/3(250)	→12/21	R	→11/2	→11/11
OSPREY	10/17	-	-	-	→11/10	A-11/3(15)-11/12	→10/1	R	→10/26	→11/11
EAGLE, BALD	-	-	12/21	-	11/6	→10/2(4)-12/20	10/28	A	R	-
HARRIER, NORTHERN	10/21-12/17	A	12/1	-	-	A-10/26(8)	-	A	P	A
HAWK, SHARP-SHINNED	R	R	R	-	11/16	A-10/14(614)	R	R	R	A
COOPER'S	-	-	-	-	10/8	A-10/14(91)	R	R	R	R
GOSHAWK, NORTHERN	-	-	-	-	11/2-12/18	10/4-11/2(4)-12/10	R	-	-	-
HAWK, RED-SHOULDERED	→10/17	R	R	-	-	→11/4(35)-12/15	R	A	12/21	-
BROAD-WINGED	-	-	-	→10/24	-	→10/7	→10/1	→10/5	-	-
RED-TAILED	R	R	R	R	R-10/25(5)	R-10/31(329)	R	R	R	R
ROUGH-LEGGED	-	-	-	-	-	11/26→	-	-	-	10/31→
EAGLE, GOLDEN	-	10/3	-	-	10/3	→10/28(14H)-12/9	10/28-11/3	11/11	-	-
KESTREL, AMERICAN	R	R	R	R	-	→10/14(19)-11/13	-	R	R	R
MERLIN	-	10/1-12/30	-	-	-	→10/1(7)-11/13	-	12/21-24	-	-
FALCON, PEREGRINE	-	R	-	-	-	-	-	10/27-12/21	-	-
BOBWHITE, NORTHERN	-	10/18(3)-31	-	-	-	-	-	R	-	-
COOT, AMERICAN	-	10/20(4)→	10/22-11/10(62)-29	11/3(9)-12/21	-	10/19-11/16(200)-12/22	→11/3(62)	A	→OCT(1200)-12/21	10/14-11/20(200)→

SEASONAL OCCURRENCE TABLES - OCTOBER THROUGH DECEMBER 1996

	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BUCKS	BUTLER	CAMBRIA
KILLDEER	R	→12/27(3)	→11/20(5)	-	-	R	→10/5	R	→10/26(15)-11/2	→10/5(10)-20
YELLOWLEGS, GREATER	-	11/9	-	-	-	→10/6(7)	-	→10/6	-	-
LESSER	-	-	-	-	-	→10/5(5)-20	-	→10/5	-	-
SANDPIPER, SPOTTED	-	-	-	-	-	→10/13	-	-	-	→11/11
PECTORAL	-	-	-	-	-	→10/5(3)-6	-	-	-	10/45(2)
DUNLIN	-	-	-	-	-	10/5	-	-	-	-
SNIPE, COMMON	11/7(3)	10/12	-	-	-	12/22(4)→	-	10/29	-	-
WOODCOCK, AMERICAN	-	-	-	11/10	11/3	-	→12/13	10/26-11/24	-	-
GULL, LAUGHING	-	-	-	-	-	10/19	-	10/20(3)-12/21	-	-
BONAPARTE'S	-	-	-	-	-	10/20-11/12(30)-17	-	12/23(3)	10/19-11/25(20)-12/21	11/22
RING-BILLED	-	A	A-11/20(11)	A-12/21(714)	-	A	-	A	→12/21(94)-24	A-11/11(80)
HERRING	-	R	-	11/3-12/21(4)	-	A	-	A	→12/21	11/9
GREAT BLACK-BACKED	-	-	-	-	-	12/3-15(7)	-	A	-	-
TERN, FORSTERS	-	-	-	-	-	10/19(3)	-	-	-	11/9(2)
OWL, BARN	R	-	-	-	-	R	R	R	-	-
BARRED	12/17-19(3)-31	→12/28	R	-	R	R	R	12/22-29	R	R
SHORT-EARED	-	10/10→	11/14→	-	-	-	-	12/29	12/21(2)	-
NORTHERN SAW-WHET	-	-	-	-	-	10/26	-	R	-	-
SWIFT, CHIMNEY	-	→10/1(60)-10	-	→10/89(10)	-	→10/6	→9/28	→10/19	→10/5(200)	→10/1(25)
HUMMINGBIRD, RUBY-THROATED	-	→10/1	-	-	-	-	→10/12	→10/17	-	→10/2
WOODPECKER, RED-HEADED	R-12/20(63H)	-	-	-	-	R	R	R	-	-
SAPSUCKER, YELLOW-BELLIED	10/6	10/1→	10/7	-	-	A	R	A	10/26	→10/17
FLICKER, NORTHERN	R	R	R	→10/4	→11/2	R	R	R	A	→10/17
WOOD-PEWEE, EASTERN	-	-	-	-	-	.107	-	R	A	R
PHOEBE, EASTERN	→10/5	→12/28(2)	-	-	-	A	A	→11/3	→10/5	→10/20(2)
LARK, HORNEED	-	R	-	-	-	11/17-12/14(500)→	R	-	12/21(88)	R-11/29(130)
SWALLOW, TREE	-	-	-	-	-	→10/6(700)-21	→10/2	→10/26	→11/2L	→11/9
BARN	-	-	-	-	-	→10/13	→10/2	-	→10/19L	→11/9
CROW, FISH	-	-	-	-	-	A	-	R	-	-
RAVEN, COMMON	-	-	-	-	-	11/2-23	R	R	-	R
CHICKADEE, BLACK-CAPPED	-	R	R	R	R	R	R	R	R	R
CAROLINA	R	R	-	-	-	R	-	R	-	R
NUTHATCH, RED-BREADED	-	A	12/21	12/2	12/2	12/22→	11/28→	12/21(6)→	12/21	11/22
CREEPER, BROWN	10/4	10/15→	R	1/2	-	A	R	R	10/5→	R
WREN, HOUSE	-	→10/16	-	-	-	-	R	→12/22	-	-
WINTER	-	A	10/22	-	-	A-10/12(13)	R	10/10→	10/5	-
MARSH	-	-	-	11/10	-	-	-	10/6-20	-	-
KINGLET, GOLDEN-CROWNED	P	10/20→	10/22-11/20(3)→	11/10(12)-12/21	10/13	10/6(7)→	R	10/12→	10/5→	A
RUBY-CROWNED	P	→11/9	10/22	11/10	10/6(5)	A-10/26(37)	10/18→	A	→10/5	10/10-23(3)
THRUSH, SWAINSON'S	-	-	-	-	-	→10/17	-	-	-	-
HERMIT	-	10/12→	-	-	-	A-10/12(11)	R	10/6→	-	→10/25(3)
WOOD	-	-	-	-	-	→10/11	-	→10/5	-	-
ROBIN, AMERICAN	R	R	R	-	R	R-10/28(931)	R	R	A-11/2(70)	R
CATBIRD, GRAY	-	→10/6	-	-	→10/5	A	→10/6	A	→11/2L	→10/5
THRASHER, BROWN	-	-	-	-	A	→10/26	→10/27L	→12/25	-	→11/15
PIPET, AMERICAN	-	11/10(2)	10/29	-	-	10/29-11/17(50)	-	10/22-11/3(50+)-16	-	-
SHRIKE, NORTHERN	-	-	-	-	-	10/31	-	-	-	-
VIREO, SOLITARY	→10/16(5)	→10/6	-	-	-	→10/6(10)-12/22L*	→10/27	→10/26	-	→10/23
RED-EYED	→10/11(3)	-	-	-	-	→10/4	-	→10/26	-	-
WARBLER, TENNESSEE	→10/1	-	-	-	-	→10/9	-	→10/6	-	-
ORANGE-CROWNED	-	10/15	-	-	-	-	-	10/9	-	-
NASHVILLE	-	→11/9L	-	-	-	→10/26	-	→10/13	-	-
PARULA, NORTHERN	10/1-4(3)	-	-	-	-	→10/6	→10/2	→10/26	-	→10/6
WARBLER, MAGNOLIA	10/5-6(2)	→10/6	-	-	-	→10/22	→10/25	→10/20	-	-
CAPE MAY	-	-	-	-	-	→10/5	-	10/2	-	-
BLACK-THROATED BLUE	10/1-4(9)-13	-	-	-	-	→10/4(5)-22	-	-	-	-
YELLOW-RUMPED	-	10/14→	10/22	-	→10/5(6)-14	A	A	-	→10/27(10)	10/5-17(70)-11/4

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	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BUCKS	BUTLER	CAMBRIA
BLACK-THROATED GREEN	→10/5(8)	→10/6	-	-	-	→10/1(5)-13	-	→10/6	-	-
BLACKBURNIAN	→10/5(3)	→10/6	-	-	-	→10/1	-	→10/5	-	-
PINE	-	→10/25	-	→10/3	11/3	→10/12(3)	→10/2	-	-	-
PALM	-	-	-	-	-	10/13-11/3	10/23	10/2-20	-	→10/5(2)
BLACKPOLL	→10/5(3)	-	-	-	-	→10/6(3)	-	-	-	-
BLACK-AND-WHITE	→10/5(3)	-	-	-	-	→12/22L	→10/2	→10/26	-	-
REDSTART, AMERICAN	→10/5(4)	-	-	-	-	→10/25	-	-	-	-
OVENBIRD	-	-	-	-	-	-	→10/2	-	-	-
YELLOWTHROAT, COMMON	-	→10/6(3)	-	-	-	A	→11/3	→11/23	→10/27	→10/1(5)
TANAGER, SCARLET	-	-	-	-	-	→10/9	-	→10/5(3)	-	-
GROSBK, ROSE-BREADED	-	-	-	-	-	→10/21	-	→10/5	-	-
BUNTING, INDIGO	-	-	-	-	-	→10/6	→10/2	→10/20	-	-
TOWHEE, EASTERN	P	A	R	→10/4	-	A	→12/2	A	11/23→	→10/23
SPARROW, AMERICAN TREE	-	11/24→	11/4-12/7(6)→	11/24→	10/17→	11/17→	11/11→	11/17→	11/23→	10/10-12/21(50)→
CHIPPING	-	→11/28	→12/20(3)	→12/21	→10/6(13)-11/7	→11/10(7)-24	→11/26	A	→10/5(25)-12/28L	→11/15
FIELD	-	A	A-10/22(3)	-	→10/6(7)	A	A	R	→11/23L	→10/23(5)
VESPER	-	→11/9	-	-	-	-	→10/2	10/27	-	→11/6
SAVANNAH	-	→10/13	-	-	-	A	→10/2(3)	R	-	-
FOX	10/20	11/10(3)	10/29	-	-	10/27-11/13(6)→	12/18→	10/13→	-	10/23-11/4(9)-25
LINCOLN'S	-	10/6	-	-	-	-	→12/28L	→10/26	10/11(2)	10/1(2)
SWAMP	-	10/6	R	11/17(3)	-	A	R	R	→12/21	R-10/5(20)
WHITE-THROATED	10/13→	A	10/22→	11/10(8)→	10/6→	A-11/23(990)	A	A	10/26→	10/4-11/2(200)→
WHITE-CROWNED	10/17→	10/15→	10/20-12/20	-	-	10/11→	10/2(6)→	10/6→	10/26-27(8)	10/10
JUNCO, DARK-EYED	10/8→	A-10/3(45)	10/19-12/7(24)→	-	10/16→	A	R	10/6→	10/26→	10/20-11/2(1000)→
LONGSPUR, LAPLAND	-	-	-	10/17→	-	-	-	-	-	11/28-29(2)
BUNTING, SNOW	-	-	-	-	-	11/5-27(12)	-	11/2-25	11/13(3)	11/9-29(50)
BLACKBIRD, RED-WINGED	A	→10/13(25)	-	-	-	A	→11/6(62)	R	→10/27(20)	→12/21
MEADOWLARK, EASTERN	R	-	-	→10/12	→12/26	A	A	R	P	→11/6
BLACKBIRD, RUSTY	-	-	-	-	-	10/13(5)-26	12/21	10/20-12/22	11/2(13)	10/5-17(60)-11/4
GRACKLE, COMMON	-	A	→10/21	→12/21(4)	→10/28(303)	A	→10/12(6)	R	→12/21	→10/31(3000)
COWBIRD, BROWN-HEADED	-	→10/17(6)	-	-	-	R	→10/6	R	→12/21(300)	→11/19(4)
ORIOLE, BALTIMORE	-	→11/22	-	-	-	→11/L	→10/6	→12/22L	-	-
FINCH, PURPLE	11/14→	10/27-11/11	-	11/12	10/24-11/1(3)-30	→11/10(15)→	R	R	12/21(2)	R
GROSBK, EVENING	-	-	-	-	-	11/5(5)	-	-	-	-

	CARBON	CENTRE	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	CUMBERLAND	DAUPHIN
LOON, RED-THROATED	-	10/19-11/26(4)-30	11/23	-	-	-	-	11/10	-	-
COMMON	11/24-12/22	10/20-11/26(5)	-	10/17-11/17	-	-	-	10/10-11/9(35)-12/22	10/27(100+)-11/9	11/3
GREBE, PIED-BILLED	11/28>	11/10	A	10/2-11/7(7)-9	10/24-29	11/22(3)	10/25(4)-11/14	>11/9(31)-12/28	10/20-12/21(63H)	10/17>
HORNED	-	11/10	-	11/1(3)-7	-	-	12/16(2)	10/27-11/9(10)-12/21	11/9	P
RED-NECKED	-	-	-	11/2(3)	-	-	-	12/14	-	-
CORMORANT, DOUBLE-CRESTED	-	>11/1(5)-17	10/15	>11/10	-	-	-	>10/6(179)-12/15	-	>11/2
HERON, GREAT BLUE	P	A	A	>11/10	-	-	R	R-12/7(6)	A	R
EGRET, GREAT	-	-	-	-	-	-	-	>10/6	>11/9	>10/20(3)
HERON, GREEN	-	-	-	-	-	-	-	-	-	>10/2
NIGHT-HERON, BLACK-CROWNED	-	-	10/15	-	-	-	-	-	-	>10/9
SWAN, TUNDRA	-	10/20-11/2(250)>	10/31(6)	11/3-18	10/29	12/28(2)	12/29(2)	11/2-12/22(90)-28	11/9(55)	10/31-11/2(32)-12/21
MUTE	-	-	-	11/8(2)	-	-	-	R	-	-
GOOSE, SNOW	-	11/9(8)-10	10/19(39)	12/1-12(3)	-	-	10/3-DEC	10/20-12/22(14)	-	12/8-21
BRANT	-	-	11/15	-	-	-	-	11/9(15)*	-	-
GOOSE, CANADA	R	-	R	R-12/1(300+)	10/24-29	R-12/28(185)	R-10/29(700)	R-12/22(11992)	R	R
DUCK, WOOD	-	>11/2	>10/31(5)	>10/4(13)-27	10/29	>11/9(3)	R-10/9(15)	>12/22(7)	>12/21(2)	>12/27
TEAL, GREEN-WINGED	-	P	-	-	-	11/13(3)	10/20-28(14)	>11/9(17)-12/22	A	A
DUCK, AMERICAN BLACK	P	P	10/18-30	11/12	10/24	R	R-10/24(15)	R-12/22(127)	A	R-12/26(40)

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	CARBON	CENTRE	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	CUMBERLAND	DAUPHIN
MALLARD	R	R	R	R	10/24-29	R	R-10/20(200+)	R-11/16(2654)	R	R
PINTAIL, NORTHERN	-	-	-	-	-	-	10/24	-12/28	P	P
TEAL, BLUE-WINGED	-	-	-	10/13	-	-	-	-10/5	-	P
SHOVELER, NORTHERN	-	-	-	-	-	-	-	-11/10(25)	P	P
GADWALL	-	-	-	12/15	-	-	-	A-10/27(70)	P	10/7-12/28(16)→
WIGEON, AMERICAN	-	11/1(2)	-	12/15	-	-	10/8(9)-12/18	-10/27(180)-12/15	A	11/2-12/16(10)→
CANVASBACK	-	11/26	-	12/15	10/29	-	-	11/2-12/28(7)	P	P
REDHEAD	-	12/19(10)	-	10/20-30(6)	-	-	11/2-13	11/3(50)-12/22	10/26→	-
DUCK, RING-NECKED	-	11/16	10/31(7)→	11/2(12)-12/15	10/24-29	-	11/1-11(17)-12/18	10/20-11/10(600)-11/16	P	P
SCAUP, GREATER	-	12/14-19(14)	-	10/27-12/15(6)	10/29	-	-	11/9-10	10/27(2)	-
LESSER	-	10/20-12/1(4916)	-	-	-	-	-	10/14-11/3(122)-12/22	P	10/9
OLDSQUAW	-	12/14-19	-	-	-	-	-	10/19(2)	-	-
SCOTER, BLACK	-	11/9(23)	-	-	-	-	-	-	-	-
SURF	-	11/9-12/14	-	-	-	-	-	-	-	-
WHITE-WINGED	-	12/19(4)	-	-	-	-	-	12/22	-	-
GOLDENEYE, COMMON	11/24-12/22	12/14(93)-19	-	-	-	11/27-12/28(12)→	-	11/2-12/7(450)-29	10/27(3)→	12/16→
BUFFLEHEAD	11/24-12/7	11/16-12/19(7)	-	11/2(12)-11	10/24-29	11/9-12/28(6)→	11/11(3)-17	11/2-9(50)-12/28	A	11/2(25)→
MERGANSER, HOODED	11/28→	11/16(5)→	-	10/13(3)	10/24-11/25	11/13-12/28(3)→	-	A-11/23(3700)	A	10/9→
COMMON	P	11/16(5)→	-	-	-	R-12/27(8)	R	10/20-11/10(60)-12/29	10/26→	A
RED-BREASTED	-	11/9(2)→	-	-	-	-	-	10/27-11/10(127)-12/22	P	P
DUCK, RUDDY	11/24-12/7	10/20(11)-11/16	10/16→	10/18-20(10)-11/10	-	-	10/22-25(10)	-	-	10/27-11/9
VULTURE, BLACK	-	→11/1(10)	R	-	-	-	-	A-11/9(55)	-	→10/14(13)-12/5
TURKEY	-	→NOV	R	→10/12(7)	-	R	P	-	A	R
OSPREY	-	10/26	10/26	10/30-11/10	-	P	→10/28	-	P	P
EAGLE, BALD	-	10/31-11/26	10/17	11/9-12/7	-	-	-	→10/6	P	P
HARRIER, NORTHERN	12/7	-	10/18-19	R	-	P	A	R-11/17(9)	P	A
HAWK, SHARP-SHINNED	A	R	A	R	-	R	R	R	A	R
COOPER'S	A	R	10/16→	R	-	R	R	R	R	R-10/14(136)
GOSHAWK, NORTHERN	P	R	-	-	-	-	-	-	P	A-11/6(2)
HAWK, RED-SHOULDERED	P	-	-	-	-	-	-	-	P	R-11/3(11)
BROAD-WINGED	-	→10/3	-	→10/23L	-	-	-	-	-	-
RED-TAILED	R	R	R	R	R	R	R	R-12/22(26)	R	R-11/2(89)
ROUGH-LEGGED	-	11/26→	-	10/13→	-	11/22→	12/2→	11/3→	-	P
EAGLE, GOLDEN	-	10/28(23)	-	-	-	-	-	-	P	10/14-11/11
KESTREL, AMERICAN	R	R	R	R	R	R	R	R-12/22(6)	R	R
MERLIN	-	-	10/15	10/25	-	-	-	10/9	P	P
FALCON, PEREGRINE	-	-	-	-	-	11/11	-	→12/14	P	-
BOBWHITE, NORTHERN	-	-	R	-	-	-	-	-	-	-
COOT, AMERICAN	-	10/20-11/10	10/31(8)→	10/25-11/7(10)	10/24-29	12/28	10/20-25(8)	A-11/8(513)	A	10/17→
PLOVER, BLACK-BELLIED	-	-	-	10/3	-	-	-	→10/20(20)-28	-	-
KILLDEER	-	→12/23	R	→10/12	-	→11/12(35)	→10/28912)	→11/8(50)-24	A	A
YELLOWLEGS, GREATER	-	-	-	-	-	11/4-9	-	→11/10(8)	→10/24(2)	-
LESSER	-	-	-	-	-	-	-	→10/27(6)-11/10	→10/3	10/9
SANDPIPER, SPOTTED	-	-	-	-	-	-	-	-	-	→OCT
PECTORAL	-	-	-	-	-	11/6(2)-9	-	-	-	10/11(2)
DUNLIN	-	10/12(4)	-	-	-	-	-	-	-	-
SNIPE, COMMON	-	-	-	-	-	-	-	→11/10(155)-16	-	-
WOODCOCK, AMERICAN	-	-	-	→11/1	-	-	-	→10/21(5)-11/16	-	-
GULL, LAUGHING	-	12/14(2)	-	-	-	-	-	11/3	-	P
BONAPARTE'S	-	-	-	-	-	-	-	-	-	-
RING-BILLED	A	A	-	-	-	A-11/20(103)	11/27(250)-12/22	11/2-17(65)-12/22	A	-
HERRING	-	11/17(2)	-	-	-	12/28	A-11/23(3676)	A-11/10(90)	A	A
GREAT BLACK-BACKED	-	-	-	-	-	-	-	-	A	A
OWL, BARN	-	-	-	-	-	-	-	-	A	A
BARRED	-	-	-	-	-	-	-	-	-	R
LONG-EARED	-	R	12/18	R	-	R	R	-	R	R
SHORT-EARED	-	-	12/18	10/25-11/9(5)→*	-	-	-	-	11/16→	P

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	CARBON	CENTRE	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	CUMBERLAND	DAUPHIN
NORTHERN SAW-WHET	-	R	6/12/11	10/8-12/28	-	-	-	-	-	12/27
NIGHTHAWK, COMMON	-	-	→10/15	-	-	-	-	-	-	→10/9
SWIFT, CHIMNEY	-	→10/5	-	-	-	-	-	-	-	→10/7
HUMMINGBIRD, RUBY-THROATED	-	→10/1	-	→10/31L	-	-	-	-	-	→10/5
WOODPECKER, RED-HEADED	-	A	-	-	-	-	-	R	R	P
SAPSUCKER, YELLOW-BELLIED	-	10/2→	-	-	-	-	-	R	11/16→	10/4→
FLICKER, NORTHERN	R	R	R	R	R	R-12/28(9)	R	R	R	R
WOOD-PEWEE, EASTERN	-	→10/7	-	-	-	-	-	-	-	-
PHOEBE, EASTERN	→12/7	→10/20	→11/3	→10/13	→10/24	-	→11/9	→12/15	→11/9	→12/27L
LARK, HORNED	-	A	→OCT	R-11/4(3)	-	A-12/6(100+)	R-12/22(285)	→10/6(3)	-	→10/11
SWALLOW, TREE	-	-	-	-	-	-	-	-	-	-
CROW, FISH	R	A-12/22(75)	-	-	-	-	11/18	-	R	R
RAVEN, COMMON	-	R	-	10/12-12/2	R	R	-	-	R	R
CHICKADEE, BLACK-CAPPED	R	R	10/16(2)	R	R	R	R	R	R	R
CAROLINA	-	R	-	-	-	-	-	R	R	R
NUTHATCH, RED-BREASTED	-	R	-	R-10/12(6)	-	-	12/22(7)	12/22(9)	R	A
CREEPER, BROWN	11/24	R	11/16→	R	10/24	R	12/22(9)	-	R	R
WREN, HOUSE	-	→10/13	-	-	-	-	-	-	-	→10/11
WINTER	-	R	11/13	10/22	-	R	R	10/26→	A	A
MARSH	-	-	10/26*	-	-	-	-	-	-	-
KINGLET, GOLDEN-CROWNED	12/7(3)	-	10/27→	A-10/12(12)	10/24	A	A	A	R	A
RUBY-CROWNED	-	-	10/16	10/12(4)	-	-	10/20(4)	12/22(2)	A	A
THRUSH, SWAINSONS	-	-	-	-	-	-	-	-	-	10/6-27
HERMIT	-	-	-	10/12	10/24	-	A	12/22	R	R
WOOD	-	-	→10/3	-	-	-	-	-	-	→OCT
ROBIN, AMERICAN	R	R	R	R-10/26(100+)	→11/12	R	R	A-12/22(24)	R	R
CATBIRD, GRAY	-	-	-	→10/11(6)	-	-	-	→11/5	→12/21	→12/27L
THRASHER, BROWN	-	-	-	-	-	-	A	-	-	→10/7
PIPET, AMERICAN	-	10/7(2)	OCT	10/20(25#)	-	11/11(4)	-	→11/5(50)	→11/7(4)	-
SHRIKE, NORTHERN	-	-	-	12/28(2)-29	-	-	-	11/28-12/31	-	-
VIREO, SOLITARY	11/24	-	-	→10/12(3)	-	-	→10/23	→10/24	→10/26	→10/27
RED-EYED	-	→10/13(3)	-	-	-	-	-	-	→10/26	→10/7
WARBLER, ORANGE-CROWNED	-	→10/5	-	-	-	-	-	-	-	-
NASHVILLE	-	10/4-12	-	10/5	-	-	-	-	→10/7	-
MAGNOLIA	-	→10/7	-	-	-	-	-	-	→10/7	→10/17
CAPE MAY	-	-	-	-	-	-	-	-	→10/7	-
BLACK-THROATED BLUE	-	-	-	-	-	-	-	-	→10/5	→10/13
YELLOW-RUMPED	-	P	-	→10/12(3)-18	-	-	→10/12(4)-11/11	10/20(12)-12/7	A	A
BLACK-THROATED GREEN	-	→10/20	-	→10/15L	-	-	→10/28	-	→10/7	→10/6
BLACKBURNIAN	-	-	-	-	-	-	-	-	-	→10/4
PALM	-	-	10/26-30	10/12	-	-	11/3	-	-	-
BLACKPOLL	-	→10/1(20)-7	-	-	-	-	-	-	-	10/4
REDSTART, AMERICAN	-	→10/5	-	-	-	-	-	-	-	→12/27L
YELLOWTHROAT, COMMON	-	→10/3	→11/3	-	-	-	→10/21	-	→12/14	→10/4
TANAGER, SCARLET	-	→10/1	-	-	-	-	-	-	-	-
BUNTING, INDIGO	-	-	-	→10/7	-	-	-	-	-	-
TOWHEE, EASTERN	-	→12/22(3)	A	-	-	-	A-10/28(8)	R	A	A
SPARROW, AMERICAN TREE	11/24(9)→	NOV→	-	11/16-24(8)→	-	11/24→	10/2-11/24(50+)	12/22(482)→	11/13→	11/16→
CHIPPING	-	→12/22(3)	→11/10	→10/12(16)-11/12L	-	-	→10/26(40+)-11/18	→11/13	→11/3	→10/18
FIELD	-	→12/22	R	→11/24L	-	A	→10/23	R	A	12/27
VESPER	-	-	-	→11/4	-	-	-	R	→10/18	→OCT
SAVANNAH	-	-	→10/19(5)	-	-	-	-	-	-	-
FOX	12/7(3)	P	11/3-10	11/8-13	-	-	11/10(24)-18	-	11/9-16	11/14-12/27
LINCOLNS	-	10/5-13	10/18	→10/11(2)	-	-	-	-	-	-
SWAMP	-	A	R	→10/12(3)	-	R	A	12/22(11)	R	A
WHITE-THROATED	R	A	10/15→	10/7-12(21)→	10/24	A	A	R	A	A
WHITE-CROWNED	-	P	10/25→	10/7-18	-	-	10/7(3)→	11/8(2)	10/27→	10/18→

SEASONAL OCCURRENCE TABLES - OCTOBER THROUGH DECEMBER 1996

	CARBON	CENTRE	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CRAWFORD	CUMBERLAND	DAUPHIN
JUNCO, DARK-EYED	A-11/24(22)	R	10/26→	R-11/14(25)	A	R	R	12/22(194)	A	10/6→
LONGSPUR, LAPLAND	-	-	-	11/26-12/28(4)	-	-	-	-	-	-
BUNTING, SNOW	-	11/26-30(25)	-	11/26(16)	-	12/20(8)	-	11/16(50)-12/28	-	P
BLACKBIRD, RED-WINGED	-	P	P	R-11/1(3000H)	-	-	-	R-12/22(37)	A	→12/27
MEADOWLARK, EASTERN	-	→12/22	-	→11/16L	-	-	→10/6(3)	R-11/8(3)	A	→12/8(6)
BLACKBIRD, RUSTY	-	12/22(3)	10/16-30	10/29-11/4(26)	-	-	-	10/20-11/10(35)-12/28	10/16(8)-12/14	11/10(30)
GRACKLE, COMMON	-	P	R	→11/15	-	-	-	R-10/19(150)	A	→11/11
COWBIRD, BROWN-HEADED	-	P	R	-	-	-	R	R	A	R
ORIOLE, BALTIMORE	-	P	R	-	-	-	→10/6(3)	-	A	R
FINCH, PURPLE	-	P	11/10→	R-11/13(5)	-	R	11/20→	-	11/28→	10/11→
SISKIN, PINE	-	11/3	-	-	-	12/28	11/30	12/22(3)	10/27(5)	P
GROSBEAK, EVENING	-	11/23-12/22(20)	-	-	-	-	-	-	-	-
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	DELAWARE	ELK	ERIE	FRANKLIN	FULTON	GREENE	HUNTINGDON	INDIANA	JEFFERSON	JUNIATA
LOON, RED-THROATED	-	-	10/20-11/2(4)-12/8	-	-	-	11/3	11/22(4)-12/4	-	-
COMMON	11/1(7)-12/21	12/29(2)	A-11/1(141)	-	10/22-25(29)-11/22	-	10/11-11/12(150)-13	→11/22(700+)-12/28	10/12-11/16	-
GREBE, PIED-BILLED	10/8-19(4)→	-	A	10/2-23	→10/18(6)-11/20	-	A	→11/5(73)-26	10/19(9)-11/16	-
HORNED	10/20-11/1(5)→	-	10/8-11/10(100+)→	-	P	-	-	10/28-12/4(8)-29	10/26-27(2)	-
RED-NECKED	-	-	11/21	-	-	-	-	-	11/14	-
CORMORANT, DOUBLE-CRESTED	A	R	A	A	11/6	R	A	→11/9(86)-23	10/27(3)-11/16	A
HERON, GREAT BLUE	R	R	R	A	A	R	A	A-10/8(4)	→11/14	P
EGRET, GREAT	→10/14	-	-	→10/5	A	-	→10/21(2)	-	-	P
HERON, GREEN	-	-	-	-	-	-	→10/6	-	-	P
NIGHT-HERON, BLACK-CROWNED	-	-	-	-	-	-	-	11/3	-	-
SWAN, TUNDRA	11/24(47)-12/23	10/30-11/2(140)-11	11/2(800+)→	-	10/29(34)-11/20	-	10/31-11/2(600)-13	10/20-11/2(450)→	11/14-16(26)-27	P
MUTE	12/12	-	11/10(2)	-	-	-	-	-	-	-
GOOSE, SNOW	10/12(3)-12/21	11/13(2)	11/15-12/26	10/28-29*	11/1(80+)	-	11/2-12(70)-12/16	-	11/7(2)	-
BRANT	11/10	-	11/2-8(500H)-10	-	-	-	-	-	-	-
GOOSE, CANADA	R	R	R	R	R-11/20(135)	R	R	R-11/19(503)	10/26-27(128)-12/29	R
DUCK, WOOD	→10/25(11)-12/21	→10/1	A	-	A	-	→10/6	→10/5(21)-11/5	→10/27	P
TEAL, GREEN-WINGED	A-10/19(15)	-	→11/2(46)-NOV	10/12-12/21(10)→	→11/1	-	-	10/5-11/2(7)-5	-	-
DUCK, AMERICAN BLACK	R	-	A	-	-	-	-	→12/28(4)	-	A
MALLARD	R	R	R	R	R	R	R	R-12/23(188)	11/16	R
PINTAIL, NORTHERN	10/1-22(200+)→	-	A-12/31(6)	12/21(4)	-	-	-	-	-	-
TEAL, BLUE-WINGED	10/14	-	→10/17	→10/3	-	-	-	→10/20(12)	-	-
SHOVELER, NORTHERN	10/31(4)-12/21	-	-	-	10/4	-	-	10/19-11/1(29)→	11/16	-
GADWALL	10/20(18)-12/21	-	A	-	10/21(2)	-	-	→10/20(188)-12/7	-	-
WIGEON, AMERICAN	10/19-20(14)	-	→12/7	10/12-28(5)-11/10	-	-	-	11/5→	-	-
CANVASBACK	-	-	A-10/19(3)	-	-	-	-	-	-	-
REDHEAD	-	-	10/31-12/26(250)→	-	-	-	-	10/27-11/10(6)-12/7	-	-
DUCK, RING-NECKED	10/26(39)-12/21	-	10/20(3)→	10/29-12/21(3)	-	-	12/19	10/20-11/13(35)→	11/14	-
SCAUP, GREATER	11/24	-	10/8-12/8(109)→	-	-	-	-	11/9(7)-12/23	-	-
LESSER	10/19-29(6)-12/21	-	A-11/2(904)	-	-	-	-	10/20(101)-11/20	-	-
OLDSQUAW	-	-	10/19-12/5(30)→	-	-	-	-	11/9-23	11/14(9)	-
SCOTER, BLACK	-	-	11/2-9(19)-22	11/14(36)*	-	-	-	10/29-11/9(5)	-	-
SURF	10/19	-	10/20(6)-12/5	-	-	-	-	10/12	-	-
WHITE-WINGED	-	-	10/19-11/2(16)-12/8	-	-	-	-	-	-	-
GOLDENEYE, COMMON	11/1-12/22(3)→	-	A	-	→11/13(24)	-	12/19→	11/9-11	-	10/30→
BUFFLEHEAD	10/25-11/1(8)→	11/12(3)-22	10/17→	11/14(9)	-	-	P	10/20-11/9(44)-12/26	11/14-16	10/30→
MERGANSER, HOODED	11/4-7(13)→	-	P	11/14(8)	-	-	11/13	11/2-12(20)→	-	-

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	DELAWARE	ELK	ERIE	FRANKLIN	FULTON	GREENE	HUNTINGDON	INDIANA	JEFFERSON	JUNIATA
COMMON	11/6-12/5(13)→	→10/1(112H)	A-12/27(75)	-	-	-	-	11/9-22(3)	-	A
RED-BREASTED	-	-	A-11/3(1600+)	-	-	-	-	11/19-12/31	-	-
DUCK, RUDDY	10/6-25(40)→	-	10/31-11/10(40)	10/10-25(6)-11/14	11/13-15(4)	-	12/19(7)	10/12-20(511)-12/29	10/19(4)	-
VULTURE, BLACK	R-12/21(12)→	-	-	-	R	-	A-12/16(25)	→11/2(20)	→10/13	A
TURKEY	-	→10/13(21)	-	-	→11/3	-	→10/26(43)-12/22	→10/5(2)-22	-	A
OSPREY	→11/7	10/16	-	→10/2	→10/13	-	→10/13	-	-	P
EAGLE, BALD	10/19-11/18	-	10/29-12/19	-	→11/29(3)	-	A	12/22	-	P
HARRIER, NORTHERN	10/30-12/21(3)	-	P	A	→11/29	-	→10/26(10)-12/15	A	10/12	A
HAWK, SHARP-SHINNED	A	R	R	A	R-10/10(101)	R	R-10/10(101)	R	R	R
COOPER'S	-	R	R	A	R	R	R-10/10(9)	R	A	R
GOSHAWK, NORTHERN	-	R	R	P	10/17-11/19	-	R	-	-	R
HAWK, RED-SHOULDERED	10/12	R	-	-	→11/29	-	R-11/13(5)	R	-	P
BROAD-WINGED	-	-	-	→12/21L*	-	-	→10/3	→10/1	-	-
RED-TAILED	R	-	R	R	R-11/1(49)	R	R	R-10/1(8)	R	R
ROUGH-LEGGED	-	-	-	-	11/15→	-	10/31→	11/21	-	12/21
EAGLE, GOLDEN	-	-	-	-	→11/1(5)29	-	10/10-28(25)-11/27	-	-	-
KESTREL, AMERICAN	R	→10/1	R	R	R	R	→10/11(3)-11/3	R	-	R
MERLIN	10/8-12/21	-	10/25(3)-27	-	→10/13(2)	-	→10/10(6)-11	-	-	-
FALCON, PEREGRINE	R	-	10/25(3)-27	-	→11/3	-	-	-	-	-
BOBWHITE, NORTHERN	-	R	-	R	R	-	-	-	-	-
COOT, AMERICAN	10/20-11/1(40)→	-	A-11/2(4000+)	10/21-11/25(7)→	-	-	-	A-11/1(1012)	10/27	-
PLOVER, BLACK-BELLIED	10/1(6)	-	→11/4(3)	-	-	-	-	→10/1(25)-11/20	-	10/21(2)
KILLDEER	R	→10/17	→NOV	R	A	-	A	→10/3	-	A
YELLOWLEGS, GREATER	→10/31(4)	-	-	→10/15	-	-	10/17	-	-	-
LESSER	→10/1(12)-31	-	-	→10/21	-	-	-	-	-	-
SANDPIPER, SPOTTED	-	-	-	→10/15	→10/13	-	-	→10/1	-	-
PECTORAL	→10/14(33)	-	-	11/9-10	-	-	-	-	-	10/21(2)
DUNLIN	10/14(2)	-	→11/2(700H*)-12/15	10/14-11/10	-	-	-	→10/15(3)-11/13	-	-
SNIPE, COMMON	-	-	-	10/14-12/31(10)→	-	-	-	12/11	-	A
GULL, LAUGHING	11/21-12/21	-	→10/10	-	-	-	-	→10/26	-	→11/2
WOODCOCK, AMERICAN	→10/8(174)-20	-	-	-	-	-	-	-	-	-
BONAPARTE'S	10/29-30(4)-12/21	-	A	-	-	-	-	10/19-11/22(30)	-	-
RING-BILLED	A	-	A	A	11/15	-	A	A-11/20(285)	-	A
HERRING	A	-	A	-	-	-	-	12/31	-	A
GREAT BLACK-BACKED	A	-	A	-	-	-	-	-	-	P
TERN, FORSTER'S	→11/1(10)	-	10/19-27	-	-	-	-	-	-	-
OWL, BARN	R	R	-	R	R	R	R	-	R	R
BARRED	-	R	R	R	R	R	R	-	R	R
LONG-EARED	-	-	11/28	-	-	-	-	-	-	-
SHORT-EARED	-	-	10/27	-	-	-	-	-	11/7-14	-
NORTHERN SAW-WHET	-	R	11/30	-	-	-	-	-	-	10/10-12
NIGHTHAWK, COMMON	→10/19	-	-	-	-	-	-	-	-	-
SWIFT, CHIMNEY	→10/21	-	→10/8	-	-	→10/1(40+)	→10/4	-	-	-
HUMMINGBIRD, RUBY-THROATED	-	-	→OCT	-	→10/2	-	-	→10/9	-	P
WOODPECKER, RED-HEADED	-	-	R	R	-	-	-	-	-	-
SAPSUCKER, YELLOW-BELLIED	A	-	-	10/5	-	-	10/6→	10/8-12/26	-	P
Flicker, Northern	R	-	R	R	A	R	R	R-10/8(7)	A	R
PHOEBE, EASTERN	→10/12(10)-24	→10/1	→11/14	A	→10/7	-	→10/2	→10/28	-	A
LARK, HORNED	-	R	P	A	-	-	12/22(180)	-	-	R
SWALLOW, TREE	→10/7(12)-20	-	-	→10/12(7)	-	-	→10/10(20)	→10/22(16)	-	P
BARN	-	-	-	-	-	-	-	-	-	P
CROW, FISH	-	-	-	A	-	-	P	-	-	R
RAVEN, COMMON	-	R	-	R	R	A-10/22(2)	R	R	R	R
CHICKADEE, BLACK-CAPPED	12/21(2)	R	R	R	R	-	R	R-11/19(26)	R-10/13(23)	R
CAROLINA	R	-	-	R	-	R	-	-	-	-
NUTHATCH, RED-BREASTED	12/21(3)	R	A	-	-	-	R	R	10/13(3)→	R
CREEPER, BROWN	10/14→	R	R	A	A	-	-	10/13-12/22	10/13-12/22	R

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	DELAWARE	ELK	ERIE	FRANKLIN	FULTON	GREENE	HUNTINGDON	INDIANA	JEFFERSON	JUNIATA
WREN HOUSE	→12/21	-	→10/3	-	-	-	-	-	-	-
WINTER	A-12/21(4)	R	A	-	P	10/26	R	→12/26(4)	10/13→	A
MARSH	12/21	-	-	-	-	-	-	-	-	-
KINGLET, GOLDEN-CROWNED	10/6-26(12)→	-	A	A	A	-	10/6→	10/7-29(6)→	10/13→	R
RUBY-CROWNED	→10/29	→10/7(6)	→10/8	-	→10/13(8)-18	10/10	10/25→	→11/7	→10/13(4)	A
THRUSH, SWAINSONS	-	-	→10/3	-	-	-	-	-	-	-
HERMIT	10/13→	-	P	-	-	-	R	R-10/19(3)	10/13(5)→	A
WOOD	-	-	-	-	-	-	-	→10/1	-	P
ROBIN, AMERICAN	R	R	R	R	→10/13(26)	R	R-11/9(320)	R-10/22(163)	→10/13(4)	R
CATBIRD, GRAY	A	→10/7	P	-	-	-	-	A-10/1(4)	-	-
THRASHER, BROWN	-	-	-	→12/21L*	-	-	-	-	-	-
PIPET, AMERICAN	61/06-25(3)-12/5	-	→11/10	10/22-11/6(2)	→11/1	-	→10/17	10/1-20(30)-11/12	→10/13	P
VIREO, SOLITARY	→10/26	-	-	-	-	-	-	→10/21	-	→10/27
RED-EYED	→10/14	-	→10/8	-	-	-	-	→10/2	-	P
WARBLER, TENNESSEE	→10/2	-	-	-	-	-	-	→10/2	-	→10/27
ORANGE-CROWNED	11/29	-	10/5	-	-	-	-	-	-	10/27
NASHVILLE	→10/6	10/7	→10/4(4)	-	→10/18	-	-	→11/29	-	-
PARULA, NORTHERN	→10/12	-	-	-	-	-	-	-	-	-
WARBLER, MAGNOLIA	→10/12	-	-	-	→10/13	-	-	→11/14	-	-
CAPE MAY	10/12	-	-	-	-	-	-	→10/1	→10/13	-
BLACK-THROATED BLUE	→10/4	-	-	-	→10/13	-	-	-	-	-
YELLOW-RUMPED	→12/1	→10/16(3)-11/5	A	-	→10/18(5)	-	10/3-12/22(3)→	→10/15(11)-12/22	A-10/13(21)	A
BLACK-THROATED GREEN	→10/2(5)-14	→10/7	→10/3(10)	-	-	-	→10/3	→10/19	→10/13	→10/27
BLACKBURNIAN	→10/1	-	-	-	-	-	-	-	-	-
PINE	→10/2	-	-	-	→10/13(3)	-	→10/4	→12/26	-	→11/29
PALM	→10/7(12)-26	→10/1	→10/3	-	→10/18	-	-	-	-	P
BLACKPOLL	-	-	-	-	→10/16	-	10/6	→10/2	-	-
BLACK-AND-WHITE	→10/2(4)-6	-	-	-	-	-	-	-	-	-
RESTART, AMERICAN	→10/1(3)	-	-	-	-	-	-	-	-	P
OVENBIRD	-	-	-	-	-	-	-	-	-	P
YELLOWTHROAT, COMMON	A	-	P	-	-	-	-	→10/8	-	P
TANAGER, SCARLET	→10/2	-	-	-	-	-	-	→10/30	-	-
GROSBEAK, ROSE-BREADED	→11/9	-	-	-	-	-	-	→10/1	-	-
BUNTING, INDIGO	→10/20	-	-	-	-	-	-	-	-	P
TOWHEE, EASTERN	R	A*	R	R	→10/16	-	A	A	A	A
SPARROW, AMERICAN TREE	12/21(15)→	11/13→	11/3→	P	-	-	11/14→	11/9-19(25)→	12/29(25)→	12/22L(6)→
CHIPPING	→10/13(10)-12/21	→10/1(12)-11/5	P	→11/30	→NOV(2)	-	→11/8	→11/21	→10/13	→10/13(6)
FIELD	R	-	P	R	R	R	R	A	A	A
VESPER	-	-	-	-	-	-	-	-	-	→10/13(6)
SAVANNAH	→10/22(100+)-12/21	-	-	→10/30(6)	-	-	-	-	-	→10/13(10)
FOX	11/18(4)→	11/2-16	→NOV	-	→11/1(2)	-	11/9-16	10/22-11/5(3)-23	-	10/13(2)
LINCOLNS	10/7-12/5	-	-	-	-	-	-	-	-	10/13(4)
SWAMP	R	-	P	-	-	-	10/6	R	A	→10/13
WHITE-THROATED	A	A	A	10/13→	10/13(8)→	10/7→	10/6-12/22(63)→	A-10/22(37)	10/13-11/27(11)→	10/6(12)→
WHITE-CROWNED	10/11-14(14)→	10/7-12	P	P	10/16→	10/18→	12/22	10/5-22(6)-29	-	10/13(2)→
JUNCO, DARK-EYED	10/18-12/7(50)→	R-11/5(42)	R	A	10/13→	10/11→	R-12/22(700)	A-11/2(33)	A	10/10(10)→
LONGSPUR, LAPLAND	-	-	12/5-10	12/8-21(2)→*	-	-	-	-	-	-
BUNTING, SNOW	12/21(2)	-	11/2-12/5(100+)→	12/22*	-	-	-	-	-	-
BLACKBIRD, RED-WINGED	R	-	P	A	10/17(350+)	→11/7	A	→10/1(817)-12/26	→10/13(60)-27	P
MEADOWLARK, EASTERN	10/31	-	→11/17	A	R	→11/6(6)-12/12	→10/3(3)	→10/27	-	A
BLACKBIRD, RUSTY	10/31-12/21	-	11/10	-	-	→10/16(300+)	10/6(5)→	10/21-11/5(79)-12/26	10/27(44)	10/13(4)
GRACKLE, COMMON	R	-	P	A	P	-	→11/16	→10/12(850)-12/29	-	A
COWBIRD, BROWN-HEADED	R	-	P	A	P	-	-	→11/28(5)-12/26	-	A
ORIOLE, BALTIMORE	→12/21L*	-	-	-	-	-	-	-	-	P
FINCH, PURPLE	10/26-11/11(5)→	R	P	11/4(2)	-	11/14(2)	10/11-12/22(3)→	R-11/11(4)	A	10/27(4)→
SISKIN, PINE	-	12/7	-	-	-	-	11/5→	-	-	-
GROSBEAK, EVENING	10/11	-	-	12/21	-	-	-	-	-	-

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	LACKAWANNA	LANCASTER	LAWRENCE	LEBANON	LUZERNE	LYCOMING	MERCER	MIFFLIN	MONTGOMERY	MONTOUR
LOON, RED-THROATED COMMON	12/19	-	-	-	12/16	-	-	-	12/5-8	-
GREBE, PIED-BILLED	11/2	12/22	-	-	10/19-11/1(19)→	11/7(3)-17	-	-	11/1-26(49)-29	11/18→
HORNED	-	-	→11/2	→10/20(2)	A-11/9(6)	11/7(9+)	→10/4(5)-28	-	10/20-12/28(3)	→11/18(5)
RED-NECKED CORMORANT, DOUBLE-CRESTED	-	-	-	10/23(5)	11/7-12/19	-	-	-	11/9	10/21-11/4
HERON, GREAT BLUE	A	10/9(65+)-12/22	-	-	11/24-28	11/7	-	-	-	-
EGRET, GREAT HERON, GREEN	A	→10/31	R	R	→11/3(26)	-	→10/27(85)	R	10/24(9)-11/30	→11/29
NIGHT-HERON, BLACK-CROWNED	-	-	-	-	→10/13	-	-	R	A	A
SWAN, TUNDRA	-	-	-	-	-	-	-	-	→11/9(2)	→10/18
MUTE	A	12/22-28(3833)→	-	12/30(29)→	11/1-2(6)-16	11/17(22)-12/15	-	OCT	-	-
GOOSE, SNOW	-	12/22-28(28,030)→	→12/8	12/30(2000)→	10/17	-	10/28(25)-12/20	-	10/31-11/4(82)-12/21	11/17-18(9)-12/28
BRANT	-	-	-	-	10/18(118)-11/2	-	10/29(3)	-	10/4(2)→	-
GOOSE, CANADA	R	R	R-10/16(700)	R	11/7(45)-12	11/7(65H)	-	R	11/25(130)	12/22
DUCK, WOOD	-	A-12/22(7)	R	→11/16(4)	P	R	→10/21	R	11/12(62)	11/8-10
TEAL, GREEN-WINGED	-	A	12/29	R	→11/7	-	-	R	→11/16(30)	→10/4(11)
DUCK, AMERICAN BLACK	R	R	R-12/31(80)	R	A	-	-	R	10/29(17)-12/26	→11/6(8)
MALLARD	R	R	-	-	R	R	-	R	A	R
PINTAIL, NORTHERN	-	12/22(8)→	-	-	-	-	-	R	10/5	11/2-12/22(4)
TEAL, BLUE-WINGED	-	-	-	-	-	-	-	-	-	-
SHOVELER, NORTHERN	-	11/10(110)→	-	-	→11/11(4)-16	-	10/4(8)	-	11/16-26	-
GADWALL	-	12/22→	-	-	11/16-12/29(4)	-	10/4	-	11/16-28(25)	12/22(7)
WIGEON, AMERICAN	-	11/23→	11/2	12/30	-	-	10/4(5)-26	-	10/12(5)-11/17	-
CANVASBACK	-	12/28	-	-	12/14-19	-	-	-	10/31-11/23(5)	-
REDHEAD	-	11/10(3)-12/28	-	-	12/20→	-	-	-	10/4-11/23	-
DUCK, RING-NECKED	12/21	10/5→	12/1	11/10	11/2(21)→	-	10/14-29(50)-11/16	-	12/21(3)	-
SCAUP, GREATER	-	-	-	-	10/29-11/9(6)-12/15	-	-	-	10/31-11/23	-
LESSER	12/19	-	11/2(3)	11/10	11/2-12/8(7)→	-	-	-	11/3(2)	-
OLDSQUAW	10/29-12/19	12/28-30	-	-	10/27	-	-	-	-	-
SCOTER, BLACK	-	11/10	-	-	11/9(3)	-	11/20*	-	10/18(3)	-
SURF	-	-	-	-	-	-	-	-	-	-
WHITE-WINGED	12/19	-	-	10/23	12/16-19(7)	-	-	-	-	-
GOLDENEYE, COMMON	-	12/22(12)-29	-	-	11/7(6)→	-	-	11/19-30(11)	11/23-12/21	-
BUFFLEHEAD	11/1-12/21	12/22→	11/9	11/24(2)	11/2-9(38)→	11/7-12/15	-	12/20(6)→	10/14-11/1(58)-12/28	10/20-12/18(7)
MERGANSER, HOODED	-	12/22→	11/2	11/14(17)	11/16→	11/17(4)-12/15	11/7(5)-16	12/20(3)→	11/1-28(30)	-
COMMON	11/3→	12/22→	-	-	R	R-12/15(34)	-	-	11/9-12/4(40)	R-11/18(26)
RED-BREASTED	-	12/22(4)	-	-	10/20-12/19(4)	-	-	-	11/16-12/4	-
DUCK, RUDDY	11/2-22	DEC→	-	-	10/5-12/29(21)	11/7(10)	10/26-11/7(3)	-	10/31(14)-11/22	11/2(7)
VULTURE, BLACK	-	R	-	R	-	-	-	→10/13(30)-11/4	R	-
TURKEY	→10/14	R	→10/24	R	→10/12(54)-11/13	-	→10/28	R-11/8(18)	R	→10/30(7)
OSPREY	-	→12/22	-	P	→11/12	-	-	10/14(2)	→11/26	-
EAGLE, BALD	-	R	-	P	→11/10	-	-	→10/12	10/6-11/22	-
HARRIER, NORTHERN	11/7	A	R	P	→11/13(3)	-	10/14-11/18	OCT(14)	10/27→	P
HAWK, SHARP-SHINNED	R	R	R	R	A	R	R	R-10/12(75)	A	P
COOPER'S	R	A	R	R	R	R	R	R-10/1(8)	R	P
GOSHAWK, NORTHERN	-	12/22	-	O	10/10-11/3	-	-	11/3	11/24	-
HAWK, RED-SHOULDERED	-	-	-	-	10/2-11/13	-	R	-	11/2(23)	-
BROAD-WINGED	-	-	-	-	→11/27*	-	-	-	-	-
RED-TAILED	R	R	R	R	R	R	R	R-10/26(113)	R	R
ROUGH-LEGGED	-	-	12/1→	P	11/25→	11/19→	-	-	-	12/22→
EAGLE, GOLDEN	-	-	-	P	11/2(2)-3	-	-	-	11/3-15	-
KESTREL, AMERICAN	R	R	R	R	R	R	R	R-10/1(14)	R	R
MERLIN	-	11/3-12/22	-	P	10/10	-	-	-	10/18-11/9	-
FALCON, PEREGRINE	-	10/17-31	-	P	10/13	-	-	-	-	-
BOBWHITE, NORTHERN	-	R	R?	-	-	-	-	-	-	-
COOT, AMERICAN	12/2-27	11/10(3)→	-	A-10/27(31)	10/5-11/2(65)→	11/7-17(15)	→10/27(17)-11/20	-	10/20-26(27)-11/16	→12/9(22)-22

SEASONAL OCCURRENCE TABLES - OCTOBER THROUGH DECEMBER 1996

	LACKAWANNA	LANCASTER	LAWRENCE	LEBANON	LUZERNE	LYCOMING	MERCER	MIFELIN	MONTGOMERY	MONTOUR
OVENBIRD	-	-	-	-	-	-	-	-	-	-
YELLOWTHROAT, COMMON	-	-	-	-	-	-	-	-	-	-
TANAGER, SCARLET	-	-	-	-	-	-	-	-	-	-
GROSBEEK, ROSE-BREADED	-	-	-	-	-	-	-	-	-	-
BUNTING, INDIGO	-	-	-	-	-	-	-	-	-	-
TOWHEE, EASTERN	-	-	-	-	-	-	-	-	-	-
SPARROW, AMERICAN TREE	-	-	-	-	-	-	-	-	-	-
CHIPPING FIELD	-	-	-	-	-	-	-	-	-	-
VESPER	-	-	-	-	-	-	-	-	-	-
SAVANNAH	-	-	-	-	-	-	-	-	-	-
FOX	-	-	-	-	-	-	-	-	-	-
LINCOLN'S	-	-	-	-	-	-	-	-	-	-
SWAMP	-	-	-	-	-	-	-	-	-	-
WHITE-THROATED	-	-	-	-	-	-	-	-	-	-
WHITE-CROWNED	-	-	-	-	-	-	-	-	-	-
JUNCO, DARK-EYED	-	-	-	-	-	-	-	-	-	-
LONGSPUR, LAPLAND	-	-	-	-	-	-	-	-	-	-
BUNTING, SNOW	-	-	-	-	-	-	-	-	-	-
BLACKBIRD, RED-WINGED	-	-	-	-	-	-	-	-	-	-
MEADOWLARK, EASTERN	-	-	-	-	-	-	-	-	-	-
GRACKLE, RUSTY	-	-	-	-	-	-	-	-	-	-
GRACKLE, COMMON	-	-	-	-	-	-	-	-	-	-
COVBIIRD, BROWN-HEADED	-	-	-	-	-	-	-	-	-	-
ORIOLE, BALTIMORE	-	-	-	-	-	-	-	-	-	-
FINCH, PURPLE	-	-	-	-	-	-	-	-	-	-
SISKIN, PINE	-	-	-	-	-	-	-	-	-	-
GROSBEEK, EVENING	-	-	-	-	-	-	-	-	-	-

	PERRY	PHILADELPHIA	POTTER	SOMERSET	SULLIVAN	TIOGA	VENANGO	WESTMORELAND	WYOMING	YORK
LOON, RED-THROATED	-	-	-	-	-	-	-	-	-	-
COMMON	-	-	-	-	-	-	-	-	-	-
GREBE, PIED-BILLED	-	-	-	-	-	-	-	-	-	-
HORNED	-	-	-	-	-	-	-	-	-	-
RED-NECKED	-	-	-	-	-	-	-	-	-	-
CORMORANT, DOUBLE-CRESTED	-	-	-	-	-	-	-	-	-	-
HERON, GREAT BLUE	-	-	-	-	-	-	-	-	-	-
EGRET, GREAT	-	-	-	-	-	-	-	-	-	-
HERON, GREEN	-	-	-	-	-	-	-	-	-	-
NIGHT-HERON, BLACK-CROWNED	-	-	-	-	-	-	-	-	-	-
SWAN, TUNDRA	-	-	-	-	-	-	-	-	-	-
MUTE	-	-	-	-	-	-	-	-	-	-
GOOSE, SNOW	-	-	-	-	-	-	-	-	-	-
BRANT	-	-	-	-	-	-	-	-	-	-
GOOSE, CANADA	-	-	-	-	-	-	-	-	-	-
DUCK, WOOD	-	-	-	-	-	-	-	-	-	-
TEAL, GREEN-WINGED	-	-	-	-	-	-	-	-	-	-
DUCK, AMERICAN BLACK	-	-	-	-	-	-	-	-	-	-
MALLARD	-	-	-	-	-	-	-	-	-	-
PINTAIL, NORTHERN	-	-	-	-	-	-	-	-	-	-
TEAL, BLUE-WINGED	-	-	-	-	-	-	-	-	-	-

SEASONAL OCCURRENCE TABLES - OCTOBER THROUGH DECEMBER 1996

	PERRY	PHILADELPHIA	POTTER	SOMERSET	SULLIVAN	TIOGA	VENANGO	WESTMORELAND	WYOMING	YORK
SHOVELER, NORTHERN	-	10/5-11/23(75)	-	→10/20(11)	-	-	12/25	10/2-20(20)-11/6	11/25	10/31(92)
GADWALL	-	10/27-11/23(17)→	-	10/20(18)-12/1	-	-	11/16	→10/20(30)-12/2	10/9(5)-12/4	11/9(3)-12/21
WIGEON, AMERICAN	10/30(3)	10/27-11/23(18)-12/18	12/8-22	→10/20(71)-12/20	-	-	-	→10/20(40)	→10/21(7)-29	11/9(3)-12/21
CANVASBACK	-	10/30-12/1(325)-18	-	11/14-20(100+)-27	-	-	11/29(9)-12/19	11/14-12/19(28)	11/4-12/2	12/21(3)
REDHEAD	-	-	-	11/22(25)	-	-	11/30(2)	11/14(3)-16	12/16-20	12/21(3)→
DUCK, RING-NECKED	10/30(12)	10/30-11/13(13)-12/18	→11/2	10/20-11/20(50)	-	11/2-25(150)	11/2-12(20)-12/19	10/20-11/2(11)→	11/1-12(22)(8)-30	10/8(5)→
SCAUP, GREATER	-	-	-	10/20(3)	-	-	-	OCT	12/1	-
LESSER	-	10/23-11/13(11)-12/18	-	10/20(12)	11/2(2)	-	11/3-20(6)-12/19	10/20-11/19(26)→	11/1-12/1(3)→	DEC
OLDSQUAW	-	11/3(2)	-	-	-	11/25(2)	11/6-12/14(3)-15	12/9(7)-19	12/30	DEC
SCOTER, BLACK	-	-	-	-	-	-	-	10/20(4)-11/12	10/23	-
SURF	-	-	-	10/19*	-	-	11/15(2)-12/19	10/20(2)-11/10	-	-
WHITE-WINGED	-	-	12/8	10/20(912)	-	-	-	12/19(3)	-	-
GOLDENEYE, COMMON	11/15(2)→	12/18-31(7)	-	11/29(10)	-	-	11/13→	11/12-12/19(26)	11/4(4)-12/22	12/21(7)→
BUFFLEHEAD	10/30(3)→	10/31-11/13(8)-12/15	10/29-11/3(5)	10/8-11/14(75)-20	11/12(6)	11/2(47)-25	11/2→	10/31-12/19(40)-20	10/29-11/22(16)→	10/29(20)→
MERGANSER, HOODED	A	10/23-11/13(12)-12/29	→11/27	10/16-11/14(300)	10/11	11/2-25(15)	11/2(5)-24	11/1-3(36)→	11/7-26(6)→	11/6→
COMMON	A	12/6-18(16)	→10/10	-	-	A-12/21(41)	R-10/15(15)	P	R-12/1(200)	11/30(32)→
RED-BREASTED	-	12/6	-	11/9(6)-23	-	11/2-12/21(30H)	11/10-12/19	→12/19(7)	-	DEC
DUCK, RUDDY	10/30(3)→	10/16-11/6(60)-12/30	11/1-27	10/12-20(680)-11/3	-	11/25(6)	11/10-12/19	10/14-20(75)-12/19	10/10-22(15)→	610/19-NOV
VULTURE, BLACK	P	11/28(24)	-	-	-	-	-	-	-	R
TURKEY	P	→12/21(8)	→11/1	→10/28(6)	→10/28(20)	→10/24	→10/30(5)	→10/29(40)	→10/11	R
OSPREY	P	→10/14	11/15	→10/28	-	→12/21	→11/9	→OCT	→10/11	→10/31
EAGLE, BALD	A	→11/2(2)-12/31	11/20	-	12/30	R	A	A	A	R
HARRIER, NORTHERN	A	11/6-12/28	A	R	R	-	10/12-12/14	R	A	A
HAWK, SHARP-SHINNED	R	10/20→	A	R	R	R	R	R	R	A
COOPER'S	R	10/16-12/21(5)	→12/4	R	R	A	R	R	A	R
GOSHAWK, NORTHERN	R	11/6	→12/2	R	10/8	-	-	10/25	-	-
HAWK, RED-SHOULDERED	P	10/31-11/13	-	-	10/2(2)	-	→11/24	R	→12/22	R
BROAD-WINGED	-	-	-	P	-	-	-	→10/14	-	-
RED-TAILED	R	R	R	R	R-10/26(6)	R	R	R	R	→10/12
ROUGH-LEGGED	P	10/31→	10/30→	12/15→	-	-	10/7→	-	12/2→	10/27→
EAGLE, GOLDEN	P	11/15	11/2(2)	-	-	11/14	-	-	-	-
KESTREL, AMERICAN	R	R	R	R	R	R	R	R	R	R
MERLIN	P	10/18-11/27	-	-	-	-	-	OCT	-	→10/6
FALCON, PEREGRINE	P	-	-	-	-	-	-	-	-	-
BOBWHITE, NORTHERN	-	-	-	-	-	-	-	-	-	R
COOT, AMERICAN	→12/29L	-	11/2	-	-	-	10/14-11/10(30)-12/19	P	10/2-11/20(31)→	10/7→
KILLDEER	A	R-11/13(11)	→NOV	→11/16	-	-	→11/14	R-10/25(15)	→10/18(19)-11/4	R
YELLOWLEGS, GREATER	-	10/12-16(2)-11/6	-	-	-	-	-	→10/11(4)	→11/9L	→10/31(4)
LESSER	-	10/12	-	-	-	-	-	-	-	-
SANDPIPER, SPOTTED	-	-	-	→10/20	-	-	-	→10/2	→10/9	-
PECTORAL	-	-	-	→10/8	-	-	-	-	-	-
DUNLIN	-	-	-	10/12(4)-11/22	-	-	10/11	10/11(9)-12	-	10/21
SNIBE, COMMON	-	-	11/27	-	-	-	-	11/24-12/31	1-1/7	12/21(3)→
WOODCOCK, AMERICAN	-	→11/7	→OCT	→10/28(3)	-	-	-	→NOV	-	-
GULL, LAUGHING	-	→11/8(5)	-	-	-	-	-	-	-	-
BONAPARTE'S	-	-	12/13(2)	11/14(45)-25	-	-	11/3	10/20(8)-12/19	-	11/7
RING-BILLED	A	A	P	→11/14(20)-12/1	-	→11/25(125)-12/21	11/3-10	A-12/19(45)	10/2→	A
HERRING	A	A	-	-	-	10/5	10/8-12/12	P	11/9-12/2(3)→	A
GREAT BLACK-BACKED	A	A	-	-	-	-	-	-	-	A
TERN, FORSTER'S	-	→10/12(2)	-	10/20(2)	-	-	-	10/20(6)	→10/2L	-
OWL, BARN	R	-	-	-	R	-	-	R	-	R
BARRED	R	-	R	R	R	-	-	R	R	R
LONG-EARED	12/29	-	-	-	-	-	-	12/21	-	-
SHORT-EARED	-	-	-	12/15	-	-	11/3(2)→	-	-	-
NORTHERN SAW-WHET	-	-	-	-	R	R	12/13	-	-	-
NIGHTHAWK, COMMON	-	→10/1	-	-	-	-	-	→10/4	-	-
SWIFT, CHIMNEY	-	→10/16(20)-19	-	-	-	-	→10/13	→10/1(200)-7	-	→10/24

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	PERRY	PHILADELPHIA	POTTER	SOMERSET	SULLIVAN	TIOGA	VENANGO	WESTMORELAND	WYOMING	YORK
HUMMINGBIRD, RUBY-THROATED	-	-	→10/2	-	→10/3	-	-	→11/6	-	-
WOODPECKER, RED-HEADED	-	-	-	-	-	-	-	→11/22	-	-
SAPSUCKER, YELLOW-BELLIED	A	11/7-12/21(8)→	→10/13	R	→11/13	-	→10/5	10/6→	→12/22(2)	10/29→
FLICKER, NORTHERN	R	R	P	-	→11/12	→12/22	R	R	R	R
WOOD-PEWEE, EASTERN	-	-	→10/20	-	-	-	→10/2	→10/2	-	→10/7
PHOEBE, EASTERN	-	A	-	-	→10/21	-	→11/3	→10/27	-	→11/11L
LARK, HORNED	R	12/21(11)-26	NOV	A-12/14(150)	-	-	10/14-12/21(100)	R-12/9(200)	R-12/20(100)	12/8-21(76)
SWALLOW, TREE	P	→10/20	-	-	-	-	-	-	-	→10/31
BARN	-	-	-	-	-	-	-	-	-	→10/14
CROW, FISH	R	R	-	-	-	-	-	-	-	R
RAVEN, COMMON	R	-	R	R	R	R	-	R	R	R
CHICKADEE, BLACK-CAPPED	R	-	R	R	R	R	-	R	R	R
CAROLINA	R	R	-	-	-	-	-	R	-	R
NUTHATCH, RED-BREASTED	R	10/31→	R	108	R	R	10/22-11/17	P	A-12/15(6)	12/21(4)
CREEPER, BROWN	R	10/6→	→11/16	R	R	R	R	R	R	A
WREN, HOUSE	-	A	-	-	-	-	→10/15	→10/12	-	→10/14
WINTER	P	10/4→	-	R	12/28	10/26-12/21	10/5-18	R	R	A
MARSH	610/3	→10/20	-	-	-	-	-	10/1	-	-
KINGLET, GOLDEN-CROWNED	R	10/16→	10/27-29	10/24	R	12/21-27(20)→	10/5→	R	10/9(3)→	10/4→
RUBY-CROWNED	A	10/24(5)-11/10	10/27	→10/6(20)	-	12/16-21(22)	-	A	10/8-12/22	10/13→
THRUSH, SWAINSONS	-	-	-	→10/19	-	-	.107	→10/1(48)-31	-	→10/13
HERMIT	R	10/12(5)→	-	R	-	-	→10/18	A	→11/5	10/13→
WOOD	-	-	-	-	→11/11(2)	-	-	→11/17	-	→10/13
ROBIN, AMERICAN	R	R	A	P	→10/17(45)-11/10	R-10/26(50)	R	R	R	R
CATBIRD, GRAY	A	A	→10/5	-	→10/30	→12/22L	→10/18	→12/23	→10/8	→12/21L
THRASHER, BROWN	-	→10/6	-	-	-	-	-	→OCT	-	→12/9L
PIPET, AMERICAN	10/30(2)	10/12(35)-11/6	610/15	-	-	-	→10/5(400)-11/3	10/6(3)-11/1	11/7(40)	12/8(15)
SHRIKE, NORTHERN	-	-	12/7	-	11/10	-	11/17-12/12	-	-	-
VIREO, SOLITARY	→11/2	→10/20(2)	→10/6	-	-	→10/12	→10/11(10)-20	→11/7(3)	-	→10/26
RED-EYED	P	-	-	-	-	-	-	→10/8	-	→10/9
WARBLER, TENNESSEE	-	-	-	→10/6	-	-	→10/5	→10/10	-	→10/8
ORANGE-CROWNED	-	-	-	-	-	-	-	→10/2	-	-
NASHVILLE	10/5(2)	-	-	→10/6	-	-	→10/11	→10/27	-	→10/28L
PARULA, NORTHERN	-	-	-	-	-	-	-	-	-	-
WARBLER, MAGNOLIA	P	-	-	→10/6	-	-	-	→10/13	→10/8	→10/12
CAPE MAY	P	-	-	→10/9	-	-	→10/2	→10/16	-	-
BLACK-THROATED BLUE	P	→10/6	-	→10/6(4)-19	-	-	→10/6	→10/6	-	→10/7
YELLOW-RUMPED	A	10/16-20(75)-11/6	10/2-11/29	10/19	→10/11(15)	→10/23(10)	→10/20	A-12/21(115)	→12/20	-
BLACK-THROATED GREEN	→11/2(2)	→10/20	→10/6	→10/9	→10/8	-	→10/11	→10/20	-	→10/11
BLACKBURNIAN	-	-	-	→10/6	-	-	-	-	→10/8	→10/1
PALM	P	10/12-16	10/12	→10/24	-	-	→10/14	→10/26	-	→10/20
BLACKPOLL	-	-	-	-	-	-	-	→10/10	-	→10/11
BLACK-AND-WHITE	P	-	-	-	-	-	-	→10/6(3)	-	-
REDSTART, AMERICAN	P	-	-	-	-	-	-	→10/29	-	→10/2
OVENBIRD	-	-	-	-	-	-	→10/5	→10/6	-	→10/10
YELLOW-THROAT, COMMON	P	A	-	→10/28	-	-	→10/18	→12/29	-	→10/31
TANAGER, SCARLET	-	-	-	-	-	-	-	→OCT	-	→10/10
GROSBEAK, ROSE-BREASTED	-	-	-	-	→10/8	-	→10/5	→10/5	-	→10/7
BUNTING, INDIGO	→10/5	→10/6	-	→10/6	-	-	-	→10/11	-	→10/17
TOWHEE, EASTERN	A	→11/8	→11/3	→12/19	-	→10/7	→10/18	R	-	R
SPARROW, AMERICAN TREE	12/29(73)→	12/15(2)	11/12→	-	11/11L→	11/11L→	11/12→	11/12→	NOV→	10/6→
CHIPPING	P	→12/21	→10/22	→11/27	A*	→10/8	→10/2(50)-11/22	→10/10(3)	→10/10(3)	→11/18
FIELD	A	R-10/11(7)	-	P	-	-	→11/24	R	A	R
VESPER	P	-	-	→10/8	-	-	→10/12	R	→11/1L	-
SAVANNAH	10/3(20+)	-	-	→10/8(40)-28	-	-	→10/8	→12/21	→10/10(3)	A-12/21(11H)
FOX	P	11/1-9(2)-12/21	10/27-11/23	11/6-23	10/13-28	11/12	11/13-17	→10/26(4)-11/17	-	11/3(3)→
LINCOLNS	10/3(3)	-	-	→10/9	-	-	-	→10/26(2)	-	-

SEASONAL OCCURRENCE TABLES - OCTOBER THROUGH DECEMBER 1996

	PERRY	PHILADELPHIA	POTTER	SOMERSET	SULLIVAN	TIOGA	VENANGO	WESTMORELAND	WYOMING	YORK
SWAMP	A	R	-	→10/29	→10/20	-	→11/14	R	→10/17	R
WHITE-THROATED	A	10/12(8)→	10/20-12/28(3)	10/6-12/29(16)→	R	12/21(L)	A	A	R	A
WHITE-CROWNED	P	12/15	P	10/6	10/11-20(3)	10/19-26	→11/24	A	-	10/14-12/21(114H)
JUNCO, DARK-EYED	R	11/6(6)→	R	R	R	R	R	R	R	10/6→
LONGSPUR, LAPLAND	.	-	-	-	-	-	11/12	-	-	-
BUNTING, SNOW	P	-	11/12→	-	-	-	11/12(6)	-	-	-
BLACKBIRD, RED-WINGED	P	R-12/11(300)	→12/7(4)	R	→10/17(3)	-	→11/20	R	→10/18(50)	R
MEADOWLARK, EASTERN	→10/3(30+)-12/29	10/15-16	→NOV	R-10/28(7)	→10/14	-	→12/8	R	→10/17(4)-11/23	R
BLACKBIRD, RUSTY	P	10/31	11/28-12/30	10/28(12)-12/15	-	11/9	11/2-13(8)	A	10/18	10/17-11/15
GRACKLE, COMMON	P	R-11/6(36)	→11/2	→11/23	-	→11/14	A	R-10/25(400)	→10/29	R
COWBIRD, BROWN-HEADED	P	R-11/1(250)	→11/29	-	R	→12/21	→11/16(3)	R	A	R
FINCH, PURPLE	12/29(9)	10/20-11/3(3)-12/21	R	-	R	→12/1	R	R	11/24→*	10/24→
SISKIN, PINE	10/30(2)	-	→12/14	10/19	-	-	-	10/9→	-	-
GROSBEAK, EVENING	.	-	-	NOV	-	-	-	-	-	-

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