

# PENNSYLVANIA BIRDS



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# PENNSYLVANIA BIRDS

Journal of the Pennsylvania Society for Ornithology

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Katrina Knight —Editor-in-chief  
(610) 372-3671 kknight@epix.net

## Seasonal Editors

Douglas Kibbe & Roberta Zweir  
2005 Cabot Blvd., West  
Langhorne, PA 19047  
215-757-4900  
Dibbe@ensr.com

## Department Editors

### NAMC

Gregory Keller  
58 South Hampton Rd.  
Amesbury, MA 01913  
978-834-7842  
gsk105@PSU.EDU

### Site Guides

Rudy Keller  
71 Lutz Rd  
Boyertown, PA 19512  
610-845-7310  
rkeller@astro.ocis.temple.edu

### Rare Bird Reports

Nick Pulcinella  
210 Welcome Ave.  
Norwood, PA 19074  
610-583-3201  
nickpul@bellatlantic.net

### CBC Report

Nick Bolgiano  
711 W. Foster Ave.  
State College, PA 16801  
814-234-2746  
NBolgiano@minitab.com

### Hawk Watch Reports

Kyle McCarty  
Keith Bildstein  
Hawk Mountain Sanctuary  
1700 Hawk Mountain Road  
Kempton 19529  
(610) 756-6961  
mccarty@hawkmountain.org

### Book Reviews

Gene Wilhelm, Ph.D.  
513 Kelly Blvd.  
Slippery Rock 16057-1145  
724-794-2434  
GeneWilhelm@aol.com

### Pennsylvania Birdlists

Peter Robinson  
P. O. Box 482  
Hanover, PA 17331  
peterrobins@hotmail.com

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COVER: Albin Northern Mockingbird, *Bucks*.

Photo by Bob Knoedler.

## from the Editor...

### TRANSITIONS...

While it may not be obvious from the content, there have been a lot of changes around here. Frank and Barb Haas have retired, after 14 years of hard work creating this journal, constantly improving it and keeping it going. They deserve a thank-you from all the birders of this state for a job well done! It is going to take several of us to attempt to fill their shoes.

Let me introduce myself. I've lived in the southeast part of Pennsylvania for most of my life and have been watching and studying birds since I was a young teen. That's somewhere close to 25 years. I've been involved in a number of different birding organizations at various levels - the Baird Ornithological Club, the Delaware Valley Ornithological Club, the Pennsylvania Society for Ornithology and various other out-of-state groups. In recent years I've served a term as president of the Baird Ornithological Club and I've been vice president of the PSO as well as being the PSO's newsletter editor until I resigned that job to take on this one.

I've always been interested in things like when and where birds go and why they do what they do. You can imagine how fascinated I was when I first heard Frank and Barb Haas mention that they were starting this journal all those years ago. Well, after 14 years of reading it, I'm still fascinated with it and I feel honored to have been chosen to edit it.

Douglas Kibbe and Roberta Zweir were the seasonal editors for this first quarter. Roberta Zwier is a wildlife biologist at ENSR Corporation where she conducts threatened and endangered species

surveys and biological inventories. In the fall of 2001, Zweir will begin her first semester as a graduate student at California University of Pennsylvania where she will be conducting research on avian ecology and habitat use in restored riparian corridors. In her spare time, she enjoys hiking, birding and hunting. She also helps conduct field surveys for the Pennsylvania Herpetological Atlas.

Douglas Kibbe may be remembered by a few longtime Pennsylvania birders as the former American Birds Regional Editor of Northwestern Pennsylvania (and Western New York). In addition to 14 years as an Audubon Regional Editor, Kibbe was the co-editor/author of the Vermont Atlas of Breeding Birds. A Certified Wildlife Biologist, he is now a Principal Technical Specialist with ENSR Consulting.

The Seasonal Editors for the rest of the seasons are:

Mike Fialkovich, 2<sup>nd</sup> quarter  
Dan Brauning, 3<sup>rd</sup> quarter  
Peter Robinson, 4<sup>th</sup> quarter

Let's not forget our new data entry technician either. Wendy Jo Shemansky is a graduate student in Environmental Science and Research at Duquesne University in Pittsburgh and works as a Neuropsychology Technician. She's enthusiastic and excited about doing this job, so let's make sure she gets plenty of data to enter!

Overseeing all of this is the Pennsylvania Society for Ornithology. The PSO has been involved with *Pennsylvania Birds* in the past, but now the level of that involvement has increased.

Other changes will be more gradual. We plan on setting up an Editorial

Advisory Board and we're exploring ideas for a web site. Suggestions from subscribers are always welcome.

### DATA & VOLUNTEERS NEEDED

The data published here is only as good as the data we receive. I'd like to encourage you all to continue turning in quarterly reports to your county compilers. There are some counties for which we don't have compilers and some for which the compilers don't get enough data to make much, if any report. Even if you don't have a lot to report, every bit helps the compiler get a better picture of what is happening. Also, please consider turning in data from trips outside your own county, especially if you're birding in one of the less-birded counties. If you have data for a county with no compiler, please send it directly to me. We're working on finding new compilers for those counties that don't have one. Jon Levin has agreed to take on Lehigh County. If you'd be interested in volunteering to compile one of the counties that isn't being reported on now, contact us.

Photographs will resume next quarter. Please continue to submit them too. They don't have to be great works of art.

We also need someone to take over the spring North American Migration Count for Pennsylvania. Greg Keller has done a wonderful job, but has moved out of state and will no longer be able to continue coordinating it and compiling the data. ✎

Katrina Knight  
Chief Editor

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## A Message from our Sponsor: The Pennsylvania Society for Ornithology

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### HARDCORE BIRD NEWS

Once a fellow accused me of being into “birdography” — isn’t that what you bird people do? Well, he does have a point. We like lots of glossy pictures and when we see a rare bird or climb a mountain there’s lots of heavy breathing. Yes, I know we are really in this for the good clean fun of finding neat birds. Sure, I know am.

If you are reading these words, you are hard core. A hard core birder, that is. Who else would read this kind of stuff? All the charts and reports with all the dicey details. Rows and columns of numbers and dates. Lots of names with capital letters. Committee reports. Observation summaries. Book reviews. Serious stuff.

I have had a few short conversations about what is a “hard core birder.” I say “short” because I hate to get trapped into endless, pointless conversations. I already know what “hard core” is in Pennsylvania. The hard core read and contribute to this journal and belong to this club. Period.

All kidding aside, the Pennsylvania Society for Ornithology (PSO) is honored and privileged to bring you Pennsylvania’s bird journal, *Pennsylvania Birds*. For 14 years, Frank and Barb Haas ably served as editors and publishers of this journal. Their quarterly newsletter kept growing and improving to its present full-sized state. Each issue

represents thousands of bird observations by hundreds of dedicated birders. All well organized and well presented for all to learn more about birds in the Keystone State. Expertise and care mark every step of the way from binoculars and scopes to the printed page. If ever a journal was a labor of love, this is it. Our new staff is trying to pick up where the Haases left off and wonder now what they got themselves into. The transition has not been entirely smooth, but not for the lack of goodwill and effort. Any new staff must learn new tasks and tricks. As the new publishing team adds to its knowledge through experience, it will surely speed the process and increase the scope and depth of coverage. Just like Frank and Barb and all of you would like to see.

PSO is the society FOR ornithology. We produce most of the data about the state’s birds and share it with one another in a variety of forms. We have fun doing this. It is a sort of communal nature education. We do it through Special Areas Project field trips, through our annual meetings, and through the rich information presented in this magazine each and every quarter. Learning as we go and teaching when we can. Hard core birders get through each week one feathery adventure at a time.

Years ago, people we labeled us “bird watchers”, then “birders”, and now “citizen scientists”. Whatever we are called, this is what we do in intricate

detail.

What kind of person pours over pages of bird data? What kind of people faithfully go afield in all kinds of weather, take down ridiculously detailed notes, count endless flocks, snap zillions of pictures, and send in their timely reports in strict format to meet deadlines?

Hard core birders. Wait until you see the centerfold in the next issue..... If you know of any more bird people who think they are hard core birders, tell them about PSO and get them to join in. If they are not with us, they are not really hard core.

Thank all of you for making each and every edition of *Pennsylvania Birds* as packed with juicy information as it is. Sharing makes us stronger. ♣

Douglas Gross  
PSO President

### ERRATA

The photo of the Wood Stork on the cover of Volume 14, No. 4 was attributed incorrectly. It was taken by Linda McWilliams.

# The 2001 Winter Raptor Survey in Pennsylvania

by Greg Grove

During January and February of 2001, an experimental roadside “winter raptor survey” (“WRS”) was conducted in Pennsylvania. Over 60 routes were designed and run by birders in 45 of Pennsylvania’s 67 counties resulting in over 250 hours of effort and 4500 miles of roads surveyed.

Raptors and vultures were counted and certain other birds of interest, including owls and shrikes, were noted. On some routes, age, sex, and color-morph data were also recorded as appropriate for individual species.

Because of the amount of interest generated, the WRS will likely be run again in 2002 with more specific data collected while still remaining simple and enjoyable for participants. Hopefully routes established in 2001 will be refined to maximize time spent in open country where raptor detection is easiest. Like Breeding Bird Survey (BBS) routes, presumably most of the same WRS routes might be run annually thus imparting some modest degree of statistical value to the effort.

It might be argued that WRS simply duplicated data from the Christmas Bird Counts (CBC). However, the CBC does not include data on age, sex, and color-morph. The gathering of this type of information will become a primary goal of WRS. Also, the many hours of CBC effort are not primarily devoted to finding raptors. Thus, raptors per hour values from CBC data are of limited value. And finally, WRS will provide data on raptor populations in midwinter, a month or more later than the time frame sampled by CBC. Because of Pennsylvania’s great variation in habitats, winter weather conditions, and topology, I have divided the state into four regions based on a simplification of the regions described by McWilliams and Brauning (2000).

Briefly, the regions are: (1) Piedmont - the intensely used, low elevation land southeast of the southernmost major ridge of the Appalachian mountains; (2) Ridge and Valley - the well defined parallel, forested ridges and broad, open valleys running from the south-central toward the east-central; (3) High Plateau - essentially the high elevations of the Laurel Highlands in the southwest running northward into the heavily forested, sparsely populated north-central counties and northeast into the Poconos; and (4) West - including the lower elevation southwest plateau and the low elevation plateau of the glaciated northwest.

The winter of 2000-2001 was colder than average and much colder than winters of the late 1990s. Several WRS participants commented that there seemed to be fewer overwintering raptors than in recent winters. This impression is supported by the Christmas Bird

Count results for the 2000-2001 season, which indicated below-average numbers of Red-tailed Hawks and especially of American Kestrels. (Bolgiano, 2000).

The amount of effort in the four regions is shown in Table 1.

The future focus of the WRS will probably be on four species: Red-tailed Hawk (RT) and American Kestrel (AK) because of their abundance, Northern Harrier (NH) as a species of concern, and Rough-legged Hawk (RL). The open-country habitat preferred by these four species makes them well suited for detection by roadside survey techniques. Collectively these four species accounted for almost 95% of all raptors recorded. The total number recorded across the state for each of these four species is shown in Table 2.

The greatest number of hawks per hour was recorded in the counties of

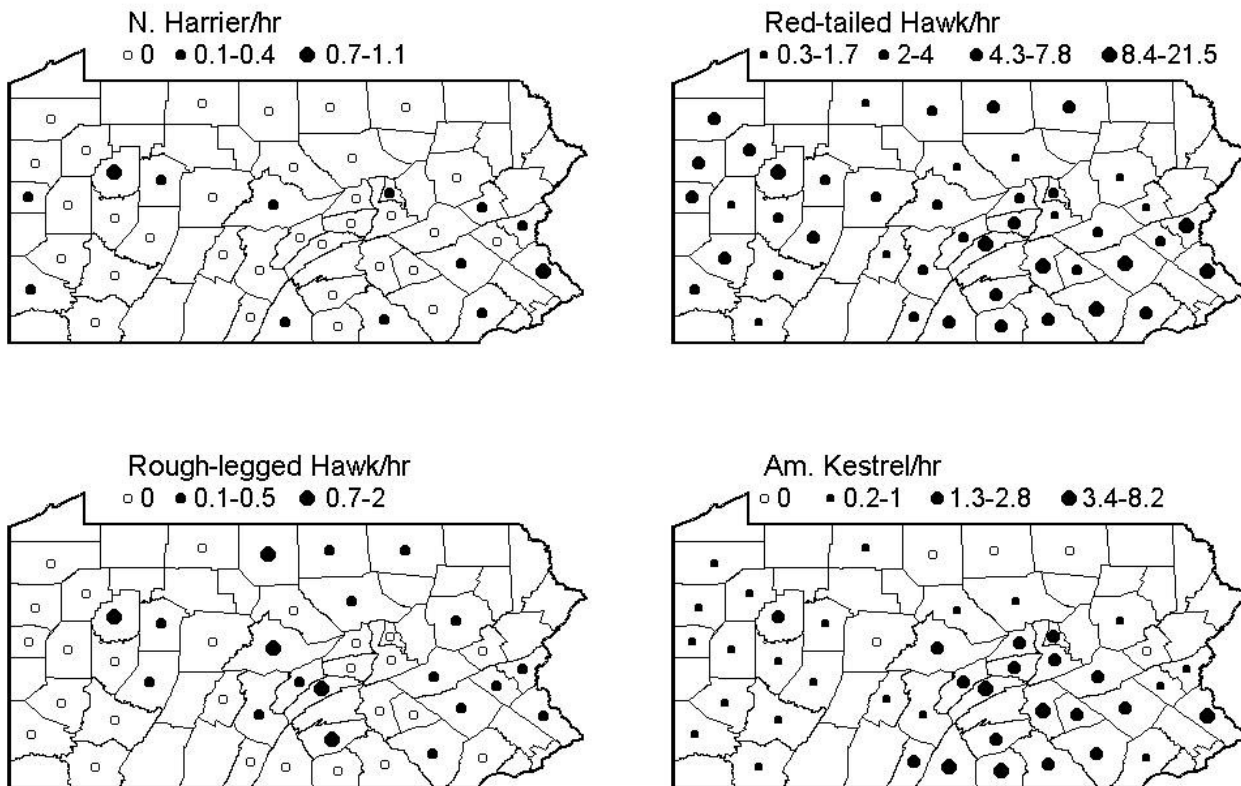
**Table 1. Amount of Effort**

	<b>Hours</b>	<b>Miles</b>	<b>MPH</b>
Piedmont	71	1144	16.1
Ridge & Valley	95	1721	18.1
High Plateau	27.5	543	19.7
West	59.5	1152	19.4
<b>Total</b>	<b>253</b>	<b>4560</b>	<b>18.0</b>

**Table 2. Total Number recorded by Area and Species**

	<b>NH</b>	<b>RT</b>	<b>RL</b>	<b>AK</b>	<b>TV</b>	<b>BV</b>
Piedmont	11	531	7	146	501	70
Ridge & Valley	7	280	25	152	21	42
High Plateau	0	70	7	10	0	0
West	6	260	5	35	6	0
<b>Total</b>	<b>24</b>	<b>1141</b>	<b>44</b>	<b>343</b>	<b>528</b>	<b>112</b>

## Hawks per Hour by County



the Piedmont region as shown in the accompanying maps. This is not surprising for two reasons, (1) milder winter weather than other regions and (2) more open country, especially compared to the Ridge and Valley and High Plateau areas.

Of the four species, only Rough-legged Hawks were found in greater relative numbers away from the Piedmont. Northern Harriers were scattered in small numbers in all areas except the High Plateau.

Red-tailed Hawk and American Kestrel concentrations were highest in the Piedmont. Relatively, Red-tailed Hawks were also fairly high in the West but kestrels were not. However, kestrels were nearly as high in the Ridge & Valley as in the Piedmont but this was not true for Red-tailed Hawks.

Among aged Red-tailed Hawks, 220

of 252 (87%) were adults. No immature red-tails were found among 32 aged birds in the Plateau and West regions.

Of kestrels specified to sex, 62 of 105 (59%) were male.

Both species of vultures were counted (Table 2). As expected, most vultures were found in the Southeast with smaller numbers in the Ridge and Valley region. The ratios of midwinter Turkey Vultures and Black Vultures are quite different in those two regions. The WRS will add to the documentation of the northern expansion of wintering vultures observed in recent years.

Other diurnal raptor species recorded in this survey included Bald Eagle (8), Sharp-shinned hawk (19), Cooper's hawk (17), Red-shouldered Hawk (15), Golden Eagle (1), Merlin (2), Peregrine Falcon (2), and

unidentified (28). A total of 1644 raptors were recorded.

In addition, Short-eared Owl (5), Long-eared Owl (1), Great-horned Owl (2), Northern Shrike (3), and Loggerhead Shrike (2) were also noted.

Considering the amount of interest and participation from this first year, the WRS will be run again. Data-gathering goals will be more specific. Information that may be obtained includes:

1. Midwinter population trends for Red-tails and Kestrels (given the large numbers of these two species). And although their numbers are much lower, trends for Harriers, a species of concern, may also be discernable.
2. Age and/or sex data for overwintering Northern Harriers,

Red-tailed Hawks, and American Kestrels.

3. Assessment of the size of the seasonal Rough-legged Hawk movement into Pennsylvania, as well as determination of the ratio of light and dark morph birds.

4. Trends in wintering vultures and documentation on the continued northern expansion of their winter range.

5. Documentation for shrike invasion years.

6. Anecdotal reports on wintering owls.

I have developed the following list of guidelines for how the WRS will be conducted in 2002.

#### WRS GUIDELINES FOR 2002

1. This being a road survey, the most important consideration is safety. I suggest each party have a designated driver.

2. Design your own route(s). I suggest a minimum of 15 miles and maximum of about 100 miles. For longer routes - split into two days? Avoid busy roads (safety!). Most of your route should be in open country to maximize detection. Minimize inclusion of extended forested roads.

3. Dates: You choose the specific date - anytime between announced dates: Time frame will be a 30-day period **BEGINNING THE THIRD SATURDAY OF JANUARY.**

4. Time of day: Between midmorning and mid-afternoon. No set starting time.

5. Weather: **WAIT FOR GOOD WEATHER!!!!** (No fog, high wind, precipitation).

6. Record **MILES** driven (to nearest whole mile) and **HOURS** (round to nearest half-hour) **WHILE SURVEYING.**

7. Record the following:

Average snow cover (inches)

Approximate temperature

Cloud cover

Wind (Light, moderate, strong)

8. **RECORD ALL RAPTOR SPECIES** - and in particular if possible:

Northern Harriers: Adult male or adult female or immature.

Red-tailed Hawks: Adult or immature.

Rough-legged Hawks: Light or dark morph.

American Kestrels: Male or Female

Don't linger over birds you can't easily age or sex - just record species for those birds not well seen.

9. Other birds (including numbers) to be recorded:

Vultures

Owls

Shrikes

10. You may leave the car to scope or get closer to a spotted bird, but do not go on hikes looking for birds.

11. Coordinate with other parties in the same county to avoid route duplication.

12. As you run your route and afterwards, consider how it might be modified for future surveys. (For example: avoid un-maintained roads that may not be passable some years).

To conclude, I thank all those winter-bound birders who enthusiastically contributed data and invite your participation again next year.

I thank Nick Bolgiano for comments on the first draft and for creation of the maps.

#### LITERATURE CITED

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McWilliams, G.M. and D.W. Brauning. 2000. *The Birds of Pennsylvania*. Cornell University Press, Ithaca, N.Y.

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# Book Review

by Gene Wilhelm

National Audubon Society *THE SIBLEY GUIDE TO BIRDS*. Written and illustrated by David Allen Sibley. 545 pp., over 6,600 color illustrations, 760 species maps, regional map of North America and inside back covers of North America's physiography, all in color, inside front cover keys to species, groups and range maps, index and quick index to common names of groups of species. Published by Alfred A. Knopf, Inc., NY, prepared and produced by Chanticleer Press, Inc., NY, printed and bound by Dai Nippon Printing Co., Ltd., Hong Kong. First edition published October 2000, sixth printing March 2001. In all bookstores. U.S.A. \$35.00, Canada \$53.00.

## BACKGROUND

The title of this extraordinary book says it all, for it is not a typical field guide as we know it but truly an encyclopedic illustrated treatise representing the life-time calling, passion, gifts and expertise of Sibley himself. As The New York Times wrote: "Once in a great while, a natural history book changes the way people look at the world. In 1838, John James Audubon's *Birds of America* was one. ...In 1934, Roger Tory Peterson produced *Field Guide to the Birds*. ...Now comes *The Sibley Guide to Birds*." David Allen Sibley, son of the well-known ornithologist Fred Sibley, was born in upstate New York in 1962. He has been drawing and watching birds since he was seven years old and began drawing by tracing pictures from a big coffee-table book titled *Birds of the World*, illustrated by Arthur Singer. Later he copied pictures freehand from the same book and finally in third grade took the plunge and started drawing from life. He didn't start painting birds, however, until the age of eighteen. As a youth, David spent much time outdoors

looking for birds but his natural history interest was broader than birds. He kept collections of butterflies, other insects, shells, rocks, and plants and kept lists of reptiles, amphibians, mammals, fish and other animals that he observed outdoors. But birds were, and still are, the most exciting to him because they have more "personality" than other life forms. As Sibley states in a Surfbird interview: "When I actually started keeping a bird list at the age of seven, my father was at Point Reyes Bird Observatory in California, so my introduction to birds was in a spectacular and exciting place with the opportunity to band birds - to hold them in my hands and study them up close. I think that experience at a young age is one of the things that really hooked me on birds."

Artists who inspired Sibley as a youngster included Louis Agassiz Fuertes, who was the first artist to paint real life-like portraits of birds based on field experience in the early 1900s; Don Eckelberry; and the great Swedish painter Lars Jonsson whose lively, beautifully posed birds have "just the right amount of detail."

As any experienced birder will attest, finding birds requires many skills: one has to be physically fit and adventurous, willing to endure difficult weather conditions, possess sharp ears and eyes and have the ability to process subtle clues. Then one must apply this knowledge with a sense of where to look, such as locating inconspicuous species in dense vegetation or picking one different individual from a large flock of similar species. Sibley not only has fine-tuned all of these outdoor skills in his short lifetime but also has presented them succinctly in graphics and the written word in his marvelous book. Sibley started toying with the idea of

doing a field guide when he was in junior high school and commenced serious work on books of various topics after high school. He went to Cornell University for a year but dropped out to pursue birding opportunities, first as a hawk counter at Cape May, NJ and later as a sound technician at Cornell's Laboratory of Natural Sounds, cataloging bird song recordings. However, it wasn't until eight years later, in 1988, that he actually stated in public that he was going to do a guide to the birds of North America. It was another six years before he finished the final layout and started painting the final draft.

## THE GUIDE

In an interview with Surfbird, Sibley said this about his guide:

I have always wanted a book that would have comprehensive information on field identification. A single book that would illustrate every plumage of every subspecies, at rest and in flight, with additional illustrations of odd variations, identification problems, etc. Also complete voice descriptions, detailed range maps. Information on distinctive habits, molt, etc. This was what I dreamed of many years ago, and along the way the concept was trimmed down a little to fit in a single book and to be something I could finish in a reasonable length of time. During those years of planning, I studied every bird guide I found (as well as field guides to flowers, trees, reptiles, etc.), and learned a lot by analyzing the pros and cons of each book. After Peterson's work there



was more innovation in Europe than in North America, and I was especially impressed with the compact organization of the *Mitchell Beazley Birdwatcher's Pocket Guide* by Peter Hayman, and of course the artistry of Lars Jonsson's paintings in *Birds of Europe*.

As Sibley concludes in an interview with Knopf:

I believe the average field guide user spends the vast majority of time looking at the pictures, and when I was developing this layout I based it on the premise that most of the text in current field guides is redundant. It either repeats information that is clearly visible, or adds words and phrases to make the important bits of text more "readable." I wanted a book that would condense a huge amount of information into a portable size, and at the same time make the information "patterned," logical, and accessible to any reader.

Indeed, the layout of Sibley's guide is very different and it contains far more information than any other field guide. The book relies much more on illustrations and shows more plumages, more subspecies and many more birds in flight than any previous guide. Further, it contains more information on voice, range and plumages. Three important keys on the inside front cover open the book: 1) Species Accounts, 2) Group Accounts and 3) Range Maps. The information and illustrations for each species are arranged in the same way on every page, with size, flight, voice, measurements and other information always in the same position. Comparing any species to another involves simply scanning horizontally across the pages. Each group of related species is introduced by a summary of the characteristics of the group. These

accounts show all species in a family (or subfamily or order) for comparison. One looks here to see the range of variation in the group as well as fundamental similarities and differences among genera. The range maps show the complete distribution of each species. Bear in mind that within the mapped range, each species occurs only in appropriate habitat and at variable density (common to scarce). Five categories of range are used for the maps: winter (blue), summer (orange), year-round (purple), migration (yellow) and rare (green dots). It is stated that the green dots represent locations of rare occurrences (may be a single record or up to a few records a year). The dots are included to show patterns of occurrence, not necessarily precise details of rare records.

Sibley is the ultimate proof that field experience is still the most important ingredient in any bird art and because of it his illustrations have a very lively feel. He has masses of files filled with his own notes and sketches from years in the field plus magazine clippings, photographs and reprints of technical papers from ornithological journals. So when it came time to illustrate any particular species he would simply pull out the file and search through notes, sketches, photos and papers for useful information and try to synthesize all of it into the field guide. This procedure led to lots of small discoveries - certain call notes heard only in one region or certain behaviors common in one species and not another. This was one of the things that made his work exciting and kept him focused on his goal: he was always learning new things every time he sat down to paint.

In sum, here are some important comparison points of Sibley's guide to other field guides:

- Introduction (pp. 9-14) includes important hints about Learning to Identify Birds, Variation in Appearance, Learning Songs and

Calls, Finding Rare Birds and Ethics.

- Bird Topography (pp. 15-22) is especially excellent because it details parts of a Passerine, Shorebird, Duck and Gull.

- Short ID "essays" scattered through-out the book give additional details on specific identification problems or on basic knowledge that can make identification easier

- Introductory page for each family gives general information and thumbnail illustrations comparing every species in the family at a glance

- Many species shown in flight from above and below; multiple plumages of many species; many plumages and some species never before illustrated in flight; accurate proportion and wing shapes aid identification; all shown in similar pose and facing same direction allowing easy comparison of shape and plumage

- The most complete and detailed voice descriptions ever in a field guide -songs, calls, flight calls and others all described and compared for every species and subspecies. Some calls are described for the first time in any publication

- Measurements for every species include length, wingspan and weight, the latter of which has never been published in a field guide-

- All commonly seen and escaped exotic species are illustrated.

- Many color morphs and rare variants shown. Most regularly occurring hybrids are illustrated.

- All significant geographic variants are shown, many covered as fully as if they were separate species. New information on subspecies identification never before published

- All regularly occurring North

American species receive full coverage, including flight illustrations, range maps, etc. The book focuses on the species that the average birder is most likely to see

- The design - flipping pages will show a continuous stream of birds in flight across the top of every page, with drab plumage at the top and bright plumage at the bottom. Also a voice description paragraph and a map will appear on every page. No frustrating searching through text or trying to match a picture to a range map.

### CRITICISMS

As wonderful as Sibley's guide is, there have been legitimate criticisms, especially regarding color reproduction and range maps. Sibley has graciously established a web site to respond to these criticisms beginning with updates and corrections to the fourth printing of February 2001. He says:

Color reproduction has been criticized. In particular the brightness of certain rufous colors (e.g., Brown Thrasher) and blue colors (e.g., jays), which seem too intense, and some gray species (e.g., gulls) which appear too bluish. Efforts to correct this are ongoing, but the process is not as simple as just "taking out some blue ink" or "darkening the rufous areas," and will almost certainly involve retouching original art and the rescanning of selected paintings (much of the trouble is with the original art). People often ask me if I am happy with the colors in the book, and I certainly am. The original paintings are rather bright, showing the birds at their best, brightest, and most contrasting, as if on a sunny day. The reduction and printing enhanced the colors throughout, creating a rich,

bright look to the whole book, and in a few cases pushing the colors beyond the range of normal. When looking at the colors in the book, bear in mind that our color perceptions of birds are controlled by lighting; a Brown Thrasher in sunlight looks much brighter than one in shadow, and there is of course no practical way to show such variation in a book. Similarly, the colors in the book itself appear to change under different lighting conditions; compare the appearance of the pages under fluorescent light with that under sunlight.

Maps generated the most criticism, and I suppose rightly so. The attempt to show migration routes and vagrant records on a small field guide map was, in my opinion, successful, but many people pointed out that the green dots showing vagrant records are often not placed accurately. My intention was simply to show the broad pattern of such records for a given species, rather than details of individual records. In that sense the system works, but I agree that the dots imply a kind of precision that is lacking in the actual maps. Efforts are under way now to completely overhaul the maps, a project that may take two years or so to finish.

Two name changes (Black-billed Magpie and Crested Caracara) are the most important corrections in this 4th printing. In both cases I had tried to anticipate American Ornithologist's Union Checklist Committee changes that were made just before this book was printed, and I got it wrong. Black-billed Magpie and Crested Caracara were both

split from extra-limited populations, and the scientific names of both were changed. There was some discussion of changing the English names as well to emphasize the splits, but in the end the committee decided to retain the established English names.

"American" Magpie changed back to Black-billed Magpie on pp. 350, 358 and 541.

"Northern" Caracara changed back to Crested Caracara on pp. 105, 128, 129 and 539.

page 58: There are apparently recent records of Cory's (dark morph) Least Bittern from Ontario, so the caption at the bottom of the page is changed to read simply "very rare." The illustration of this plumage variant should be darker overall; corrections to art will be made in a later printing.

page 112: The images of perched adult male and female Sharp-shinned and Cooper's Hawks should be different sizes to reflect the sexual size dimorphism in those species. Scans were inadvertently resized during printing and have been corrected so that the adult male Cooper's is just barely larger than the adult female Sharp-shinned, while the adult male Sharp-shinned is smaller than all others.

page 115: Common Black Hawk -The label that reads "white 'comma'" on the flying adult is changed to read "pale 'comma'",

page 141: Ring-necked Pheasant - voice description is changed to reflect the fact that apparently only the male gives a loud harsh cackle when flushed.

page 147: Greater Prairie-Chicken - label describing Attwater's subspecies is changed for clarity. "Attwater's averages 10 percent smaller than Northern..."

page 164: Piping Plover - all three standing birds have been enlarged to better represent the true size of the species, similar to Semipalmated Plover.

page 240: Black Skimmer -the reference to "Oldsquaw" in the voice description has been changed to "Long-tailed Duck."

page 292: Lucifer Humming - bird image has been reduced to better represent the true size of the species, similar to Costa's Hummingbird.

page 361: Header text amended with new sentence: "Tamaulipas Crow is now an extremely rare visitor." This species is apparently unrecorded in Texas since 1998 and should be identified there with great care.

page 374: Black-capped Chickadee - the fresh adult Eastern bird has been enlarged to be larger than the Pacific bird, similar in size to the Rocky Mountain bird

page 378: Drab Gray Birds of the Arid Southwest - a text note has been added: "See also Gray Vireo."

page 455: Hooded Warbler- the right-hand bird in flight is an adult male and should be labeled as such.

page 485: The adult Clay-colored Sparrow image is too dark and contrasty in the first and second printing. This has been corrected with a new scan.

page 514: Brewer's Blackbird - the bird labeled "adult male non-breeding" is now called "drab 1st winter male (Aug-Mar)" as this plumage type seems to be scarce in general and virtually all males in winter look essentially all black. Therefore, the all black bird here is now labeled simply "adult male."

#### UPDATES FOR FUTURE PRINTINGS

page 62: The label for "2nd year" Reddish Egret of both dark and white morphs should be changed to "adult non-breeding" and the bright-billed "adult" should be labeled "adult breeding." The bright colors are worn by an individual bird for a few months when breeding, which can happen almost year-round, but mainly about Jan. to Jun.

page 154: Most or all of the Purple Swamphens seen in Florida are of the gray-headed Caspian population.

In future printings, I would like to see Sibley switch the three introductory keys on the inside front covers to have "Key to the Group Accounts" and "Key to the Range Maps" on the left side of the cover or first and "Key to the Species Accounts" on the right side of the cover or second in that order. Such a simple change then would coincide with the group and species arrangement throughout the book. Further, a brief explanation of sex-size dimorphism in raptors (i.e., most hawks pp. 112-133 and owls pp. 272-283) would be helpful as well as the images of perched adults should be resized where appropriate. Sibley should add an image of a perched adult female Northern Goshawk (p.113) to illustrate coarser belly barring and thereby keep comparative sex-size uniformity

among the three accipiter species (pp. 112-113). Finally, a serious labeling error showing adult female and male White-winged Crossbills in flight (p. 531) needs to be corrected by simply switching the label "adult male" to the right bird images and the label "adult female" to the left bird images.

However, these suggestions, updates and few corrections are minor flaws in an otherwise landmark publication for American birding and perhaps an ultimate field guide to the birds of North America. It is unlikely that we will experience another David Allen Sibley in our lifetime or ever. No wonder that the guide has become the fastest selling bird book of all time, with nearly 600,000 copies in print since October 2000. Readers can see more of David's artwork at his website - [www.sibleyart.com](http://www.sibleyart.com)

# A Birding Site Guide to Polk Wetlands, Venango County, PA

by Jerry Stanley

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As you pull into the small gravel parking lot, you see a wood sign proclaiming State Game Lands 039 Wetlands Restoration Project, more simply known as Polk Wetlands. Stretched out in front of you and to the right are a few hundred acres of flat low agricultural land in the flood plain of Sandy Creek. The land extends along the road for about ½ mile and varies from about 200 to 400 yards wide. Less than a decade ago this land was farmed for crops and owned by the Polk Center State Hospital. Apparently in response to wetlands mitigation laws, a shallow pond about 1/3 mile long and 50 to 150 feet wide was created from the run-off of springs in the surrounding foothills. Control of the property was transferred to the Pennsylvania Game Commission, with its primary purpose now the promotion of goose and pheasant hunting. It has recently become apparent that numerous other species of non-game wildlife have benefitted and that it can be a great place to bird. Don't worry that the parking lot is small. It is rarely full and there is a large back-up lot across the street.

The wetlands/pond runs lengthwise paralleling the road. The near shore and bank are quite flat, resulting in a wetlands of slowly growing emergent vegetation and, depending on water levels, at times some extensive mudflats. In spring the damp field adjacent to the emergent wetlands may hold 15 or 20 Common Snipe. As yet no rails have been found, but finding some seems inevitable if the emergent vegetation is allowed to propagate. Green and Great Blue Herons frequent the shoreline along with an occasional Great Egret. Waterfowl can be numerous in the spring, Wood Ducks and sometimes Hooded Mergansers remaining to breed.

Spring migration has as yet been little evaluated here, but please note that no less than 24 species of warblers breed in the county. They begin returning to territories as early as the last week of March (Louisiana Waterthrush) and by the end of the first week in May, many will be on territories. This includes such favorites as Blackburnian, Magnolia, Canada, Cerulean, and Yellow-throated Warblers, any of which can be locally abundant. Combine this with often generous fall-outs of more northerly breeders such as Blackpoll, Tennessee, Bay-breasted, Wilson's, Cape May, and Nashville warblers, and you might find 25+ species of warblers as easily as falling off a log. There is mature second growth deciduous forest with a small amount of evergreens beyond the wetlands lining the banks of Sandy Creek. This area tends to concentrate migrant warbler flocks and would be a good starting point for those intent on warbler and vireo variety.

Fields, which formerly grew corn and hay, are now planted with sunflowers and various wild grasses producing seeds attractive to birds and rodents. Some portions are left to grow whatever weeds will start themselves, including burdocks and various thistles. Red-tailed Hawks, American Kestrels, Eastern Bluebirds, Tree Swallows and Savannah Sparrows breed and hunt in and around these fields. Alder and Willow Flycatchers breed on the adjacent property of a target-shooting club, which can be viewed from the property line. Orchard Oriole and Northern Mockingbird, both rare for this county, have also been seen in the vicinity of this property line.

Low foothills surround the valley,

which holds Polk Wetlands. From the center of the fields there is a panoramic view of the horizon, excellent for observing raptors, swallows, and other fly-by birds. In the spring or fall one might see a Merlin strafe the pond or a Rough-legged Hawk, Northern Harrier or Osprey might cruise by. Bald Eagles are frequent. In late summer, good mixed swallow flocks gather, with plenty of Cliff, Bank and Northern Rough-winged Swallows to go around. One year there was an albino Barn Swallow. Chimney Swifts gather here before migration, often drinking from the pond, providing rare eye-level looks. In August, Bobolinks may congregate in flocks of more than 300 and at evening in late August one may find Common Nighthawks streaming by. A little later in the year Indigo Buntings and American Goldfinches become common on the sunflowers.

Local birders first began to explore Polk Wetlands looking for the Holy Grail of Western Pennsylvania birding, a good shorebird spot. In spring the waters are invariably high, so no mudflats and no shorebirds. However, if the summer is hot and dry as it often is in these parts, there can be as much as one-third mile of mud flats. Late in July the numbers begin to climb and have included Western Sandpiper, Sanderling, and Short-billed Dowitcher. Least, Pectoral and Solitary Sandpipers become common, with the Solitary numbering up to three dozen. Spotted Sandpipers breed here. The chicks are of course adorable to watch. Unfortunately, early last August the Pennsylvania Game Commission inundated the mudflats in order to enhance the wetland's attractiveness to Canada Geese. So ended the shorebird extravaganza even before the

migration had peaked.

Each year as we have watched shorebirds, we have always thought out loud that we should check for fall migrant sparrows at Polk. Finally, last October we remembered, and what we found brought statewide attention to this area. There were hundreds of sparrows throughout the fields between the parking lot and the goose ponds. About 90% were Song Sparrows but there were also more Swamp, White-crowned, Field and Savannah Sparrows than I can remember almost anywhere. One could find six Lincoln's Sparrows in an hour or two. Then amid the flitting forms of brown and gray and white, a bright orange face suddenly appeared. It was a LeConte's Sparrow, which hung around a few days for many to enjoy. During this time Clay-colored Sparrow, Vesper Sparrows and Marsh Wren were also seen, all exceedingly uncommon in these parts. Only two weeks later there was also a Nelson's Sharp-tailed Sparrow. Paths are mowed through planted fields, which provide an excellent way to view the sparrows. Take a few steps and birds start to flush. Stand still and wait for

them to alight and look around.

Winter is a slow time at Polk. In some years Rough-legged Hawks are common. Although not yet reported, Short-eared Owl is a distinct possibility. Even as cold as this past winter was, a few small trickles of open water among the grasses produced Swamp Sparrows which are quite uncommon here in winter.

The Polk Wetlands provides a full wildlife experience. Butterflies and dragonflies can be abundant. One might come upon an enormous spiny soft-shelled turtle sunning on the bank of the goose pond or a northern water snake as thick as your wrist. No cow pies here, but you are likely to step on coyote scat. For the birder or naturalist intent on solitude, I am told by some locals that the rolling hills on the other side of Sandy Creek are remote and wild.

Directions: To reach Polk Wetlands from Interstate 80, take Exit 3 north, the exit for Rte. 8. Go north on Rte. 8 about 13 miles. Shortly after the divided highway ends there will be a sign for Polk Cutoff. Turn left onto Polk Cutoff and proceed about 1.5 miles downhill. (See DeLorme

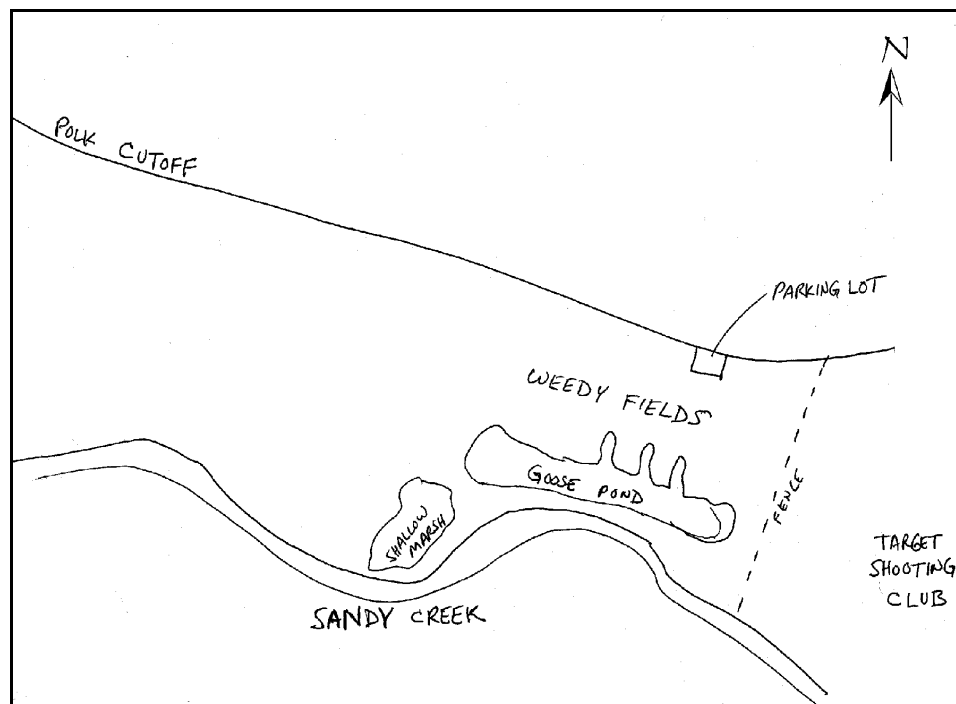
Pennsylvania Atlas and Gazetteer, page 43.) At the bottom of the hill the woods open up into flood plain valley. Polk Wetlands is on your left; the parking lot is on Polk Cutoff. The Wetlands may also be reached by taking Rte. 965 or Rte. 62 to the small town of Polk and turning south at the first 4-way intersection at the east end of town. There is an old-fashioned grocery/convenience store in Polk that has cold drinks and food.

If you do visit Polk, and we hope you do, drop us a line about what you find or better yet contact us and we might be able to join you. Russ States and Gary Edwards compile Venango County for

Jerry Stanley  
RR#3 Box 140AA  
Franklin, PA 16323  
814-432-4496  
bhns@csonline.net

Russ States  
Russss@csonline.net

Gary Edwards  
Gedwards@csonline.net



# Pennsylvania Bird Lists For 2000

Compiled by Peter Robinson

A total of 67 reports were submitted for 2000, including 36 Pennsylvania state annual lists.

Providing opportunities to add to PA Life Lists were a number of uncommon species that were found in the state during 2000 that stayed long enough to be seen by birders other than the person who first found the bird. These included a Spotted Towhee (Export, Westmoreland Co.) that was found in December of 1999 and stayed until mid-March, a Bullock's Oriole (Mt. Joy, Lancaster Co.) mid-January, Barrow's Goldeneye on the Delaware River late February, Chuck-Will's-Widow (Bristol, Bucks Co.) mid-May, Black Skimmer (Conejohela Flats, Lancaster Co.) mid June, Piping Plover (Conejohela Flats, Lancaster Co.) late August, Western Kingbird (Farmersville, Lancaster Co.) late September, Wood Stork (Presque Isle, Erie Co.) mid-October, LeConte's Sparrow (SGL 39, Venango Co.) mid-October, several Snowy Owls during November and December, Hammond's Flycatcher (Bethlehem, Northampton Co.) mid-November, and Ash-throated Flycatcher (Safe Harbor, Lancaster Co.) late December.

There are now 53 birders whose Pennsylvania life lists are above 300, up one from the 52 people over 300 last year.

A new category was added this year: "PA Life List - Unassisted". This list is those species of birds that a person finds and identifies in Pennsylvania **ON THEIR OWN**. The list would **NOT** include "chase birds", the birds that someone else finds first, you find out about, then you go to see (a "chase trip"). Your "unassisted" list **WOULD** include a bird spotted first by someone with whom you are birding at the time. It also **WOULD** include a bird that you found and did not yet know that someone else had already found.

Deuane Hoffman's 303 species for the year 2000 was 37 more than Devich Farbotnik's second place 266. There were 4 people who found 250 species or more in Pennsylvania during 2000, fewer than the 7 people in 1999. There were another 5 people between 225 and 250 species for the year 2000, and 9 who were during 1999. It will take 255 species to be included in the top 50 PA Annual Lists.

There are now 7 birders with County Life Lists over 300 species. One of these lists is for Erie County and the other six are for Lancaster County. There were new county life list highs established for 26 counties, but there are still 13 counties with top life lists under 200. It will take 256 species to be included in the top 50 County Life Lists.

For the year 2000, County Annual Lists in the all time top 50 were submitted by Deuane Hoffman (268 for Lancaster), Devich Farbotnik (247 for Bucks), and Jerry McWilliams (237 for Erie). It will now take 236 to make the top 50 County Annual Lists.

Pennsylvania Life Lists															
1	362	Barbara Haas	00	32	322	Fritz Brock	98	65	293	John Peplinski	B 94	98	260	Dennis Miller	99
2	360	Deuane Hoffman	00	33	319	John Ginaven	98	66	292	Carl Garner	99	99	259	Linda McWilliams	92
3	359	Franklin Haas	00	34	318	Phillips Street	99	67	291	William Reid	99	99	259	Eugene Zielinski	00
4	349	Eric Witmer	00	35	316	Margaret Higbee	99	68	290	David Abbott	B 98	101	258	Steve Graff	00
5	347	Tom Garner	00	36	315	Evelyn Kopf	95	68	290	Kenneth Gabler	99	101	258	Greg Grove	00
6	346	Jerry Book	00	37	314	Walter Shaffer	99	68	290	Chuck Tague	99	101	258	Bob Machesney	00
7	345	Bernard Morris	00	38	313	Harold Morrin	96	71	289	Kevin Crilley	98	104	257	Russell Ryan	93
8	343	Rick Wiltraut	98	39	311	Dana Shaffer	99	71	289	Allen Schweinsberg	98	105	256	Ted Grisez	96
8	343	Dave DeReamus	00	39	311	Don Henise	00	73	285	Armas Hill	B 96	106	253	Scott Bastian	99
8	343	Randy Miller	00	39	311	Peter Robinson	00	73	285	Neal Thorpe	97	106	253	Neil Troyer	00
8	343	Robert Schutsky	00	42	310	Ronald Leberman	00	75	284	James Gray	B 83	108	247	David Hawk	00
12	339	Ken Lebo	00	43	308	Robyn Henise	00	76	283	Kerry Grim	98	108	247	Jeff Payne	00
13	338	Jan Witmer	97	44	307	Ernest Schiefer	00	77	282	John Billings	B 98	110	245	Bill Reddinger	99
13	338	Richard Colyer	00	45	306	Bruce Carl	00	77	282	Mark McConaughy	00	110	245	Robert Frantz	00
15	337	John Miller	B 97	46	305	Gene Wilhelm	92	79	281	Thomas Reeves	00	112	244	Harvey Troyer	99
16	336	William Stocku	B 97	47	304	Skip Conant	99	80	279	Dick Byers	00	112	244	Retta Payne	00
17	332	Joyce Hoffmann	00	47	304	Tom Clauser	00	81	278	James Baird	B 81	112	244	Michael Schall	00
17	332	Harold Lebo	00	49	303	Mike Fialkovich	00	81	278	Merrill Wood	91	115	242	Walter Fye	97
17	332	William Murphy	00	50	302	Sam Stull	85	83	277	Bonnie Baird	B 81	115	242	Jerry Troyer	99
20	329	Paul Schwalbe	98	50	302	Edward Pederson	98	84	274	Gloria Lamar	92	117	240	Dale Gearhart	00
21	328	Jason Horn	95	52	300	Larry Lewis	88	84	274	Richard Koval	99	118	239	Wayne Laubscher	00
22	327	Glenna Schwalbe	98	52	300	Richard Timm	B 97	86	273	Katrina Knight	99	118	239	Adam Miller	00
22	327	Steve Santner	99	54	299	Keith Richards	B 82	87	272	Scott Kinzey	99	120	238	Roy Ickes	99
24	326	Al Guarente	00	55	298	Roger Higbee	99	87	272	Dave Rieger	00	121	235	Gary Edwards	95
24	326	Arlene Koch	00	56	297	Allan Keith	B 98	89	271	James Flynn	97	121	235	Deborah Grove	00
26	325	Devidh Farbotnik	00	57	296	Ed Kwater	96	90	270	Randi Gerrish	99	123	232	Joe Strasser	94
26	325	John Fedak	00	57	296	John Salvetti	00	91	269	David Kyler	96	123	232	Voni Strasser	94
28	324	Harry Franzen	96	59	295	Frank Windfelder	B 98	91	269	Aden Troyer	00	125	231	Larry Brown	98
29	323	Jonathan Heller	98	59	295	Matt Wlasniewski	00	93	268	Sarah Gerrish	99	125	231	Jim Mountjoy	00
29	323	Steve Farbotnik	00	61	294	James Baxter	86	94	267	Harry Henderson	91	127	226	Eli Troyer	99
29	323	Jerry McWilliams	00	61	294	George Malosh	B 96	95	266	Joe Meloney	94	128	224	Arlene Brown	98
				61	294	David Freeland	B 97	95	266	Scott Bills	99	129	223	Pamela Woodman	93
				61	294	Terence Schiefer	99	97	261	Sam Sinderson, Jr.	00	129	223	Nick Kerlin	00



163	Bill Reddinger	1999
150	Fred Crowley	1995
140	Mark McConaughy	2000
104	Steve Santner	1995
<b>CLEARFIELD</b>		
176	Deuane Hoffman	2000
173	John Fedak	2000
154	Eugene Zielinski	2000
114	Paul Schwalbe	1998
100	Steve Santner	1995
<b>CLINTON</b>		
246	Paul Schwalbe	1998
178	Wayne Laubscher	2000
166	Deuane Hoffman	1999
130	John Fedak	2000
120	Steve Santner	1995
101	Barbara Haas	1994
<b>COLUMBIA</b>		
171	Deuane Hoffman	1999
116	John Fedak	1999
115	Richard Koval	1999
100	Steve Santner	1995
<b>CRAWFORD</b>		
242	Deuane Hoffman	1998
223	Margaret Higbee	1999
215	John Fedak	1999
208	Roger Higbee	1999
208	Sam Sinderson	2000
206	Marvin Byler	2000
205	Ronald Leberman	1996
201	Gene Wilhelm	1992
164	Ed Kwater	1996
152	Geoff Malosh	1991
150	Greg Malosh	1991
141	Randi Garrish	1999
141	Sarah Garrish	1999
124	George Malosh	1989
123	James Flynn	1997
117	Randy Miller	1998
112	Steve Santner	1995
107	Jonathan Heller	1998
103	Don Henise	2000
102	Terence Schiefer	1998
100	Bill Reddinger	1999
<b>CUMBERLAND</b>		
269	Deuane Hoffman	1999
261	Don Henise	2000
259	Robyn Henise	2000
247	Richard Colyer	1999
208	Carl Garner	1998
197	Steve Santner	1995
176	George Wertz, Jr.	1986
169	Mark McConaughy	1998
164	Kenneth Gabler	1999
154	John Fedak	1998
120	Jonathan Heller	1998
111	Randy Miller	1998
<b>DAUPHIN</b>		
270	Deuane Hoffman	2000
240	Scott Bills	1999
238	Mark McConaughy	1998
235	Grace Randolph	1996
234	George Wertz, Jr.	1986
219	Steve Santner	1995
211	Richard Colyer	1999
175	Don Henise	2000
154	John Fedak	1998
134	Randy Miller	2000
127	William Reid	1999
127	Merrill Wood	1991
118	Kenneth Gabler	1999
113	Jonathan Heller	1998
<b>DELAWARE</b>		
289	John Miller	1985
265	Al Guarente	2000
256	Barbara Haas	2000
254	Skip Conant	2000
245	Thomas Reeves	2000
226	Paul Schwalbe	1998

224	John Ginaven	1999
209	Deuane Hoffman	1999
151	Jason Horn	1995
130	Steve Santner	1995
124	Martin Page	2000
108	John Fedak	1998
<b>ELK</b>		
183	Linda Christenson	1997
139	John Fedak	2000
128	Deuane Hoffman	1999
105	Steve Santner	1995
<b>ERIE</b>		
311	Jerry McWilliams	2000
291	Sam Stull	1985
288	Deuane Hoffman	2000
278	Joyce Hoffmann	1998
274	Ed Kwater	1996
268	James Flynn	1997
263	John Fedak	2000
253	Linda McWilliams	1992
249	Barbara Haas	1996
249	Margaret Higbee	1999
248	Mike Fialkovich	2000
242	David Freeland	1985
237	Roger Higbee	1999
236	George Malosh	1989
233	Gene Wilhelm	1992
230	Sam Sinderson	2000
221	Richard Colyer	2000
218	Geoff Malosh	1991
217	Greg Malosh	1991
210	Randy Miller	1998
208	Steve Santner	1995
203	Bob Machesney	2000
197	Terence Schiefer	1998
197	Dave Rieger	2000
182	Jonathan Heller	1998
180	Don Henise	2000
178	Bernard Morris	1998
177	Randi Gerrish	1997
177	Sarah Gerrish	1997
166	Ronald Leberman	1996
146	Kenneth Gabler	1999
144	Steve Graff	2000
110	Bill Reddinger	1999
<b>FAYETTE</b>		
156	Mark McConaughy	2000
153	Deuane Hoffman	2000
122	John Fedak	1999
119	Steve Santner	1995
117	Randi Gerrish	1999
111	Sarah Gerrish	1999
111	Ed Kwater	1996
<b>FOREST</b>		
161	John Fedak	1999
143	Deuane Hoffman	2000
141	Ted Grisez	1996
108	Steve Santner	1995
<b>FRANKLIN</b>		
266	Carl Garner	1998
265	Kenneth Gabler	1999
215	Dale Gearhart	2000
213	Jeffrey Walck	1989
185	Deuane Hoffman	1998
141	Don Henise	1997
130	Steve Santner	1995
114	John Fedak	1998
<b>FULTON</b>		
205	Kenneth Gabler	2000
200	Daniel Snell	2000
198	Carl Garner	1998
194	Daniel Snell	1997
160	Deuane Hoffman	1998
152	Jeffrey Walck	1989
119	Steve Santner	1995
118	Robert Walker	1989
115	Dale Gearhart	2000
107	John Fedak	1998

<b>GREENE</b>		
194	Ralph Bell	1993
159	Deuane Hoffman	2000
134	Roy Ickes	1996
127	John Fedak	2000
109	Steve Santner	1995
103	Sam Sinderson	2000
<b>HUNTINGDON</b>		
233	Greg Grove	2000
229	David Kyler	1996
211	Deborah Grove	2000
181	Merrill Wood	1991
178	Deuane Hoffman	2000
171	Lewis Grove	2000
163	John Salvetti	2000
155	Eugene Zielinski	1998
128	Lewis Grove	1998
111	Kenneth Gabler	1999
106	John Fedak	1998
104	Steve Santner	1995
<b>INDIANA</b>		
264	Margaret Higbee	1999
245	Roger Higbee	1999
233	Gloria Lamer	1992
232	Steve Graff	2000
195	Anne Hedgpeh	1986
182	Deuane Hoffman	1998
177	John Fedak	1999
161	Leonard Hess	2000
160	Randi Gerrish	1999
160	Sarah Gerrish	1999
157	Linda Hess	1999
140	Mark McConaughy	2000
118	Steve Santner	1995
104	Bill Reddinger	1999
<b>JEFFERSON</b>		
225	John Fedak	2000
172	Deuane Hoffman	1998
105	Bill Reddinger	1999
104	Steve Santner	1995
<b>JUNIATA</b>		
234	Aden Troyer	2000
215	Deuane Hoffman	1999
109	Jonathan Heller	1998
108	Steve Santner	1995
106	John Fedak	1998
<b>LACKAWANNA</b>		
182	Glenn Czulada	1996
158	Deuane Hoffman	1998
137	Richard Koval	1996
118	William Reid	1999
112	John Fedak	1998
103	Steve Santner	1995
<b>LANCASTER</b>		
315	Randy Miller	2000
314	Tom Garner	2000
314	Eric Witmer	2000
306	Jerry Book	2000
306	Robert Schutsky	2000
304	Deuane Hoffman	2000
296	Jonathan Heller	1998
294	Barbara Haas	2000
292	Jan Witmer	1997
291	Harold Morrin	1996
290	Bruce Carl	2000
274	Steve Santner	1995
251	Jason Horn	1995
240	Larry Lewis	1988
225	Al Guarente	2000
224	Richard Colyer	2000
212	Jim Mountjoy	2000
209	Ernest Schiefer	2000
201	George Wertz, Jr.	1986
198	Pamela Woodman	1993
196	Dennis Weaver	2000
185	Terence Schiefer	1998
184	Don Henise	1997
166	John Fedak	1998
160	Kevin Crilley	1998
156	Matt Wlasniewski	2000

145	Bernard Morris	2000
130	Kenneth Gabler	2000
128	Mark McConaughy	1999
118	Margaret Higbee	1993
108	Roger Higbee	1993
<b>LAWRENCE</b>		
210	Gene Wilhelm	1992
158	John Fedak	2000
138	Deuane Hoffman	2000
102	Steve Santner	1995
<b>LEBANON</b>		
267	Randy Miller	2000
236	Steve Santner	1995
230	Deuane Hoffman	1999
208	Stephen Mallanson	1996
202	Bruce Weaver	2000
198	Jonathan Heller	1998
192	Bruce Carl	2000
181	Jason Horn	1995
152	George Wertz, Jr.	1986
130	Don Henise	1997
122	Barbara Haas	1996
105	John Fedak	1999
<b>LEHIGH</b>		
265	Fritz Brock	1998
264	Bernard Morris	2000
260	Rick Wiltraut	1998
259	Jason Horn	1995
201	Deuane Hoffman	1999
136	Robert Frantz	2000
116	Michael Schall	2000
108	John Fedak	1998
103	Steve Santner	1995
<b>LUZERNE</b>		
279	William Reid	1999
253	Richard Koval	1999
216	Mark Blauer	1985
194	Deuane Hoffman	1999
176	John Fedak	1999
149	Kevin Crilley	1998
115	Bernard Morris	1998
104	Steve Santner	1995
<b>LYCOMING</b>		
230	Paul Schwalbe	1998
176	Deuane Hoffman	1999
124	Steve Santner	1995
119	John Fedak	1999
103	Don Henise	2000
69	Dick Byers	1998
<b>MCKEAN</b>		
155	John Fedak	2000
153	Deuane Hoffman	2000
117	Steve Graff	2000
103	Ted Grisez	1996
103	Steve Santner	1995
<b>MERCER</b>		
233	Neil Troyer	2000
232	Harvey Troyer	1999
231	Jerry Troyer	1999
216	Eli Troyer	1999
213	Deuane Hoffman	1998
211	Gene Wilhelm	1992
191	John Fedak	2000
190	Neal Troyer	1998
124	Steve Santner	1995
103	Margaret Higbee	1993
102	Randi Garrish	1999
<b>MIFFLIN</b>		
201	Deuane Hoffman	2000
159	Greg Grove	2000
113	John Fedak	1998
108	Steve Santner	1995
<b>MONROE</b>		
222	Phillips Street	1996
176	Jason Horn	1995
159	Deuane Hoffman	1999
123	Bernard Morris	1998



110	Steve Santner	1995	144	Phillips Street	1996	151	Deuane Hoffman	2000	<b>ARMSTRONG</b>		
105	John Fedak	1998	127	John Fedak	1998	136	John Fedak	1999	201	John Fedak	1997
<b>MONTGOMERY</b>			101	Steve Santner	1995	114	Steve Santner	1995	177	Scott Bastian	1996
260	William Murphy	1999	100	Barbara Haas	1993	<b>WASHINGTON</b>			152	Margaret Higbee	1993
255	Kevin Crilley	1998	<b>POTTER</b>			210	Margaret Higbee	1993	141	Steve Graff	2000
251	Jason Horn	1995	218	David Hauber	1999	209	Roger Higbee	1993	133	Bill Reddinger	1998
241	Harry Franzen	1996	145	Deuane Hoffman	2000	197	Roy Ickes	1996	116	Bill Reddinger	1999
226	Bernard Morris	2000	109	John Fedak	2000	161	Russ Ruffing	1991	113	Mark McConaughy	1998
223	Neal Thorpe	1997	104	Steve Santner	1995	145	Deuane Hoffman	2000	112	Deuane Hoffman	1998
217	Deuane Hoffman	1999	104	Paul Schwalbe	1998	141	George Malosh	1989	110	Steve Graff	1998
148	John Fedak	1998	<b>SCHUYLKILL</b>			111	Sam Sinderson	2000	<b>BEAVER</b>		
137	Steve Santner	1995	253	Tom Clauser	2000	106	John Fedak	1998	186	Bill Hintze	1999
140	Al Guarente	2000	203	Deuane Hoffman	1999	100	Steve Santner	1995	124	John Cruzan	1994
129	Thomas Mason	1999	199	Mike Ward	2000	<b>WAYNE</b>			117	Deuane Hoffman	1999
117	Thomas Reeves	2000	177	Jason Horn	1995	221	Joe Strasser	1994	110	George Malosh	1974
107	Robert Walker	1989	133	Steve Santner	1995	221	Voni Strasser	1994	105	George Malosh	1975
100	Barbara Haas	1996	127	Barbara Haas	2000	162	Deuane Hoffman	1998	<b>BEDFORD</b>		
<b>MONTOUR</b>			120	Bernard Morris	2000	129	John Fedak	1998	223	Sally Dick	1997
214	Deuane Hoffman	2000	115	Dave Rieger	2000	126	William Reid	1999	221	Tom Dick	1997
212	Barbara Haas	1996	113	John Fedak	1998	102	Steve Santner	1995	155	Deuane Hoffman	1998
206	Allen Schweinsberg	1998	104	Randy Miller	2000	<b>WESTMORELAND</b>			59	Kenneth Gabler	2000
140	John Fedak	1999	103	Bruce Carl	1998	218	Dick Byers	2000	<b>BERKS</b>		
119	Steve Santner	1995	103	Al Guarente	1999	211	Mark McConaughy	2000	252	Ken Lebo	1995
104	Kevin Crilley	1998	<b>SNYDER</b>			208	Linda Christenson	1996	240	Ken Lebo	1999
<b>NORTHAMPTON</b>			205	Deuane Hoffman	1999	188	Randi Gerrish	1999	236	Ken Lebo	1997
269	Rick Wiltraut	1998	187	Allen Schweinsberg	1998	187	Sarah Gerrish	1999	229	Ken Lebo	1996
266	Arlene Koch	2000	132	Steve Santner	1995	156	Deuane Hoffman	2000	219	Ken Lebo	1998
256	Dave DeReamus	2000	108	John Fedak	1998	142	Margaret Higbee	1993	215	Matt Wlasniewski	1999
229	Steve Boyce	1990	<b>SOMERSET</b>			137	Steve Santner	1995	210	Matt Wlasniewski	1998
228	Bernard Morris	2000	240	Jeff Payne	2000	134	John Fedak	2000	201	Matt Wlasniewski	2000
222	Michael Schall	2000	238	Scott Bastian	1999	133	Roger Higbee	1993	196	Ken Lebo	2000
221	Deuane Hoffman	2000	238	Retta Payne	2000	129	Richard Murphy	1999	187	Deuane Hoffman	1998
220	Brad Silfies	1990	177	Richard Murphy	1998	120	James Flynn	1997	152	Ernest Schiefer	1999
220	Dennis Miller	1998	159	Deuane Hoffman	1998	119	Sam Sinderson	2000	149	Ernest Schiefer	1998
219	Adam Miller	2000	149	John Fedak	2000	<b>WYOMING</b>			<b>BLAIR</b>		
201	Jason Horn	1995	126	Steve Santner	1995	248	William Reid	1999	143	Beryl Sternagle	1995
106	Steve Santner	1995	108	Randi Gerrish	1999	176	Richard Koval	1999	141	Beryl Sternagle	2000
102	John Fedak	1998	107	Sarah Gerrish	1999	152	Deuane Hoffman	2000	126	Beryl Sternagle	1990
101	Randy Miller	2000	<b>SULLIVAN</b>			143	Skip Conant	2000	121	Beryl Sternagle	1989
<b>NORTHUMBERLAND</b>			172	Nick Kerlin	2000	111	Steve Santner	1995	<b>BRADFORD</b>		
211	Deuane Hoffman	2000	161	Skip Conant	2000	118	John Fedak	2000	147	Ronald Young	1993
209	Allen Schweinsberg	1998	135	Deuane Hoffman	2000	<b>YORK</b>			146	Ronald Young	1992
166	Barbara Haas	1993	112	Randy Miller	2000	255	Deuane Hoffman	2000	141	William Reid	1999
138	John Fedak	1999	110	Thomas Reeves	2000	229	Russell Ryan	1993	102	Deuane Hoffman	1996
112	Steve Santner	1995	108	John Fedak	1998	194	Steve Santner	1995	<b>BUCKS</b>		
<b>PERRY</b>			104	Steve Santner	1995	185	Ann Pettigrew	1996	247	Devich Farbotnik	2000
240	Deuane Hoffman	2000	<b>SUSQUEHANNA</b>			172	George Wertz, Jr.	1986	224	Steve Farbotnik	1992
235	Richard Colyer	2000	182	Jerry Skinner	1999	166	Carl Garner	1999	217	Steve Farbotnik	1994
159	Don Henise	2000	177	William Reid	1999	166	Jeff Pheasant	1995	210	Devich Farbotnik	1992
157	Steve Santner	1995	150	Deuane Hoffman	2000	160	Jason Horn	1995	166	Deuane Hoffman	1998
141	Walter Shelly, Jr.	1992	105	Steve Santner	1995	156	Jonathan Heller	1998	<b>BUTLER</b>		
139	Dallas Dowhower	1992	103	John Fedak	1998	154	Kenneth Gabler	2000	245	Gene Wilhelm	1983
126	John Fedak	1998	<b>TIOGA</b>			153	Don Henise	2000	229	Gene Wilhelm	1985
120	Randy Miller	1998	223	Larry Brown	1998	150	Randy Miller	1998	225	Gene Wilhelm	1982
112	Mark McConaughy	1998	215	Arlene Brown	1998	138	Don Henise	1997	122	Deuane Hoffman	1998
110	Jonathan Heller	1998	205	Benjamin Israel	2000	111	Barbara Haas	1996	<b>CAMBRIA</b>		
<b>PHILADELPHIA</b>			174	Deuane Hoffman	1998	109	John Fedak	1998	177	John Salvetti	1992
290	John Miller	1985	153	Bruce Carl	1996	<b>County Annual Lists By County</b>			175	John Salvetti	1997
245	Frank Windfelder	1992	146	John Fedak	1999	<b>(100 Or More)</b>			174	John Salvetti	1995
243	Harry Franzen	1996	120	Steve Santner	1995	<b>ADAMS</b>			171	John Salvetti	1999
242	Al Guarente	1998	<b>UNION</b>			201	Arthur Kennell	1992	165	John Salvetti	1998
241	Barbara Haas	1996	219	Allen Schweinsberg	1998	140	Carl Garner	1991	<b>CAMERON</b>		
229	Skip Conant	2000	160	Deuane Hoffman	1999	137	Carl Garner	1998	119	Deuane Hoffman	1998
219	John Ginaven	1998	132	Barbara Haas	1996	126	Carl Garner	1999	<b>CARBON</b>		
214	Thomas Reeves	2000	117	Steve Santner	1995	105	Kenneth Gabler	2000	183	David Hawk	2000
208	Deuane Hoffman	1999	104	John Fedak	2000	105	Deuane Hoffman	1998	182	David Hawk	1999
184	Jim McKinney	1992	<b>VENANGO</b>			<b>ALLEGHENY</b>			162	David Hawk	1996
167	Jason Horn	1995	228	Gary Edwards	1995	167	Scott Kinzey	1998	155	David Hawk	1998
163	Stephen Lawrence	1990	206	John Fedak	2000	164	Scott Kinzey	1999	152	Robert Frantz	1999
154	Steve Santner	1995	175	Gene Wilhelm	1992	163	Bob Machesney	1996	145	Robert Frantz	1995
129	Thomas Mason	1999	182	Deuane Hoffman	2000	159	Bob Machesney	1997	145	Robert Frantz	1998
120	Terence Schiefer	1998	153	Nick Kerlin	1997	127	Deuane Hoffman	1998	131	Deuane Hoffman	1998
113	John Fedak	1998	103	Steve Santner	1995	114	Sam Sinderson	2000	<b>CENTRE</b>		
107	Kevin Crilley	1998	<b>WARREN</b>			110	Sam Sinderson	1999	224	Terence Schiefer	1985
101	Randy Miller	1998	227	Ted Grisez	1996	<b>County Annual Lists By County</b>			214	Terence Schiefer	1986
<b>PIKE</b>			227	Harris Johnson	1986	<b>(100 Or More)</b>					
201	Joe Strasser	1994									
201	Voni Strasser	1994									
153	Deuane Hoffman	1999									

211	Terence Schiefer	1984
170	Deuane Hoffman	1998
<b>CHESTER</b>		
225	Larry Lewis	1988
221	Larry Lewis	1983
219	Larry Lewis	1986
154	Theodore Drozdowski	2000
145	Theodore Drozdowski	1999
135	Martin Page	1999
127	Deuane Hoffman	1998
126	Theodore Drozdowski	1998
117	Martin Page	2000
<b>CLARION</b>		
231	John Fedak	1998
223	John Fedak	2000
219	John Fedak	1996
213	John Fedak	1997
208	John Fedak	1999
152	Deuane Hoffman	1998
119	Mark McConaughy	1999
115	Bill Reddinger	1999
<b>CLEARFIELD</b>		
155	John Fedak	1997
102	Deuane Hoffman	1997
<b>CLINTON</b>		
117	Deuane Hoffman	2000
115	Deuane Hoffman	1999
<b>COLUMBIA</b>		
117	Deuane Hoffman	1997
112	John Fedak	1997
111	Deuane Hoffman	1998
<b>CRAWFORD</b>		
208	Ronald Leberman	1994
202	Ronald Leberman	1989
201	Gene Wilhelm	1992
196	Ronald Leberman	2000
180	Marvin Byler	2000
174	Deuane Hoffman	1998
<b>CUMBERLAND</b>		
227	Deuane Hoffman	1989
226	Deuane Hoffman	1998
225	Deuane Hoffman	1992
221	Deuane Hoffman	2000
219	Deuane Hoffman	1999
138	Carl Garner	1998
<b>DAUPHIN</b>		
234	Deuane Hoffman	1997
231	Deuane Hoffman	1998
230	Deuane Hoffman	2000
229	Deuane Hoffman	1996
224	Deuane Hoffman	1999
210	Grace Randolph	1998
<b>DELAWARE</b>		
241	John Miller	1969
211	Al Guarente	1996
209	Al Guarente	1998
184	Al Guarente	1999
182	Al Guarente	2000
175	Skip Conant	1998
172	Skip Conant	2000
167	Skip Conant	1999
<b>ELK</b>		
116	John Fedak	1997
113	Deuane Hoffman	1996
<b>ERIE</b>		
264	Sam Stull	1979
256	Jerry McWilliams	1992
252	Jerry McWilliams	1991
238	Jerry McWilliams	1999
237	Jerry McWilliams	2000
218	Deuane Hoffman	1998
215	Jerry McWilliams	1998
212	Deuane Hoffman	1999
151	Ronald Leberman	2000
105	Steve Graff	1998

<b>FAYETTE</b>		
145	Mark McConaughy	2000
112	Mark McConaughy	1998
103	Deuane Hoffman	1998
<b>FOREST</b>		
144	April Walters	1993
143	Richard Walters	1993
132	John Fedak	1997
<b>FRANKLIN</b>		
215	Dale Gearhart	1999
185	Carl Garner	1997
180	Carl Garner	1993
180	Carl Garner	1994
178	Carl Garner	1999
174	Carl Garner	1998
156	Kenneth Gabler	1999
156	Dale Gearhart	2000
149	Kenneth Gabler	1998
148	Kenneth Gabler	2000
123	Deuane Hoffman	1998
<b>FULTON</b>		
173	Daniel Snell	1997
128	Deuane Hoffman	1996
115	Kenneth Gabler	1988
112	Deuane Hoffman	1998
108	Kenneth Gabler	2000
<b>GREENE</b>		
137	Ralph Bell	1985
134	Ralph Bell	1986
130	Ralph Bell	1990
122	Deuane Hoffman	2000
107	Deuane Hoffman	1998
<b>HUNTINGDON</b>		
205	David Kyler	1996
194	Greg Grove	1994
191	Greg Grove	1992
191	Greg Grpve	2000
180	Greg Grove	1998
137	Deuane Hoffman	1998
<b>INDIANA</b>		
206	Margaret Higbee	1993
203	Margaret Higbee	1991
195	Steve Graff	1998
186	Steve Graff	2000
131	Deuane Hoffman	1998
114	Mark McConaughy	1998
100	Mark McConaughy	1999
<b>JEFFERSON</b>		
198	John Fedak	1997
143	Deuane Hoffman	1996
121	Deuane Hoffman	1998
<b>JUNIATA</b>		
188	Aden Troyer	1996
176	Aden Troyer	1997
172	Deuane Hoffman	2000
170	Deuane Hoffman	1996
167	Deuane Hoffman	1998
167	Aden Troyer	2000
166	Aden Troyer	1995
166	Aden Troyer	1999
158	Aden Troyer	1998
<b>LACKAWANNA</b>		
182	Glenn Czulada	1996
161	Glenn Czulada	1995
117	Richard Koval	1995
103	Deuane Hoffman	1998
<b>LANCASTER</b>		
268	Deuane Hoffman	2000
255	Robert Schutsky	1992
249	Jonathan Heller	1992
239	Jonathan Heller	1993
235	Deuane Hoffman	1998
230	Deuane Hoffman	1999
216	Bruce Carl	2000
214	Bruce Carl	1999
197	Jim Mountjoy	2000

186	Jim Mountjoy	1999
185	Bruce Carl	1998
185	Randy Miller	1999
185	Randy Miller	2000
177	Randy Miller	1998
<b>LAWRENCE</b>		
210	Gene Wilhelm	1992
118	John Fedak	1997
110	Deuane Hoffman	1996
<b>LEBANON</b>		
222	Randy Miller	1999
215	Randy Miller	1993
211	Randy Miller	2000
205	Randy Miller	1996
204	Randy Miller	1998
179	Deuane Hoffman	1998
171	Bruce Weaver	1999
163	Bruce Weaver	2000
161	Deuane Hoffman	2000
<b>LEHIGH</b>		
200	Bernard Morris	1984
132	Deuane Hoffman	1998
119	Deuane Hoffman	1997
<b>LUZERNE</b>		
220	Richard Koval	1996
219	Richard Koval	1995
206	Richard Koval	1994
153	William Reid	1999
121	Deuane Hoffman	1998
<b>LYCOMING</b>		
126	Deuane Hoffman	2000
120	Deuane Hoffman	1999
112	Deuane Hoffman	1997
103	Deuane Hoffman	1998
100	Don Henise	2000
<b>MCKEAN</b>		
119	Deuane Hoffman	1996
<b>MERCER</b>		
213	Harvey Troyer	1999
212	Jerry Troyer	1999
211	Gene Wilhelm	1992
210	Neil Troyer	1999
192	Neil Troyer	1997
192	Eli Troyer	1999
186	Neil Troyer	1998
184	Neil Troyer	2000
155	Deuane Hoffman	1998
<b>MIFFLIN</b>		
160	Deuane Hoffman	1998
155	Deuane Hoffman	2000
126	Deuane Hoffman	1997
113	Deuane Hoffman	1996
<b>MONROE</b>		
103	Deuane Hoffman	1999
101	Deuane Hoffman	1998
<b>MONTGOMERY</b>		
151	Deuane Hoffman	1999
140	Deuane Hoffman	1998
132	Deuane Hoffman	1997
126	John Fedak	1997
<b>MONTOUR</b>		
143	Deuane Hoffman	2000
126	John Fedak	1997
115	Deuane Hoffman	1997
112	Deuane Hoffman	1998
<b>NORTHAMPTON</b>		
210	Adam Miller	2000
203	Michael Schall	2000
189	Dave DeReamus	1990
186	Adam Miller	1999
174	Michael Schall	1999
168	Dave DeReamus	1991
159	Dennis Miller	1996
159	Michael Schall	1997

146	Dave DeReamus	1999
133	Deuane Hoffman	1998
<b>NORTHUMBERLAND</b>		
157	Deuane Hoffman	1999
147	Deuane Hoffman	1998
144	Deuane Hoffman	1997
128	John Fedak	1997
<b>PERRY</b>		
202	Richard Colyer	1997
199	Deuane Hoffman	1995
193	Deuane Hoffman	1996
188	Deuane Hoffman	1998
184	Deuane Hoffman	2000
179	Deuane Hoffman	1999
<b>PHILADELPHIA</b>		
225	John Miller	1965
208	Edward Fingerhood	1996
162	Al Guarente	1992
135	Skip Conant	1999
133	Skip Conant	1998
132	Skip Conant	2000
127	Deuane Hoffman	1998
<b>PIKE</b>		
112	Deuane Hoffman	1999
109	Deuane Hoffman	2000
<b>POTTER</b>		
160	David Hauber	1992
160	David Hauber	1995
160	David Hauber	1999
157	David Hauber	1993
<b>SCHUYLKILL</b>		
212	Tom Clauser	1999
209	Tom Clauser	1996
208	Tom Clauser	1997
203	Tom Clauser	2000
191	Tom Clauser	1987
158	Deuane Hoffman	1998
<b>SNYDER</b>		
177	Deuane Hoffman	1998
175	Deuane Hoffman	1996
172	Deuane Hoffman	1997
158	Deuane Hoffman	2000
<b>SOMERSET</b>		
222	Scott Bastian	1999
216	Jeff Payne	1996
216	Retta Payne	1996
208	Scott Bastian	1994
<b>SULLIVAN</b>		
140	Nick Kerlin	1999
130	Nick Kerlin	1995
125	Skip Conant	1995
124	Nick Kerlin	1997
123	Skip Conant	1999
121	Skip Conant	2000
118	Skip Conant	1998
113	Nick Kerlin	1998
112	Nick Kerlin	2000
<b>SUSQUEHANNA</b>		
145	Jerry Skinner	1999
109	Deuane Hoffman	1997
107	William Reid	1999
105	Deuane Hoffman	1996
103	John Fedak	1997
103	Deuane Hoffman	1998
<b>TIOGA</b>		
197	Benjamin Israel	2000
174	Larry Brown	1998
167	Larry Brown	1992
163	Benjamin Israel	1999
160	Arlene Brown	1992
142	Arlene Brown	1998
122	Deuane Hoffman	1998

<b>UNION</b>		
121	Deuane Hoffman	1999
102	Deuane Hoffman	1998
<b>VENANGO</b>		
207	Gary Edwards	1995
194	Gary Edwards	1991
192	Russ States	1991
113	Deuane Hoffman	1998
<b>WARREN</b>		
165	Ted Grisez	1992
152	Ted Grisez	1985
117	John Fedak	1997

<b>WASHINGTON</b>		
134	Russ Ruffing	1985
132	Roy Ickes	1984
100	George Malosh	1975
<b>WAYNE</b>		
127	Deuane Hoffman	1997
121	John Fedak	1997
112	Deuane Hoffman	1998
<b>WESTMORELAND</b>		
190	Mark McConaughy	1999
179	Mark McConaughy	2000
163	Mark McConaughy	1998

<b>WYOMING</b>		
196	William Reid	1999
193	William Reid	1993
181	William Reid	1994
134	Richard Koval	1994
122	Richard Koval	1999
105	Skip Conant	2000
102	Skip Conant	1998

<b>YORK</b>		
219	Bruce Fortman	1999
214	Deuane Hoffman	1999
196	Russell Ryan	1992
191	Randy Phillips	1999
189	Deuane Hoffman	2000
182	Deuane Hoffman	1998
178	Russell Ryan	1991
153	Candy Krenzer	1999
110	Carl Garner	1999

**County Life Lists (Top 50)**

1	315	Lancaster	Randy Miller	2000
2	314	Lancaster	Eric Witmer	2000
2	314	Lancaster	Tom Garner	2000
4	311	Erie	Gerald McWilliams	2000
5	306	Lancaster	Jerry Book	2000
6	304	Lancaster	Deuane Hoffman	2000
7	303	Lancaster	Robert Schutsky	1999
8	296	Lancaster	Jonathan Heller	1998
9	294	Lancaster	Barbara Haas	2000
10	292	Berks	Ken Lebo	1999
11	292	Lancaster	Jan Witmer	1997
12	291	Erie	Sam Stull	1985
12	291	Lancaster	Harold Morrin	1996
14	290	Philadelphia	John Miller	1985
14	290	Lancaster	Bruce Carl	2000
16	289	Delaware	John Miller	1985
17	288	Erie	Deuane Hoffman	2000
18	286	Berks	Harold Lebo	2000
19	279	Luzerne	William Reid	1999
19	279	Bucks	Steve Farbotnik	2000
21	278	Erie	Joyce Hoffmann	1998
22	275	Berks	Kerry Grim	1998
22	275	Berks	Matt Wlasniewski	2000
24	274	Lancaster	Steve Santner	1995
24	274	Erie	Ed Kwater	1996
24	274	Bucks	Devich Farbotnik	2000
27	272	Centre	Merrill Wood	1991
28	270	Dauphin	Deuane Hoffman	2000
28	270	Berks	Deuane Hoffman	1999
30	269	Cumberland	Deuane Hoffman	1999
30	269	Northampton	Rick Wiltraut	1998
32	268	Chester	Larry Lewis	1988
32	268	Erie	James Flynn	1997
34	267	Butler	Gene Wilhelm	1992
36	267	Lebanon	Randy Miller	2000
36	266	Franklin	Carl Garner	1998
36	266	Northampton	Arlene Koch	2000
38	265	Franklin	Kenneth Gabler	1999
38	265	Lehigh	Fritz Brock	1998
38	265	Delaware	Al Guarente	2000
41	264	Lehigh	Bernard Morris	2000
42	263	Centre	Harry Henderson	1991
42	263	Erie	John Fedak	2000
44	262	Berks	Jason Horn	1995
45	261	Cumberland	Don Henise	2000
46	260	Lehigh	Rick Wiltraut	1998
46	260	Montgomery	William Murphy	1999
48	259	Lehigh	Jason Horn	1995
48	259	Cumberland	Robyn Henise	2000
50	256	Northampton	Dave DeRemus	2000
50	256	Delaware	Barbara Haas	2000

**County Annual Lists (Top 50)**

1	268	Lancaster	Deuane Hoffman	2000
2	264	Erie	Sam Stull	1979
3	256	Erie	Gerald McWilliams	1992
4	255	Lancaster	Robert Schutsky	1992
5	252	Berks	Ken Lebo	1995
5	252	Erie	Gerald McWilliams	1991
7	251	Erie	Gerald McWilliams	1983
7	251	Erie	Gerald McWilliams	1988
9	249	Lancaster	Jonathan Heller	1992
10	248	Erie	Gerald McWilliams	1989
11	247	Bucks	Devich Farbotnik	2000
12	246	Erie	Gerald McWilliams	1993
13	245	Butler	Gene Wilhelm	1983
14	244	Erie	Gerald McWilliams	1985
15	243	Erie	Gerald McWilliams	1979
15	243	Erie	Gerald McWilliams	1981
17	242	Erie	Gerald McWilliams	1984
18	241	Delaware	John Miller	1969
19	240	Berks	Ken Lebo	1999
19	240	Erie	Gerald McWilliams	1997
21	239	Erie	Gerald McWilliams	1994
21	239	Lancaster	Jonathan Heller	1993
23	238	Erie	Gerald McWilliams	1990
23	238	Erie	Gerald McWilliams	1999
25	237	Erie	Gerald McWilliams	1995
25	237	Erie	Gerald McWilliams	2000
27	236	Berks	Ken Lebo	1997
27	236	Lancaster	Randy Miller	1991
29	235	Lancaster	Deuane Hoffman	1998
30	234	Dauphin	Deuane Hoffman	1997
30	234	Erie	Gerald McWilliams	1980
30	234	Erie	Gerald McWilliams	1982
30	234	Erie	Gerald McWilliams	1987
30	234	Erie	Ed Kwater	1989
30	234	Lancaster	Jonathan Heller	1991
30	234	Lancaster	Randy Miller	1992
37	233	Erie	James Flynn	1979
38	232	Erie	Ed Kwater	1992
39	231	Clarion	John Fedak	1998
39	231	Dauphin	Deuane Hoffman	1998
39	231	Erie	Deuane Hoffman	1996
42	230	Dauphin	Deuane Hoffman	2000
42	230	Erie	Gerald McWilliams	1986
42	230	Erie	Deuane Hoffman	1991
42	230	Lancaster	Deuane Hoffman	1999
46	229	Berks	Ken Lebo	1996
46	229	Butler	Gene Wilhelm	1985
46	229	Dauphin	Deuane Hoffman	1996
49	228	Erie	James Flynn	1978
50	227	Cumberland	Deuane Hoffman	1989
50	227	Erie	Ed Kwater	1991
50	227	Lancaster	Deuane Hoffman	1997

# Summary of the Season - January through March 2001

by Douglas Kibbe and Roberta Zweir

As wildlife biologists, we recognize winter as a season of challenge for all avian species: year-round residents, winter visitors, late lingerers, or early returnees. As your new first quarter seasonal editors, our challenge is to interpret the reported occurrences of some 150 species which appear as scattered, random sightings in over 50 counties, in a reasoned, logical manner, while making far-fetched prognostications as to the factors which contributed to the seeming abundance, or absence, of species of interest. You can all assist us by providing qualitative, or quantitative, assessments of weather conditions and food resources in your local area each season. All readers with even a passing interest in ecology would concede that weather and food availability are normally critical limiting factors during the winter. Cold, inclement weather, ice and snowfall, and food availability set limits on virtually all species which occur in Pennsylvania during the winter.

While this rule was undoubtedly in force this past season (especially in the northwestern corner of the state), the limits set appear have to been far more lenient than those of most winters. Temperatures were generally higher and snowfall lower than normal. In Williamsport, the daily average maximum temperature was above freezing throughout the three month period, ranging from 34 degrees in January to 43 degrees in March. At Harrisburg, temperatures were even more temperate, averaging about three degrees higher over the same period. There were few ice storms or other major weather events to stress avian populations which chose to winter in the state. The much touted "storm of the century" passed over us to dump three feet of snow on parts of New England. Erie County, however, had record amounts for the season, some

areas receiving up to 240 inches (20 feet!)

Despite the milder than usual weather, there were very few "half hardies" to be found, demonstrating that in the absence of abundant food, the migratory urge generally wins. Winter finches were also in short supply, apparently being short-stopped by a bumper cone crop to the north. A much heralded **White-winged Crossbill** invasion appears to have never gotten further south than central New York. Even **American Goldfinches** and Red-breasted Nuthatches drew comments regarding their local scarcity.

Bored observers turned their attention to waterbird species whose abundance was little short of remarkable for a state not noted for its open water resources. As northern lakes remained ice locked thanks to a long and pronounced winter, the mid-Atlantic **Canada Goose** population attracted and held substantial numbers of transient waterfowl which normally overfly the state. **Snow, White-fronted** and **Ross's Geese** were never more abundantly reported. The resident **Canada Goose** populations continue to be both a blessing and a bane. Occupying most types of suburban open space, it's now not unusual to observe road killed individuals. Nocturnal testing occurred this winter in Pennsylvania on a laser-based scaring device intended to evict goose populations roosting on urban water supplies and in parks. Although the first tests terrorized most birds, it is our prediction that habituation will rapidly occur and the geese will soon be flocking to take in particularly spectacular laser light shows, much to the despair of biologists who have to deal with the ever increasing local goose populations.

Finally, few eastern Pennsylvanians appear to appreciate how fortunate

we are to have some of the finest landfills, populated by the greatest concentration of **Lesser Black-backed Gulls** in North America. Still a much sought rarity in much of the state, indeed in most of the continent, the epicenter of North American's wintering population is in the Delaware River valley, near Tullytown. The factors which make this colonist from the old world concentrate during the winter in such a small geographic area are largely a mystery. Regardless of the reasons, the fact remains that this is undoubtedly the best area for a North American birder to find literally dozens of individuals.

The finding of a **Black-backed Woodpecker** at the Pocono Environmental Education Center, created quite a furor as news of it spread belatedly through the birding community. There is, perhaps, one lesson to be learned from the sighting: never assume that someone else has spread the word or filed a report. That said, how many of you who eventually saw this exceedingly cooperative visitor for the north have filed a detailed report form? Remember that only one of at least 14 previous occurrences of this species have been adequately documented!

To assist us on future summaries of this season, we ask all observers to submit subjective evaluations regarding food supplies and weather severity. ✎

# Birds of Note - January through March 2001

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

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

Birds in *Italics* are uncommon, but occur most years. Birds Underlined occur at least 4 to 7 out of 10 years. *Italic/Underlined* occur fewer than 4 out of 10 years.

**Red-throated Loon** - *Berks*: 1 on 3/23-26 at Lake Ontelaunee (Matt Spence); *Bucks*: 1 at Nockamixon State Park 3/30 (Derek Farbotnik); *Butler*: 1 on 3/28 at Lake Arthur (D. Yovanovich), *Erie*: 1 at Presque Isle State park 3-4-11; *Tioga*: Up to 3 at Hammond Lake 3/25 though the quarter (Larry & Arlene Brown).

**Red-necked Grebe** - *Berks*: 1 on 3/31 at Lake Ontelaunee (Rudy Keller).

**American Bittern** - *Berks*: 1 on 3/31 was in a marsh near Eckville was early (Kenneth & Dorothy Grim)

**Great Egret** - *Butler*: 1 on 3/31 through the end of the quarter; *Cumberland*: 2 on 3/20 through the end of the quarter. *Dauphin*: 3 on 3/15 through the end of the quarter.

**Green Heron** - *Clinton*: 1 on 3/31 at Lock Haven was early (Lynn Earon).

**Black-crowned Night Heron** - *Lawrence*: 1 on 3/31; *Philadelphia*: 4 from 1/6 - 1/29. *York*: 3 on 3/19 at Kiwanus Lake Rookery (A. Spiese). By 3/23, 22 were present at the Kiwanus Lake Rookery with numbers increasing into April.

**Greater White-Fronted Goose** - *Chester*: 2 on 1/23 at Chambers Lake (Holly Merker); *Lebanon*: 1 from 2/11-2/18 (var. ob.) with a high of 2 on 2/17-2/18 at Memorial Lake; *Montgomery*: 1 on 2/18-2/19 with a high of 2 on 2/18 at Walt Road GLR (var. ob.).

**Ross's Goose** - *Lebanon*: 2 on 2/18 and 3/17 on Lebanon County side of Middle Creek (Randy Miller).

**Brant** - *Berks*: 1 at Lake Ontelaunee 3/11-29. *Centre*: 3/18-26. *Delaware*: 30 on 3/16 seen by the Rose Tree Park Hawk-watchers. *Lancaster*: 2 on 1/2-3; *Potter*: 1 present from December through 3/1.

**Eurasian Wigeon** - *Berks*: 1 from 2/25-3/26 near LO; *Dauphin*: 1 at Wildwood Lake on 3/24-25 (Ramsey Kourey, Joan Renninger, Peter Robinson); *Erie*: 1-2 at Presque Isle State Park from 3/4-3/22 (Jerry McWilliams); *Lancaster*: 1 at Conjohela Flats on the Susquehanna River on 3/31 (James Mountjoy).

**Surf Scoter** - *Berks*: Single birds 3/9-30 at multiple locations; *Butler*: Present 3/18-3/31 at Lake Arthur with a high of 5 on 3/18 (Evelyn & Mike Fowles,

Randy Stringer); *Erie*: Up to 4 at Presque Isle State Park from 1/13-1/30; *Tioga*: 1 on 3/31 at Cowanesque Lake (Larry & Arlene Brown).

White-winged Scoter - *Carbon*: 5 at Beltzville on 1/19 (Dave Hawk); *Erie*: 2 on 1/13 and 1 on 3/10 at Presque Isle State Park (Mike Fialkovich); *Somerset*: 1 at Somerset Lake on 3/26.

**Barrow's Goldeneye** - *Bucks*: 1 female on 1/19-3/11 at New Hope (Bill Hoehne) and possibly another on 1/27 at Yardley (Devich Farbotnik).

Broad-winged Hawk - *Blair*: 1 present for part of the quarter; *Mifflin*: 1 present during part of March (Jesse Swarey); *Pike*: 3/21 through the end of the quarter with a high of 7 at PEEC on 3/31; *Tioga*: 1 unusually early bird near Mansfield on 3/12 (Ben Israel).

**Gyrfalcon** - *Erie*: 1 present 1/27-3/31 at Presque Isle State Park (var. ob.).

Northern Bobwhite - *Chester*: Permanent resident; *Lancaster*: Permanent resident; *York*: Permanent resident.

Sandhill Crane - *Centre*: A pair was seen at the Curtin Wetlands from 2/16 through 3/11; *Chester*: 1 present 3/23-28 at Embreeville County Park; *Cumberland*: 2 near Newburg 3/29-30; *Erie*: 19 flew over Beach 11 at Presque Isle State Park on 3/14. This number of cranes is unprecedented in northwestern Pennsylvania this century; *Lawrence*: 1 on 3/1 at SGL #151 and 1 on 3/4 at Book Road (possibly a return of last year's breeding birds); *Mercer*: 2 on 3/19 at Skunk Run Rd (Troyes family).

Jaeger species - *Lancaster*: 1 on 3/18 on Susquehanna River near Peach Bottom (Deuane Hoffman, Carolyn Blatchley).

Tentatively identified as Parasitic Jaeger. No desc.

Laughing Gull - *Bucks*: 1 seen on 3/3 at Tullytown, a new early date for the county (Matt Sharp); *Delaware*: seen during March.

Little Gull - *Lancaster*: On the Susquehanna River - 1 at Wrightsville on 3/23 (Dan and Lori Heathcote) and 1 near Peach Bottom on 3/26 (Robert Schutsky).

Thayer's Gull - *Bucks*: 1 first year bird from 1/1-3/3 at Tullytown (var. ob.). 1 adult on 1/13-3/24 at Tullytown (var. ob.) with a second adult on 1/13 (no descriptions). 1 first year on 3/31 at Nockamixon State Park (Bill Etter). *Chester*: 1 at Struble Lake in late February/early March (Larry Lewis, Grier Saunders) (no details). *Erie*: 1 on 3/4 at the mouth of the channel of Presque Isle Bay (Jerry

McWilliams).

Iceland Gull - Bucks: Present throughout the quarter with a high of 12 seen at Tullytown on 2/2 (Ward Dasey, Joe Majden) and 4 during March at Peace Valley Park (var. ob.) and 2 during March at Nockamixon State Park (Bill Etter); Chester: 3 on 3/1 (Larry Lewis); Erie: 1 3/4-16 (Jerry McWilliams).

Glaucous Gull - Bucks: Present all quarter with a high of 4 seen at Tullytown on 1/13 (Ward Dasey, Joe Majden); Erie: up to 2 at Presque Isle State Park 1/31-3/25 Ben Coulter, Jerry McWilliams).

Caspian Tern - Erie: 1 early arrival on 3/30 at Presque Isle State Park (Pat Kramer).

Snowy Owl - Erie: 1 at Presque Isle State Park 1/1-2/3 (Jerry McWilliams, Mike Fialkovich); Westmoreland: 1 seen on 2/7 at Murrysville (Julia Pahountis-Opacic).

Chimney Swift - Adams: 1 early bird appeared 3/9 at Gettysburg (Jack & Nancy Locher).

Black-backed Woodpecker - Pike: 1 from 3/6 through the end of the quarter at Pocono Environmental Education Center in Dingman's Ferry (Patrick Scheuer, var. ob.).

Eastern Wood-pewee - York: 2 at Gifford Pinchot State Park on 3/20 (Pat Sabold) (no details).

Ash-throated Flycatcher - Lancaster: 1 first seen in December was, last noted on 1/6 at Safe Harbor (Bruce Carl). This was the first record for the county.

Loggerhead Shrike - Adams: Permanent resident.

Blue-headed Vireo - Cumberland: 1 at King's Gap State Park on 3/19 through the end of the quarter (Deaune Hoffman); Pike: 1 at PEEC from 3/22 through the end of the quarter (Patrick Scheuer).

Common Raven - Berks: 1 on 2/7 at Peters Creek near Lake Ontelaunee (Matt Spence). This is a rare occurrence south of the Kittatiny Ridge.

Purple Martin - Greene: 1 on 3/19 through the end of the quarter.; Juniata: 1 on 3/18 through the quarter at Mifflintown martin colony (Kathy Kern).

Northern Rough-winged Swallow - Berks: 1 at Lake Ontelaunee on 3/31 (Matt Spence); Bucks: 1 at Peace Valley Park on 3/20 was a new early date for the county (Ray Hendrick); Cumberland: 3 at the West Fairview boat launch from 3/27 through the end of the quarter (Ramsay Koury); Dauphin: 1 along the Susquehanna River at Harrisburg from 3/24 through the end of the quarter (Ramsey

Koury, Joan Renninger); York: 1 on 3/31.

Barn Swallow - Butler: 1 unusually early bird at Lake Arthur from 3/25 through the end of the quarter (Debbie Yovanovich, Dave Darney); Clinton: 1 on 3/31 at Lock Haven (Lynn Earon). Dauphin: 1 along the Susquehanna River at Harrisburg from 3/24 through the end of the quarter (Ramsey Koury, Joan Renninger); Delaware: 1 at Philadelphia International Airport on 3/31 (Nick Pulcinella); Westmoreland: 1 at Manito Lake on 3/31 (Dennis Lauffer).

House Wren - Juniata: 1 along the Juniata River from 3/11 through the end of the quarter (Daniel Kaneagy).

Blue-gray Gnatcatcher - Pike: 2 at PEEC from 3/27 through the end of the quarter (Patrick Scheuer).

Brown Thrasher - Bucks: 1 from 1/1-24 at Peace Valley Park (Chuck Crunkleton, Elaine Ryan). 1 on 1/26 at Nockamixon State Park (August & Judy Mirabella); Centre: 1 from 3/30 through the quarter.; Columbia: 1 at Jamison City from 3/30 through the end of the quarter (Judy Lynn).

Orange-crowned Warbler - Philadelphia: 1 found on 1/6 at Morris Arboretum (Keith Russell, K. Somerville).

Palm Warbler - Lancaster: 1 at the water outlet in Washington Boro. Present all quarter.

Clay-colored Sparrow - Berks: 1 on 1/8 and earlier near Mount Pleasant (Joan Silagy). This is the fourth county occurrence since 1997; Bucks: 1 at Peace Valley Park 1/2-2/28 (Ken Reiker).

Dicksissel - Bucks: 1 present at feeder in Warminster in January (Jim & Susan Milligan); Delaware: 1 at a feeder in Norwood 2/27-3/18 (Nick Pulcinella).

Brewer's Blackbird - Carbon: 2 on 3/24 (Rob Barowski, David Hawk); Greene: 1 on 1/20-21 at a feeder (Kathy Kern).

Baltimore Oriole - Bucks: 1 seen at an Upper Makefield suet feeder starting 1/3 and continuing for about 4 weeks, a new early date for the county; Westmorland: 1 adult on 1/1 at a feeder just west of Ligonier (Mike and Evelyn Fowles).

Red Crossbill - Lebanon: 2 on 2/26 at State Game Lands #145 (Randy Miller).

Common Redpoll - Clinton: 1 on 3/8 at a feeder in Lock Haven (Lynn Earon).

Evening Grosbeak - Carbon: 12 in Lower Towamensing Township on 1/21 (Nancy Selinsky). Potter: 35 in Coudersport on 3/20 (Steve Sevinsky).

## Local Notes

### *Adams County*

There were 92 species reported during the quarter, including 14 species of waterfowl. During the same quarter last year there were 95 species reported, including 17 species of waterfowl.

The most intriguing report of the period was of two probable **Glossy Ibis** (B Myers) seen 3/19 in a wet area at the intersection of Centennial and Bon-Ox roads near New Oxford. He described the birds as “dark brown, with long decurved bills, about the size of Mallards”, and said that they looked like the winter plumage Glossy Ibis in his bird book. They were not found the next day. Migrating **Tundra Swans** were seen from 2/ 27 (100 at L. Heritage) to 3/9 (75 at Long Pine Run Reservoir).

Some interesting raptors were found. An immature **Northern Goshawk** was seen on Mountain Road 1/ 8 and 3/8 (D Siefken). A dark morph **Rough-legged Hawk** was seen 1/11 along Shriver Road (P Robinson). A **Merlin** was seen 1/16 on Mountain Road (DS). Both shrikes were found in the county. There are a few resident **Loggerhead Shrikes** and an immature **Northern Shrike** was seen at Mountain Road from 2/28 to 3/3, then again on 3/19.

There was only one **Red-breasted Nuthatch** and one **Winter Wren** report. A wintering **Gray Catbird** was seen 2/1 in Gettysburg (J&N Locher). Winter visitors were hard to find. There were no reports of crossbills, redpolls, Pine Siskin, or Evening Grosbeaks.

First birds of the year included **American Woodcock** found 2/15 in Fairfield (R. Ryan), **Eastern Phoebe** 3/18 on Mountain Road (DS), **Tree Swallow** 3/19 in Fairfield (R Ryan), and **Chipping Sparrow** seen 3/26 in Gettysburg (J&N Locher).

### *Allegheny County*

Locations: Dashields Dam (DASH), Highland Park Bridge (HPB), Imperial (IMP), Ohio River (OR)

An early **Double-crested Cormorant** was seen at Duck Hollow on the Monongehela River 1/13 (R&S Gerrish). The first **Turkey Vulture** was reported at Creighton on 2/6, which was early (D Hess).

We had a nice variety of waterfowl on the rivers in Pittsburgh this quarter. High counts including 7 **Canvasbacks** 1/18 at Riverfront Park on the South Side (C Tague, S Varley), a **Northern Pintail** at Boston (K St John), 6 **Northern Shovelers** 3/3 at North Park (B Machesney), 2 **Ruddy Ducks** 3/5 at IMP (S Kinzey), 2 **American Wigeon** at IMP 3/23 (D&W

Schaffer), 3 **Greater Scaup** at DH 3/28 (J&S Solomon), 12 **American Black Ducks** on the OR 1/12 (P Brown), 4 **Common Goldeneyes** on the OR 1/2 (PB), 32 **Ring-necked Ducks** at IMP 3/23 (D&WS), 6 **Hooded Mergansers** on the OR 2/12 (PB), single **Red-breasted Mergansers** at various locations, and 5 **Common Mergansers** in Verona 3/5 (SK).

Five **American Woodcocks** were heard displaying at Imperial 3/18 (M Fialkovich).

A **Great Black-backed Gull** was seen 1/26 & 1/29 (SK, PH) at the HPB, 2/18 at McKees Rocks (SK), and 3/20 at the HPB (SK). This may be the same bird which was seen during the CBC. A **Lesser Black-backed Gull** was a great find at the DASH on the OR 1/6 (SK). The bird was seen again 1/7 (var.ob.). This was the third county record. A high count of 65 **Herring Gulls** were recorded 1/9 at DASH (SK).

The **Merlins** continued to roost at the Schenley Park Golf Course during the quarter and were last reported 3/25 (MF). A maximum of four birds were seen. Two **Bald Eagles** were seen at DASH 1/6 and 1/7. A single bird remained to 1/14 (var.ob.).

Unusual were two male **Brown-headed Cowbirds** visiting a feeder in Pine Township 1/15 (P&S Lynch).

A great count of 19 **Northern Cardinals** together in a yard in Sealer Township was noteworthy (J Hoffmann). An early **Field Sparrow** was seen at IMP 1/29 (D&WS).

### *Armstrong County*

Location: Keystone Reservoir (KR)

The Allegheny River yielded the early January records for **Common Loon**, **Pied-billed Grebe**, **Horned Grebe**, **Common Merganser**, and **American Coot** as all calm water was completely frozen. A few other species (**Northern Pintail**, **Canvasback**, **Redhead**, **Ring-necked Duck**, **Lesser Scaup**, and **Bufflehead**) wintered in the county thanks to heated water at Keystone Power Plant and/or mine drainage treatment ponds. **Bald Eagles** were noted at four locations, adults on 1/21 (G Varanasi) at Seminole, on 2/17 (J Hudak) near Cadogan, on 3/8 (S&T Graff) at KR, and an immature bird 1/28 (D Lauffer) at Templeton; 2 adult eagles were observed interacting at KR 3/10 (G Kavish ,L Lowndes). Only one **Rough-legged Hawk** was noted this quarter. It was sighted at Mateer 2/27 (B&C Jackman). Two **Short-eared Owls** were present near WL 1/7 (DL), and the lone **Saw-whet Owl**, roosting in a stand of pines near KR 3/18 (SG), was being mobbed

by **Blue Jays**. An **Eastern Phoebe** near Elderton 1/5 (M&R Higbee) was feeding near at the edge of a mine drainage treatment pond. This pond is roughly two miles from the treatment pond that harbored the December phoebe. Farm fields near Worthington yielded 1 **Lapland Longspur** and up to 9 **Snow Buntings** 1/6-7 (SG, DL).

#### *Bedford County*

This report is mostly observations from the Dunnings Creek Wetlands (DCW) and Allegheny Front Hawk Watch (AF). Winter's deep freeze lessened its grip allowing ice to thaw in late February opening the door to waterfowl in western PA. For the most part winter finches and other exciting winter birds were largely absent.

The following are high counts for waterfowl for the quarter at DCW. Three **Pied-billed Grebes** on 3/13, 6 **Great Blue Herons** on 3/4 and 210 **Tundra Swans** on 3/10. Out of that group 5 swans were banded and band recovery information on three indicated they were banded approximately one year ago, two in North Carolina and one in Virginia. Over 1100 **Canada Geese** were counted on 2/25, 137 **Wood Duck** on 3/31, 130 **Green-winged Teal** on 3/31, 45 **American Black Ducks** on 3/13, 440 **Mallards** on 3/31, 75 **Northern Pintails** on 3/13, 42 **Blue-winged Teal** on 3/31, 12 **Northern Shovelers** on 3/24, 58 **Gadwalls** on 3/13, 199 **American Wigeons** on 3/31, 32 **Canvasbacks** on 3/31 and 64 **Redheads** on 3/12. **Ring-necked Ducks**, although present the whole quarter, topped out at 250 on 3/18. Other numbers of interest were a high of only 6 for **Greater Scaup** (3/31) while **Lesser Scaup** reached 160 on 3/13. On 3/28 a single **Long-tailed Duck** showed up and lingered for a few days. Eighteen **Common Goldeneyes** on 3/13, 12 **Buffleheads** on 3/13, 22 **Hooded Mergansers** on 3/11, 1 **Common Merganser** on 3/18, 2 **Red-breasted Mergansers** on 3/11, and 7 **Ruddy Ducks** on 3/21 finished the quarterly high for ducks and geese.

Two **Black Vultures** on 3/24 at DCW were early for this species. The Allegheny Front Hawk Watch was brutal this year with extreme chill factors and frequent days of fog. Numbers are half of the previous years. The following high numbers were reported: 2 **Bald Eagles** at AF on 3/2, 5 **Northern Harriers** at DCW on 3/1, 12 **Sharp-shinned Hawks** at AF on 3/6, 12 **Cooper's Hawks** at AF on 3/4 (C Mincone), 1 **Northern Goshawk** on February 27 at AF, 6 **Red-shouldered Hawks** at AF on 2/27 and 2 at DCW on 1/29, 28 **Red-tails** at AF on 3/20, 2 **Rough-legged Hawks** at DCW on 2/25 hung out for a month, 21 **Golden Eagles** at AF on 3/12, 3 **American Kestrels** on 3/19, 1 **Merlin** on 3/23 at AF and 1 **Peregrine Falcon** at AF on 3/1.

Sixty **Common Snipe** were counted at DCW on 3/25 and substantial numbers of **American Woodcocks** moved into the wetlands around 3/28. 927 **Ring-billed Gulls** were found flying over the AF on 2/27 (C.Mincone). **Short-eared Owls** arrived at DCW in January and left around 3/22. 114 **American Pipits** were counted on 3/31 on short grass meadows at DCW. Our earliest warbler was a **Black-and-white Warbler** on 3/3 on the DCW riparian forest (R.McGlynn).

#### *Berks County*

Locations: Blue Marsh Lake (BML), Glen Morgan Lake (GML), Hawk Mountain Sanctuary (HMS), Lake Ontelaunee (LO), State Game Land 110, Kittatinny Ridge (SGL).

Loons and grebes trickled in as lakes thawed later in the quarter, including a **Red-throated Loon** at LO 3/23-26 (M Spence) and a **Red-necked Grebe** there 3/31 (R Keller). An early **American Bittern** was in a marsh near Eckville 3/31 (K&D Grim). A congregation of 50 **Great Blue Herons** at a pond near Rehrersburg 3/9 (S Fields) may have been breeders at the large Bethel heronry nearby. Both vulture spp. stayed all winter, with a high of 24 **Black Vultures** surviving quite well on a cow carcass near Fleetwood 1/28 (E Barrell).

A **Greater White-fronted Goose** was migrating with Canadas near Oley 2/4 (RK) and another was with Snows at LO 2/26 (K Knight). **Snow Geese** peaked at 15,000 at LO 2/17-21 (RK, KK). As in previous years, there were many yellow collared females, this batch hatched mostly in the 1990's and banded at Bylot Island, arctic Canada, according to the USGS Bird Banding Lab. Among the tens of thousands of **Canada Geese** that passed through in February were many intermediate sized birds, including an orange collared female (H1A7) at Oley 2/11 (RK) that had been banded at Povungnituk, N Quebec 8/1/99 after she had nested, says Jack Hughes of the Canadian Wildlife Service (pers. com.). There were 2-3 small-race Canadas at LO 2/24 (RK) and another 3/10 (RK, MS), all short billed and significantly smaller than the Snow Geese with which they flocked. They were intergrades, not precisely matching any of the small Canada Goose subspp. illustrated in the newer field guides. A pale-bellied **Brant** was in a flooded field near LO 3/11 (P Saenger) to 3/29.

A **Eurasian Wigeon** drake was seen by many birders around LO 2/25-3/26. A **Mallard x Black Duck** hybrid drake was at LO 3/3 (RK). It was unusual to get 8 reports of **Redhead**, an uncommon duck here, scattered throughout the quarter, with a high count of 18 on 3/29 (MS). A flock of 60 **Canvasbacks** at their favorite pond at Grace Mine, Morgantown 3/27 (KK)



was typical. Four **Long-tailed Ducks** were seen on various lakes 3/9-30 (RK, MS, M Wlasniewski). LO attracted the only 3 **Common Goldeneyes** 1/7-3/11 (PS, MS, B Uhrich). In March, birders scoped 1-3 **Red-breasted Mergansers** out of the hordes of **Common Mergansers**, which peaked at 1100 3/27 at LO (H Lebo).

January raptor migrants at HMS included 10 **Bald Eagles**, 3 **Northern Goshawks**, 6 **Red-shouldered Hawks**, 5 **Rough-legged Hawks** and 2 **Golden Eagles** (D Barber). A few Rough-legs stayed to hunt the fields near BML with **Northern Harriers** till early March. There were 5 reports of 1 or 2 **Lesser Black-backed Gulls** at LO 1/7-3/27 (KK, MS), and 5 reports of single **Great Black-backed Gulls** in the same period (RK, MS, MW). Three **Barn Owls** found roosting together in a nest box in Rehlersburg 2/14 (R Bonnett) were presumed to be last year's fledglings still on their natal territory. Another **Barn Owl** was flushed from pines at BML 3/18 (RK, H&J Silagy).

An **Eastern Phoebe** wintered at Eckville (DB). The adult **Northern Shrike** first reported at BML 12/28/00 stayed on its field and hedgerow territory until 3/24 (EB,H&JS). It sang for long periods on its favorite whitewashed snag, was seen catching and hiding prey, and often engaged in mutual harassment with the local mockingbirds. (Apparently singing is no indicator of gender, as both males and females sing, according to Paul Hess.) A **Common Raven** seen and heard at Peters Creek near LO 2/7 (MS) is a very rare record south of the Kittatinny Ridge. The only concentration of **Red-breasted Nuthatches** was found in Virginia Pines on the Kittatinny, with 3-5 at SGL 1/13 & 2/18 (T Clauser). Heavy berry crops kept **Eastern Bluebirds**, **American Robins** and **Cedar Waxwings** common all winter. A **Hermit Thrush** overwintered in a yard near Bechtelsville, thanks to a large winterberry holly crop (J Kintner).

A **Pine Warbler** arrived on its territory at Green Hills Lake on the record early date of 3/3 (K Lebo). A **Clay-colored Sparrow** in a weedy field near Mt. Pleasant 1/8 and earlier (JS) is the 4th county record since 1997. Two **Chipping Sparrows** overwintered at a feeder in Hamburg, and 1 began singing in early April (K Grim). A large flock of 2000 **Horned Larks** was found near Windsor Castle 2/9 (A Muller), but only 2 **Snow Buntings** were reported near Lyons 1/6 and 2/7 (KL,MS). **Purple Finches** were reported at only 2 feeders all quarter (P&D Reynolds, MW).

#### *Bucks County*

Locations: Nockamixon State Park (NSP), Peace Valley Park (PVP), Tinicum Twp. (TNT)

Temperatures were near average with snow cover

through January and part of February. Lakes were mostly ice covered but opened by middle of March. Unusual was a **Horned Grebe** at PVP 1/21 (D Farbotnik). There were as many as 30 **Great Cormorants** on the Delaware River at Bensalem (DF). On 3/12, over 100 **Tundra Swans** flew over Rushland (S Conyne). **Greater White-fronted Geese** were present until at least 3/11 in the PVP/Pine Run Dam area (K Rieker, A Mirabella, DF) with a new state high count of five on 3/11 (DF). A "**Richardson's**" **Canada Goose** was reported from Quakertown on 2/18 (B Ettler). Nice counts for Bucks were 28 **Canvasbacks** 3/8 (KR), 14 **Redheads** 3/8 (BE), 212 **Ring-necked Ducks** 3/10 (AM), and 22 **Greater Scaup** 3/17 (DF), all at NSP. A **Long-tailed Duck** at Uhlerstown 1/21 (DF) was only the second January county report. The species taking the best bird prize for the quarter was a female **Barrow's Goldeneye** at New Hope 1/19 to 3/11 (B Hoehne). This is the second report for the county. It was traveling with 58 **Common Goldeneyes**. Possibly a second female **Barrow's** was found 10 miles south at Yardley on 1/27 (DF). **Common Merganser** continues its recent impressive numbers with 1500+ at both PVP (AM) and NSP (BE) in mid-March. A **Red-breasted Merganser** set a new early date for the county on 2/15 at PVP (C Cruckleton, E Ryan).

**Bald Eagles** were present all quarter at various locations with an impressive peak of 11 (6 adult, 4 immature, 1 sub-adult) on 3/9 at NSP (BE). A **Northern Goshawk** was at Revere 1/18 (DF), one was at NSP on 3/7 (BE) and again on 3/31 (DF). **Rough-legged Hawks** made a good showing with at least eight reports (var. ob.). A rare spring **Golden Eagle** flew over NSP on 3/19 (BE). **Peregrine Falcon** again took up residence on the Bucks end of the PA Turnpike bridge (M Sharp). One was also at PVP on 2/20 (Dn Aiman). A **Merlin** was at TNT from 2/4 to at least 3/29 (DAL). No **Ruffed Grouse** were reported this quarter.

A new early date report for **Laughing Gull** was one on 3/3 at Tullytown (MS). At least 12 **Iceland Gulls** on 2/2 were reported from Tullytown (EPL, W Dasey, Jo. Maiden), while 4 at PVP (var. ob.), and 2 at NSP (BE) were seen in March. At least four **Glaucous Gulls** were at Tullytown on 1/13 (EPL, WD, JoM). **Lesser Black-backed Gull** continues its rapid increase with reports of 75 at Tullytown 1/13 (EPL), 60 at PVP on 3/7(AM), 30 at Tullytown 3/24 (WD), 30 at NSP 3/29 (BE), and smaller numbers at several other locations (R French, C Rutt). The total Bucks Co. winter population would be interesting to know considering the rarity of this species elsewhere. An adult mystery gull with yellow legs found by KR at NSP, which was lighter than a Lesser and darker than a Herring Gull and closer in size to a Herring, may have been a hybrid. A 1st year **Thayer's Gull** from 1/1 to 3/3 (var. ob.) and an adult from 1/13 to 3/24 (var. ob.) were reported from

Tullytown. A second adult was also reported there 1/13 (EPL). A 1st year bird was reported from NSP 3/31 (BE). This is only the second year that reports have been received for this species by the Bucks Co. compiler, although they have been reported on the NJ side before.

No **Barn Owls** were reported this quarter. **Long-eared Owl** was first reported from PVP 1/12 (AM) with a peak of 4 on 3/17 (DF). Another was in Rushland 1/14 (SC). **Short-eared Owl** was first reported 1/12 at Bedminster Twp. (BE, DF) with a peak of 5 there in March (BE). **Saw-whet Owl** was reported from Richland Twp. 2 on 1/5 (DF), TNT 2/3 (D Allison), and NSP 2/16 (DF). No **Red-headed Woodpeckers** were reported this quarter. Unusual were 26 **Northern Flickers** in a farm field at Blooming Glen on 1/21 (CR). Seventy **Horned Larks** were found at Dublin 1/3 (KR), 55 at Blooming Glen to 3/5 (CR), 30 at Tinicum 1/11 (DAL), with a peak of 175 at Dublin 1/13 (AM). A new early date report for **Rough-winged Swallow** was 3/20 at PVP (R Hendrick). A very large roost of thousands of **American Robins** was at Tinicum in January (DAL). More reports than usual were received for **Gray Catbird** with 1 each at NSP 1/24 (BE), 1/26 (AM, J Mirabella), and 2/28 (EPL), Chalfont 1/29 (RF), PVP 2/1 (AM) and 2/10 (DF). Of interest was a white **Northern Mockingbird** with pink legs and bill, and yellow irises, which returned to a Trevoise yard in March for the second year (N Zahn). A **Brown Thrasher** was at PVP from 1/1 (CC, E Ryan) to 1/24 (AM) and 1 was seen at NSP 1/26 (A&JM). The only **American Pipits** reported were 20 at Blooming Glen 3/28 (CR).

Unusual for central Bucks in winter was a **Chipping Sparrow** at PVP on 1/1 (C Crunckleton, ER). The number increased to 9 by 2/24 (AM), and they were still present through at least mid-March. Far more unusual was the eighth county report of a **Clay-colored Sparrow** seen 1/2 through 2/28 at PVP (KR). It was joined by the **Chipping Sparrows**, providing a good comparison. A **Lapland Longspur** made a brief appearance 2/24 in Dublin (AM). Up to 4 **Snow Buntings** were at Dublin during January, and 13 flew by PVP on 1/5 (R Frock, R Hendrick). A **Dickcissel** was at a feeder in Warminster at least once in January (J&S Milligan). Six **Rusty Blackbirds** at TNT 1/16 (DAL) was the county's earliest reported January record. The first reported county record for **Baltimore Oriole** in the month of January was at an Upper Makefield Twp. suet feeder. It remained for about four weeks starting 1/3 (AB). Exotic: An **Egyptian Goose** appeared at PVP from 3/20 to 3/23 (A&JM). It is probably the same one that was there last year.

#### *Butler County*

Location: Lake Arthur (LA)

A diver of special interest was a **Red-throated Loon** at LA) 3/28 (D Yovanovich), but this quarter's main story involved thousands of waterfowl – some in record numbers since the lake's impoundment in 1970. Species highlights were a **Snow Goose** 3/12-17 (var. ob.), an uncommon bird in the state's western region, a **Trumpeter Swan** 3/1-3 with collar M81 (see below), and 5 **Surf Scoters** 3/18 (E & M Fowles, R Stringer) dwindling to 1 on 3/31 (D Darney, DY). The remarkable maximum counts were 300 **Canvasbacks** 3/11 (B Machesney), second highest count ever reported at the lake; 700 **Redheads** 3/17 (Bartramian Audubon Society group), an all-time record beating the previous high count of 600 in 1974; 3,300 **Ring-necked Ducks** 3/17 (BAS group), an all-time record far ahead of the previous high count of 1,300 in 1972; and 1,000 **Lesser Scaup** 3/10 (P Hess, S Karas, S Sinderson), well short of the record of 3,600 in 1972 but still an excellent total.

Here is the wide-ranging tale of **Trumpeter Swan** M81, a 4-year-old male collared and released at the Mosquito Creek Wildlife Area near Warren, Ohio. Dave Darney and Debbie Yovanovich saw him at LA Dec. 9-15. He left when the lake froze, then showed up Dec. 27 at Lake Brittle in Virginia. L. Arthur must have been attractive for rest and food because Dave and Debbie found him again Mar. 1-3. It turns out that M81 was on the way back to his summer home at a small lake near Kitchener, Ontario. As this is written in April, he has joined another Trumpeter there, and perhaps breeding is in store. (This information is from Dave Sherman, wildlife biologist at Crane Creek Research Station, Oak Harbor, Ohio, and Bob Nairn, who lives at the Kitchener lake and reports regularly to Dave about M81's activities.)

First **Osprey** was seen 3/25 carrying sticks to its LA nesting platform (C & F McCullough). Besides the regular nesting **Bald Eagle** pair at Glades, where incubation was well in progress by the end of the quarter, at least 4 individuals of various ages were present at LA (var. ob.). An interesting find at Jennings Nature Reserve was a broken **American Woodcock** egg, probably a predator's work, on the somewhat early date of 3/31 (DY), just six days after the earliest date listed in the breeding bird atlas. A **Barn Swallow** 3/25 at Moraine S.P. (DD, DY) was five days earlier than previous first-date for the county. Two **Snow Buntings** at Marion Township 1/11 (K Behrens, PH) were the only report.

#### *Cambria County*

Dave Gobert noted his first winter wren in two years and reported that though he checked several flocks of 50 or so **Horned Larks**, he could only find 4 **Snow Buntings** and for the first time, recorded no Lapland Longspur.

Judy Johns stated that this was the first time the **Carolina Wrens** stayed all winter, and noted that the **Red-bellied Woodpecker**, once rather rare in her neck of the woods, was more common this winter. She also observed a **Red-breasted Nuthatch** in her area.

#### *Carbon County*

On March 24, 2001 a male and a female **Brewer's Blackbird** were observed (R Barowski, D Hawk). The female was chocolate brown overall with a dark eye. The male resembled a Common Grackle except with a shorter tail and a yellow eye.

#### *Centre County*

**Black Vultures** are unusual for Centre County, so reports of a flock in the Hublersburg area for most of the quarter (D Ombalski) and an individual at Colyer Lake in March (J Dunn) are noteworthy. Most of the lakes and ponds remained frozen till the end of the quarter, but small numbers of waterfowl did linger at areas that did not freeze completely, such as Centre Furnace Pond and Bald Eagle State Park. The area experienced a major influx of waterfowl for a few days in mid-March, with over 20 species reported. Notable sightings included a **Brant** at Colyer Lake (G Young) and a large flock of **Snow Geese** at Bald Eagle State Park and Curtin Wetlands (R Snyder, M Heath, A MacEachren.) The "female" **Northern Shoveler** reported from Centre Furnace Pond last quarter remained throughout the present quarter and made a liar out of the compiler by moulting into male breeding plumage.

**Bald Eagles** were at Bald Eagle State Park for the entire quarter; individuals were also observed at Colyer Lake and Black Moshannon State Park. **Golden Eagles** were found in Penns Valley (J Gyekis) and Black Moshannon State Park (MH).

The **Sandhill Crane** reported last year must have found a mate, because the Curtin Wetlands were host to two **Sandhill Cranes** in late February and early March (RS). Many observers got good looks at the pair, which stayed at the wetlands for nearly three weeks.

A **Greater Yellowlegs** put in an early but brief appearance at the Curtin Wetlands (D Brauning, M Brittingham. var ob.) The only owl report of note was a **Northern Saw-whet Owl** at SGL 176 (S McConnell). A **Red-headed Woodpecker** was observed sporadically throughout the quarter near Tusseyville (MH).

A **Northern Shrike** was found at Bald Eagle State Park (MH, NE Kiernan). **American Pipits** - scattered individuals and a small flock - were found in the State College area (R Fuller, JD, MH) and Colyer Lake (SM);

**Lapland Longspurs** were reported from the same area in State College (M Rockmore).

The only winter finches reported were small numbers of **Pine Siskins** at Bear Meadows, and a **Pine Grosbeak** seen and heard briefly at Black Moshannon State Park (N Bolgiano).

And finally, a small correction. The **Common Redpolls** reported last quarter were found in December, not November as mentioned in Local Notes.

#### *Chester County*

On 1/12 a **Canada Goose** of a smaller race "which appeared to be a **Richardson's** subspecies " was reported (H Merker). "The bird was approximately half the size of the other geese surrounding it, and the breast appeared darker in comparison to those of the common form. The size difference was eye-capturing, and this was a neat bird to look at."

Two **Greater White-fronted Geese** were found on 1/23 at Chambers Lake (HM). "The two birds appeared to be of the Greenland race with bright orange bills, legs, and feet, and heavy black barring on the belly." The RBA for the week of Feb. 4-9 had a report of water birds at Marsh Creek: **Pied-billed Grebe, Ring-necked Duck, Lesser Scaup, Common Goldeneye, Hooded Merganser, Ruddy Duck, and American Coot**. A huge gathering of birds was observed at Struble Lake the end of February through the beginning of March (L Lewis, G Saunders). On 3/1 Larry estimated that 180 birds per minute, mostly **Ring-billed Gulls**, were landing on Struble Lake for a period of two hours. An estimated 80,000 to 90,000 birds, including 35,000 to 40,000 gulls (90% Ring-billed) and several thousand **Snow Geese**, as well as many species of ducks were seen. All three mergansers were seen at Marsh Creek on 2/20: **Hooded** (7), **Common** (112), and **Red-breasted** (1) (HM). On 3/23 at Struble Lake, HM watched a male **Common Merganser** swim at the side of his deceased mate the entire time she was there (for over 30 minutes). "Regardless of the fact that the female was just floating along dead by his side, he never left her, even when they strayed away from their flock and closer into the shoreline."

At Chambers Lake on 3/11 Rick Robinson observed 45 **Tundra Swans**, 3 male **Hooded Mergansers**, many **American Wigeon, Common Mergansers**, several **American Coots, Mallards, Canada Geese**, and many **Ring-necked Ducks** - "a fine show." He said it was interesting to watch the **Ring-billed Gulls** "prey" upon the **Hooded Mergansers**. Any time a "hoodie" came up with a fish, a gull would go right after it, the merganser would submerge and that was that. Not once did the gulls get an easy meal.

A Winter Raptor Survey (WRs) on 1/27 tallied 193 **Turkey Vultures** and 66 **Red-tailed Hawks** amongst others. (var. ob.) . Rick Robinson observed A third-year **Bald Eagle** was observed trying to procure a **Snow Goose** for breakfast on 2/25 at Chambers Lake (R Robinson) . The goose escaped but seemed to be mortally wounded as it swam ashore and struggled up onto land. A total of 7 sightings of **Bald Eagles** were reported for the quarter. Two birds were seen at Marsh Creek and 1 at Chambers Lake (T Drozdowski, RR, HM). Three or more **Bald Eagles** were apparently making appearances in the county.

**Lesser Black-backed Gulls** were seen throughout the quarter (var. ob.). Individuals were seen at Marsh Creek on 2/6 and 2/8, Chambers Lake on 2/9, 2/20, and 3/3, and Struble Lake on 2/27.

During the same period of late February into early March, 8 species of gulls were seen at Struble: **Ring-billed, Lesser Black-backed, Herring, Great Black-backed, 3 Iceland, 1 Thayer's** (no details), **Bonaparte's, and Laughing** (LL, GS).

A **Pine Warbler** was found sporadically throughout the winter at Nottingham County Park.(HM ). A very early **Baltimore Oriole** (first year male) was present in Jeff McLaughlin's yard in East Vincent Township, Spring City, from March 12 into April.

A **Sandhill Crane** was found at Embreeville County. The bird continued to be seen up to 3/28 (var. ob.).

#### *Clarion County*

On 2/9 the Clarion River at Cook Forest State Park was almost completely frozen over. Nevertheless, a **Belted Kingfisher** was perched on a branch over the one tiny hole that was open at Troutman Run Junction. (M Buckwalter)

On 3/18 9 **Short-eared Owls** were reported at Curlsville (J Fedak). "The owls were flying at 5:30 p.m. in clear, sunny skies. What interested me most was the sound: barking, cooing (or wooing) and wing-clapping. At least three different pairs clasped talons from a good height and fell to the ground. If I am not mistaken, at least one of the pairs appeared to be coupling. This seems early to me and my resources: (Todd, Sibley, etc.) do not mention courtship this early or even nests this early, but I do not believe I was mistaken. This is the site that produced young last year."

#### *Clinton County*

Location: Lock Haven (LH)

Highlights for the quarter included a juvenile **Bald Eagle** near Renovo on 1/28 (D Rockey) and on 2/27 in

the same area. (J Curtis). In late February and throughout March waterfowl appeared in good numbers with 3/9 and 3/26 producing large numbers and a variety of waterfowl. On 3/31, 10 **Northern Shovelers** were seen on the Susquehanna at McElhatten (B Zbegner). The first sighting of **Tree Swallows** was on 3/24 at Lock Haven (J Bowes) and of a **Barn Swallow** on 3/31 in LH (L Earon). An early **Green Heron** was seen on 3/31 at LH (LE). On 3/29 a **Pine Warbler** was found in McElhatten (JB). Although winter finches were notably absent during the quarter, a single **Common Redpoll** was seen at a feeder in LH on 3/8 (LE). **Eastern Meadowlarks** were seen in a field near LH on 3/14 (S Hunter).

#### *Columbia County*

Despite both the January and February thaws and indeed even spring itself apparently being cancelled this year, birds seem to have coped, albeit with a little later arrival date than usual. They may be accustomed to cancellations and delays in their flight plans -- just like humans.

Waterfowl numbers were down as many of the local ponds were frozen well into March. **Common Mergansers** were in streams and on the Susquehanna River in usual numbers. A group of 20 of them during the last week of March were somewhat unusual in that the females outnumbered the males (S Killam)

A spectacular day-long movement of **Canada Geese** on 3/7 was a largely unsuccessful attempt to push winter back north ahead of them. A flock of 150+ **Snow Geese** in the Asbury area on 3/11 gave a very vocal low-level overhead fly by and then a more distant look-down view as they flew along the base of Huntington Mt.. The bread-fed **Mallards** at Briar Creek Reservoir were infiltrated by a **Brant** and a **Snow Goose** during the last week of March and into April. The 4 **Horned Grebes** there behaved normally.

Two **Rough-legged Hawks** on 3/9 and a **Northern Shrike** on 3/12 were brief visitors to the Rhorsburg area. **American Woodcocks** were present there from 2/24. Two adult **Bald Eagles** were near Berwick through the quarter. **Ring-billed Gulls** attracted local press coverage as they did their mall parking lot thing.

**American Robins**, common and visible the previous three or four mild winters, were absent until snow cover disappeared in late February. Then they were everywhere in large numbers and in no hurry to move on. **Eastern Phoebe** and **Tree Swallow** were about a week late.

**Purple Finches** and **American Goldfinches** were regulars at many feeders (as usual) but other finches

and **Red-breasted Nuthatches** were infrequent or absent.

#### *Dauphin County*

Dauphin County experienced its coldest winter since 1996 although we dodged the couple “noreasters” that hit eastern PA. The Susquehanna remained 90% frozen into early February and its water level was higher than normal through March due to snow melt from the northern tier. March was unusually cool lacking even a single 60 degree day. A **Northern Shrike** was observed in East Hanover Twp. in early March (S&R Zaino) while a **Eurasian Wigeon** spent a couple days at Wildwood Lake 3/24-25 (R Koury, J Renninger, P Robinson).

Although a few species of waterfowl spent the winter on patches of open water on the Susquehanna, the real action began as the river thawed in late February. By early March, **Pied-billed** and **Horned Grebes**, **Tundra Swans**, **Northern Pintails**, **Northern Shovelers**, **American Wigeons**, **Canvasbacks**, **Ring-necked Ducks**, **Greater** and **Lesser Scaup** and **Red-breasted Mergansers** joined those overwintering species (var. ob.). Also in early March, large flocks of **Snow Geese** were reported flying north over Stony Valley 3/4 (T Smith).

**Bald Eagle** reports were common during the quarter especially along the river north of Millersburg. Five were observed from the Montgomery Ferry boat access sitting on ice flows 1/12 (P&R Williams) and as many as ten were found in mid-February in the same part of the river (E Chubb *et.al.*). Both the pair of **Bald Eagles** on Haldeman Island (S Bills) and the **Peregrine Falcons** in downtown Harrisburg had reestablished nests by the end of March. A **Rough-legged Hawk** was observed along Swatara Rd. near Hershey 1/1 (S&RZ) and a **Merlin** was discovered in Harrisburg 1/9 (N&C Juris). On a raptor survey across the northern part of the county, 43 **Red-tailed Hawks** were tallied 1/12 (RK, JR).

Bonaparte's Gulls were first reported 2/17 (RK) but their numbers increased dramatically along the river in late March and early April. **Double-crested Cormorants** returned 3/10 (G Randolph, R Williams) while the first **Great Egrets** were observed at Wildwood Lake 3/15 (M Herrold, L Massey).

A **Chipping Sparrow** lingered in the Manada area until 1/4 while the only warbler reported this quarter was a hearty **Pine Warbler** found in the same area 1/7 (D Franz). Five **Rusty Blackbirds** were found a Wildwood Lake 3/24 (RK, JR), both **Purple Finches** 3/25 and **Pine Siskin** 3/30 paid a visit to a Carsonville feeder (J&J Funck).

#### *Delaware County*

Locations: Delaware River (DR), Springton Reservoir (SR), Tyler Arboretum (TA)

Weeks of snow cover and sub-freezing temps made this winter more normal than the *El Niño-La Niña* seasons of the past, but harder on birds and birders. As a result small ponds and even SR were frozen for weeks, decreasing sightings and forcing waterfowl into open areas on the DR and passerines to backyard feeders. An imm. **Dickcissel** was at Nick Pulcinella's Norwood feeder 2/27-3/18 (var. ob.). Another unusual visitor was a **Chipping Sparrow** 1/20. Ninety eight species were seen this quarter.

Open water at SR held **Pied-billed Grebe**, **Ruddy Duck** 2/7, **Ring-necked Duck** 1/15, **Common Goldeneye** 1/12, **Bufflehead** 1/15 and **Common** and **Hooded Merganser** throughout the quarter (A. Guarente). On the DR 100 **Tundra Swans** were found 1/31 (NP) with 4 **Greater Scaup** 1/7-31 (NP, AG). Up to 15 **Canvasbacks** and a pair of **Redheads** gathered off the UPS area of the DR. from 1/14 through mid-February (G Gorton, AG). A lone **Long-tailed Duck** was off Marcus Hook 3/17 (AG). A **Merlin** hunted the SR shores through Jan. and Feb., and an immature **Bald Eagle** lingered for a few days in early Feb. (D McGovern). Adult eagles were common along the DR, often around what has become the only **Bald Eagle** nest in the Delaware Valley! At TA a **Red-shouldered Hawk** was found 1/25 (AG) and reported through 3/7. The **Barred Owl** in Middletown continued to be seen. Rose Tree Park Spring Hawk Watch opened 3/11 with less than 100 raptors in the first week, but by 3/20 raptor, goose and passerine flights were good. 400 **Cedar Waxwings** flew over on 3/17, 1200 **Snow Geese** on 3/20 and 30 **Brant** on 3/16. By 3/31 more than 400 raptors of 13 species were tallied including 2 **Northern Goshawks**.

A flock of 42 **Snow Buntings** and 2 **Horned Larks** (J Miller) were seen throughout the quarter at Phil. Intl. Airport (var. ob.). Winter finch reports were non-existent and only a few **Red-breasted Nuthatches** stayed in the Pinetum at TA. Early arrivals included **Pine Warbler** 3/7, **Tree Swallow** 3/20, **Barn Swallow** 3/31 at Philadelphia International Airport (NP), and **Eastern Phoebe** at TA 3/14 (T Reeves).

#### *Erie County*

Winter was severe through the reporting period with a record snowfall at the Erie International Airport topping 149 inches. Franklin Township south of Erie recorded at least a whopping 240 inches. Despite the heavy snow cover some birds often negatively affected by prolonged snow cover, like **Wild Turkey** and

**Carolina Wren**, managed to survive in good numbers through the end of the period.

Waterfowl peaked in Presque Isle Bay at around 15,000 birds by the third week of March. Most waterfowl during this period were **Canvasback**, **Greater** and **Lesser Scaup**, and **Common Goldeneye**. The most notable waterfowl event this season was the abundance of **Snow Geese** that staged in a large cornfield along Melhorn Road north of Fairview near the Lake Erie shore. Unsubstantiated reports that 100 or more **Snow Geese** were seen at this site during the evenings of March 13th through the 18th were received. **Snow Geese** are annual in Erie County, but usually only two or three individuals are reported. The **Snow Geese** were also accompanied by a locally high count of over 2000 **Canada Geese**. Other unusual sightings were the 19 **Sandhill Cranes** flying over beach 11. This number of cranes is unprecedented in northwestern Pennsylvania this century.

The white morph **Gyr Falcon** seen at Gull Point was a first for Erie County in that color morph.

#### *Forest County*

Although no activity was reported at the old **Bald Eagle** nest near Five Forks Restaurant, there were several reports of **Bald Eagles** this quarter. A pair of adults were seen on 1/12 near the mouth of Little Tionesta Creek (R Daum) and a single adult was reported nearby at Hunter's Station on 1/25 (T Bean). Immatures were spotted at Cook Forest on 2/27 (D Luthringer) also 1 at Buzzard Swamp on 3/19 and 2 at Tionesta on 3/29 (F&J McGuire).

A pair of **Northern Goshawks** were observed calling and holding territory at Cook Forest on 2/28. (DL) Tionesta Lake remained frozen for the entire quarter, but a nice variety of waterfowl was found on the Allegheny River at Tionesta on 3/29: 2 **Common Loons**, 1 **Pied-billed Grebe**, 4 **Wood Ducks**, 1 **Green-winged Teal**, 5 **Ring-necked Ducks**, 7 **Bufflehead**, 4 **Hooded Mergansers** and 7 **Common Mergansers** (F&JM).

First **American Woodcock** was heard on German Hill 3/29 (F&JM).

The only **Pine Siskin** report was a single at Cook Forest on 1/26 (DL).

#### *Fulton County*

Locations: Forbes Trail Road pond (FTRP), Meadow Grounds Lake (MGL)

Fulton County's first winter raptor survey on 1/13 produced 12 **Red-tailed Hawks**, 11 **American Kestrels**, 1 **Cooper's Hawk** and 1 **Golden Eagle**. (D

Snell). Noteworthy was the 2<sup>nd</sup> year or adult eagle near Ft Littleton. **Rough-legged Hawk** is seldom reported in Fulton, but this quarter a dark-morph near Plum Run 2/21 (D Hoffman) and a light-morph individual at Buck Valley 2/11 (DS) were discovered.

Some good waterfowl species were reported. A drake **Canvasback** lingered at the FTRP for nearly a month. (DH, DS). A drake **Pintail x Mallard** hybrid was noted at Haines-Seville Wetlands 2/20 (DS.) In May 2000, this hybrid type was discovered at those wetlands (photo forwarded to PORC), and I speculated that it was the same individual bird. On 3/11 at MGL a large waterfowl raft of **Ring-necked Ducks**, **mergansers**, and **scaup** also included 16 **American Wigeons**, 4 **Long-tailed Ducks**, 2 **Common Goldeneyes**, and 16 **Horned Grebes**.

Two early shorebird records in the country included singing **American Woodcock** at Harrisonville 2/15 (MN) and a **Greater Yellowlegs** near Dott 3/31 (DS). The best wild turkey sightings of the quarter were in the farmer's field directly west of the FTRP (DS). On 3/28 a turkey lek in action was seen 5 displaying gobblers within 32 individuals (DS). A 3/30 trip produced 1 displaying gobbler with 19 individuals. On 3/28 an **Eastern Meadowlark** was in the MGL dam breast (DS). This was my first record for this species at MGL and my highest known altitude record in Fulton at 1500 feet. **Swamp Sparrows** wintered at the Haines-Seville Wetlands rest area successfully.

#### *Greene County*

One **Brewer's Blackbird** was seen this quarter at a feeder for two days 1/20 and 1/21 (K Kern). (3 were reported there last quarter.) An average of 40 **Red-winged Blackbirds** dined regularly there all winter as well. They were mostly female and first winter males (still brown striped but with a hint of epaulets). The number grew to a flock of 100 in late February.

One **Golden Eagle** was seen at Ryerson Station State Park (M Howard). Several duck species were reported at Duke Lake at Ryerson, including **Greater** and **Lesser Scaup**, **American Wigeon**, **Bufflehead**, and **Common** and **Red-breasted Mergansers**. (MH) One **Pied-billed Grebe** was found at the old Wisecarver water dam in West Waynesburg (K Reeves), and 8 **Blue-winged Teal** in the Khedive area in a small farm pond (KR)..

All observers agreed that several common winter residents were very low in number or absent this winter, such as **American Tree Sparrow**, **Purple Finch**, **Pine Siskin**, **Brown Creeper**, **Red-Breasted Nuthatch**, **Fox Sparrow**, and **Yellow-bellied Sapsucker** to name a few.

### *Huntingdon County*

A cold, mostly uneventful quarter with the most noteworthy news coming from the Tussey Mountain. Eagle watch on the Huntingdon/Centre border. Staffed full time, from late Feb. through 3/31, approximately 120 **Golden Eagles** were counted with more still passing through by mid-April. Final numbers will be reported next quarter.

The other raptor news was the beginning of nesting activity again for the **Bald Eagle** pair at Lake Raystown.

A large fallout of **Horned Grebes** occurred on Lake Raystown on 3/10. One-two **Common Snipe** wintered in the McAlevy's Fort area (G Grove). The first **American Woodcock** returned to Huntingdon on 2/25 (D Kyler). A **Northern Shrike** was at Whipple Dam S.P. on 3/4 (GG).

**Rusty Blackbirds** were noted on 2/10 and 3/17 (DK, GG). A few first dates: **Eastern Phoebe**, 3/14 (DK); **Tree Swallow** 3/17 (R Fowles, J Swarey); and **Chipping Sparrow** 3/30 (GG). There was almost no winter finch activity except a few **Purple Finch** reports - including a flock of 20 at McAlevy's Fort 2/11 (GG).

### *Indiana County*

Location: Yellow Creek State Park (YC)

Waterfowl numbers peaked in mid-March with especially high counts on the 13<sup>th</sup>. **Rough-legged Hawks** exhibited a good presence this winter with reports from five locations; 1 at YC 3/30 (B&C Jackman) was unusually late. The **Short-eared Owls** reported last quarter seemed to disappear after a heavy snowfall, but 1 was spotted 1/14 (B&CJ) at West Lebanon. Three adult **Red-headed Woodpeckers**, seldom reported in the county, were noted east of Bow Ridge 3/19 (M Fowles, M Keppler). An early **Eastern Phoebe** appeared in a backyard near Shelocta 2122 (M&R Higbee). **Fish Crows** continue to draw attention on the IUP campus where at least 7 were present 1/21 (S Graff). A flock of **Horned Larks** included 2 **Snow Buntings** near Clarksburg 1126 (M&RH). Two **Gray Catbirds** wintering at YC were last noted 1/29 (M&RH) when the berry producing shrubs on which they had been subsisting were almost completely stripped of fruit. **Pine Warbler** returned 3/30 (M&RH) to hulled sunflower feeders near Shelocta.

### *Juniata County*

This year was an exceptional good year for waterfowl with high numbers of **American Wigeon**, **Redhead**, and **Lesser Scaup**.

We were again fortunate to see **Short-eared Owls** all quarter. On Feb 21, 3 **Short-eared Owls**. 4 **Rough-legged Hawks**, and 2 **Northern Harriers** were seen East of Van Wert. The first **Purple Martin** was seen on 3/18 at the martin colony site in Mifflintown. According to records ([www.purplemartin.org](http://www.purplemartin.org)) the adult male **Purple Martin** was the first martin seen in the state of Pennsylvania for the year 2001. The **Chipping Sparrow** that was first seen on 2/2 at feeders in Centre, helped eliminate some of our "Spring Fever". It was seen regularly at dawn and dusk for the first 8 days, then only during foul weather for the rest of the quarter (T Petersheim).

### *Lancaster County*

The first spring record for **Eared Grebe** occurred from 3/12-20 on the Susquehanna River near Peach Bottom (var. ob.). On 3/18, a jaeger that was tentatively identified as a **Parasitic** was sighted in the same area (D Hoffman, C Blatchley). As the **Bonaparte's Gull** numbers built towards the end of the quarter, **Little Gulls** showed up at the Susquehanna River near Wrightsville on 3/23 (D&L Heathcote) and near Peach Bottom on 3/26 (R Schutsky).

The continued presence of the county's first **Ash-throated Flycatcher** was one of the highlights of the quarter. It was last noted on 1/6 at Safe Harbor (B Carl). A sighting of 6 **Pine Siskins** near Mount Joy on 9/2/00 was accidentally omitted in a prior quarter (R Miller).

### *Lawrence County*

**Sandhill Cranes** were reported on 3/1 at SGL #151 and 3/4 at Book Rd (G&B Dean). A **Belted Kingfisher** was seen at Edinburgh Lake on 3/4 (G&BD). Eight **Cedar Waxwings** were reported on 3/8 and 40 on 3/17 (R Walzcak).

### *Lebanon County*

Locations: Memorial Lake State Park (ML), Middle Creek Wildlife Management Area (MC)

Three **Horned Grebes** were found at ML on 3/17 (B Weaver). Seventy **Black Vultures** were counted at Colebrook on 2/27. A **Greater White-fronted Goose** at ML on 2/11 (R Miller, BW) was joined by a second on 2/17 (K Miller, RM). They were last seen on 2/18 (R Spreha). Both had the bright orange bill and legs of the Greenland race. **Snow Geese** peaked at MC on 2/18 with 80,000. Two **Ross's Geese** were found on the Lebanon County side of MC on 2/18 and 3/17 (RM). **Tundra Swans** peaked at 10,000 at MC on 3/10. Five **Blue-winged Teal** were found at ML on 3/5 for a new early date. (RS). **Northern Pintail** at MC on 3/10 peaked at 317 for a new high count. (RM). Seven

**Canvasbacks** were found in a small pond next to Lebanon Valley College on 3/10 (KM, RM). **Redheads** were present from 3/5-24 with a peak of 17 on 3/9 at ML for a new high count (RS, RM., BW). **Hooded Mergansers** peaked on 3/9 at ML with 31, a new high (RM). **American Coot** peaked on 3/31 at ML with 57.

**American Woodcock** were first found on 2/26 at SGL #145 with 10 being flushed before dark (KM, RM). **Eastern Phoebe** was first found on 3/20 on SGL #145. (A Mease). A **Northern Shrike** at ML on 1/17 was not found again. (RS). **Tree Swallows** were first found at SGL #145 on 3/20 (AM). **Snow Buntings** were reported twice in the county, 30 on 2/5 (BW) and 30 on 2/16 (RM). Two **Red Crossbills** were found on 2/26 at SGL #145 (RM).

#### *Lycoming County*

Location: Rose Valley Lake (RVL)

Waterfowl were seen in good numbers during the quarter, especially after the thaw of RVL. Especially high counts of **Ring-necked Ducks** (3/31 - 300+) and **Hooded Mergansers** (3/25 - 100+) were observed. **Bald Eagle** sightings continue to increase each year. A new nest has been discovered in Lycoming County in the Cammal area of Pine Creek. The White Deer Ridge Hawk watch produced 27 **Golden Eagles** this quarter. With more observation this could become a major site for spring **Golden Eagles**. A pair of **Peregrine Falcons** were observed in Williamsport for nearly two months, however, they have not been seen during the last month of the quarter. We continue to search the area for nesting activity. A lone **Northern Shrike** report occurred at the Reish Residence in Upper Fairfield Township on 3/24. Three **American Pipit**, not often reported, were seen in Nippenose Valley on 1/27. No reports were received for winter finches.

#### *Mercer County*

Location: Shenango R. Reservoir (SRR)

**Canada Goose** began nesting 3/25 at SRR The **Tundra Swan** seen flying over the SRR causeway 1/16 was probably a very late south bound migrant, while 50+ on 2/28 at Williamson Rd. were surely headed north.

Reports of **Bald Eagle** are now so common throughout the state that sightings no longer excite - except in this county: We have a pair nesting since mid-March on an Osprey platform (upon which a **Canada Goose** nested last year) near the propagation ponds at the Headquarters Building at SRR! This choice of sites occurs in Florida occasionally, but is very rare in Pennsylvania. There are also active eagle nests at Lake Wilhelm, Saguallas Ponds, Big Bend, and 3 more within

the SRR watershed (but in Ohio). Noteworthy was a **Northern Goshawk** at Lake Wilhelm 3/31 (Troyer Family). **Killdeer** were present all winter, as indicated by sightings 1/12 and 2/24, both Nicklin Lane (TF), and also perhaps **American Woodcock** (2/20, 3/14) on Williamson Road (TF). The **Red-headed Woodpecker** colony at the SRR Golden Run Access Area beaver pond was still active with 1 or 2 spotted 1/21 through the end of the quarter (S Butcher). One **Yellow-bellied Sapsucker** 2/23 at Grove City was an uncommon winter visitor (R Stringer), and 2 were also present 3/18 on Skunk Run Road (TF). Skunk Run Road

was also the place for 2 **Sandhill Cranes** 3/19 (TF). **Eastern Phoebe** was early at Williamson Road 3/15 (TF), but 6 days later than average (3/24) at SRR. **Tree Swallow** was early with 5 at SRR 3/18 (SB).

The best bird was the **Northern Shrike** at Golden Run Access Area on 3/18 (SB). And finally, **Wild Turkey** numbers are increasing, and **House Finch** numbers are decreasing.

#### *Mifflin County*

Waterfowl migration was interesting as usual at our favorite observation places. From Mifflin County line to the Huntingdon County line we have the influx appearing in due time, coming up the Juniata River to Lewistown, Granville, McVeytown, Ryde, (especially along the Wharton Road), Newton Hamilton and Mapleton Depot. It is very interesting to watch the migrants come up the Juniata River from these close observation spots along the way. Regular seasonal birds in good numbers this quarter at feeders, were Junco, **Northern Cardinals**, **Carolina Wrens**, **Mourning Doves**, **White-throated Sparrows**, **Downy**, **Hairy**, **Red-bellied Woodpeckers** and a **Pileated** visited our suet buffet as well as **House Finches** and too many **European Starlings**. **Cedar Waxwings** came to the persimmon tree several times and finally cleared it of fruit after the weather warmed and unfroze the fruit. We also had **Eastern Bluebirds** using the nest boxes for winter protection. We enjoyed watching them keep warm as the winter turned cold. It was a nice winter "birdwise".

#### *Monroe County*

A single **Black Vulture** was seen over Tannersville 3/28 (B. Hardman), and territorial **Red-shouldered Hawks** were near Marshall's Creek 3/7 (BH) and Bushkill 3/18 (D. Speicher). A possible **Golden Eagle** was reported 2/27 feeding on a road-killed deer north of Mountainhome on Rt. 191 (R Spotts).

The first **Killdeer** report came from Bartonsville 3/11 (DS) and 20 **Common Snipe** were in Cherry Valley 3/30 (Eastern PA Birdline). The first report of displaying **American Woodcock** was in Canadensis



3/13 (J Rituper). The **Red-headed Woodpeckers**, at least 2 individuals, possibly 3, continued through the entire quarter in the swamp near the headquarters of the Delaware Water Gap National Recreation Area (BH). A nice report came from Tobyhanna where a flock of 40 **Snow Buntings** was observed in early February (D Motts).

#### *Montgomery County*

Location: Green Lane Reservoir (GLR), Upper Perkiomen Valley Park (UPV)

The first quarter brought seasonably low temperatures and plenty of ice cover at GLR and elsewhere. **Common Loons** were right on schedule at GLR 3/27 (B Kahley), and **Double-crested Cormorants** arrived just ahead of them 3/24 (G Franchois). Both **Pied-billed** and **Horned Grebes** were found in small numbers (var. ob.). Waterfowl variety was below average at 21 species, but did include a few rarities. Two adult **White-fronted Geese** were at Walt Rd, GLR 2/18 (GF) and one was there the following day (A&J Mirabella). Two **Mute Swans** spent part of the period at Walt Rd, GLR. (var. ob.). **Tundra Swans** were scarce at GLR, with a high of 26 on 3/13 (K Crilley). Other noteworthy waterfowl species and numbers at GLR included a very early **Wood Duck** at Upper Perkiomen Park 2/15 (K Stagl), 70 **American Wigeons** 3/13 (KC), 134 **Northern Pintails** 3/2 (GF), 1-2 **Canvasbacks** on various dates (GF, KC), and 85 **Ring-necked Ducks** at Walt Road, GLR 3/9 (GF).

Eleven raptor species reported was certainly above average for the quarter. Up to 3 **Bald Eagles** again dined on "*Branta canadensis* on ice" at GLR. The remains of several geese were found some 200 yards from the lake shore - presumably dragged there by a coyote or fox after the eagles had finished. (KC). Our high **Northern Harrier** count came from Gwynedd Preserve where 4 were tallied 1/29 (A&JM). Smaller numbers were found sporadically at GLR (var. ob.). **Red-shouldered Hawk** has become scarce in Montgomery of late, so reports from Knight Rd and Church Rd, GLR, and Collegeville were somewhat encouraging (KC, GF, P&A Guris). A partial albino **Red-tailed Hawk** was at Gwynedd Preserve 1/11-29 (A&JM). Up to 2 light-morph **Rough-legged Hawks** spent most of January at Church Rd, GLR (var. ob.), and a high of 3 birds (2 light and 1 dark) were seen in nearby Upper Hanover Township 1/17 (A&JM). A fly-over immature Golden Eagle at the GLR Nature Center 3/31 was a nice way to end the period. A **Merlin** was along Knight Rd, GLR 2/4-8 (GF, KC). Another big surprise was an adult **Peregrine Falcon** seen by Paul Guris from his office window in Trooper. (Now there is someone who "works" as hard as I do).

As has become the case in neighboring Bucks County, we had more reports of **Lesser Black-backed Gull** than of **Great Black-backed**. Reports of the former came in from Ambler, GLR, and UPV.

The **Northern Shrike** reported last period remained through the period at Church Rd, GLR. (var. ob.). Another report came from Kutztown and Bethesda Church Roads, some 3 miles to the North on 3/8 (A&JM). Obviously, it is not known whether this represents 1 or 2 individuals. It is noteworthy that while heavily birded, GLR's first record for **Northern Shrike** was in 1995-96, and this year's bird marks only the 3<sup>rd</sup> county record !

After a big **Red-breasted Nuthatch** invasion last winter, our only report this quarter was of 2 birds 3/11 at Fort Washington State Park. (B&NM). **Winter Wrens** were noted at Haverford College 1/1-3/17 (SJ), and Gwynedd Preserve 2/12 (A&JM). Haverford College also hosted a very tame **Ruby-crowned Kinglet** through the period (SJ). Sheryl writes: "Yesterday, in the dreadful rain, he (the kinglet) must have been starving because when Karl went out to fill the feeder he landed on top of it at which point Karl froze in position. The bedraggled kinglet then hopped down onto the suet cake Karl was holding, sat on the plastic rim of the container and ate heartily before flying off." Completing Johnson's winter songbird hat-trick at HC was a **Hermit Thrush** 2/28 (SJ). A **Gray Catbird** at Gwynedd Preserve 1/11 was another surprise.

**Pine Warbler** at FWP 3/13 was earlier than usual (BNM). Another out-of-season bird at FWP was a **Chipping Sparrow**. 1/4 (B&NM). **Fox Sparrows** were reported from Haverford College, Upper Gwynedd Township, and a high of 3 birds at Knight Road, GLR (SJ, A&JM, G&AF). Up to 4 **White-crowned Sparrows** were in a hedgerow along Buck Rd, GLR (KC). **Purple Finch** numbers were again low overall, but a high of 25 were at the Guris's feeders near UPV 3/3 (P&AG).

#### *Perry County*

A paucity of reports hindered this quarter's report. 1 **Lapland Longspur**, 150 **Horned Larks** and 12 **Snow Buntings** were seen west of Millerstown on 1/23 after a snowfall. On the same day, 9 **Red Crossbills** were seen at the Hemlocks Natural Area.

#### *Philadelphia County*

Location: Delaware River (DR)

Addendum to 4<sup>th</sup> Quarter 2000: Two immature **Brant** were observed on the Schuylkill near Fairmount Park from 10/19-12/1 (var. ob.).

On 1/6, the 15th **Philadelphia Mid-Winter Bird**

**Census** located 90 species and 22,626 individuals when 39 birders coordinated by Keith Russell braved sub-freezing temps and snow-covered trails to get a snapshot view of Philly's winter bird life. Extreme weather contributed to many waterfowl and passerine misses, as well as merganser and raptor increases. Misses included **Northern Pintail**, **Lesser Scaup**, **Ring-necked**, and **Redhead** ducks. **Pileated Woodpecker** was missed for the first time and **Gray Catbird** for the second. Inexplicably, less hardy species like 15 **Yellow-rumped Warblers**, 59 **Common Grackles** and 13 **Ruby-crowned Kinglets** (24 high in 2000) were found by several parties. Five **Brown Creepers** and 215 **Dark-eyed Juncos** were record lows, while **White-throated Sparrow**, **American Robin**, **House Finch**, and **American Goldfinch** were 50% below normal. Reported during the count week, but not seen on the 6<sup>th</sup>, were **Barred Owl** in the L. Wissahickon/East Falls area (W Moody) and **Jackdaw** 1/11 by John French, bird curator at the Zoo.

Other records included 4 **Red-breasted Mergansers**, 2<sup>nd</sup> record, found at two points along the DR (D Cutler, C&S Hence). **Common Mergansers** were at their 4<sup>th</sup> highest of 414, probably because they were frozen out of small ponds and congregated on open rivers. Two adult **Bald Eagles** (M Sharp) were the 4<sup>th</sup> record in five years, since the first bird appeared on the count in 1997. The first "**Nelson's**" **Gull** (Glaucous x Herring hybrid) was found near Poquessing Creek (MS) on the DR. **Lesser Black-backed Gulls**, numbering in the hundreds north of the city in Florence, NJ, spilled over into Philly with 3 found on the DR (MS) and one on the Schuylkill at the Art Museum (S Kerr). **Northern Harriers**, which have been declining, were at a record high of 12. An **Orange-crowned Warbler** was found at Morris Arboretum - the 4<sup>th</sup> occurrence. (K Russell, K Somerville).

As predicted last quarter, a pair of **Bald Eagles** is nesting within earshot of Philly. Stay tuned for reports of their success! The **Osprey** pair first seen 3/15 occupied the DR buoy nest site on 3/17 (C Lyman). Two **Peregrine Falcon** nest sites show definite activity.

A **Chipping Sparrow** found 1/6 on PMWBC held on at C Hetzel's Roxborough feeder through Jan. and Feb. There were no reports of winter finches. **Tree Swallows** returned to Roxborough 3/15(CH) and Tinicum (var. obs). A **Pine Warbler** sang in K Russell's Mt. Airy yard 3/24 and several were at Tinicum 3/26 (C Muntean). Eighty-six species were reported this quarter.

#### *Pike County*

An immature **Bald Eagle** was seen taking an **American Black Duck**. It circled and dove at the duck

twice, and the third time, it landed on the duck. It took about 30 seconds for the **Bald Eagle** to get airborne again while carrying the duck. (P Scheuer)

On 3/30, more than 20 **American Woodcocks** put on a great display at the Loch Lomond Marshes. A **Field Sparrow** stayed at Loch Lomond all winter, visiting the feeder almost daily.

#### *Potter County*

One **Brant** spent December through the first of March at a pond near the intersection of routes 44 and 49, three miles from Coudersport. More **Northern Shrikes** than normal were located during February and March, most in the Genesee - North Bingham area. (J Mitterer) Two male **Eastern Towhees** spent the winter around the Thompson nursery at Hebron. A **Short-eared Owl** was located on Jack Mitterer's farm on 2/24.

#### *Schuylkill County*

Locations: Hawk Mountain Sanctuary (HMS), Landingville Dam (LVD), Schwartz Valley Road (SVR)

Single **Horned Grebes** were at the LVD on 3/14 (T Clauser) and at the Ringtown Reservoir on 3/16 (TC). On 3/12, a flock of 100 **Snow Geese** was seen in the Hidden Valley area (AM Liebner). A nice flock of 16 **Tundra Swans** was at LVD on 2/20 (TC). Three **Canvasbacks** were at LVD on 3/13 (D Krue). Not recorded in many recent years, it was good to have up to 8 **Redheads** at LVD from 3/7-3/30 (TC, B Jucker, et al). Single **Common Goldeneye** were at LVD on 1/28 and 3/10 (TC). A **Red-breasted Merganser** was at the dam on 3/10 (TC). In addition, good numbers of **American Wigeons**, **Northern Pintails**, and **Ring-necked Ducks** were at LVD during the first quarter. This was one of the best quarters for waterfowl at LVD in recent years.

A good post-season of raptors, including **Bald Eagle**, **Golden Eagle**, and **Rough-legged Hawk**, was tallied at HMS during the 1st quarter (S Thorpe, R Homa, J Scholtes). Away from the Kittatinny Ridge, a **Bald Eagle** was seen in the Sweet Arrow Lake area on 2/3 (C Morgan, D Donmoyer). An adult **Bald Eagle** was at LVD on 3/1 (DEP Staff), and an immature was there on 3/3 (TC). A pair of rather late southbound **Golden Eagles** were seen at HMS on 1/25 (ST). Another **Golden Eagle** was at Salon 3/25 (B Stauffer). A few **Rough-legged Hawks** were also seen away from the Kittatinny during the 1st quarter. Single **Rough-legged Hawks** were at Ringtown on 2/3 (M Gamble), a dark-phase at the SVR area on 2/10 (TC), a light-phase at SVR on 2/18 (BJ, DK), and a dark-phase at SVR on 3/16 (S Weidensaul).

A **Red-headed Woodpecker** was seen in the Ringtown area on 1/27(MG), and another was at LVD on 3/13 (D Zimmerman). For the 4th consecutive year, an **Eastern Phoebe** was seen at the Landingville Marsh in Jan. (var. ob). Single **Northern Shrikes** were at the north lookout of HMS on 1/1(D Barber), and at LVD on 3/10 (B&P Morris) and 3/11 (TC).

A **Gray Catbird** was in Pottsville on 1/20 (M Ward), **Snow Buntings** were seen in the Lewistown Valley 1/15-2/8 (TC), and a flock of 25 was at HMS on 1/25 (ST). A few **Purple Finches** were seen during the quarter, but not in any large numbers as in some years. Up to 3 **Pine Siskins** were at the Ringtown area 1/19-2/11 (MG).

#### *Somerset County*

A **Trumpeter Swan** returned to Berlin on 3/27 after being sighted there last fall. The bird was banded in Wisconsin as a first-year female. Two neck-collared **Tundra Swans** were observed at Somerset Lake on 3/11 that were banded 11 miles north of Pungo, NC (A Marich). Leg band data for Mallards checked at Somerset Lake showed birds that were banded at Delaware, Ontario, Canada; at Valders, WI; and at Seneca Falls, NY (AM). Over 100 **Redheads** were at Somerset Lake on 3/18 (S Bastian) and 300+ **Ring-necked Ducks** along with 200 **Lesser Scaup** were at the Quemahoning Reservoir on 3/22 (D Byers). A neck-collared **Canada Goose** banded near Cottage, NY was seen through January at Confluence, and this was the third consecutive winter that it was present there (AM). **Rough-legged Hawks** were observed near Berlin - both color morphs were present (J&L Payne, SB). A **Northern Shrike** was observed at Tom Dick's home in early March (TD). Two **Yellow-bellied Sapsuckers** overwintered in Markleton as well as three **Eastern Towhees** and two **White-throated Sparrows** (AM). Two **Snow Buntings** were spotted near Sipesville on 3/11 (SB). One **Pine Siskin** was seen at Payne's Place in mid-March (J&LP).

#### *Sullivan County*

There were virtually no waterfowl reports, due to lakes and ponds remaining frozen throughout the quarter. Expected early songbird arrivals had, for the most part, still not made appearances by the end of the quarter. Feeder species and numbers remained at very low levels as per last quarter.

A **Golden Eagle** found shot near Mildred on 3/13 was recovering at an area wildlife rehabilitator's facility (N Kerlin).

#### *Tioga County*

A **Great Blue Heron** was hunkered down on the ice staring into a small hole on Mill Creek 1/27 (B Israel).

After a break in the very cold weather, an adult **Bald Eagle** was observed on 1/15 on ice at the Hammond Lake competing with and dominating 2 crows for a carcass in the ice (R Ross). An adult **Golden Eagle** flew over near Mansfield 3/5, allowing for excellent views. An early **Broad-winged Hawk** was seen at same location flying north 3/12 (B&CI). The dark chestnut-brown coloration and whitish underwings entire length, with black primary and secondary band were noted. A gathering of 6000-8000 blackbirds began roosting 3/25 near Wellsboro. Most were **Common Grackles** with some **Red-winged Blackbirds** and **Brown-headed Cowbirds** as well (BI). In addition to the 7 **Pine Siskins** seen 3/26 at Armenia Mountain. (BI), residents indicated as many as 20+ siskins were present at feeders since January.

#### *Warren County*

Three **Mute Swans** wintered again on the Allegheny River at Starbrick, and 12 **American Black Ducks** were seen on the river at Althom on 1/12 (D Watts, T Grisez). On 1/1, 2 **Canvasbacks** and 7 **Redheads** were seen on the river at Warren (DW). Four **Long-tailed Ducks** were at Starbrick on 3/26 (J Schultz). The first **Turkey Vulture** reported for the year was on 2/26 at North Warren (B Hill). Five **Bald Eagles** were counted along the river between Warren and the Forest County line on the mid-winter survey on 1/12. (TG, DW), and 10-17 were seen 2/11-13 at Kinzua Dam where road-killed deer had been placed on the ice (var. ob.). A **Cooper's Hawk** caught a Blue Jay at Saybrook on 3/18 (C&M Neel) and a **Northern Saw-whet Owl** was heard calling there on 3/11 and 3/17 (C&MN). A **Common Raven** was seen west of Lander 1/18 (C Putnam). This is well outside of their usual habitat. Two were seen at Kinzua Dam 1/22 (TG). Two **Carolina Wrens** spent the winter on the east side of Warren (TG) and a **Winter Wren** was at Akeley Swamp on 2/7 (CP). A **Northern Mockingbird** was near Lander 1/20 and 2 **Northern Shrikes** were seen there 1/13 (DW). A **Pine Warbler** visited two neighborhood feeders from 1/1 through 2/18 in North Warren (BH, J King). A **Fox Sparrow** was seen at a Warren feeder on 2/27 (TG). **Pine Siskins** were seen at Starbrick: 1 on 1/17, 2 on 2/5, and 2 on 3/18 (C&MN).

#### *Westmoreland County*

The first northbound **Tundra Swans**, a flock of 60, were spotted over Stahlstown on 2/27 (D Byers), and 2 **Wood Ducks** had arrived at Keystone State Park by 2/14 (T Vechter). Four **Blue-winged Teal** were at the Mutual wetlands 3/31 (M McConaughy), and 9 **Northern Shovelers** were at Trout Run Reservoir 3/11 (TV).

The high count for **Ring-necked Ducks** was 300 at Trout Run 3/12 (B Leberman). The first **American Woodcock** was found near Derry Lake on 2/10 (D Lauffer), and the first **Greater Yellowlegs** was at Mutual Wetlands 3/31 (MM). A **Snowy Owl** was an exceptionally rare find near Murrysville 2/7 (J Pahountis-Opacic). The only **Northern Shrike** reported this season was seen near Mt. Pleasant 2/7 (DL), and the first returning **Barn Swallow** at Manito Lake 3/31 (DL). The first heavy migratory movement of **Eastern Bluebirds** was observed near Ligonier 2/5 (BL), when about 100 were seen foraging in blackbird-like fashion through a field of corn stubble. An early **Fox Sparrow** checked in for banding at Powdermill Nature Reserve on 3/6 (B Mulvihill, BL), and a remarkably high total of 25 wintering **White-crowned Sparrows** was found at Wilpen 2/4 (DB). The season's only **Lapland Longspur** was seen at Crabtree on 2/24 (MM); four **Snow Buntings** were there 1/8 (DL). Lauffer and Mike and Evelyn Fowles started their birding year on a high note, spotting an adult **Baltimore Oriole** at a bird feeder just west of Ligonier on New Years Day; unfortunately the day *after* the Rector Christmas Bird Count!

#### *York County*

Location: Codorus State Park (CSP)

Weather conditions for part of January and February were not very conducive to birding. Snow, wind and lakes that were frozen for the most part, persuaded some birds to leave for a while.

**Black-crowned Night-Herons** started arriving at Kiwanus Lake rookery 3/19 (3). By 3/23 there were 22 and those numbers increased into April (A Spiese).

Approximately 1500 **Canada Geese** were at CSP 3/9 (D&L Heathcote). Increasing numbers are creating problems. A combined total of 431 **Tundra Swans** were counted at CSP and Long Arm Dam (D&LH). **American Black Duck** may be showing an increase in numbers. Seventy-five were seen on Mine Lake 1/18 (P Robinson). Lesser numbers were reported at other locations in January.

On 3/9 17 species of ducks were found at Codorus S. P. and Long Arm Dam (D&LH). The highlight was 129 **Greater Scaup**. There were also 16 **Horned Grebes**. A cold front which passed during the night may have been responsible. March 6 was a new early date for 2 pairs of **Northern Shovelers** (J&J Prescott).

**Bald Eagles** were nesting at Lake Williams by 3/15. The white on the female seems to have some touches of gray. A **Northern Goshawk** 3/26 (A. Spiese) was the only one reported. A hawk survey of southwest York County on 1/27 revealed 1 **Northern Harrier**, 1 **Sharp-shinned Hawk**, 1 **Coopers Hawk**, 39 **Red-tailed Hawks**, and 11 **American Kestrels** (R Phillips, D Wildasin).

Fifteen **American Woodcocks** at CSP landfill exceed any recent records (K Lippy). Two **Eastern Wood-Pewees** at Gifford Pinchot State Park arrived 3/20, way before their normal time (P Sabold). A **Harris's Sparrow** at a feeder on Sheep Bridge Rd. 2/5 was only the 3<sup>rd</sup> York County record (Clinton). (Report submitted). Along with 175 **Horned Larks** on 1/22 at Smith Station and Hoff Rd. was 1 **Lapland Longspur** (PR). On 1/23 an **American Pipit** was seen (P Sabold).

# Seasonal Occurrence Tables - January through March 2001

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 **P**art of the quarter. This species was present, but specific dates are not available.

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

**L** = **L**ate or **L**ow. An L after a date indicates an unusually late date. An L after a number indicates an unusually low number.

**H** = **H**igh. An H after a number indicates an unusually high number.

**E** = **E**arly. An E after a date indicates an unusually early date.

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

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

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

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

**sp.** = Species unknown, such as Scaup.

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

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

## EXAMPLES:

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

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

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

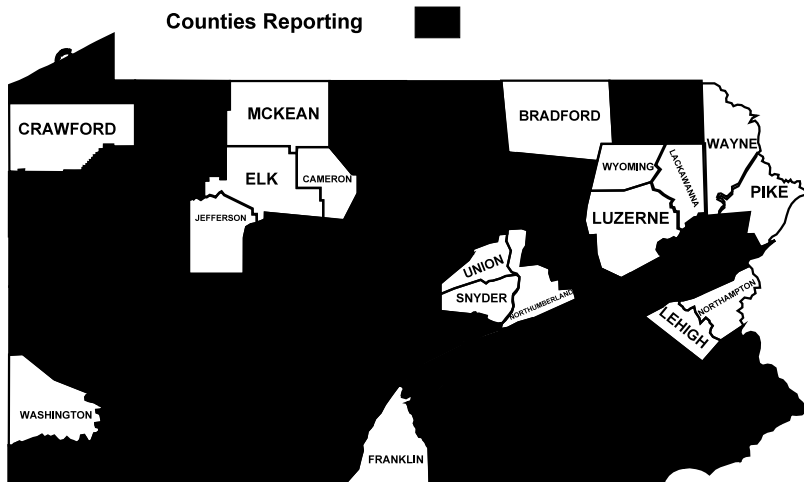
**5/6-** means the species was first seen on 5/6 and remained the rest of the quarter.

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

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

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

COUNTIES REPORTING - JULY TO SEPTEMBER 2000



SEASONAL OCCURRENCE TABLES - JANUARY THROUGH MARCH 2001

	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BUCKS	BUTLER	CAMBERIA
LOON, COMMON	-	-	1/4	-	-	3/25(2)→	P	3/24→	3/3-28(11)→	3/24→
GREBE, PIED-BILLED	3/25→	A-1/11(3)	3/18-30(7)→	1/1(2)-3/10	A-3/24(2)	3/10(4)→	P	1/26→	3/1(2)-12(6L)→	3/3(3)→
HORNED CORMORANT, DOUBLE-CRESTED	1/29-2/4	3/25(65)	1/7-3/18(18)→	3/18(3)→	-	3/4-18(4)-1/6→	P	3/3(4)-19(6)-1/21	3/2(3)-25(11L)→	3/26(10)→
HERON, GREAT BLUE	R	1/13-3/5(2)→	-	-	-	3/25(6)→	P	A	3/25(3)→	-
VULTURE, BLACK	R	R-3/5(12)	A-3/20(5)	-	-	R-3/9(50)	R	R	A	A
TURKEY	R	2/6→	1/28-2/10(5)→	2/26(3)	R	R	3/6→	R	2/25-3/9(7)→	2/28→
GOOSE, GR. WHITE-FRONTED	-	-	-	-	-	2/4/26	-	-	-	-
SNOW CANADA	3/15(4)	R	R-1/22(300)	-	R	A-2/17(15000)	R	3/10	A-3/24(400)	-
SWAN, MUTE	-	R	R-1/4(4)	-	R	R	R	R-1/22(15000)	R	R
TUNDRA DUCK, WOOD	2/27(100)/9(75)	-	3/8(27)-12(32)	-	-	R	-	R	-	-
GADWALL	3/3(5)→	2/10→	3/10(2)-20(16)→	A	3/24→	3/1(5)→	3/8	2/28(3)-3/12(100+H)-13(9)	3/7(2)-3/11(30)→	3/1(40)-10(160)-26(93)
WIGEON, AMERICAN	-	3/23(2)	3/10(2)-18(2)	-	-	A-1/7(60)	-	2/28(2)-3/8	3/1(2)-11(43)→	3/1(2)→
DUCK, AMERICAN BLACK	2/22(3)→	A	3/8(10)-10(22)→	-	3/24	2/11(2)-3/10(105)→	-	1/30(2)-3/10(20)→	3/1(32)-11(68)→	3/3(12)→
MALLARD	R	A-1/12(12)	1/6(2)-3/12(13)→	1/1(14)-3/10(4)	3/24	A	P	R	2/2(3)-9(18)→	3/3(15)→
TEAL, BLUE-WINGED	-	R	A-1/18(150)	-	3/24	R	R	R	R	R
SHOVELER, NORTHERN	-	3/3(6)	-	-	3/24	3/18→	-	3/11(2)→	3/12-17(4L)→	3/23(6)→
PINTAIL, NORTHERN	3/3(2)	2/10	1/28-3/12(14)	-	3/24	A-3/27(259)	-	3/3(2)-1/7	3/3(4)-17(10)→	-
TEAL, GREEN-WINGED	1/29-3/3(3)	-	3/10	-	3/24	2/21→	P	A-3/11(65)	2/28(4)-3/9(20)→	-
CANVASBACK	2/4(3)-2/22(3)	→1/18(7)/2/22(3)	1/5	-	-	A-3/27(60)	P	3/1(2)-12(12)→	3/9(3)-11(30)→	-
REDHEAD	3/9(2)	A-3/23(32)	1/28-3/10(42)→	3/13(20)	3/24	A-3/29(18)	P-3/23(12)	1/6-3/8(28H)	2/17-3/11(300H)→	3/10(60)-12(73)-25(9)
DUCK, RING-NECKED	2/22(5)→	3/8(2)-10(3)	1/28(2)-3/8(2/43)→	-	3/24	A-3/25(296)	-	A-3/10(211H)	2/23-3/17(3300H)→	3/3(22)→
SCAUP, GREATER	-	3/28(3)	1/16-3/12(6)→	-	3/24	3/3(18(6)	-	1/1-3/17(22H)	3/1(6)-3(30)-25(4)	-
LESSER LONG-TAILED DUCK	-	-	-	-	3/24	3/6(3)-11(10)→	-	-	2/9-3/10(1000H)→	3/12(4)→
BUFFLEHEAD	-	2/12(4)-3/28(9)	1/16-3/12(7)→	1/1(2)-3/14(3)	-	2/25(4)-3/31	-	0/1/21	3/15(5)-31	-
GOLDENEYE, COMMON	-	1/2(4)-3/4(2)	-	1/1	3/24	1/7-3/11	-	1/12-3/40→	2/18(2)-3/12(181)→	3/3(5)→
MERGANSER, HOODED	2/4	A-2/12(6)	2/25(18)-3/12(31)→	2/26→	3/15→	A-3/10(60)	-	1/12-25(68)-3/10	3/1-9(10)-17(8)	3/12
COMMON RED-BREASTED DUCK, RUDDY	1/23(2)-26(5)	1/1(4)-3/15(5)-9	1/6(10)-3/12(33)-22(15)	1/1(29)	-	A-3/27(1100)	P	R-3/7-19(1500)→	2/16(4)-3/2(26)→	3/3(21)→
OSPREY	-	3/5(2)	3/8(8)-10(17)→	3/14(6)	-	3/8-3(13)	P	2/15E-3/25(6)→	2/28(22)-3/31(320)→	3/13(13)→
EAGLE, BALD	1/11-2/29(2)	1/6(2)-14	1/21-3/10(2)	1/1(4)	-	3/3(5)→	P	3/15→	3/4(6)-15(16L)→	-
HARRIER, NORTHERN	A	1/28	A-3/15(2)	-	3/24	1/1(2)-2(3)-3/28	-	A-3/9(11H)	R	3/12
COOPER'S GOSHAWK, NORTHERN	1/8-3/8	R	A-3/22	-	-	→3/11(3)	P	A-3/25(5)	-	A
HAWK, SHARP-SHINNED	A	R	A-3/15(2)	-	3/24	R	R	R	R	A
RED-TAILED ROUGH-LEGGED EAGLE, GOLDEN	0/1/11	R	A-3/18(5)	-	-	1/2(2)-25	P	1/18→	-	A
KESTREL, AMERICAN	A	R	2/27	-	-	→2/27	R	R	R	A
MERLIN	0/1/16	R	A-2/1(2)	-	-	1/25(2)	P	3/19	1/1-2/28(3H)	-
FALCON, PEREGRINE	-	R-2/7(2)	-	-	-	-	-	2/4→	-	-
COOT, AMERICAN	A	A-1/1(6)	1/4-24	A	R-3/24	2/21(4)-1/6(2)→	P	A-3/10(10)	2/9-3/12(400)→	3/3(3)→
KILLDEER	-	2/11→	2/23-25(6)	3/2(2)→	-	R	2/15	R	2/9-3/9(8)→	A
SNIPES, COMMON	A	3/23	-	-	3/24	A-1/4(13)	P	2/25-3/24(11)→	3/15-16(2)→	3/26
WOODcock, AMERICAN	2/15→	3/18→	3/20	-	-	2/13→	3/4-19(13)	2/19→	P	3/25→
GULL, BONAPARTES	A	1/1(560)-3/25(5)	A-3/12(83)	A	-	-	-	2/19→	3/18-28(2L)→	-
HERRING	-	R-1/9(65)	A-1/28(2)	1/1(61)-3/10	-	A	3/3→	A	2/9(22)-3/10(100)→	A-3/12(65)
LESSER BLACK-BACKED GREAT BLACK-BACKED OWL, BARN	-	→3/20	-	-	-	1/7(2)-3/27	-	A	3/10→	-
	-	-	-	-	-	1/13-3/18	-	A	-	-
	-	-	-	-	-	R	-	R	-	-

SEASONAL OCCURRENCE TABLES - JANUARY THROUGH MARCH 2001

	ADAMS	ALLEGHENY	ARMSTRONG	BEAVER	BEDFORD	BERKS	BLAIR	BUCKS	BUTLER	CAMBERIA
BARRED	R	-	-	-	-	R	R	A	R	R
LONG-EARED	-	-	-	-	-	-	-	1/12-3/17(4)→	-	-
SHORT-EARED	A	1/7(2)	-	-	-	P	-	1/12(5)→	-	-
NORTHERN SAW-WHET	-	3/18	-	-	-	3/10(2)	-	R-1/5(2)	-	-
WOODPECKER, RED-HEADED	R	-	-	-	-	R	-	-	-	-
SAPSUCKER, YELLOW-BELLIED	A	-	-	-	-	A	P	2/27→	A	-
FLICKER, NORTHERN	R	3/23-2/6(3)→	A-2/10(7)	1/1→	3/12→	R	R-1/21(26H)	3/20→	3/15→	A
PHOEBE, EASTERN	3/18(2)→	0/15	3/24(3)	3/24(3)	3/12→	A	3/12→	-	-	3/25
SHRIKE, NORTHERN	2/28-3/19	-	-	-	-	-	-	-	-	-
CROW, FISH	-	-	-	-	-	-	-	-	-	-
RAVEN, COMMON	R	-	-	-	R	R	R	-	-	A
LARK, HORNED	A	-	A-1/6(236)	-	-	A-2/9	R-3/15(12)	1/3(80)-13(175)-3/10	A-2/2(14L)	A
SWALLOW, TREE	3/19→	-	-	-	-	3/12(4)→	P	3/11→	3/15→	-
CHICKADEE, CAROLINA	R	-	-	-	-	R	-	R	-	-
BLACK-CAPPED	A	-	A-2/10(12)	-	-	R	R-3/3(31)	R	R	A
NUTHATCH, RED-BREASTED	0/15	3/23→	-	-	-	1/13(3)-2/18(5)→	P-3/3	A-2/28(8)	R	3/12
CREEPER, BROWN	A	-	-	-	-	A	R	A	R	A
WREN, WINTER	A	-	-	-	-	2/25-3/31	A	1/12-3/17	-	3/24
KINGLET, GOLDEN-CROWNED	A	1/7→	A-1/26	2/5→	-	A	1/14-2/11(14)→	A	A	A
RUBY-CROWNED	2/6→	-	-	-	-	A	-	A	-	-
THRUSH, HERMIT	A	-	-	-	-	A	P	A	-	3/25→
ROBIN, AMERICAN	A	A-3/23(100)	A-3/30(25)	-	R-2/20(52)	R	R-3/3(33)	R-1/15(2500+)	A	A
CATBIRD, GRAY	2/1	-	-	-	-	-	-	1/7-2/28	-	-
PIPIT, AMERICAN	A	-	-	-	-	3/31	-	-	3/7	-
WARBLER, YELLOW-RUMPED	A	-	A-2/10(6)	-	-	3/3E→	P-3/11(9)→	A	A	-
PINE	-	3/18→	3/18(2)→	3/12→	3/29→	2/4-3/31	-	-	-	-
TOWHEE, EASTERN	0/16	-	-	-	-	-	-	-	-	-
SPARROW, AMERICAN TREE	→2/16(6)	A	3/10(7)	3/11	-	A	A-3/4(22)	→3/17	A-2/4(50)	A
CHIPPING	3/26→	3/25	3/31	3/31	-	A	3/26→	1/1-2/24(9)-3/18	-	-
FIELD	3/20→	1/29	3/18(2)	3/24(2)→	-	A	3/3(3)→	R	-	-
SAVANNAH	-	3/29	-	2/25-3/31	-	3/5→	3/4→	R-1/9(6)	-	-
FOX	3/20	-	-	→3/27	3/10	A	R-3/11(6)	R	2/18→	P
SWAMP	-	-	-	-	-	A	-	-	-	-
WHITE-THROATED	A	A-1/28(6)	A-1/26(7)	A	-	A	P	A	A-1/27(42)	A
WHITE-CROWNED	A	1/29-3/25(9)	-	-	-	A	P	A	A-2/4(2)	-
JUNCO, DARK-EYED	A	A-2/9(15)	A-1/26(9)	A	A-1/13(19)→	A	A-2/11(25)	A	A-1/27(72)	A
LONGSPUR, LAPLAND	-	-	-	-	-	-	-	2/24	-	-
BUNTING, SNOW	-	1/6(3)-7(9)	-	-	-	1/6-2/7	-	1/3-5(13)-28(4)	1/11(2)	→1/4(4)
BLACKBIRD, RED-WINGED	A	2/26-3/15(20)→	3/3-10(12)	2/26(3)→	-	2/2→	3/13→	R	2/21→	P
MEADOWLARK, EASTERN	A	3/18→	-	3/24	3/24→	3/18→	P	R-1/7(6)	3/12→	-
BLACKBIRD, RUSTY	-	-	-	3/10(2)	-	3/11-24	-	3/4→1/16(6)	-	-
GRACKLE, COMMON	A	2/21-3/17(70)→	3/4(20)→	3/9	R	2/28(3)→	P	R	2/18→	P
COWBIRD, BROWN-HEADED	1/11-3/8	1/15(2)→	-	-	3/27(5)→	R	P	R	P	A
FINCH, PURPLE	-	3/18→	-	-	P	1/6	R-2/9(10)	-	A	-

	CARBON	CENTRE	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CUMBERLAND	DAUPHIN	DELAWARE
LOON, COMMON	3/24(3)-30(6)	3/25→	3/23-30(2)→	3/24(2)→	-	3/25(3)-31	-	-	3/24→	3/24(2)→
GREBE, PIED-BILLED	A	2/25-3/25→	→3/12(2)-30	3/18→	-	3/26-31	-	3/25(3)→	3/4→	P
HORNED	3/11-30(3)→	1/19-20-3/9→	2/21(8)-3/30	3/18-28(5)	-	3/9-26(80)	3/27(4)	3/25→	3/6(4)→	-
CORMORANT, DOUBLE-CRESTED	-	-	-	-	-	-	-	-	3/10→	A-2/14(10)
HERON, GREAT BLUE	3/3-24(10)→	A	3/2-22(2)→	1/13-3/26(2)→	-	1/1	R	A	A	A-3/24(13)
VULTURE, BLACK	-	2/5→	R-1/27(32)	-	-	-	-	R	A	R-3/20(10)

SEASONAL OCCURRENCE TABLES - JANUARY THROUGH MARCH 2001

	CARBON	CENTRE	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CUMBERLAND	DAUPHIN	DELAWARE
TURKEY	2/19-3/13(5)→	2/11→	1/27(193)	1/4(4)-3/10(10)→	P	1/4-8(12)-3/8	A	R	A	A-3/26(44)
GOOSE, GR. WHITE-FRONTED	3/10(6)	2/28-3/11(60)-15	1/12-2/9(2000+)-3/12(11)	-	-	3/14	3/11(150)	-	3/4(300+)-19(30)	3/20(1200)
SNOW	R	A-3/2(422)	R-3/10(10000)	R	P	1/1(50)→	3/21→	R	R	R-3/15(340)
CANADA	2/11→	-	2/20-3/31	-	-	-	-	-	P	R
SWAN, MUTE	-	1/9-2/21-3/9(335)	1/18(3)-3/11(43)-13(33)	3/15(2)-3/30(19)	-	3/11-17(31)	-	P	3/3(80)-11(250+)→	1/31(100H)
TUNDRA	3/9(12)→	2/26→	2/9-3/12(9)→	3/17-30(7)→	-	3/4(20)-26(6)	R	3/27(2)→	2/10(2)→	P-3/1(3)
DUCK, WOOD	3/11	2/27-3/12	3/13(3)	3/18(3)	-	-	-	A	A	P
GADWALL	3/11(2)	1/19-3/4→	1/16-3/3(31)→	3/10(2)	-	3/14(2)-18(12)-31(3)	-	A	3/3(65)→	P
WIGEON, AMERICAN	R	A	1/12(8)-2/20(26)→	-	-	1/9-2/12(30)-2/19(25)	R	A	R	R
DUCK, AMERICAN BLACK	R	R	R-1/18(200)	R	P	1/9(2)→	R	R	3/6→	-
MALLARD	-	3/10→	3/16(2)	-	-	-	-	-	-	-
TEAL, BLUE-WINGED	-	A	3/12(2)-3/13(3)-22(3)	3/18	-	3/31(10)	-	P	3/10→	P
SHOVELER, NORTHERN	3/3(6)-18(12)→	A	1/6(3)-2/21(29)	2/28(2)	3/20	1/29-3/31(6)	-	A	3/3(4)	P
PINTAIL, NORTHERN	A	A	2/1-3/19(15)→	3/18(3)	-	3/11	-	A	2/15(4)→	P
TEAL, GREEN-WINGED	-	2/25→	1/19-2/8(17)-3/12	3/18(2)	-	3/9(6)	-	-	3/8→	1/28(15)-2/9(33H)
CANVASBACK	-	2/25-3/15	A-3/3(155)	3/3	-	3/14	-	-	P	1/31(2)
REDHEAD	A-3/10(140)→	3/4→	1/11-3/3(31)	3/3(2)-11(30)	3/20→	3/19-11(40)-26(2)	3/13(4)-24(8)→	3/7(5)→	2/15(2)-3/27(400+)→	1/15(4)
DUCK, RING-NECKED	1/20(2)-3/30(3)→	3/2-26	1/19-2/20	-	3/20	3/9(30)-17(160)	-	-	P	JAN-FEB(4)
SCAUP, GREATER	-	1/1-3/5→	-	-	-	3/9(6)	-	-	3/8→	-
LESSER	3/9(12)	3/9-26	3/9-26	-	-	3/9(9)-17	-	-	-	3/17
LONG-TAILED DUCK	A→	A	2/8-3/12(26)→	3/18(4)	-	3/9(14)-17(60)-25	3/27(2)→	A	A	-
BUFFLEHEAD	A→	2/25-3/26	1/12-2/8(4)-3/30	3/9(2)→	3/20	3/9(33)-31(20)	3/11(9)	A	A	P
GOLDENEYE, COMMON	A→	A	1/19(2)-3/13(23)-30(6)	2/10(2)	-	2/11(2)-3/4(3)	3/11	A	A	JAN-FEB(many)
MERGANSER, HOODED	A→	A	A-2/21(193)	2/10(5)→	3/20	1/13(5)-3/9(3)	R	A	A	A-1/30(78)
COMMON	1/19(2)	3/5→	2/20-3/30(2)	3/15→	-	3/3	-	-	3/6→	-
RED-BREASTED	→1/15(5)	→1/7	→3/13(32)-29(2)	-	-	-	-	-	-	2/7(6)
DUCK, RUDDY	-	A	-	-	-	-	3/31→	-	-	P
OSPREY	3/3-10(3)	A	1/29-2/12(2)-3/2	1/14	-	1/28-2/7	A-3/25(2)	-	R-2(5)-10	P
EAGLE, BALD	-	A	→1/27(3)-2/26(2)	R-3/18(5)	-	3/11	R	A	3/27→	A(3)
HARRIER, NORTHERN	A	R	R	R	R	3/3	R	A	R	A-3/24(11)→
HAWK, SHARP-SHINNED	A	R	R	R	R	1/15-3/5	R	A	R	R
COOPER'S	1/7	3/26	2/21-3/12	1/10-3/10	-	3/3	R	-	R	2/2-8(2)-3/25(2)
GOSHAWK, NORTHERN	2/3	R	R-1/27(66)	1/28-2/8(2)	-	1/9-3/17	R	A	R	P-3/26(5)
HAWK, RED-SHOULDERED	R	R	-	→3/29	-	-	→3/9(2)	-	R	R-3/26(22)
RED-TAILED	-	3/12-18	R-1/27(7)	3/6	-	-	-	-	P	-
ROUGH-LEGGED	-	R	-	R	R	1/22-3/30	R	A	R	R-3/25(6)
EAGLE, GOLDEN	R-4/7(8)	-	-	R	-	-	-	A	1/9	2/2-3/26
KESTREL, AMERICAN	-	-	-	-	-	-	-	-	A	R-3/20
MERLIN	3/31	-	A-3/22(66)	3/18	-	3/1	-	-	P	P
FALCON, PEREGRINE	→1/23(11)	3/10→	R	2/24(3)	3/20→	3/26(3)	3/20(2)→	A	2/23→	R
COOT, AMERICAN	3/2-3/16(6)→	A	R	-	-	-	-	-	-	-
KILLDEER	3/30	3/30	2/21(3)-3/12(8)-22(5)	-	-	-	-	-	-	-
YELLOWLEGS, GREATER	3/24(3)→	A	3/11(4)	2/28→	-	-	2/14-24(2)	3/7(3)→	3/12(2)→	3/18→
SNIPE, COMMON	3/8(3)→	3/30	-	-	-	-	-	-	3/13→	FEB→
WOODCOCK, AMERICAN	A	2/5→	1/9(18)-3/1(30000+)-3/10(10000)	2/28→	3/20	1/4-3/26(36)	3/2(20)→	A	2/17(4)-3/28(35)→	-
GULL, BONAPARTE'S	-	-	1/1-2/8(13)-3-13(3)	-	-	-	-	A	A	A
RING-BILLED	A	-	2/8-27	-	-	-	-	A	A	A
HERRING	-	-	-	-	-	-	-	-	-	-
LESSER BLACK-BACKED	-	-	R	-	-	-	-	-	-	-
GREAT BLACK-BACKED	-	-	R	2/19	-	-	-	A	A	A
OWL, BARN	-	-	-	-	-	-	-	R	R	R
BARRED	-	R	-	R	R	-	R	R	R	P(2)
LONG-EARED	-	-	2/19-23(2)	-	-	-	-	-	→3(4)	-
SHORT-EARED	-	-	2/19-3/18(9)→	-	-	-	-	-	-	-
NORTHERN SAW-WHET	3/23	-	1/27-29	-	-	-	-	-	-	-
WOODPECKER, RED-HEADED	-	A	2/15-23	-	-	-	-	P	P	-SAPSUCKER,
YELLOW-BELLIED	-	-	1/3-2/23(2)-3/24	-	-	-	-	A	A	A(5)



SEASONAL OCCURRENCE TABLES - JANUARY THROUGH MARCH 2001

	CARBON	CENTRE	CHESTER	CLARION	CLEARFIELD	CLINTON	COLUMBIA	CUMBERLAND	DAUPHIN	DELAWARE
FLICKER, NORTHERN	1/15-3/30(5)→	R	3/16→	3/15	-	2/5-3/1	R	A	R	R
PHOEBE, EASTERN	-	3/18→	-	1/14-3/11	-	3/28→	3/23→	3/20→	2/15→	3/15(2)
SHRIKE, NORTHERN	-	2/3	-	-	-	-	3/12	-	3/10	-
CROW, FISH	-	R	3/31→	-	-	1/1	R	A	R	R
RAVEN, COMMON	-	R	-	A-1/12-3/10(2)→	R	1/10	R	A	R	R
LARK, HORNED	-	A	1/27(202)	→1/6(200+)→	-	1/29(12)	R	A	R	P(3)
SWALLOW, TREE	-	3/18→	3/12(4)-16(13)→	3/18→	-	3/24(2)	3/19(2)	3/20(2)→	3/24(8)→	3/18(2)
CHICKADEE, CAROLINA	-	R	-	-	-	1/1(3)	R	R	R	R
BLACK-CAPPED	-	R	-	-	R	-	R	R	R	P
NUTHATCH, RED-BREASTED	-	A	3/12(2)	A-1/18(17)	-	-	-	A	A	P(5H)
CREEPER, BROWN	-	R	1/17-3/10	3/18→	R	-	R	A	R	A
WREN, WINTER	-	A	3/31	-	-	-	-	A	A	A
KINGLET, GOLDEN-CROWNED	-	A	1/1(2)-22(2)→	→1/10(22)→	A	1/15	A	A	A	A
RUBY-CROWNED	-	1/17	1/15-3/19	1/14	-	-	1/14→	A	A	A
THRUSH, HERMIT	-	A	1/4-15	-	-	-	A	A	R	P
ROBIN, AMERICAN	-	A	R-323(100+)	A	P	1/3-28(5)-3/1	A	A	R	A
CATBIRD, GRAY	-	-	-	-	-	-	2/5→	A	-	P
PIBIT, AMERICAN	-	1/6-3/18-26	-	-	-	-	-	P-3/17(150+)	-	-
WARBLER, YELLOW-RUMPED	-	A	2/1(4)-3/19	-	-	-	A	A	-	A
PINE	-	-	2/18	-	-	3/29	-	3/19(2)→	1/7L	3/17→
TOWHEE, EASTERN	-	-	R	-	-	-	3/31→	A	-	A
SPARROW, AMERICAN TREE	A-2/24(24)→	A	→1/8(3)-3/10	→3/28(3)	-	1/1→	A	A	1/4L	JAN
CHIPPING	-	-	-	3/18→	-	-	3/31→	A	3/14→	2/15
FIELD	-	-	R	-	-	-	-	A	3/14→	2/3(12)
SAVANNAH	-	-	-	3/18→	-	-	-	A	-	-
FOX	3/10(2)→	3/16→	3/19(3)-22(2)	3/18	-	3/31(2)	3/31(4)	-	3/2→	A(5)
SWAMP	3/10→	A	3/19-22(2)→	-	-	-	-	A	-	A
WHITE-THROATED	A-3/2(13)→	A	A-1/27(52)	→1/13(3)→	-	1/1-3/29(2)-3/1	A	A	A	A(15)
WHITE-CROWNED	-	A	→1/8(4)-3/30	-	-	2/28-3/3	-	A	A	-
JUNCO, DARK-EYED	A-3/2(31)→	R	A-3/28(26)	R-2/10(19)	R	1/1(3)-2/15(5)→	A	A	A	A(42)
LONGSPUR, LAPLAND	-	1/20-3/9	-	1/7(5)-9	-	-	-	→1/23(4)-3/7	-	-
BUNTING, SNOW	-	-	-	→1/16(100+)	-	-	-	→1/23(57)-3/7(12)	-	P(42H)-2/5(61H)
BLACKBIRD, RED-WINGED	2/24	2/25→	2/19-3/12(200+)→	2/24(17)→	P	2/12(2)-3/14(50)→	3/12→	2/17(4)→	2/7→	A
MEADOWLARK, EASTERN	3/11-24(6)	A	3/23	3/11(3)→	-	3/14(8)	A	3/20(3)→	3→	2/16
BLACKBIRD, RUSTY	3/2(2)	3/19-25	-	3/18	3/20	-	-	3/19(12)→	3/24	-
GRACKLE, COMMON	3/3(3)	3/4→	R-2/18(25000+)	2/28→	-	2/28-3/31	3/12(3)→	2/17(6)→	2/16(4)→	3/5(65H)
COWBIRD, BROWN-HEADED	-	3/1→	R	3/17(10)→	-	3/14-20(2)-29(2)	A	A	P	3/9
FINCH, PURPLE	-	-	-	A	R	-	A	A	3/25→	-
SISKIN, PINE	-	A	-	3/18	-	-	-	-	3/30	-

	ERIE	FAYETTE	FOREST	FULTON	GREENE	HUNTINGDON	INDIANA	JUNIATA	LANCASTER	LAWRENCE
LOON, COMMON	-	-	3/29(2)→	3/28→	-	3/17-30(8)→	-	-	3/20→	3/25(2)-31
GREBE, PIED-BILLED	A	-	3/29→	3/31→	3/31	3/27-1/16→	3/13-20(5)→	-	3/10	-
HORNED	P	-	-	3/4(3)-11(16)→	-	3/10(40)	3/3(10)-27(25)→	-	3/3	3/4-25(3)
CORMORANT, DOUBLE-CRESTED	P	-	-	-	-	-	3/15	-	3/11→	-
HERON, GREAT BLUE	A	R	3/28→	A	2/15-3/14(28)→	R	1/29-3/24(2)→	R	R	1/13→
VULTURE, BLACK	-	-	-	3/11(3)→	-	-	-	R	R	-
TURKEY	P	3/15	2/12(5)→	2/16(2)-20(21)→	2/23(2)→	R	1/11-3/24(13)→	R	R	1/19E-3/23(9)
GOOSE, GR. WHITE-FRONTED	-	-	-	-	-	-	-	-	→1/12-3/11	-
SNOW	3/13(47)-18(55)-19(2)	-	-	-	-	3/8-24→	-	3/3(200+)-13	A-2/18(80000)	3/30R
CANADA	R	R	1/9(30)→	A-2/16(114)	R	R	A	R-3/11(3500)	R	A-2/24(615)
SWAN, MUTE	1/13→	1/14	-	-	-	-	-	-	3/13(3)	-
TUNDRA	P	-	-	-	-	2/28-3/10(200)→	2/20(10)-3/3(182)→	1/6(63E)-3/3(5000)-11(50)	A-3/10	3/10(26)-11
DUCK, WOOD	2/25→	-	3/29(4)→	2/20(2)-3/28(9)→	3/10(2)→	3/8→	2/20(2)-3/13(27)→	3/10(2)→	3/3→	3/4(2)-12(12)-31(6)

SEASONAL OCCURRENCE TABLES - JANUARY THROUGH MARCH 2001

	ERIE	FAYETTE	FOREST	FULTON	GREENE	HUNTINGDON	INDIANA	JUNIATA	LANCASTER	LAWRENCE
GADWALL	P	-	-	2/18	-	-3/14	2/20(2)-3/13(90)→	3/9(2)-13(2)	A	2/24(4)-3/10(15)-31(4)
WIGEON, AMERICAN	P	-	-	3/11(16)-31(5)	3/10(2)	2/28-3/14→	3/3(9)-31(128)→	2/24(3)-3/1(36H)	A-3/10(60)	2/27(4)-3/30(44)-31(38)
DUCK, AMERICAN BLACK	A	-	-	-	R	A	2/20(34)-3/27(34)→	1/15(2)→	R	1/15(3)→
MALLARD	A	R	A-3/19(8)	R-2/16(34)	R	R	A-3/6(90)	R	R	2/9(17)-24(151)-3/31(52)
TEAL, BLUE-WINGED	3M→	-	-	3/11(6)→	3/31(4)	-	3/20(11)-30(14)→	3/10(3)	3/3→	3/31→
SHOVELER, NORTHERN	3E→	-	-	-	-	-	3/13(15)→	3/13(4H)	R	3/30(2)-31(10)→
PINTAIL, NORTHERN	2L→	-	-	2/16(7)-20(4)	-	3/10-15→	2/20(5)-3/13(43)→	3/11(7)-13(3)	A	2/24(2)-3/30(25)-31(8)
TEAL, GREEN-WINGED	3E→	-	3/29	A-1/13(2)	-	3/24→	3/6(6)-20(30)→	-	3/3-10(72)→	3/30(32)-31(6)
CANVASBACK	A	-	-	2/16-3/4	-	P	2/20-3/9(265)→	-	1/30(2)-3/13	-
REDHEAD	A	-	-	-	-	-	1/26-3/14→	3/9(8H)-13(4)	3/10(4)	3/23(35)→?
DUCK, RING-NECKED	A	-	2/27(2)-3/29(5)→	3/4-11(22)	3/2(2)	3/10-26→	2/20(3)-3/13(715)→	2/19E→	A-3/10(302)	2/24-3/31(400+)→
SCAUP, GREATER	A	-	-	3/31	3/26(4)	-	3/13(20)-19(50)-27(6)	-	1/30(3)-3/10	3/11(19)-25(28)-31(6)
LESSER	A	-	-	3/11(4)-31(23)→	3/1(5)	-	3/13(24)-27(254)→	3/6(16)-9(36H)-13(6)	2/18-3/3(10)→	-
LONG-TAILED DUCK	1/13(5)→	-	-	3/11(4)	3/26(4)	A	-	-	-	-
BUFFLEHEAD	A	-	3/29(7)→	3/28→	-	-	3/6-31(47)→	3/9(4)-10(7)	3/2(4)	3/28(2)→
GOLDENEYE, COMMON	A	1/14(2)	-	3/11(2)	-	-3/14	3/3(4)-13(6)-27	2/4(5)-18(20)-3/13(8)	A-1/30(97)→	-
MERGANSER, HOODED	P	1/14(7)-29(2)	3/29(4)→	2/16-3/31(3)→	3/16	A	2/20(7)-3/27(76)→	2/18(2)-3/9(15)→	A	3/4(12)→
COMMON	A	-	A-2/27(49)	-	3/16	-3/14	2/20(4)-3/27(9)→	1/10(10)-2/19(146E)→	A-1/30(500)	3/31→
RED-BREASTED	A	-	-	3/28(7)→	3/26(8)	3/11	3/13(7)-23(252)→	3/20(4E)→	A	3/10-31(6)→
DUCK, RUDDY	P	-	-	-	-	-	3/15(6)-31(25)→	-	A	-
OSPREY	3L→	-	-	-	-	3/25→	-	-	3/23→	-
EAGLE, BALD	P	-	A	-	-	R	1/30-2/15(2)-3/10	1/30-2/15(2)-3/10	R	2/27(2)→
HARRIER, NORTHERN	P	-	-	3/11	-	3/1-1/1→	A-2/18(2)	1/11→	3/3→	2/9→
HAWK, SHARP-SHINNED	P	R	R	R	R	R	A	R	R	R
COOPER'S	A	R	R	R	R	R	A	R	R	R
GOSHAWK, NORTHERN	3/24	-	1/10-2/28(2)	-	-	-	-	-	3/15	-
HAWK, RED-SHOULDERED	P	R	-	-	-	R	A-2/13(2)	-	R	-
RED-TAILED	A	R	R	R-1/13(14)	R	R	A-2/18(24)	R-1/25(63)	R	R
ROUGH-LEGGED	P	-	-	2/21	-	A	→2/18(2)-3/30	→1/25(4)-3/14	→2/10	1/15-3/12(2)
EAGLE, GOLDEN	-	R	-	1/13	2/19	2/24-3/12→	-	3/8-11	-	-
KESTREL, AMERICAN	A	R-2/9(2)	-	R-1/13(11)	R	R	A-3/28(4)	R-1/25(37)	R	A-2/9(7)→
MERLIN	1/6-3/15	-	-	-	-	-	-	3/10	-	-
FALCON, PEREGRINE	1/25-3/11	-	-	-	-	-	-	-	1/7-3/7	-
COOT, AMERICAN	A	-	-	3/28-31(3)→	-	-	2/17-3/23(480)→	2/18	A	2/28-3/31(7)→
KILLDEER	-	1/14-2/9(3)-3/30(2)	3/18(2)	2/16(4)-3/31(5)→	2/8→	2/24→	2/25-3/27(6)→	R	R	2/22-3/23(4)
YELLOWLEGS, GREATER	3M→	-	-	3/31→	-	-	-	-	-	-
SNIPE, COMMON	3E→	-	3/29	3/28(2)-31(6)→	-	A	3/24-31	A-1/1(6)	A	1/15(6)→
WOODCOCK, AMERICAN	3E→	2/11	3/29	2/15→	3/18→	2/15→	3/23-31(10)→	2/14(2)→	3/15→	-
GULL, BONAPARTES	P	-	3/29(2)	3/28→	-	-	-	-	3/23-28(500)→	-
RING-BILLED	A	-	-	2/16(2)-3/11(65)→	3/13	A	1/29-3/13(125)→	A-3/3	R	2/24(2)-3/10(150)
HERRING	-	-	-	3/28	-	P	3/17-31→	1/10(4)→	R	3/10(2)
LESSER BLACK-BACKED	2/11-3/25	-	-	-	-	-	-	-	1/30	-
GREAT BLACK-BACKED	A	-	-	-	-	-	-	1/10(2)-15	R	-
OWL, BARN	A	-	-	-	-	-	-	R	R	-
BARRED	A	-	R	R	R	R	R	R	R	R
3/20-29	-	-	-	-	-	-	-	-	-	-
SHORT-EARED	-	-	-	-	-	-	-	→1/7(8)-3/1(4)	-	-
NORTHERN SAW-WHET	3/11	-	-	-	-	3/8	A-1/14	A-2/21(3)	3/7(2)	1/6(10)→
WOODPECKER, RED-HEADED	A	-	-	-	-	-	-	-	-	-
SAPSUCKER, YELLOW-BELLIED	A	-	-	-	-	-	3/19(3)	-	R	-
Flicker, Northern	A	R-1/14-3/30→	A	R	A	A	3/1-31→	→2/4(3)	A	-
PHOEBE, EASTERN	3M→	-	3/23→	3/11(2)-31(6)→	2/13(2)→	3/14→	A-2/20(4)	R	R	1/7→
SHRIKE, NORTHERN	1/23-3/31	-	-	3/11(2)-31(6)→	-	3/14	2/22-3/31(4)→	2/24→	1/13→	-
CROW, FISH	-	-	-	-	-	-	-	-	-	-
RAVEN, COMMON	P	R	R	R	R	R	A-1/21(7)	1/30→	R	-
LARK, HORNED	-	R-2/29(5)	-	R-1/13(21)	-	A	A-1/26(4)	R	-	1/13(205)-28(600+)
							A-1/26(150)	R-3/8(300+)	R	

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	ERIE	FAYETTE	FOREST	FULTON	GREENE	HUNTINGDON	INDIANA	JUNIATA	LANCASTER	LAWRENCE
SWALLOW, TREE	3L→	-	-	3/28(8)→	3/31→	3/17→	3/17-30(7)→	3/8-25(300)→	3/20→	3/30
CHICKADEE, CAROLINA	-	R	-	R	R	-	A	3/12	R	R
BLACK-CAPPED	R	R	-	R	P	-	-	R	R	-
NUTHATCH, RED-BREASTED	P	-	A-1/26(11)	3/28(3)	-	R	A-3/13(3)	-	1/16(3)	1/28-3/31
CREEPER, BROWN	P	2/9	A-1/26(4)	R	-	R	A-3/30(3)	A	A	-
WREN, WINTER	3L→	-	-	3/28	-	R	-	A	A	-
KINGLET, GOLDEN-CROWNED	P	-	A-1/26(42)	A-3/31(4)	-	A	A-2/13(14)	A	A	1/14(3)-3-23(2)→
RUBY-CROWNED	-	-	-	-	-	P	A-1/6	2/4(2)→	A	-
THRUSH, HERMIT	P	-	-	-	-	R	2/17-3/17→	3/11→	A	-
ROBIN, AMERICAN	A	3/30(38)	3/13(3)-21(100)→	2/20(16)-3/11(187)→	R	R	A-2/20(350)	1/7(18)-3/8(300)→	R	2/9(2)-3/14(237)→
CATBIRD, GRAY	-	-	-	-	-	-	→1/29(2)	-	-	-
PIBIT, AMERICAN	3M→	-	-	3/31(42)	-	-	-	3/24(120)→	A	-
WARBLER, YELLOW-RUMPED	A	-	-	-	-	P	A-1/11(18)	A-1/7(35)	A	1/14(16)→
PINE	-	3/30	-	3/28	-	-	3/30	-	R	-
TOWHEE, EASTERN	-	-	-	-	-	-	1/22-3/24→	-	-	-
SPARROW, AMERICAN TREE	A	1/14	A-1/25(7)	→3/28(4)	-	→1/12(2)	A-2/4(31)	→3/5(3)	→3/17	A-3/10(58)-30
CHIPPING	→L-1/2	-	-	R	3/27→	3/30→	-	2/2E→	-	-
FIELD	-	-	-	R	-	→1/1	A-1/19(11)	2/5→	R	-
SAVANNAH	3L→	-	-	-	-	-	-	-	R	-
FOX	3L→	-	-	-	-	-	1/22-3/27(4)-31(2)	-	3/25(5)→	-
SWAMP	-	-	-	A-3/28	-	3/16	2/1	-	R	3/23(2)→
WHITE-THROATED	P	1/14(6)	-	A	A	A	A-2/4(21)	A	A	1/14-3/3(6)→
WHITE-CROWNED	-	1/14	-	-	A	P	-	→2/5(6)	A	1/4(18)
JUNCO, DARK-EYED	A	1/14(8)	A-1/26(68)	A-3/28(15)	A-2/11(34)	R	A-2/18(51)	A	A	A-3/17(30)
LONGSPUR, LAPLAND	-	-	-	-	-	-	-	3/8(2)-1/1	→1/14(4)	1/20(2)
BUNTING, SNOW	P	3/15-30(13)	3/5(60)→	2/20(47)→	A-2/22(100)	2/18→	1/26(2)	1/1(2)	1/14	1/15-28(92)
BLACKBIRD, RED-WINGED	2L→	-	3/29→	R	2/21(2)→	→1/1	A-1/22(10)	2/11(2)→	R	2/27(15)→
MEADOWLARK, EASTERN	3/28→	-	-	-	-	2/10→	-	1/25(14)→	R	3/23(18)→
BLACKBIRD, RUSTY	2M→	3/15-30(8)	3/5-26(50)→	3/11(4)→	2/28-3/18(23)→	3/3→	2/27(2)-3/15(34)→	1/6(2)→	R	2/27(40)→
GRACKLE, COMMON	2L→	-	-	-	A	3/8→	-	1/13→	R	2/4(2)-9(9)→
COBBIRD, BROWN-HEADED	P	R	1/27(2)-3/26(7)→	-	P	A	A-3/9(8)	-	-	3/27-31
FINCH, PURPLE	-	-	1/28	-	-	-	-	-	-	-
SISKIN, PINE	-	-	-	-	-	-	-	-	-	-

	LEBANON	LYCOMING	MERCER	MIFFLIN	MONROE	MONTGOMERY	MONTOUR	PHILADELPHIA	PIKE	POTTER
LOON, COMMON	-	3/25-31(2)	3/25(2)-29(6)-30(2)	-	-	3/27→	-	→1/6(4)	-	-
GREBE, PIED-BILLED	3/9-31(8)	-	3/16(2)-28(4)	-	-	3/15→	3/28-15	3/24(2)	-	-
HORNED	3/17(3)-31(4)	3/9(2)-31(15)	3/14(2)-28(10)-31(5)	-	-	3/2-18(3)→	3/11(4)	-	-	3/3
CORMORANT, DOUBLE-CRESTED	-	-	3/20(17)→	3/22(3)	-	3/24(2)→	-	A-1/6(32)	-	-
HERON, GREAT BLUE	A	-	R	R-(2)	-	A-3/27(7)→	R	A-1/6(36)	R	A
VULTURE, BLACK	A-2/27(70)	-	-	P-(31H)	-	A-2/18(5)→	-	P	2/28(3)	-
TURKEY	R-3/11(800)	2/28→	2/3E→	R-(18H)	-	A→	A	A	2/28(4)-3/9(16)→	2/26→
GOOSE, GR. WHITE-FRONTED	2/11-17(2)-18(2)	3/11(100+)	-	-	-	2/18(2)-19	2/27(250)-3/14(6000)-28(2)	A	-	3/2
SNOW	A-2/18(80000)	R	-	R-(82H)	R	A-(10000)	R-2/27(2000)	R	R-3/21(450)	A
CANADA	R	-	R	-	-	1/2-3/2(2)	-	P	R	-
SWAN, MUTE	1/14	-	2/13(3)→	-	-	3/13(26)→	3/4(65)-11(500)-24(2)	-	-	3/15
TUNDRA	A-3/10(10000)	-	1/16-2/28(50+)→	3/24(300+)	-	2/15-3/11(7)→	3/24	3/8(50H)→	-	3/13
DUCK, WOOD	3/9(2)	3/17(4)→	3/14-28(12)→	3/30(4)	-	2/1(2)-3/2(15)→	-	-	3/25(2)→	3/13
GADWALL	3/9(4)	-	3/14	-	-	2/1092-3/13(70)→	3/11(2)-15(16)-24(2)	→3/27	-	3/14(2)
WIGEON, AMERICAN	3/9(27)	3/9(2)-31(15)	2/25(2)-3/18(12)-28(8)	P-(7)	-	A→	1/1(200)→	R-3/3(120)	R	3/27
DUCK, AMERICAN BLACK	R	-	2/26(2)-28(12)	R	R	A→	R-1/1(250)	R-1/6(799)	R	A
MALLARD	R	R	R	R	R	A→	-	3/11(2)→	-	-
TEAL, BLUE-WINGED	3/5(6E)	-	-	-	-	3/8-3/17(7)→	-	-	-	-
SHOVELER, NORTHERN	3/9(6)	-	3/28(4)-30(10)	-	-	3/30(4)→	-	A-3/29(80H)	-	-
PINTAIL, NORTHERN	3/9(4)-10(317H)	-	-	-	-	1/22(2)-3/2(134)→	3/11(100)-20(14)	P	-	-
TEAL, GREEN-WINGED	3/9-10(72)	-	3/13(2)-25(10)-30(2)	-	-	1/24-3/12(15)→	3/11(100)-24(12)	A	-	-

SEASONAL OCCURRENCE TABLES - JANUARY THROUGH MARCH 2001

	LEBANON	LYCOMING	MERCER	MIFFLIN	MONROE	MONTGOMERY	MONTOUR	PHILADELPHIA	PIKE	POTTER
CANVASBACK	3/9-10(7)	-	3/28(2)	-	-	2/9-3/13(2)	-	A	-	-
REDHEAD	3/5(4)-9(17H)-24(4)	-	3/1(4)-20-31(50)	P-(8H)	-	-	-	-	-	-
DUCK, RING-NECKED	2/3-3/9(131)	2/17-3/31(300H)	3/13(8)-29(150)-31(30)	3/22(7)	-	1/22-3/9(85)→	2/28(6)-3/20(55)-24(36)	3/26(2)→	3/31(2)→	3/15(15)→
SCAUP, GREATER	3/9(3)	1/3-2/17	3/28(4)	-	-	-	3/17(9)-20	1/6(2)	-	3/13
LESSER	1/21	-	3/13-28(120)-31(15)	-	-	3/17(21)→	-	-	-	3/29
LONG-TAILED DUCK	-	-	-	3/18(3)	-	-	3/15(2)-17(2)	-	-	-
BUFFLEHEAD	3/8-10(4)	1/3(15)-3/25(50+)→	3/13(10)-28(30)-31(25)	3/18(11)	-	1/23-3/26(13)→	1/17-3/24	1/6(43)	-	3/19→
GOLDENEYE, COMMON	3/10	1/3-3/31(7)	-	3/18(5)	-	1/17-3/13(2)	-	1/6	-	3/9(6)→
MORGANSER, HOODED	2/23(2)-3/9(31H)	3/9(2)-25(100+H)→	3/13(5)-3/30(6)	3/18(6)	-	3/12(16)→	3/11(4)-15(10)-28(2)	P-3/19(20)	3/30(2)	3/27→
COMMON	2/3(150)	R-3/25(50+)	3/9(2)-18(6)-30(2)	3/18(5)	R	3/12(270)→	1/17-3/20(136)→	1/6(414H)	R	2/27→
RED-BREASTED	-	3/9(2)-31(7)	3/3(3)-29(300)-31(100+)	3/18(4)	-	-	3/17-24(6)	1/6-3/26(30)	-	3/17→
DUCK, RUDDY	-	-	3/18(6)-28(2)	-	-	-	3/15→	P-(54H)	-	-
OSPREY	-	-	3/29(2)-30(3)→	-	-	-	-	3/15→	-	3/31
EAGLE, BALD	A-2/11(2)	A	3/18→	2/12	-	P-(2)→	3/24	P-(2)	R-2/3(11)	R
HARRIER, NORTHERN	3/11	-	-	2/12	-	A-1/29(4)→	1/3-2/11(3)-22	P-1/6(12)	3/23(2)→	3/19→
HAWK, SHARP-SHINNED	R	R	R	R-(4H)	R	A→	-	A-1/6(17)	R	A
COOPER'S	R	R	R	R	R	A→	1/4	A-1/6(10)	R	A
GOSHAWK, NORTHERN	R	-	3/31	-	R	-	-	P-1/6(2)	3/21	3/15
HAWK, RED-SHOULDERED	R	-	R	MARCH	R	1/24(2)-3/11	-	1/6	-	A
RED-TAILED	R	-	R	R	R	A→	R-2/11(6)	R-1/6(67)	R	A
ROUGH-LEGGED	-	3/16	3/25-28	-	-	A→	1/1(3)-2/6	-	1/2-8(2)-3/12	A
EAGLE, GOLDEN	-	1/9-10	-	-	-	3/31	-	-	3/26(3)→	2/3→
KESTREL, AMERICAN	R	R	R	R-(4H)	R	A→	R	R-1/6(11)	-	2/1
MERLIN	-	1/27	-	-	-	2/4-8	-	P	-	-
FALCON, PEREGRINE	-	1/6(2)-3/3	-	-	-	-	-	-	-	-
COOT, AMERICAN	1/14-3/31(57)	-	3/13(9)-28(50)-31(35)	-	-	2/26	-	R(6H)	-	-
KILLDEER	1/27	3/17(2)→	1/12-2/24(2)→	R	-	2/10(2)→	2/28(3)→	P-3/25(6H)	-	-
YELLOWLEGS, GREATER	-	-	-	-	-	-	-	1/6(3)	3/18(2)→	2/27→
SNIPE, COMMON	-	-	3/18→	-	-	-	-	-	-	-
WOODCOCK, AMERICAN	2/26(10)-3/11(12)	-	2/20-3/14(2)→	3/26(2)	-	-	2/22(2)→	3/27(5)→	-	3/18→
GULL, BONAPARTE'S	-	-	-	-	-	-	-	3/1(4)→	3/11-30(20+)	-
RING-BILLED	A-1/31(1500)	2/4(3)-3/9(100+)→	-	-	-	A→	2/28(50)-3/3(1000)→	A-1/6(4101)→	P-FEB	3/2→
HERRING	2/15(14)-3/31	1/3	-	-	-	A→	-	A-1/6(1249)→	P-FEB	3/3→
LESSER BLACK-BACKED	-	-	-	-	-	2/3-3/11(3)→	-	1/6(4)-1/15	-	-
GREAT BLACK-BACKED	-	-	-	-	-	2/27→	-	A-1/6(472)→	-	-
OWL, BARN	-	2/13	-	-	-	-	-	-	-	-
BARRED	R	R	R	R	R	-	-	1/9	R	A
LONG-EARED	-	-	-	-	-	-	1/24(14)	-	-	-
SHORT-EARED	-	-	-	-	-	-	1/1-18	-	-	2/24
NORTHERN SAW-WHET	2/26	-	-	-	-	-	-	-	R	3/14
WOODPECKER, RED-HEADED	R	-	1/21-3/18(2)-30	-	-	-	-	-	R	-
SAPSUCKER, YELLOW-BELLIED	A	-	2/23-3/18(2)→	-	-	-	-	A-1/6(13)→	R	-
FLICKER, NORTHERN	R	R	R	P-(8H)	R	-	2/15(2)-3/20	R	R	3/30→
PHOEBE, EASTERN	3/20	-	3/15→	3/21	-	3/17(3)→	3/31→	-	3/16(2)→	3/25→
SHRIKE, NORTHERN	1/17	3/24	3/18	-	-	A→	A→	-	2/9→	-
CROW, FISH	R	R	-	P-(8H)	-	P→	3/28→	R-1/6(116)	A	-
RAVEN, COMMON	P	R	-	-	-	-	-	-	-	-
LARK, HORNED	A	1/27(3)	1/4(4)→	-	-	-	2/6(30)	-	-	A
SWALLOW, TREE	3/20(2)	3/28(12)→	3/18(5E)→	-	-	3/20(4)→	3/24(3)→	3/12→	3/21(4)-30(26)→	3/30→
CHICKADEE, CAROLINA	R	-	-	-	-	A	-	R-1/6(333)	R	A
BLACK-CAPPED	R	R	R	R-(8)	R	P	R	R	R	A
NUTHATCH, RED-BREASTED	-	-	-	3/1	R	3/11(2)	-	-	R	A
CREEPER, BROWN	R	R	A	P	R	3/16(2)	-	A-1/6(5)→	R	-
WREN, WINTER	→3/5	-	-	3/10	R	1/1-3/17	-	A-1/6(8)→	R	3/25→

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	LEBANON	LYCOMING	MERCER	MIFFLIN	MONROE	MONTGOMERY	MONTOUR	PHILADELPHIA	PIKE	POTTER
KINGLET, GOLDEN-CROWNED	R	R	A	P-(9H)	-	P-3/1	3/12-28	A-1/6(53)→	A	A
RUBY-CROWNED	-	-	-	-	-	1/20→	-	P-1/6(13)	-	-
THRUSH, HERMIT	R-3/11(4)	-	-	-	-	2/28→	-	1/6(5)	-	-
ROBIN, AMERICAN	A	R	R	A-(28)	R	A-2/4(1000+)→	1/6(6)→	P-1/6(409)	R	A
CATBIRD, GRAY	-	-	-	P	-	1/11	-	-	-	-
PIPIT, AMERICAN	-	1/27(3)	3/14(2)-31(25)	-	-	-	-	-	-	-
WARBLER, YELLOW-RUMPED	-	-	-	3/8(3)	-	A→	-	-	-	-
PINE	-	-	-	-	-	3/13-25(2+)	-	3/24-27(6)→	-	-
TOWHEE, EASTERN	R	-	3/11→	-	-	-	-	P-1/6(10)	-	A
SPARROW, AMERICAN TREE	→3/17(4)	→1/27(20)-3/12(4)	1/4(65)-3/13(26)	-	-	A→	A	A-1/6(38)→	A	A
CHIPPING	-	-	-	-	-	1/4	-	P	3/20(2)→	-
FIELD	R	-	2/25→	-	-	P→	-	P-1/6(14)	A	-
SAVANNAH	R	-	-	-	-	-	-	P-1/6(12)	-	-
FOX	3/11	-	-	-	-	3/6-11(3)-24	3/23→	A	P-JAN	-
SWAMP	R	-	-	-	-	-	-	R-1/6(29)	-	-
WHITE-THROATED	A-2/26(100)	A	1/4(2)	A→	R	A-2/22(35)→	A	A-(914H)	3/22→	-
WHITE-CROWNED	-	-	-	A→	-	1/21-3/13(4)→	-	-	-	-
JUNCO, DARK-EYED	R	R	A	A→	R	A→	A	A-(215H)	A	A
LONGSPUR, LAPLAND	-	-	-	-	-	-	-	-	-	-
BUNTING, SNOW	→2/16(30)	-	1/9-3/8	-	-	-	→2/10(10)	1/6(5)	-	A
BLACKBIRD, RED-WINGED	R	2/20(40)→	2/9(3)→	3/11(50+)	-	2/27→	2/21(2)→	1/6(358)	2/14(2)-3/26(480)→	A
MEADOWLARK, EASTERN	3/17	3/23→	3/16→	3/20(2)	-	P-2/14(13)→	3/10→	-	-	3/15→
BLACKBIRD, RUSTY	3/9(12)	-	2/9→	2/8(9)	-	1/16(10)-2/28→	3/11(50)→	1/6	-	-
CRACKLE, COMMON	R	-	2/9→	-	-	2/28→	-	P-1/6(59)	3/15(4)→	3/15→
COWBIRD, BROWN-HEADED	R	-	3/16→	A-(2)	R	A-3/3(25)	-	-	A	A
FINCH, PURPLE	3/31	3/31	-	-	-	-	-	-	-	-
SISKIN, PINE	-	-	-	-	-	-	-	-	-	3/10

	SCHUYLKILL	SOMERSET	SULLIVAN	TIOGA	VENANGO	WARREN	WESTMORELAND	YORK
LOON, COMMON	3/26→	3/27(2)	-	3/29(2)-30(8)	3/17→	-	-	3/15(2)→
GREBE, PIED-BILLED	1/16→	3/27	-	3-25→	1/1-2/19	-	1/13→	3/8→
HORNED	3/14-16	3/10(6)-27(100H)	-	3/21-30(7)	3/3→	-	3/11(7)-12(10)	3/3(2)→
CORMORANT, DOUBLE-CRESTED	-	3/27	3/12→	-	-	-	-	-
HERON, GREAT BLUE	A	1/6	3/12→	1/21-3/31(7)	A	-	A	R
VULTURE, BLACK	2/3(2)→	-	-	-	-	-	-	R
TURKEY	1/28→	3/10(4)	3/15→	3/14-31(40)→	3/4→	2/26	2/8→	R
GOOSE, SNOW	2/9-3/12(100)→	3/15	3/3(10)	3/12(10)-21(1000)	3/4	-	-	3/10(100)
CANADA	R	R-2/13(300)	R	1/13-3/3(4000)-2/27	R	-	1/13(350)→	R-3/9(1500)
SWAN, MUTE	A	3/11(24)	-	-	-	1/12(3)	R	R
TUNDRA	2/20(16)-3/23	3/16(2)-27(15)	3/15(4)→	3/12(99)-14(61)	3/1(19)-19	-	2/27(60)	3/3-17
DUCK, WOOD	R	3/4(2)-27(12)	-	3/28-31(16)→	3/18→	-	2/14(2)→	3/19→
GADWALL	-	3/13(4)-27(10)	-	3/28(2)-30(4)→	-	-	1/13(2)	3/8→
WIGEON, AMERICAN	2/20(2)-3/12(30)→	3/15-18(41)	-	3/14(6)→	3/18-2/10	-	2/18(2)-3/11(6)→	3/9→
DUCK, AMERICAN BLACK	A	1/30(2)-3/27(4)	-	1/15-3/14(22)-31(6)	→3/20	1/12(12)	A-1/12(69)	R-1/18(75)
MALLARD	R	R-3/27(150)	3/9→	A-3/29(65)-31(20)	R	-	1/13(200)→	R
TEAL, BLUE-WINGED	3/13(2)→	3/27(10)	-	-	-	-	3/31(4)	3/16→
SHOVELER, NORTHERN	-	3/10(39)-27(20)	-	-	-	-	3/11(9)	3/6-3/16
PINTAIL, NORTHERN	1/29-3/12(24)→	3/4(2)-27(20)	-	3/14(3)-31(14)	1/21-2/10	-	1/15→	3/19-1/18
TEAL, GREEN-WINGED	2/14(3)-3/12(17)→	1/5-3/27(12)	-	3/28(3)-31(2)	1/21	-	1/7→	-
CANVASBACK	3/13(3)	3/11(20)-27(50)	-	-	3/15-16	1/1(2)	2/11→	-
REDHEAD	3/7(7)-10(8)-30(2)	3/13(36)-28(100)	-	-	1/10-3/22	1/1(7)	1/7-3/11(16)	1/9-3/18
DUCK, RING-NECKED	1/25(2)-3/17(320)→	1/6(11)-3/11(244)	-	3/14(5)-23(40)-31(8)	3/2-1/1	-	A-3/12(300)	2/20→
SCAUP, GREATER	3/13-17(20)→	3/15(6)-27(60+)	-	3/28(4)	1/1-3/1	-	2/14-3/11(5)	1/3-3/9(193)→
LESSER	3/10(2)→	2/24(2)-3/27(900)	-	3/31(2)	1/27-3/12	-	2/10(3)-3/22(250)	3/9→
LONG-TAILED DUCK	-	3/13-22(2)	-	-	-	-	-	-
BUFFLEHEAD	2/21(2)→	3/13(6)-27(100)	-	3/25(2)→	A-1/20(10)	-	2/24-3/11(8)	3/8→
GOLDENEYE, COMMON	1/28-3/10	3/11(12)	-	-	→3/18(122)	-	3/11-18	2/8L

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	SCHUYLKILL	SOMERSET	SULLIVAN	TIOGA	VENANGO	WARREN	WESTMORELAND	YORK
MERGANSER, HOODED	1/19→	3/13(20)-27(60)	3/23(2)→	3/6(8)-28(19)-31(16)	3/3→1/1	-	2/24(4)→	3/3→
COMMON	1/16-37(160)→	3/13	3/15(2)→	1/12(3)-2/26(100)-31(600+)	A-3/24(75)	-	1/2→	→3/22(44)-28
RED-BREASTED	3/10	3/13(6)-27(200)	-	3/14(17)-30(78)-31(46+)	3/1→1/1	-	P	^3/3-28
DUCK, RUDDY	3/26(2)→	3/27(2)	-	3/31(5)	3/29→	-	2/26(2)	3/20
OSPREY	-	-	-	3/25(3)-31(5)	3/21→	-	-	3/26E→
EAGLE, BALD	2/3-15	3/15-18	3/22	1/15-3/18(3)-30(4)	A-3/18(8)	1/12(5)-2/11(10)-13(17)	A-3/12(2)	A
HARRIER, NORTHERN	1/5-3/15	3/4	-	1/1-3/14(2)-23	2/10→	-	A	1/21-29
HAWK, SHARP-SHINNED	R	P	R	A-3/25	A	-	R	A
COOPER'S	R	P	R	A-3/14	R	3/18	R	A
GOSHAWK, NORTHERN	R	3/1	R	-	1/21	-	-	3/26
HAWK, RED-SHOULDERED	R	-	-	3/14	A-2/4(4)	-	P	R
RED-TAILED	R	R	R	A-2/8-3/31(8)	R-2/4(26)	-	R-2/11(15)	R
ROUGH-LEGGED	1/1-3/16	1/2-2/8(2)-3/22	-	3/7	A	-	2/7	-
EAGLE, GOLDEN	1/25(2)-3/25	2/27	3/13	3/5	-	-	-	-
KESTREL, AMERICAN	R	R	R	A-1/18-3/31(2)	R	-	R	R
COOT, AMERICAN	3/14→	2/11(2)-3/27(100)	-	3/31	3/31	-	1/13(3)-3/11(12)→	A
KILLDEER	2/20→	3/16-19(6)	-	3/13-3/25(3)→	3/1→2/10	-	1/9→	R
YELLOWLEGS, GREATER	-	-	-	-	3/16	-	3/31→	-
SNIPE, COMMON	2/15(2)→	3/20(8)	-	3/25(10)→	3/20-27(12)→	-	1/8→	3/10→
WOODCOCK, AMERICAN	2/16(2)→	3/1	3/20→	-	2/21	-	2/10→	2/10(15)-3/12(2)
GULL, BONAPARTIS	-	3/27(6)	-	-	-	-	3/11→	-
RING-BILLED	A	1/8(3)-3/27(200)	-	2/26(50)-3/18(300)-31(8)	1/8→	-	2/9(35)→	A
HERRING	A	3/13(2)	-	3/14(2)-18(20)-31(5)	-	-	-	A
GREAT BLACK-BACKED	-	-	-	-	-	-	-	1/13-27
OWL, BARN	R	-	-	-	-	-	2/7	R
BARRIED	R	2/7	R	R	R	-	-	R
SHORT-EARED	-	3/15-16(2)	-	3/3	-	-	-	1/4
NORTHERN SAW-WHET	R	-	-	3/3	3/10-2/4	3/11-17	-	2/8
WOODPECKER, RED-HEADED	1/27-3/13	-	-	-	-	-	-	R
SAPSUCKER, YELLOW-BELLIED	A	1-9(2)→	-	-	-	-	A	A
FLICKER, NORTHERN	A	-	-	3/10→	A	-	A	R
PHOEBE, EASTERN	1/7→	3/19	-	3/10→	3/15→	-	2/21→	3/12→
SHRIKE, NORTHERN	1/1-3/10-11	3/1	-	1/7-18	2/4-3/18	-	2/7→	-
CROW, FISH	A	-	-	-	-	-	-	R
RAVEN, COMMON	R	R	R	R-3/11-A-(5)-3/25	1/30(2)→	1/18	R	R
LARK, HORNED	A	A	-	A-3/7(4)-31(84+)	1/1-3/10(35)-22	-	A-2/24(75)	1/22(175+)-23
SWALLOW, TREE	3/19→	-	-	3/23-31(20+)	3/18→	-	P	3/19→
CHICKADEE, CAROLINA	-	-	-	-	-	-	R	R
BLACK-CAPPED	R	R	R	R-1/1(12+)-3/31	A	-	R	R
NUTHATCH, RED-BREASTED	R	-	-	3/20(5)	-	-	A	1/26
CREEPER, BROWN	R	-	R	-	3/24-1/26	-	R	A
WREN, WINTER	A	-	-	-	3/22-23	2/7	R	A
KINGLET, GOLDEN-CROWNED	R	2/3(3)	R	A	A	-	A	A
RUBY-CROWNED	A	-	-	-	-	-	1/29	A
THRUSH, HERMIT	A	-	-	-	-	-	A	→2/4
ROBIN, AMERICAN	R	A	2/25→	2/14(2)-3/31(87+)	A	-	A	R
CATBIRD, GRAY	1/20	-	-	-	-	-	-	-
PIPIT, AMERICAN	-	-	-	-	3/27	-	3/11	1/23
WARBLER, YELLOW-RUMPED	1/21→	-	-	-	-	1/18-2/18	A	A
PINE	-	-	-	-	-	-	-	-
TOWHEE, EASTERN	3/17→	1/25(3)→	3/6→	-	-	-	A	1/1
SPARROW, AMERICAN TREE	A	A-(20)	-	A-1/1(36)-3/29(4)	A	-	A	→3/5
CHIPPING	3/25→	-	-	-	-	-	-	3/31
FIELD	R	-	-	-	3/23→	-	A	A
FOX	1/27→	3/15-26(3)→	-	3/21-30	-	2/27	3/6→	1/4-9
SWAMP	R	-	-	-	3/15-1/20	-	R	A
WHITE-THROATED	A	-	A	-	A	-	A	A

SEASONAL OCCURRENCE TABLES - JANUARY THROUGH MARCH 2001

	SCHUYLKILL	SOMERSET	SULLIVAN	TIOGA	VENANGO	WARREN	WESTMORELAND	YORK
WHITE-CROWNED JUNCO, DARK-EYED LONGSPUR, LAPLAND BUNTING, SNOW	P A -	- A-(30) -	- R -	- A-1/1(2)-10(66)-30(3) -	3/18→ A 3/10-12(2)	- - -	→2/4(25) R 2/24	A A 1/23
BLACKBIRD, RED-WINGED MEADOWLARK, EASTERN BLACKBIRD, RUSTY GRACKLE, COMMON COWBIRD, BROWN-HEADED FINCH, PURPLE SISKIN, PINE	1/15(6)+25(25)-2/8(3) 2/11→ 2/20(2)→ 2/27(6)→ 3/2→ 2/21(2)→ 1/4(2)→ 1/19(3)-2/11	2/26 3/20 3/13 3/1 3/30 - -	3/2(2)→ - - 3/15(6)→ - R -	3/10-11(2)-12(25+) 2/12(3)-3/23(500)-31(8+) 3/22-31(10+) 3/26(2)→ 3/6-25(6000)→ 1/10-3/15-31(5) 1/1(2)-17(14)3/10(5) 1/10(2)3/26(7)→	→3/10(20) 3/1-2/10 3/22→ 3/16→ 2/10-26 - A 3/28	- - - - - - 1/17-2/5(2)-28-3/18(2)	1/8(4) A A-1/8(16) A A A →3/26(3) P	- R R 2/28-3/26 R R R 3/24-31 -

## COMPILERS AND OBSERVERS

ADAMS: Peter Robinson, PO Box 482, Hanover 17331, (717) 632-8462, peterrobins@hotmail.com, Shirley Chatelaine, Don & Jennifer Gilbert, Bob Keener, Greg Keller, Jack & Nancy Locher, Bob Moul, Barry & Patty Myers, Brad Ross, Rusty Ryan, Deb Siefken, Carole Simon.

ALLEGHENY: Mike Fialkovich, 805 Beulah Rd, Pittsburgh 15235, (412) 354-3493, mpfial@sgi.net, Don Beck, Paul Brown, Randi Gerrish, Sarah Gerrish, Walter Hammond, Deborah Hess, Paul Hess, Joyce Hoffmann, Margie Kern, Scott Kinzey, Patrick Lynch, Sherron Lynch, Bob Machesney, Carol McCullough, Fred McCullough, Jerry Williams, Dave Rieger, Kate St. John (KSJ), Dana Schaffer, Walt Schaffer, Sam Sinderson, Jack Solomon, Sue Solomon, Jim Valimont, Ned Vandervan, Susanne Varley.

ARMSTRONG: Margaret & Roger Higbee, RR 2, Box 166, Indiana, 15701, (724) 354-3493, bcoriole@twd.net, Lee Carnahan, David Dunmire, Mary Ann Dunmire, Shirley Graff, Tom Graff, Len Hess, Linda Hess, Bob Jackman, George Kavish, Dennis Lauffer, Amy Loughrey-Gray, Lonnie Lowndes, Mark McMonaghy, Joe Valasek, and Goerge Veronesi.

BEAVER: John Cruzan, 150 Sunview Dr, Beaver Falls 15010, jcruzan@geneva.edu, Bruce & Barb Kiester, Jim Barker, Robert Lash, Scott Kinzey, Ed Richards.

BEDFORD: Janet Schaffer, RR 6 Box 338, Bedford 15522, (814) 356-3553, Laura & Mike Jackson.

BERKS: Rudy Keller, 71 Lutz Rd, Boyertown 19512, (610) 845-7310, rkeller@astro.ocis.temple.edu, David Barber & Hawk Mountain Sanctuary volunteers & staff, Ed Barrell, Tom Clauser, Carolyn Drasher, Jim Eckert, Catherine R. Elwell, Amy Fransisco, Kenneth & Dorothy Grim, Kerry Grim, Katrina Knight, Ken Lebo, Peter Saenger, Harold & Joan Silogy, Matt Spence, Bill Uhrich, Matt Wlasniewski.

BLAIR: Charlie Hoyer, PO Box 32, Tyrone 16686, Marcia Bonta, Stan Kotala, and David Kyler.

**BRADFORD: Bill Reid, 73 W. Ross St, Wilkes-Barre 18702, (570) 836-2734**

BUCKS: August Mirabella, 1442 Wheaton Ln, North Wales 19454, AugustMirabella@aol.com, Don Aiman, Diane Allison, George Armistead, Alan Brady, Sally Conyne, Chuck Crunkleton, Ward Dasey, Eastern PA Birdline, Bill Etter, Devich Farbotnik, Doug Filler, Ron French, Bob Friedermann, Roy Frock, Ray Hendrick, Bill Hoehne, Laurie Larson, Joe Majden, Jim & Susan Milligan, Judy Mirabella, Evan Obercian, Nick Pulcinella, Ken Rieker, Pat Rossi, Cameron Rutt, Elaine Ryan, Matt Sharp, Nick Zahn.

BUTLER: Paul Hess, 1412 Hawthorne St, Natrona Heights 15065, (724) 226-2323, phess@salsgiver.com, Ken Behrens, Dave Darney, Mike Fialkovich, Evelyn Fowles, Mike Fowles, Randi Gerrish, Sarah Gerrish, Joyce Hoffmann, Samuel Karas, Margie Kern, Scott Kinzey, Bob Machesney, Carol McCullough, Fred McCullough, Sam Sinderson, Jack Solomon, Sue Solomon, Russ States, Randy Stringer, Robert Walczak, Gene Wilhelm, Debbie Yovanovich.

CAMBRIA: Gloria Lamer, 515 Laurel Run Rd, Penn Run 15765, (724) 349-1159, Georgette Syster, 428 Laurel Run Rd, Penn Run 15765 (724) 349-6293, Alice Beatty, Dave Gobert, Judy Johns, Clay Lamer, Bob Michny, Kay St. John.

CARBON: Dave Hawk, 521 Walnut St, Lehighton 18235, (610) 377-2407, Bob Frantz, Jeff Frantz, Steve Hawk, Devin Kline, Dan Kunkle, Barry Reed, Rehrig family, Nancy Selinsky.

CENTRE: Eugene Zielinski, 1322 Old 220 Rd., Bellefonte 16823, (814) 353-8212, eez55@earthlink.net, Cindy Angelone, Diane Bierly, Nick Bolgiano, Dan Brauning, Jim Dunn, Robert Fowles, Roana Fuller, Debra Grim, Greg Grove, Joe Gyekis, Molly Heath, Mark Henry, Nancy Ellen Kiernan, Brian Kovak, Terri & Aaron Lukens-Gabel, Alan & Frances MacEachren, Mike McCarthy, Scott McConnell, Daphne Minner, Alison Norris, Tim O'Connell, Dan Ombalski, Larry & Mary Ramsey, Steve Repasky, Matt Rockmore, Jerry Saul, Robert Snyder, William Toombs, Chuck Widmann, George Young.

CHESTER: Eleanor Wolf, 148 Harvest Ln, Phoenixville 19460, (610) 933-6414, wolfriel@voicenet.com, Barry Blust, Theodore Drozdowski, Paul Early, Tony Fernandes, Peter Gray, Diane Gray, Mike Harvell, Beryl Hurlock, Phyllis Hurlock, Mary Alice Knox, Grant Lashbrook, Margie Lashbrook, Larry Lewis, Jeff McLaughlin, Holly Merker, Rick Robinson, Grier Saunders, Maggie Scarpone, Lisa Tull, Dan White, Hoy White, Richard Wolf, Marita ?.

CLARION: Margaret Buckwalter, 249 Maple Dr, Shippenville 16254, (814) 782-3925, mbuckwalter@usachoice.net, Julie Amsler, John Fedak, Walter Fye, Brad Gould, Mike Leahy, Dale Luthringer, John Royer.

CLEARFIELD: Eugene Zielinski, 1322 Old 220 Rd., Bellefonte 16823, (814) 353-8212, eez55@earthlink.net.

CLINTON: Wayne Laubscher, RR 2 Box 153, Lock Haven 17745, (570) 748-7511, wlausch@cub.kcnet.org, Dan Brauning, JoAnn Bowes, Mary Craig, James Curtis, Lynn Earon, Shonah Hunter, Dave Rockey, Sam Rockey, Beth Zbegner.



**COLUMBIA:** Scott Killam, 250 Old Tioga Tpk, Shickshinny 18655, (570) 864-2605, [skillam@epix.net](mailto:skillam@epix.net), Doug Gross, Judy Lynn, Hugh & Dianne McFadden, Carol Sands.

**CRAWFORD:** Ron Leberman, 11508 Pettis Rd, Meadville 16335, (814) 724-5071.

**CUMBERLAND:** Deuane Hoffman, 3406 Montour St, Harrisburg 17111, (717) 564-7475, [raven@paonline.com](mailto:raven@paonline.com), Carolyn Blatchley, Ramsay Koury, Dan Snell.

**DAUPHIN:** Richard Williams, 3 Parkside Ave, Hummelstown 17036, (717) 566-6562, [dickpatwill@juno.com](mailto:dickpatwill@juno.com), Karen Atwood, Harry Baney, Jane Barnette, Scott Bills, Dan Bogar, Lorie & Mark Bowers, Dan Brauning, Carolyn Blatchley, Christine Castellano, Ed Chubb, Nancy Cladel, Mike Dale, Cindy Dunn, Kenneth Eby, Peter Fox, Dick Franz, Joan & Jim Funck, Jim Giacomo, Mary Herrold, Deuane Hoffman, Cliff Jones, Nancy & Carl Juris, Ramsey Koury, Sandy Lockerman, Rose & Reyn Magee, Bob Moul, Jim Mountjoy, Cara Musser, Larry Massey, Toby Petersheim, Grace Randolph, Joan Renninger, Peter Robinson, Tom Smith, Dorie Stine, Patricia Williams, Sally & Richard Zaino.

**DELAWARE:** Doris McGovern, 209 Dogwood, Media 19063, (610) 565-8484, [mcgovern2@masca.museum.upenn.edu](mailto:mcgovern2@masca.museum.upenn.edu), Skip Conant, Gregg Gorton, Al Guarente, Sheryl Johnson, Jim Lockyer, John Miller, Marlene Miller, Edie Parnum, Nick Pulcinella, Tom Reeves, Rose Tree Park hawk watchers, Dave Washabaugh.

**ERIE:** Jerry McWilliams, 3508 Allegheny Rd, Erie 16508, (814) 868-3059, [jerrymcw@aol.com](mailto:jerrymcw@aol.com), Dick Bollinger, Ben Coulter, Dave Darney, Mike Fialkovich, Jason Horn, Pat Kramer, Linda McWilliams, BB Oros, Don Snyder, Linda Wagner.

**FAYETTE:** Mike Fialkovich, 805 Beulah Rd, Pittsburgh 15235, (412) 731-3581, [mfial@sgi.net](mailto:mfial@sgi.net), Dennis Lauffer, Mark McConaughy, Dana Schaffer, Walt Schaffer

**FOREST:** Florence & Jim McGuire, HC 1 Box 6A, Tionesta 16353, (814) 755-3672, [mcguires@penn.com](mailto:mcguires@penn.com), Terry Bean, Rodney Daum, Lisa Imperiale, Dale Luthringer.

**FRANKLIN:** Dale Gearhart, PO Box 155, Shady Grove 17256, (717) 597-3979, [gear@innernet.net](mailto:gear@innernet.net).

**FULTON:** Daniel Snell, PO Box 653, Shippensburg 17257, (717) 532-7708, [snell@raskas.com](mailto:snell@raskas.com), Deuane Hoffman, Mike Newell.

**GREENE:** Kathy Kern, 322 Kennel Rd, Waynesburg 15370, [n3xsj@alltel.net](mailto:n3xsj@alltel.net), Ralph Bell, Kim Barbetta, Marjorie Howard, Kathy Reeves.

**HUNTINGDON:** Greg Grove, RR 1 Box 483, Petersburg 16669, (814) 667-2305, [gwg2@psu.edu](mailto:gwg2@psu.edu), David Brandes, Robert Fowles, Deb Grove, David Kyler,

Trudy Kyler, Mike Lanzone, Trish Lanzone, Derek Lovitch, Dan Ombalski, Jesse Swarey, Chuck Widman.

**INDIANA: Margaret & Roger Higbee, RR 2 Box 166, Indiana 15701, (724) 354-3493, [bcoriol@twid.net](mailto:bcoriol@twid.net), Amber Beale, Bronnie Bekker, Kathleen Broda, Ken Byerly, Lee Carnahan, David Dunmire, Mary Ann Dunmire, Patience Fisher, Mike Fowles, Shirley Graff, Steve Graff, Carol Guba, Len Hess, Linda Hess, Linda Huber, Bob Jackman, Carolyn Jackman, Karen Jackson, Dory Jacobs, Pat Johner, Mark Keppler, Scott Kinzey, Gloria Lamer, Dennis Lauffer, Mark McConaughy, Mike Musselman, Laura Posten, Nancy Smeltzer, Patrick Snickles, Georgette Syster, Nancy Trice, Linda Wagner, Greg Zawrotny, Robin Zawrotny.**

**JUNIATA:** Toby Petersheim, RR 2, Box 150, Mifflintown 17059, Kenneth Eby, Deuane Hoffman, Christopher Kaneagy, Daniel Kaneagy, Aaron Petersheim, Elmer Petersheim, Fannie Petersheim, Henry Petersheim, Titus Petersheim, Abe Renno, Amos Renno, Paul Renno, Amos Swarey, Aden Troyer, Andy Troyer, David Troyer, Mary Troyer, Marvin Troyer, Dusty Weidner.

**LACKAWANNA: Bill Reid, 73 W. Ross St, Wilkes-Barre 18702, (570) 836-2734.**

**LANCASTER:** Jonathan Heller, 206 Newcomer Rd, Mount Joy 17552, (717) 653-5541, [rheller@popmail.voicenet.com](mailto:rheller@popmail.voicenet.com), Jim Binder, Carolyn Blatchley, Bruce Carl, Jeff Fisher, Jack Gilbert, Jay George, Dan Heathcote, Lori Heathcote, Deuane Hoffman, Arlene Koch, Kate Miller, Randy Miller, James Mountjoy, Peter Robinson, Robert Schutsky, Leon & Jane Schreffler, Dan Snell, Jeffrey Swarey, Fred Zimmerman.

**LAWRENCE: Randy Stringer, 409 Shady Dr, Grove City 16127, George and Barb Dean, Steve Graff, Margaret Higbee, Nancy Rogers, Bill Shellenberger, Linda Wagner, Robert Walczak.**

**LEBANON: Randy Miller 607 Woodland Dr, Mannheim 17545, (717) 664-3778, Jane Light, Ken Light, Ann Mease, Kate Miller, Rosemary Spreha, Bruce Weaver, Susan Wheeler.**

**LEHIGH:** Jon Levin, [levinjl@apci.com](mailto:levinjl@apci.com).

**LUZERNE: Rick Koval 305 William St, Plains 18705, (717) 570-4381, [unibirder@aol.com](mailto:unibirder@aol.com).**

**LYCOMING: Wesley Egli 105 Sherman St., Muncy, 17756, (570) 546-3957, Ron Beach, Dave Ferry, Tim Frantz, Steve Hoffman, Sharon Hummel, Shawn Myers, Mike Reeder, Ed & Tink Reish, Fred Stiner, Joe Yoder, Jerry Zeidler.**

**MCKEAN: Linda Ordiway, 72 Gilbert Lane, Bradford 16701, (814) 368-7464, [FSL@penn.com](mailto:FSL@penn.com).**

**MERCER: Marty McKay, 2320 Valley View Rd, Sharpsville 16150, (724) 962-7476, Harriett Bauer, Greg Butcher, Suzanne Butcher, Jerry Stanley, Randy Stringer,**

Harvey Troyer, Jerry Troyer, Melvin Troyer, Neil Troyer, Ruth Troyer.

**MIFFLIN:** Margaret Kenepf, RR 2 Box 343, McVeytown 17051, (717) 899-6252, mkenepp@lcworkshop.com, Jesse Swarey.

**MONROE:** Brian Hardiman, 8050 Running Valley Rd, Stroudsburg 18360, (717) 629-3061, fax 629-3063, Victor Motts, Edie Parnum, Jenifer Rituper, Darryl Speicher, Roger Spotts.

**MONTOGMERY:** Kevin Crilley, PO Box 100, Sumneytown, 18084, (215) 234-6867, Eva Abraham, George Franchois, Alan & Carol Gehret, Paul & Anita Guris, Jeff Hopkins, Sheryl Johnson, Bob Kahley, August & Judy Mirabelle, Bill & Naomi Murphy, Ken Reiker, Kathy Stagl.

**MONTOUR:** Jon Beam, Montour Preserve, 700 Preserve Rd, Danville 17821, (570) 437-3131, preserve@papl.com, Frank Bonanno, Robert Bleiler, Mark King, Dave Unger.

**NORTHAMPTON:** Rick Wiltraut, PO Box 135, Nazareth 18064.

**PERRY:** Deuane Hoffman, 3406 Montour St., Harrisburg 17111, (717) 564-7475, raven@paonline.com.

**PHILADELPHIA:** Doris McGovern, 209 Dogwood, Media 19063, (610) 565-8484, mcgovern2@masca.museum.upenn.edu, Denis Brennan, Skip Conant, Dave Cutler, Jack Files, Cliff & Nancy Hence, Chuck Hetzel, Steve Kerr, Steve Lawrence, Chuck Lyman, Jim McKinney, John Miller, Winston Moody, Charles Muntean, Edie Parnum, Keith Russell, Matt Sharp.

**PIKE:** Patrick Scheuer, PEEC, RR 2 Box 1010, Dingmans Ferry 18328, (570) 828-2601, peec@ptd.net.

**POTTER:** David Hauber RR 2 Box 153, Coudersport 16915, (814) 274-8946, haubers3@penn.com, Betty Devling, Mary Devling, Roger Hess, Larry Hirst, Rick Lytle, Mary Hirst, Jack Mitterer, Steve Sevinsky, Roy Thompson, Gary Witmer.

**SCHUYLKILL:** Dave Kruef, 540 Pine St, Pottsville 17901, (570) 622-1184, accip@pottsville.infi.net, Dave Baeber, Brian Clauser, Tom Clauser, Viv Connor, John DeBalko, Denise Donmoyer, Marilyn Gamble, Kerry Grim, Ron Homa, Barb Jucker, Carole Laughlin, Ann Marie Liebner, William Malarkey, Joe Scholtes, Barb Stauffer, Steve Thorpe, Mike Ward, Scott Weidensaul, Doug Wood, Sally Weisacosky.

**SNYDER:** Cindy Davis, 40 S. Second St. Apt 2, Lewisburg 17837, (717) 570-0785.

**SOMERSET:** Scott Bastian, 172 Bethany Rd. Somerset, PA 15501, (814) 445-6727, ScottNJill@shol.com, Jill Bastian, Dick Byers, Tom Dick, Anthony Marich, Jr., Jeff Payne, Loretta Payne.

**SULLIVAN:** Nick Kerlin, PO Box 62, Forksville 18616, (570) 924-3542, bluebird@epix.net, Fred Crafts, Bob and Joan Exley, Nick Kerlin, Ann Leach, Donna Long, Heather Remoff.

**TIOGA:** Robert M. Ross, 97 State Rte 287 N, Wellsboro 16901, (570) 376-5394, rossr@usgs.gov, Arlene Brown, Larry Brown, Marth Copp, John Deming Sr., Ben Isreal, Chandra Israel, Bill Lellis, Joanna Stickler.

**VENANGO:** Gary Edwards, RR1 Box 494, Seneca 16346, (814) 676-3011, gedwards@csonline.net; Russ States, 24 E 5th St, Oil City, 16301 (814) 676-6320, russs@csonline.net, Dave Edwards, Jerry Stanley, Kathie Goodblood.

**WARREN:** Ted Grisez, 10 Belmont Dr, Warren 16365, (814) 723-9464, Bill Hill, Jim King, Chuck & Margie Neel, Chase Putnam, John Schultz, Don Watts.

**WESTMORELAND:** Robert C. Leberman, Powdermill Nature Reserve, HC 64 Box 453, Rector 15677, (724) 593-7521, Dick Byers, Marcy Cunckelman, Jim Gruber, Dennis Lauffer, Mark McConaughy, Robert S. Mulvihill, Chuck Norton, Julia Pahountis-Opacic, Mary Jane Seipler, Bob Shaw, Ellen Spain, Tim Vechter.

**WYOMING:** Bill Reid, 73 W. Ross St, Wilkes-Barre 18702, (570) 836-2734.

**YORK:** Al Spiese, 4086 Old Orchard Rd, York 17402, (717) 755-8309, Ed Bernot, Jack & Lil Downs, Dan & Lori Heathcote, Karen Lippy, Andrew McGann, Bob Moul, Jeff Pheasant, Randy Phillips, John & Jean Prescott, Peter Robinson, Pat Sabold, Dave Wildasin.