



THE MIGRANT



A QUARTERLY JOURNAL
DEVOTED TO TENNESSEE BIRDS

PUBLISHED BY
THE TENNESSEE
ORNITHOLOGICAL
SOCIETY

DECEMBER 2019
VOL. 90, No. 4

THE MIGRANT
A QUARTERLY JOURNAL OF ORNITHOLOGY
PUBLISHED BY

THE TENNESSEE ORNITHOLOGICAL SOCIETY
The TOS is a non-profit, educational, scientific and conservation organization.

EDITORIAL STAFF

Editor: Bob Ford, 808 Hatchie, Brownsville, TN 38012 <editorthemigrant@gmail.com>

Associate Editors:

Susan McWhirter, 274 Beech Grove Road, McMinnville, TN 37110 <snmcwhirter@gmail.com>
and

Martha Waldron, 1014 Murray Hill Lane, Memphis, TN 38120 <martha.waldron@gmail.com>

State Count Compiler: Ron Hoff, 166 Chahyga Way, Loudon, TN 37774 <webe2brdrs@gmail.com>

Season Editor: Richard L. Knight, 804 North Hills Dr., Johnson City, TN 37604 <rknight8@earthlink.net>

Regional Season Editors:

Western Coastal Plain: Dick Preston, 261 Sassafras Circle, Munford, TN 38058

<dickpreston48@gmail.com>

Highland Rim and Basin: Stephen C. Zipperer, 3105 Chapel Hills Drive, Murfreesboro, TN 37129

<stczipperer@aol.com>

Eastern Ridge and Valley: Richard L. Knight, 804 N. Hills Rd., Johnson City, TN 37604

<rknight8@earthlink.net>

Eastern Mountain: Richard P. Lewis, 407 V.I. Ranch Rd., Bristol, TN 37620 <mountainbirds@email.com>

OFFICERS FOR 2019

President: Danny Gaddy, PO Box 9613, Chattanooga, TN 37412 <Gaddy@catt.com>

Vice Presidents:

East Tenn. - Chris Welsh, 5337 Hickory Hollow Rd, Knoxville, TN 37919 <cwelsh@utk.edu>

Middle Tenn. - Danny Shelton, 705 Countrywood Drive, Franklin, TN 37064 <dashelt@comcast.net>

West Tenn. - Dick Preston, 261 Sassafras Circle, Munford, TN 38058 <dickpreston48@gmail.com>

Treasurer: Pam Lasley, 5886 Wilshire Drive, Nashville, TN 37215 <plasley@comcast.net>

Secretary: Cyndi Routledge, 1515 N. Willow Bend Court, Clarksville, TN 37043 <routledges@bellsouth.net>

Directors-at-Large:

East Tenn. - Susan Hubley, 128 John Sevier Circle, Rogersville, TN. 37857 <shubley@msn.com>

Middle Tenn. - Mac McWhirter, 274 Beech Grove Rd, McMinnville, TN 37110 <npmcwhirter@gmail.com>

West Tenn. - Allan Trently, 580 East Lafayette Street, Jackson, TN 38301 <ajtcorox@hotmail.com>

Curator and Webmaster: vacant

Assistant Curator: Dr. Stefan Woltmann, Austin Peay State University, 601 College St., Clarksville, TN 30740

<woltmanns@apsu.edu>

The Tennessee Warbler (TOS Newsletter) Editor: Theresa Graham, P.O. Box 366, Oakland, TN 38060

<2graham@bellsouth.net>

The TOS website can be found at: www.tnbirds.org

Send subscriptions & address changes to:

Tennessee Ornithological Society, 5886 Wilshire Drive, Nashville, TN 37215

Printed by: Russell Printing Options, 1800 Grand Ave., Knoxville, TN 37916

Copyright © 2014 by the Tennessee Ornithological Society — ISSN 0026-3575575

THE MIGRANT

Published by the Tennessee Ornithological Society
to Record and Encourage the Study of Birds in Tennessee
Issued in March, June, September and December

VOL. 90

DECEMBER 2019

NO. 4

The Migrant 90(4): 109-111, 2019

WINTER DIET OF A LONG-EARED OWL IN NORTHEAST TENNESSEE

Richard L. Knight
Johnson City, Tennessee

The Long-eared Owl (*Asio otus*) is a widespread Holarctic species whose normal breeding range in eastern North America extends south from Canada to southern Wisconsin, southern Michigan, and into Pennsylvania (Marks et al. 1994, Weidensaul 2015). The species is both migratory and nomadic (Weidensaul 2015). In the East, its winter range extends south to Tennessee, Virginia, and North Carolina, and rarely farther south to Georgia and the Gulf coast (Weidensaul 2015). In Tennessee it has generally been considered to be a rare winter resident (Somershoe and Sloan 2015). A search of *The Migrant* revealed 56 records scattered statewide in at least 25 counties dating from the 1920s through 2018, attesting to its status as rare in Tennessee. However, it is likely that others go undetected due to this owl's nocturnal habits, retiring nature, poorly known calls, and preference for roosting in dense vegetation.

Analysis of pellets is a standard method of studying the diet of owls. Most large and medium-sized owls, including Long-eared, typically swallow small vertebrate and invertebrate prey items whole. Undigested parts, such as bones, fur, feathers, and chitinous arthropod exoskeletons, are cast into a pellet that is regurgitated. Long-eared Owls specialize on small mammalian prey (Marti 1976), thus pellet analysis should yield accurate diet composition. While food studies of the Long-eared Owl in North America are numerous (Marti 1976, Marks et al. 1994, and references therein), most are from Canada or the northern and western United States, with few from the southeast. Two diet studies come from Kentucky (Abel and Ritchison 1995, Machniak and Elliot 1997), but there is just one from Tennessee. Klippel and Parmalee (1982) examined 71 complete pellets and numerous loose bones taken from underneath a Long-eared Owl roost in Maury County in middle Tennessee. The roost was used for parts of three consecutive winters. The following is a pellet analysis for a site in northeast Tennessee occupied by a Long-eared Owl for part of one winter.

A Long-eared Owl flushed from a row of red cedars (*Juniperus virginiana*) as I walked along a farm lane at Leesburg in Washington County on 5 February 1990. An inspection beneath the roost site revealed a small pile of whole and broken pellets which were collected at that time. Subsequent visits failed to find the owl or any new pellets at that site or at other suitable roosting sites nearby. The habitats around the roost site consisted of a large hay field drained by a small stream and a hillside covered with broomsedge (*Andropogon virginicus*) and scattered thickets of mixed cedar and deciduous trees. This mosaic of habitats provided dense cover for roosting near open fields for hunting, as favored by this owl (Marks et al. 1994). The elevation at the site is 485 m (1590 ft).

Seventeen whole pellets and several fragments, probably representing an additional 10-12 pellets, from the Washington County site were examined. Marti (1973) calculated the rate of pellet formation in this species to be about 1.4 pellets per day; thus, this individual probably had been using the roost for about three weeks prior to its discovery. The whole pellets from this site averaged 44 x 18 mm in size. The pellets and fragments were picked apart, with the skulls used to identify prey species. No arthropod remains were detected in the sample. Fifty-five prey items were found (Table 1), comprising four mammal species plus the partial skulls of two unidentified passerine birds. All mammal species present in this sample are common in low elevation grasslands of northeast Tennessee, including Washington County (Smith et al. 1974). In a similar study, Huffine (1993) found that these same four mammal species made up 90.7% of the prey items in Barn Owl (*Tyto alba*) pellets from Washington and adjacent Greene counties.

Mammals made up 96.4% of the remains from this sample, predominantly Meadow Vole (*Microtus pennsylvanicus*) and Least Shrew (*Cryptotis parva*). Indeed, mammals comprised 98.2% of the prey of Long-eared Owls in a review of North American studies (Marti 1976), with birds forming 1.7%. Similarly, two studies in Kentucky (Able and Ritchison 1995, Machniak and Elliot 1997) and one in Tennessee (Klipple and Parmalee 1982) found a very high frequency (93-99%) of small mammals in the winter diet of this owl. Furthermore, Marti (1976) reported that voles, such as *Microtus* species, dominate the diet of Long-eared Owls in many areas. This is the case in the sample presented here (69.1%), as well as the other Tennessee study (48%) and the two from Kentucky (93% and 63%, respectively) cited above. The remaining three mammal species reported from Washington County were also prominent in the Maury County sample (Klipple and Parmalee 1982). Marks et al. (1994) suggest that Long-eared Owls are opportunists, preying upon whatever small mammal is most readily available.

Table 1. Long-eared Owl prey from pellets collected in Washington County, Tennessee.

<u>Species</u>	<u>Number</u>	<u>Frequency (%)</u>
Short-tailed Shrew (<i>Blarina brevicauda</i>)	2	3.6
Least Shrew (<i>Cryptotis parva</i>)	11	20.0
Eastern Harvest Mouse (<i>Reithrodontomys humulis</i>)	2	3.6
Meadow Vole (<i>Microtus pennsylvanicus</i>)	38	69.1
unidentified songbird (<i>Passeriformes</i>)	2	3.6
Total	55	99.9

LITERATURE CITED

- Abel, V.J. and G. Ritchison. 1995. Prey use by Long-eared Owls and Eastern Screech-Owls in central Kentucky. *Kentucky Warbler* 71:72-75.
- Huffine, D.E. 1993. The food habits of and nesting observations on Barn Owls in northeast Tennessee. Thesis. East Tennessee State University, Johnson City, Tennessee.
- Klippel, W.E. and P.W. Parmalee. 1982. Prey of a wintering Long-eared Owl in the Nashville Basin, Tennessee. *Journal of Field Ornithology* 53:418-420.
- Machniak, A. and C. Elliot. 1997. Comparison of Long-eared and Short-eared Owl winter food habits on a reclaimed stripmine in western Kentucky. *Kentucky Warbler* 73:58-65.
- Marks, J.S., D.L. Evens and D.W. Holt. 1994. Long-eared Owl (*Asio otus*), in *The Birds of North America*, No. 133. (A. Poole and F. Gill, eds.) The Academy of Natural Sciences, Philadelphia, and The American Ornithologists' Union, Washington, D.C.
- Marti, C.D. 1973. Food consumption and pellet formation rates in four owl species. *Wilson Bulletin* 85:178-181.
- Marti, C.D. 1976. A review of prey selection by the Long-eared Owl. *Condor* 78:331-336.
- Smith, C.R., J. Giles, M.E. Richmond, J. Nagel, and D.W. Yambert. 1974. The mammals of northeastern Tennessee. *Journal of the Tennessee Academy of Science* 49:88-94.
- Somershoe, S.G. and C.A. Sloan. 2015. *Birds of Tennessee: A New Annotated Checklist*. Privately published.
- Weidensaul, S. 2015. *Peterson Reference Guide to Owls of North America and the Caribbean*. Houghton Mifflin Harcourt, New York.

BOOK REVIEW – FASTEST THINGS ON WINGS: RESCUING HUMMINGBIRDS IN HOLLYWOOD

Fastest Things on Wings: Rescuing Hummingbirds in Hollywood. Terry Masear. First Mainer Books, 2016. 296 pages.

“Although diving Peregrine Falcons can reach a higher speed in miles per hour, when measured in body lengths per second, hummingbirds travel almost twice as fast making them the fastest things on wings”

Attention grabbing facts like these draw the casual or serious birder into Masear’s informative book about hummingbird rescue and rehabilitation. Who knew that these tiny jewels of nature could be rehabilitated (including everything from nestlings of a few days old to adults with injured backs or wings), coddled under intensive feeding and care, graduated from feeding ICUs to an enclosed backyard aviary, then released to the open sky? Or that an occasional individual would return to buzz a grateful thank you past its caregiver’s ear?

Masear’s book details her sunup to sundown days, especially intense during breeding season: early morning feedings; exercising injured birds by encouraging them to fly from lower perches to higher perches; matching a pair of individuals (one role model and one student) in a cage; separating bullies from a group cage to help weaker birds overcome their fear; filling tiny feeders, collecting nectar producing flowers; endless sanitation of cages and perches; and all interspersed with fielding frantic phone calls from rescuers who hope she can drive across heavily trafficked freeways to pick up birds they have found.

Her boundless love and concern for the hummers is equally matched by her patience in attempting to educate humans about not disturbing nests when the observer has mistakenly concluded the mother has abandoned the young. She also recites telephone conversations with those who are certain they can handle the minute feeding and care of a hummingbird in their home, although the would-be protector has already jeopardized the bird’s likely survival by overfeeding it or blocking its craw with inappropriate food.

The book not only describes her devotion to the task, but also the heartache of losing and burying one of her charges, and the support and advice she is given by other rehabbers of both hummingbirds and other species over her 15 year career. A UCLA professor, she describes philosophical readings that inspire her when tasks seems overwhelming.

This well-written account describes rescues of some 5,000 hummingbirds on Southern California over a 10 year period. Reading the book, we witness the author’s growth as her knowledge of rehabilitation increases through experience and observation. A great gift for any nature lover, especially those with an affinity for hummingbirds.

Camille Monohan, Fairview, Tennessee

Editor's note: These minutes are subject to final approval at the Fall 2020 state meeting of the Tennessee Ornithological Society.

MINUTES OF THE 2019 FALL BOARD OF DIRECTORS MEETING

28 September 2019
Elizabethton, Tennessee

The Fall Meeting was held 28 September 2019 and hosted by the Lee and Lois Herndon Chapter in Elizabethton, Tennessee. Field trips were to Sycamore Shoals State Park, Roan Mountain, Unaka Mountain, Hampton Creek Cove, Carver Gap, and the Big Bald banding station.

President Danny Gaddy called the meeting to order at 5:15 pm; Secretary Cyndi Routledge determined there was a quorum. The minutes of the Spring 2019 meeting were approved as corrected.

REPORTS OF OFFICERS

PRESIDENT: Danny Gaddy reported that since the last meeting, with the approval of the Executive Committee, \$1500 was released from the conservation reserve and donated to Dauphin Island Bird Sanctuaries, Inc., for the purchase of vital migratory bird habitat.

WEST TENNESSEE VICE PRESIDENT: Dick Preston reported that the Spring 2020 meeting will be held in Memphis the last week of April.

TREASURER: Pam Lasley reported the Society remains in good financial shape with revenue and expenses running as expected. Our investment balance has grown by \$38,345 since 2018 and currently stands at \$381,526. The Conservation and Research fund awarded \$9318 in grants this year. As required by the constitution, an examination of the 2018 financial records was performed by Susan Hollyday, former Finance chair. The results were a clean audit.

COMMITTEE REPORTS

CONSERVATION POLICY COMMITTEE: On behalf of the committee, Co-chair Dick Preston asked that members contact their Representatives to urge their support of H.R. 919. This is a bipartisan bill designed to reduce bird mortality by calling for Federal buildings to incorporate bird-safe measures.

OLD BUSINESS

Danny Gaddy announced that Cyndi Routledge is now in charge of development of the new TOS website.

NEW BUSINESS

In light of recent reports on the drastic decline of bird populations, Mac McWhirter made the motion that TOS increase the annual funding for Conservation and Research from \$10,000 to \$20,000 in calendar year 2020. Passed unanimously.

Rick Blanton made the motion that we strongly encourage anyone leading a bird hike enter the data in eBird, beginning with the Spring 2020. Passed unanimously.

Respectfully submitted,

Cyndi Routledge, Secretary

2019 TENNESSEE FALL BIRD COUNTS

Ron Hoff
Loudon, Tennessee

There were eight Fall Bird Counts conducted this year with 193 species reported. The Tennessee River Count was a new count. The weather was reasonably mild during the count period with no major rain events and windy conditions affecting only a couple of counts. Temperatures ranged from 50° F in Perry County to 92° F in Shelby County.

Neotropic Cormorant, Baird's Sandpiper, and Lesser Black-backed Gull were new species for this count, bringing the species total for the Tennessee Fall Bird Count compilation to 258. Count highlights also included Northern Pintail, Ruffed Grouse, American Avocet, Black-bellied Plover, Laughing Gull, Eastern Whip-poor-will, and Swainson's Warbler.

Counts are placed in the table geographically from West to East. Taxonomy follows the latest revision of the AOS Checklist of North American Birds.

COUNT SUMMARIES

(F/Y = feeder/yard watcher)

Blount County (BLNT) – 21 September; 0400-2100. Weather: sunny to partly cloudy; wind 0-5 mph; 63-86° F. Northern Bobwhite, Yellow-crowned Night-Heron, Barn Owl, Least Flycatcher, and Baltimore Oriole were notable. Observers: Jean J. Alexander (compiler), Kathryn Barrow, Warren Bielenberg, Wanda DeWard, Melinda Fawver, Marian D. Fitzgerald, Tom E. Fitzgerald, Paul Hartigan, Kim Henry, Stephen P. Henry, Thomas D. Howe, James R. Human, David M. Johnson, Evan Kidd, Bridget McNew, Karen J. Petrey, Logan Rosenberg, Stephen Rothschild, Michael Ryon, Mary Tankersley, Harumi Tsuruoka, Ken Voorhis, Janet Webber, Ralph Webber, June D. Welch, Valerie Winger, and Randy Winstead.

Elizabethton (ELIZ) – 5 October; 0400-1900. Weather: clear to partly cloudy, fog in the higher elevations; wind E 10-15 mph; 51-82° F. Highlights included an early Common Loon, all three falcons, Brown Creeper, and Marsh Wren. Observers: Fred Alsop, Jim Anderson, Rob Biller, Dallas Brooks, Kevin Brooks, Harry Lee Farthing, Dave Gardner, Mark Hopey, Rick Knight (compiler), Roy Knispel, Richard Lewis, Vern Maddux, Frank McCollum, Larry McDaniel, Joe McGuinness, Cathy McNeil, Tom McNeil, Brookie Potter, Jean Potter, Pete Range, Ken Rea, Brenda Richards, Chris Soto, Michele Sparks, Amber Stanley, Bryan Stevens, Kim Stroud, Scott Turner, and Charles Warden.

Knoxville (KNOX) – 6 October; 0540-2052. Weather: cloudy; wind NW 0-5 mph; 66-76° F. Highlights included Black-crowned Night-Heron, 14 Great Horned Owls, and Marsh Wren. Observers: Robert Abercrombie, Mark Armstrong, Frank Bills, Sharon Bostick, Doug Bruce, Gail Clendenen, Steve Clendenen, Howard Cox, Michael Crouse, Melinda

Fawver, Beverly Gyllenhaal, Paul Hartigan, Howard Haysom, Angela Hoffman, Susan Hoyle, Kristine Johnson, Bill Keeler, Don Lima, Stephany McNew, Doug Mitchell, Michael Plaster, Talissa Ralph, Martha Rudolph, Michael Ryon, Beth Schilling, Kurt Sickafus, Colin Sumrall, Laura Tappan, Shane Williams, and Michael Winck. Non-participating compiler was K. Dean Edwards.

Montgomery County (MONT) – 21 September; 0615-1250. Weather: clear; wind SSE 0-5 mph; 61-89° F. Highlights included Canada Warbler and Dickcissel. Observers: Daniel Moss (compiler), Rick Shipkowski, and Sue Shipkowski.

Nashville (NASH) – 21 September; 0515-2000. Weather: sunny and breezy; 52-90° F. Count highlights include Bank Swallow, Sedge Wren, Mourning Warbler, and Purple Finch. Observers: Kristy Baker, Susan Bradfield, Trae Bradfield, Jean Buchanan, Ed Byrne, Phillip Casteel, Richard Connors, Laura Coulam, Owen Coulam, Nancy Garden, Steve Goodbred, Chris Guerin, Mark Hackney, Joe Hall, Barbara Harris (compiler), John Kell, Julia Liggett, Denis Lovell, Kathy Malone, Amy Potter, Julie Ridge, Polly Rooker, Sarah Scott, Jan K. Shaw, Shelia Shay, Michael Smith, Joe Stone, Pandy Upchurch, LinnAnn Welch, Yuwei Zhu, Zhikun Zhu, and Mary Zimmerman.

Perry County (PRRY) – 5 October; 0300-1730. Weather: sunny and warm; 50-80° F. Pectoral Sandpiper and Song Sparrow were new species for this count. Other highlights included Black-billed Cuckoo, Barn Owl, and Golden-winged Warbler. Observers: Tammy Devine, Joe Hall, Ruben Stoll (compiler), and Victor Stoll.

Shelby County (SHLB) – 15 September; 0730-1830. Weather: partly cloudy; wind S 3-17 mph; 75-92° F. White Ibis and Buff-breasted Sandpiper were notable. Observers: Kenneth Bishop, Betty Blaylock, David Blaylock, Thomas Blevins, Chad Brown, Judy Dorsey, Margaret Jefferson, Georges McNeil, Mary Schmidt, Norman Soskel, Ed Thomas, Jim Varner, Jay Walko, and Jacob Wessels. Non-participating compiler was Dick Preston.

Tennessee River (TNRV) – 24 September; 0300-2001. Weather: mostly clear and warm; 68-89° F. The area for this new count is 20 miles wide along the Tennessee River from Henry County south to Hardin County and includes small portions of seven counties. Four hours were spent monitoring nocturnal flight calls. Highlights included Neotropic Cormorant, American Avocet, and Black-throated Blue Warbler. Observers: Joe Hall, Andrew Lydeard, Daniel Redwine, Ruben Stoll (compiler), Victor Stoll, and Alan Troyer.

2019 Fall Bird Counts	SHLB 22-Sep	TNRV 24-Sep	PRRY 5-Oct	MONT 21-Sep	NASH 21-Sep	BLNT 21-Sep	KNOX 6-Oct	ELIZ 5-Oct	Totals
Count Dates	107	161	113	65	114	104	104	118	193
Species									
Black-bellied Whistling-Duck	74	-	-	-	-	-	-	-	74
Canada Goose	348	413	28	-	102	260	191	635	1977
Wood Duck	67	62	1	4	29	12	29	97	301
Blue-winged Teal	18	73	-	-	1	-	89	30	211
Northern Shoveler	7	4	-	-	-	-	-	-	11
Gadwall	-	4	-	-	-	-	-	-	4
Mallard	47	9	-	-	58	21	109	173	417
Northern Pintail	-	1	-	-	-	-	-	-	1
Green-winged Teal	-	-	-	-	-	-	-	3	3
Duck sp.	-	-	-	-	-	-	26	-	26
Northern Bobwhite	-	-	-	-	2	1	-	-	3
Ruffed Grouse	-	-	-	-	-	-	-	3	3
Wild Turkey	-	18	26	7	60	43	5	56	215
Pied-billed Grebe	-	9	2	-	-	-	4	7	22
Rock Pigeon	106	35	25	-	43	35	105	402	751
Eurasian Collared-Dove	-	9	1	-	2	11	-	1	24
Mourning Dove	98	79	11	17	160	192	199	153	909
Yellow-billed Cuckoo	5	11	-	1	3	-	-	1	21
Black-billed Cuckoo	-	1	1	-	-	-	-	-	2
Common Nighthawk	11	1	-	-	-	-	-	-	12
Eastern Whip-poor-will	-	1	-	-	-	-	-	-	1
Chimney Swift	87	155	2	17	155	88	67	244	815
Ruby-throated Hummingbird	64	12	2	18	25	41	4	7	173

2019 Fall Bird Counts	SHLB 22-Sep	TNRV 24-Sep	PRRY 5-Oct	MONT 21-Sep	NASH 21-Sep	BLNT 21-Sep	KNOX 6-Oct	ELIZ 5-Oct	Totals
Count Dates	107	161	113	65	114	104	104	118	193
Species									
Sora	-	1	-	-	-	-	1	-	2
American Coot	-	-	-	-	2	1	-	-	3
Black-necked Stilt	41	-	-	-	-	-	-	-	41
American Avocet	-	3	-	-	-	-	-	-	3
Black-bellied Plover	-	1	-	-	-	-	-	-	1
American Golden-Plover	-	7	-	-	-	-	-	-	7
Killdeer	188	145	68	1	21	30	34	35	522
Semipalmated Plover	2	1	-	-	-	-	-	-	3
Stilt Sandpiper	39	3	-	-	-	-	-	-	42
Baird's Sandpiper	-	2	-	-	-	-	-	-	2
Least Sandpiper	2550	41	3	-	-	-	-	-	2594
Buff-breasted Sandpiper	1	-	-	-	-	-	-	-	1
Pectoral Sandpiper	50	16	4	-	-	-	-	-	70
Semipalmated Sandpiper	35	2	-	-	-	-	-	-	37
Western Sandpiper	4	-	-	-	-	-	-	-	4
Wilson's Phalarope	1	-	-	-	-	-	-	-	1
Spotted Sandpiper	2	2	-	-	1	-	-	1	6
Solitary Sandpiper	3	-	-	-	-	1	-	-	4
Lesser Yellowlegs	25	-	-	-	-	-	-	1	26
Greater Yellowlegs	5	6	-	-	-	1	-	-	12
Laughing Gull	-	2	-	-	-	-	-	-	2
Ring-billed Gull	-	1294	-	-	2	-	-	1	1297
Herring Gull	-	23	-	-	-	-	-	-	23

2019 Fall Bird Counts	SHLB 22-Sep	TNRV 24-Sep	PRRY 5-Oct	MONT 21-Sep	NASH 21-Sep	BLNT 21-Sep	KNOX 6-Oct	ELIZ 5-Oct	Totals
Count Dates	107	161	113	65	114	104	104	118	193
Species									
Lesser Black-backed Gull	-	12	-	-	-	-	-	-	12
Caspian Tern	-	16	-	-	2	-	-	-	18
Common Tern	-	8	-	-	-	-	-	-	8
Forster's Tern	-	55	-	-	-	-	-	-	55
Common Loon	-	-	-	-	-	-	-	1	1
Neotropical Cormorant	-	1	-	-	-	-	-	-	1
Double-crested Cormorant	-	554	7	-	154	48	45	10	818
American White Pelican	-	9	130	-	-	-	-	-	139
Great Blue Heron	21	142	18	1	34	31	35	35	317
Great Egret	45	301	38	-	8	3	8	-	403
Green Heron	4	4	1	-	4	4	4	-	21
Black-crowned Night-Heron	-	-	-	-	4	-	1	-	5
Yellow-crowned Night-Heron	1	2	-	-	-	2	-	-	5
Black Vulture	16	33	30	8	266	3	59	78	493
Turkey Vulture	19	113	83	18	113	46	21	139	552
Osprey	1	8	-	-	-	2	4	7	22
Northern Harrier	-	1	-	-	1	1	1	3	7
Sharp-shinned Hawk	-	1	1	-	-	1	1	2	6
Cooper's Hawk	4	1	4	1	5	7	6	9	37
Accipiter sp.	-	-	-	-	-	-	1	-	1
Bald Eagle	-	18	4	-	2	1	5	12	42
Red-shouldered Hawk	8	10	9	2	5	14	14	5	67
Broad-winged Hawk	4	138	56	-	85	1	-	2	286

2019 Fall Bird Counts	SHLB 22-Sep	TNRV 24-Sep	PRRY 5-Oct	MONT 21-Sep	NASH 21-Sep	BLNT 21-Sep	KNOX 6-Oct	ELIZ 5-Oct	Totals
Count Dates	107	161	113	65	114	104	104	118	193
Species									
Red-tailed Hawk	11	55	6	4	15	7	13	13	124
Barn Owl	-	1	1	-	-	2	-	-	4
Eastern Screech Owl	-	10	3	-	5	2	7	10	37
Great Horned Owl	2	4	1	1	3	1	14	5	31
Barred Owl	6	13	5	3	6	-	1	2	36
Belted Kingfisher	2	14	6	2	12	17	23	24	100
Red-headed Woodpecker	17	34	9	5	3	1	3	2	74
Red-bellied Woodpecker	79	58	39	9	58	64	94	50	451
Yellow-bellied Sapsucker	-	-	4	-	-	-	4	7	15
Downy Woodpecker	31	78	41	7	45	44	42	36	324
Hairy Woodpecker	1	13	7	2	6	5	1	6	41
Northern Flicker	2	18	73	1	4	14	44	41	197
Pileated Woodpecker	19	26	20	4	17	28	9	17	140
American Kestrel	6	5	5	-	11	2	4	16	49
Merlin	-	3	1	-	1	-	-	2	7
Peregrine Falcon	-	1	-	-	-	-	-	1	2
Great Crested Flycatcher	1	-	-	1	5	-	-	-	7
Eastern Kingbird	-	4	-	-	1	5	-	-	10
Scissor-tailed Flycatcher	-	30	-	-	-	-	-	-	30
Eastern Wood-Pewee	36	88	32	10	42	27	4	12	251
Yellow-bellied Flycatcher	-	1	1	-	-	-	-	-	2
Acadian Flycatcher	28	4	3	4	5	1	-	-	45

2019 Fall Bird Counts	SHLB 22-Sep	TNRV 24-Sep	PRRY 5-Oct	MONT 21-Sep	NASH 21-Sep	BLNT 21-Sep	KNOX 6-Oct	ELIZ 5-Oct	Totals
Count Dates	107	161	113	65	114	104	104	118	193
Species									
White-breasted Nuthatch	27	64	35	6	46	54	24	28	284
Brown-headed Nuthatch	-	7	-	-	-	6	9	-	22
Brown Creeper	-	-	-	-	-	-	-	1	1
House Wren	-	7	9	-	3	5	1	-	25
Winter Wren	-	1	1	-	-	-	1	2	5
Sedge Wren	-	13	-	-	1	-	-	-	14
Marsh Wren	-	14	2	-	-	-	2	1	19
Carolina Wren	59	192	85	17	142	193	162	114	964
Blue-gray Gnatcatcher	3	18	-	1	5	4	-	-	31
Golden-crowned Kinglet	-	-	1	-	-	-	-	5	6
Ruby-crowned Kinglet	3	1	4	-	-	-	1	1	10
Eastern Bluebird	34	92	41	16	114	108	130	114	649
Veery	-	8	1	-	-	-	-	1	10
Gray-cheeked Thrush	-	79	6	-	5	1	-	6	97
Swainson's Thrush	10	107	14	6	13	19	1	37	207
Wood Thrush	10	13	20	-	7	-	4	15	69
American Robin	31	48	17	73	204	253	310	212	1148
Gray Catbird	8	42	17	-	17	44	35	23	186
Brown Thrasher	17	38	21	4	20	21	22	9	152
Northern Mockingbird	47	51	12	3	59	72	175	56	475
European Starling	357	80	12	23	283	207	1507	555	3024
Cedar Waxwing	-	49	21	-	94	15	68	70	317

2019 Fall Bird Counts	SHLB	TNRV	PRRY	MONT	NASH	BLNT	KNOX	ELIZ	Totals
Count Dates	22-Sep	24-Sep	5-Oct	21-Sep	21-Sep	21-Sep	6-Oct	5-Oct	
Species	107	161	113	65	114	104	104	118	193
House Sparrow	12	30	5	-	23	10	12	19	111
House Finch	12	19	11	13	39	46	133	36	309
Purple Finch	-	-	-	-	2	-	-	-	2
Pine Siskin	-	-	-	-	-	-	-	8	8
American Goldfinch	22	47	27	12	57	100	80	99	444
Chipping Sparrow	9	113	59	8	12	64	14	46	325
Field Sparrow	3	9	18	2	40	19	76	11	178
Dark-eyed Junco	-	-	-	-	-	-	-	73	73
Savannah Sparrow	-	3	-	-	-	-	2	2	7
Song Sparrow	3	-	2	-	2	29	64	126	226
Lincoln's Sparrow	-	9	1	-	-	-	-	-	10
Swamp Sparrow	-	-	45	-	-	-	1	4	50
Eastern Towhee	16	1	4	4	25	26	57	53	186
Sparrow sp.	-	-	-	-	-	3	-	-	3
Yellow-breasted Chat	-	4	1	1	4	1	-	-	11
Bobolink	-	4	-	-	-	-	-	-	4
Eastern Meadowlark	8	2	-	1	3	6	10	14	44
Baltimore Oriole	1	1	1	-	-	1	-	-	4
Red-winged Blackbird	7	62	27	-	17	111	188	194	606
Brown-headed Cowbird	23	1	14	-	12	5	62	11	128
Common Grackle	59	86	12	-	222	11	242	1	633
Ovenbird	-	5	-	-	4	1	1	3	14

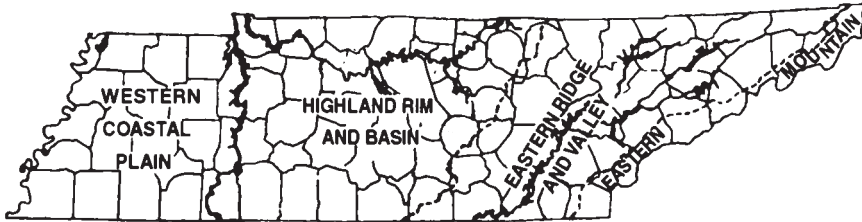
2019 Fall Bird Counts	SHLB	TNRV	PRRY	MONT	NASH	BLNT	KNOX	ELIZ	Totals
Count Dates	22-Sep	24-Sep	5-Oct	21-Sep	21-Sep	21-Sep	6-Oct	5-Oct	
Species	107	161	113	65	114	104	104	118	193
Worm-eating Warbler	-	3	-	-	-	-	-	-	3
Northern Waterthrush	-	3	1	-	-	5	1	3	13
Golden-winged Warbler	3	7	2	-	-	-	-	-	12
Blue-winged Warbler	-	4	-	-	-	-	-	-	4
Black-and-white Warbler	2	30	5	1	3	1	7	4	53
Prothonotary Warbler	1	-	-	-	-	-	-	-	1
Swainson's Warbler	4	-	-	-	-	-	-	-	4
Tennessee Warbler	25	35	46	1	4	4	12	51	178
Orange-crowned Warbler	-	-	2	-	-	-	-	-	2
Nashville Warbler	3	1	7	-	1	-	-	-	12
Mourning Warbler	-	-	-	-	1	-	-	-	1
Kentucky Warbler	1	1	-	-	-	-	-	1	3
Common Yellowthroat	4	58	16	6	18	20	23	6	151
Hooded Warbler	4	6	-	-	-	5	5	3	23
American Redstart	18	69	14	2	28	7	19	7	164
Cape May Warbler	-	-	-	-	-	1	3	1	5
Cerulean Warbler	-	1	-	-	-	-	-	-	1
Northern Parula	39	141	9	2	9	3	4	4	211
Magnolia Warbler	6	88	30	5	42	20	27	6	224
Bay-breasted Warbler	-	6	15	-	2	-	5	36	64
Blackburnian Warbler	-	4	2	-	2	1	6	4	19
Yellow Warbler	-	12	-	-	1	-	-	-	13
Chestnut-sided Warbler	6	37	8	-	4	-	3	4	62

2019 Fall Bird Counts	SHLB	TNRV	PRRY	MONT	NASH	BLNT	KNOX	ELIZ	Totals
Count Dates	22-Sep	24-Sep	5-Oct	21-Sep	21-Sep	21-Sep	6-Oct	5-Oct	
Species	107	161	113	65	114	104	104	118	193
Blackpoll Warbler	-	1	-	-	-	-	-	4	5
Black-throated Blue Warbler	-	1	-	-	-	1	-	8	10
Palm Warbler	-	5	7	-	1	11	29	56	109
Pine Warbler	-	46	7	1	1	18	5	3	81
Yellow-rumped Warbler	-	-	68	-	1	-	6	4	79
Yellow-throated Warbler	1	16	-	-	1	2	1	2	23
Prairie Warbler	-	5	1	2	-	1	-	-	9
Black-throated Green Warbler	4	17	38	-	5	-	8	7	79
Canada Warbler	-	1	-	1	2	-	-	-	4
Wilson's Warbler	-	5	1	-	-	-	-	-	6
Warbler sp.	-	50	-	-	-	-	1	-	51
Summer Tanager	22	97	13	8	30	1	-	-	171
Scarlet Tanager	-	46	5	-	9	11	1	5	77
Northern Cardinal	76	100	33	37	165	142	219	120	892
Rose-breasted Grosbeak	2	65	127	1	3	4	6	67	275
Blue Grosbeak	-	4	-	3	4	-	1	1	13
Indigo Bunting	34	204	143	34	31	47	32	27	552
Dickcissel	-	4	-	2	-	-	-	-	6
Total individuals	5652	8298	2570	542	4168	3645	6184	6037	37096
Total species	107	161	113	65	114	104	102	118	193
Observers	24	6	4	2	32	24	30	29	151
Parties	9	6	2	1	9	17	22	8	74
Party hours	25	58	25	6.5	45.25	84.76	72.88	73	390.39

2019 Fall Bird Counts Count Dates Species	SHLB 22-Sep 107	TNRV 24-Sep 161	PRRY 5-Oct 113	MONT 21-Sep 65	NASH 21-Sep 114	BLNT 21-Sep 104	KNOX 6-Oct 104	ELIZ 5-Oct 118	Totals 193
Hours by car	6.5	20	11	2.5	13.75	18.54	10.21	-	82.5
Hours by foot	18.5	33	14	4	31.5	64.22	61.67	-	226.89
Hours by boat or other	-	5	-	-	-	2	1	-	8
Miles by car	28.5	176	45	48	209	267.04	133.03	-	906.57
Miles by foot	10.75	18	5	2.5	30.8	38.34	53.38	-	158.77
Miles by canoe or other	-	11	-	-	-	2	0.5	-	13.5
Hours owling	1	5	3	1.13	3.25	4.17	1.75	10	29.3
Miles owling	0.75	32	-	-	10	1.5	1.2	-	45.45
Feeder/yard watch observers	-	1	-	2	-	7	-	-	10
Feeder/yard watch hours	-	4	-	2.5	-	4	7.05	-	17.55

THE SUMMER SEASON

Richard L. Knight, Editor



1 June - 31 July 2019

In early July a minimal hurricane named Barry formed off the Florida panhandle and churned along the northern Gulf Coast. Remnants of Barry slowly moved inland through Louisiana and up the Mississippi River valley bringing rain to western Tennessee during 13-16 July. Expectations for storm waifs from this tropical system were not very high due to its weakness, short track, and slow pace. Despite that, a fallout of coastal waterbirds, including Royal Tern, Sandwich Tern, Black Skimmer, and Magnificent Frigatebird, occurred at Pickwick Lake. The Sandwich Terns represent the first for Tennessee, pending acceptance. Additionally, a Great Shearwater was seen on the Mississippi River. An American Flamingo in Lake County may have been steered our way by this system, as well. This was an unexpected first record for the state, pending acceptance, and joins very few inland records in North America. A Cave Swallow in Henry County a few days later might have been associated with this weather system, too.

Efforts were rewarded for those birders who ventured out into the summer heat, as seen by the examples noted above and below. Common Gallinules were seen in Shelby County and the Reelfoot Lake area, plus a pair in East Tennessee at Phipps Bend. Summering American White Pelicans now appear regularly in the two western regions. Increasing numbers of Mississippi Kites have been found in Middle Tennessee in recent years. Peregrine Falcons nested again at two mountain sites. Bell's Vireos were reported in Shelby, Dyer, and Perry counties, and at Fort Campbell. Red Crossbills in the Smokies and at Roan Mountain are expected, if somewhat irregular, but one at Fort Campbell was surprising at this time of year. Other interesting observations appear in the summaries that follow.

STANDARD ABBREVIATIONS

ad - adult	max - maximum count
Co - County	m.ob. - many observers
Cr - Creek	Mtn - Mountain
ers - earliest reported sighting	NWR - National Wildlife Refuge
et al. - and others	R - River
fide - reported by	SP - State Park
im - immature	WMA - Wildlife Management Area
L - Lake	yg - young
lrs - latest reported sighting	

WESTERN COASTAL PLAIN REGION - - Bucking the trend from around much of the globe, cooler temperatures prevailed across the region, but precipitation was well above historic norms. June was 2 degrees below normal, and July was lower by a little over 1 degree. Rainfall in June was a whopping 6 inches above normal, and July followed with more than 3 inches above normal.

The usually dull summer season was enlivened by several excellent finds. An American Flamingo in Lake County will furnish a first state record, if accepted by the Tennessee Bird Records Committee (TBRC). While the identification is not in doubt, there may be a question about provenance. A Great Shearwater, seen over the Mississippi River in Shelby County, will be only the second state record if accepted by the TBRC. A Cave Swallow in Henry County was a nice pickup. A pair of Bell's Vireos, nicely photographed in Shelby County, may provide the first documented nesting of the species in the county in more than 75 years.

Thanks to everyone who submitted observations, especially those with photographs.

Waterfowl - Shorebirds: **Black-bellied Whistling-Duck:** 1 Jun (2) Newbern, Dyer Co (MAG); 24 Jun / 14 Jul (2 / 1; flying over) Paris, Henry Co (Robert Wheat). **Fulvous Whistling-Duck:** 4 Jul into Aug (1) Ensley (RH, Hal Mitchell, m.ob.), continuing from May. **Northern Pintail:** 14 Jul (2) Dyer Co (SA, JH, photo). **Greater Scaup:** 15 Jul (1 male) Mud L, Lake Co (MAG, RS). **Lesser Scaup:** 15 Jul (1 male) Mud L, Lake Co (MAG, RS). **AMERICAN FLAMINGO:** 13 Jul (1) Hwy 79 (RS, VS, AT, m.ob., photos), 1st state record. **Common Gallinule:** 17 Jun (1) Walnut Log, Obion Co (AL, DR); 27 Jun (1) Ensley (DJS); 6 Jul (1) Burnt Woods, Reelfoot WMA, Lake Co (Daniel Estabrooks). **American Avocet:** 26 Jul (2) Eagle L, Shelby Co (Jim Varner, Cliff VanNostrand). **Stilt Sandpiper:** 15 Jul (3) Robinson Bayou (MAG), ers. **White-rumped Sandpiper:** 19 Jul (1 ad) Robinson Bayou (MCT). **Western Sandpiper:** 13 Jul (1) Hwy 79 (MCT et al.), ers. **Short-billed Dowitcher:** 15-19 Jul (1-10) Robinson Bayou (MAG, AT), ers. **Wilson's Phalarope:** 17 Jul (3) Robinson Bayou (AT); 26 Jul (4) Ensley (Bob Foehring). **Spotted Sandpiper:** 27 Jun (1) Ensley (DJS), ers. **Willet:** 17 Jul (1) Robinson Bayou (AT).

Gull - Falcon: **Laughing Gull:** 15 Jun (1) Gibson Co L (Steve Yarbrough, photo). **Ring-billed Gull:** 11 Jun - 21 Jul (6-8) Hwy 79 (DR, MCT, m.ob.); 2 Jul (5) Fritz Landing, Lake Co (DR); 31 Jul (55) Paris Landing SP, Henry Co (RS). **Least Tern:** 5 / 19 Jun (2 / 1) Gibson Co L (MAG); 27 Jun (72, with 32 active nests) Ensley (DJS); 17 Jul (1) Kentucky L, Benton Co (RS). **Caspian Tern:** 5 / 19 Jun (2 / 1) Gibson Co L (MAG). **Black Tern:** 27 Jun (1) Robinson Bayou (MAG); 17 Jul (1) Mud Island, Shelby Co (AT); 17 Jul (2) Ensley (AT); 17 Jul (7) Robinson Bayou (AT); 29 Jul (2) Gibson Co L (MAG). **Common Tern:** 29 Jul (2) Gibson Co L (MAG). **GREAT SHEARWATER:** 17 Jul (1) Mud Island, Shelby Co (AT), 2nd state record. **Anhinga:** 6 Jul (1) Burnt Woods, Reelfoot WMA, Lake Co (Daniel Estabrooks). **American White Pelican:** 7 Jun (14) Tiptonville Slough, Lake Co (MAG); 7 / 11 Jun (61 / 85) Robinson Bayou (MAG / DR); 24 Jun (16 / 1) Gibson Co L (Leo Payne / MAG); 2 Jul (11) Fritz Landing, Lake Co (DR); 14-17 Jul (50-68) Hwy 88 bottoms, Lauderdale Co (AL, AT); good numbers of summering birds. **Least Bittern:** 7 Jun (1) Walnut Log, Obion Co

(MAG); 20 Jul (1) Robbins-Halle Nature Preserve, Shelby Co (Cliff VanNostrand). **Roseate Spoonbill:** 14 Jul (1 im) Moss Island WMA, Dyer Co (MCT, photo), later on first day moved to Hwy 88 bottoms, Lauderdale Co where it stayed thru 17 Jul (RS, VS et al.). **Mississippi Kite:** 17 / 31 Jul (14 / 28) Camden WMA, Benton Co (RS). **Peregrine Falcon:** 31 Jul (1 ad) Paris Landing SP, Henry Co (RS).

Flycatcher - Bunting: **Western Kingbird:** 1 Jun - 4 Jul (4-11) President's Island, Shelby Co (DR, Hal Mitchell, m.ob.); thru season (1-2) Ensley (Jim Varner, m.ob.). **Scissor-tailed Flycatcher:** 2 Jun (1) Ensley (Virginia Reynolds); 23 Jul (1) Chic Rd, Dyer Co (DR). **Willow Flycatcher:** 11 Jul (1) Thorny Cypress WMA, Dyer Co (SW). **Bell's Vireo:** from May thru 14 Jul (max 3 pairs on 17 Jun) Thorny Cypress WMA, Dyer Co (DR, AL, m.ob.); 4-26 Jul (1-2) Shelby Farms (fide DDP, Martha Waldron). **Fish Crow:** 4 Jul (5) Paris, Henry Co (Robert Wheat). **CAVE SWALLOW:** 22 Jul (1) Britton Ford, Henry Co (RS, VS, photo), 6th state record. **Lark Sparrow:** thru Jun (1-2 at several sites) Gibson Co (MAG); 5 Jul (2) Crockett Co (AT); 6 Jul (1) Shelby Farms (fide DDP). **Dark-eyed Junco:** 30 Jun (1 ad female) Shelby Farms (Norman Soskel, Judith Barrie, photo). **Painted Bunting:** thru season (1-2) Ensley (DR, AT, Bob Foehring); 4 Jul (2) President's Island, Shelby Co (Maureen Ellis).

Locations: Ensley - Shelby Co; Hwy 79 - Lake Co; Robinson Bayou - Lake Co; Shelby Farms - Shelby Co.

DICK D. PRESTON, Munford, TN dickpreston@rittermail.com

HIGHLAND RIM AND BASIN REGION - - Summer weather was warmer and wetter than normal in Middle Tennessee. Temperatures were 1.3 degrees above normal in June and 2.0 degrees above normal in July. Precipitation was above normal by 4.3 inches in June and by 1.7 inches in July. Remnants of a slow moving hurricane in the Gulf of Mexico brought some terns and other seabirds to the area. A Wood Stork and some White Ibises were also found this season. Mississippi Kites continue to increase in the region. A Red Crossbill was seen at Fort Campbell.

Goose - Coot: **Snow Goose:** 16 Jun (1) Rutherford Co (Hugh Barger). **Ross's Goose:** 9-25 Jul (1) Cane Cr Park, Putnam Co (Michele Ramsey, photo). **Blue-winged Teal:** 18 Jul (2) Barkley WMA (JH). **Green-winged Teal:** 17 Jun (1 male) Hillsboro Pond, Coffee Co (RSh, DSh). **Ring-necked Duck:** 6-7 Jun / 19 Jul (1 male) Cross Cr NWR (Stanley York, JH); 28 Jul (1) Barkley WMA (JH). **Hooded Merganser:** 15 Jun (8) Duck R Unit (RS, AT). **Ruddy Duck:** 17 Jun (1 male) Hillsboro Pond, Coffee Co (RSh, DSh); 27-28 Jul (1) Duck R Unit (RS, VS). **Northern Bobwhite:** 28 Jun (24) Fort Campbell, Stewart Co (DMo), max. **Pied-billed Grebe:** 1 Jun (2) Percy Priest L, Davidson Co (GG); 7-12 Jun (1) Old Hickory L (GG, m.ob.). **American Coot:** 6 Jun (11, including 2 broods of yg) Centennial Park, Davidson Co (GG); 7 Jun - 23 Jul (2-4) Old Hickory L (GG, m.ob.); 22 Jul (4) Barkley WMA (RS, VS).

Stilt - Skimmer: **Black-necked Stilt**: 20 Jul (1) Barkley WMA (SA, JH). **American Avocet**: 17 Jul (5) Pickwick L (RS, VS); 22 Jul (13) Barkley WMA (DR, AL). **Stilt Sandpiper**: 22 Jul (1) Barkley WMA (RS, VS), ers; 27 Jul (10) Duck R Unit (RS, VS). **White-rumped Sandpiper**: 7 Jun (1) Cross Cr NWR (JH), lrs. **Pectoral Sandpiper**: 7 Jul (1) Duck R Unit (AT), ers. **Western Sandpiper**: 22 Jul (1) Barkley WMA (RS, VS), ers. **Semipalmated Sandpiper**: 15 Jun (1) Duck R Unit (RS, AT), lrs; 17 Jul (14) Old Hickory L (GG), ers. **Short-billed Dowitcher**: 7 Jul (1) Duck R Unit (AT); 18 Jul (1) Cross Cr NWR (AL); 22-27 Jul (1) Barkley WMA (RS, VS, m.ob.). **Greater Yellowlegs**: 15 Jun (1) Duck R Unit (RS, AT). **Laughing Gull**: 16 Jul (2 ad) Bruton Branch, Pickwick L (RS, VS, AT). **Ring-billed Gull**: 7 Jun into Aug (1, plus 2nd bird on 16 Jul only) Old Hickory L (GG, m.ob.); 16 Jul (1) Bruton Branch, Pickwick L (RS, VS, AT); 27 Jul (1) Duck R Unit (RS, VS). **Herring Gull**: 16 Jul (1) Bruton Branch, Pickwick L (RS, VS, AT). **Lesser Black-backed Gull**: 16 Jul (1 im) Pickwick L (RS, VS, AT), 1st summer record in state. **Least Tern**: 15 Jul (1) Old Hickory L (PDC, FF, GG). **Caspian Tern**: 3 Jun (1) Couchville L, Davidson Co (GG); 14 / 24 Jun (1) Duck R Unit (refuge staff / AT); 16 Jul (2) Bruton Branch, Pickwick L (RS, VS, AT); 22 Jul (2) Barkley WMA (RS, VS); 22 Jul (3) Cross Cr NWR (DR, AL); 28 Jul (3) Duck R Unit (RS, VS, AT). **Black Tern**: 16 Jul (6) Fowler Rd, Lincoln Co (DJS); 28 Jul (13) Duck R Unit (RS, VS, AT). **Common Tern**: 15 Jul (1) Old Hickory L (GG, FF, PDC). **Forster's Tern**: 7 Jul (3) Fowler Rd, Lincoln Co (Dan Snell); 15 Jul (2) Old Hickory L (PDC, GG, FF); 16 Jul (3) Bruton Branch, Pickwick L (RS, VS, AT). **ROYAL TERN**: 16 Jul (1) Bruton Branch, Pickwick L (RS, VS, AT), 7th state record. **SANDWICH TERN**: 16 Jul (1-3) Bruton Branch, Pickwick L (RS, VS, AT, m.ob., photo), 1st state record. **BLACK SKIMMER**: 16 Jul (1) Bruton Branch, Pickwick L (RS, VS, AT, m.ob.), 6th state record.

Stork - Falcon: **Wood Stork**: 6-7 Jul (1) Duck R Unit (AT, DR, m.ob.). **MAGNIFICENT FRIGATEBIRD**: 16-17 Jul (1) Bruton Branch, Pickwick L (RS, VS, AT, m.ob., photo), 5th state record. **Neotropic Cormorant**: 29 Jun / 12 Jul (1) Duck R Unit (AT / DR, AL); 20-25 Jul (1) Cross Cr NWR (SA, JH). **Anhinga**: from May thru 15 Jul (1-4) Duck R Unit (DR, AT, GG, m.ob.). **American White Pelican**: 24 Jun (30, flying over) Nolensville, Williamson Co (Hugh Barger); 29 Jun (2) Percy Priest Field Trial Area, Rutherford Co (Kristy Baker); 7 / 27 Jul (52 / 60) Duck R Unit (GG / RS, VS); 14-17 Jul (2) Pickwick Dam (Randy Schultz, m.ob.); 19 Jul (40) Barkley WMA (JH). **Least Bittern**: 27 Jun (1) Duck R Unit (AL, DR). **Snowy Egret**: 15-23 Jul (1-2) Fall Cr, Wilson Co (Justin Nation). **Little Blue Heron**: 28 Jun (1) Fort Campbell, Stewart Co (DMo); 29 Jun (7) Warren Co (Susan McWhirter); 17 Jul (4) Davidson Co (GG); 19-28 Jul (1) Fall Cr, Wilson Co (Justin Nation). **White Ibis**: 29 Jun - 25 Jul (2-6 im) Duck R Unit (AT, DR, AL); 19-30 Jul (1 im) Barkley WMA (JH). **Mississippi Kite**: 6 Jun / 4 Jul (1) Clarksville, Montgomery Co (Steve Routledge, Cyndi Routledge); 15 Jun - 7 Jul (2-3) Duck R Unit (RS, AT); 29 Jun (2) New Johnsonville, Humphreys Co (AT); 30 Jun / 22 Jul (1) Barkley WMA (JH / RS, VS); 16 Jul (1) Bruton Branch, Pickwick L (RS, VS, AT); 18 / 23 Jul (1) Sumner Co (RS, VS); 29 Jul (2) Dickson Co (RS). **Barn Owl**: 31 Jul (1) Fort Campbell (DMo). **Peregrine Falcon**: 24 Jun (1) Duck R Unit (AT).

Flycatcher - Warbler: **Scissor-tailed Flycatcher**: 1 Jun (2) Hwy 141, Lebanon, Wilson Co

(GG, Chris Agee); 8 Jun / 6 Jul (4, nest / 5) Lytle Cr Rd, Rutherford Co (AL / FF); 23 Jul (1 ad, 3 yg) Pickwick Dam (Randy Schultz); 16 Jul (2) Clifton, Wayne Co (RS); 25 Jul (3) Wartrace, Bedford Co (MTT). **Least Flycatcher:** 28 Jul (1) Perry Co (AT), early migrant. **Bell's Vireo:** 28 Jun / 3 Jul (2 / 1) Fort Campbell, Stewart Co (DMo); 24 Jul (1) Perry Co (RS), 1st Co record; 31 Jul (3) Fort Campbell (DMo). **Fish Crow:** 7-28 Jul (1-8) Duck R Unit (AT, RS, VS); 18 Jul (3) Barkley WMA (AL). **Sedge Wren:** 31 Jul (2) Fort Campbell (DMo), ers. **Red Crossbill:** 6 / 25 Jun (1) Fort Campbell, Stewart Co (DMo). **Lark Sparrow:** 14 Jun (2) Hwy 108, Warren / Coffee Co line (Susan McWhirter); 17 Jun (2) Fountain Grove Rd, Coffee Co (RSh, DSh); 1 Jul (1) Wilson Co (Stephen Zipperer); 6 Jul (1) Lytle Cr Rd, Rutherford Co (FF). **Henslow's Sparrow:** 4 Jun - 3 Jul (1-5) Fort Campbell, Stewart Co (DMo); 5 Jun (1) Shelton Ferry WMA, Montgomery Co (SW); 12 Jun / 31 Jul (2 / 4) Fort Campbell (DMo). **Blue-winged Warbler:** 10-13 Jun (1) Fort Campbell (DMo); 12 Jun (1) Bedford Co (MTT). **Cerulean Warbler:** 12 Jun (1) Port Royal SP, Montgomery Co (Cyndi Routledge, Steve Routledge); 15 Jun (2) Bedford Co (MTT). **Yellow Warbler:** 5 Jun (3) Shelton Ferry WMA, Montgomery Co (SW).

Locations: Barkley WMA - Stewart Co; Cross Cr NWR - Stewart Co; Duck R Unit - unit of Tennessee NWR, Humphreys Co; Fort Campbell - Montgomery Co (unless specified otherwise); Old Hickory L - Davidson Co; Pickwick L - Hardin Co.

STEPHEN C. ZIPPERER, Murfreesboro, TN stczipperer@gmail.com

CUMBERLAND PLATEAU/RIDGE and VALLEY REGION - - Temperatures were near normal to slightly above normal for the summer. Rainfall in the Tri-cities area during June was 4 inches above normal, but was slightly below normal in July.

Several summering ducks were found, including reports of Hooded Merganser that suggested local breeding. Shorebirds were highlighted by three reports of American Avocet and a Willet. Two separate summering Common Loons were unusual. An American Bittern at Kyker Bottoms in mid-June may have been lingering from spring. Little Blue Herons were reported from 10 counties and in good numbers, including a breeding record from Watts Bar Lake. Scissor-tailed Flycatchers returned to two known nest sites. Range expansion of Fish Crows and Common Ravens continued. Bank Swallows were seen near a traditional nest site in Knox County. A Lark Sparrow in southeast Tennessee in late July may have been a migrant or post-breeding disperser.

Duck - Coot: **Blue-winged Teal:** 12 Jun / 6 Jul (1 male) Lakeshore Park, Roane Co / Gupton Wetland (RoK). **Gadwall:** 1-30 Jun / 27 Jul (pair / 1) Gupton Wetland (RoK). **Redhead:** 1 Jun into Aug (1 female) Gupton Wetland (RoK). **Ring-necked Duck:** 2-30 Jun (1) Heritage Center Greenway (RoK). **Hooded Merganser:** 6 Jun (1 female) Brainerd Levee (BD); 6 Jun (2 im) Doak's Pond, Campbell Co (NeM); 12 Jun (2 im) Lakeshore Park, Roane Co (RoK); 14 Jun (2 females) White's Cr, Roane Co (RoK); 16 Jun (1 female) Gupton Wetland (RoK); 27 Jun (1 female) Rankin Bottoms, Cocke Co (Ron Shrieves, photo). **Common Merganser:**

11 Jul (2 females) Cove Lake SP (NeM); 14 Jul (1 female) Cove Cr, Campbell Co (Beth Schilling), possibly one of previous birds. **Ruddy Duck**: 11 Jun / 11-30 Jul (1 female) Eagle Bend (Ron Shrieves, photo / NeM, m.ob.). **Pied-billed Grebe**: 8 Jun / 3 Jul (1) Lenoir City Park, Loudon Co (Colin Sumrall); 20 Jun (1) Nickajack L, Marion Co (RSh, DSh). **Common Gallinule**: from May thru 10 Jun (2) Phipps Bend, Hawkins Co (SHu et al.), see fall report for breeding confirmation. **American Coot**: 1 Jun (1) John Sevier L (SHu); 8 Jun - 14 Jul (1) Gupton Wetland (RoK).

Shorebirds - Tern: **American Avocet**: 7 Jul (4) John Sevier L (SHu); 17 Jul (5) Cove Lake SP (NeM); 23 Jul (1) Claiborne Co (Colleen Warren fide NeM). **Semipalmated Plover**: 1 Jun (2) Alcoa (VW); 2 Jun (2) Brainerd Levee (BD); lrs. **Least Sandpiper**: 1 Jun (4) Alcoa (VW); 6 Jun (1) Brainerd Levee (BD), lrs; 8 Jul (2) Brainerd Levee (BD), ers. **White-rumped Sandpiper**: 2-3 Jun (1) Brainerd Levee (BD, m.ob.), lrs. **Semipalmated Sandpiper**: 1 Jun (1) Alcoa (VW); 2 Jun (12) Brainerd Levee (BD); lrs. **Short-billed Dowitcher**: 12-15 Jul (1) Brainerd Levee (BD, m.ob.); 13 Jul (2) Alcoa (VW, photo, m.ob.). **dowitcher sp.**: 17 Jul (1) Cove Lake SP (NeM). **Spotted Sandpiper**: 2 / 7 Jun (1) Brainerd Levee (BD); 10 Jun (2) Eagle Bend (NeM). **Lesser Yellowlegs**: 10 Jul (1) Brainerd Levee (BD), ers. **Willet**: 17 Jul (1) Alcoa (VW, m.ob.). **Black Tern**: 23 Jul (1) John Sevier L (SHu). **Forster's Tern**: 15 Jun (5) Watts Bar L, Meigs Co portion (RSh, DSh); 14 Jul (1) Cherokee L, Grainger Co portion (SHu); 23 Jul (2) Cove Lake SP (NeM); 23 Jul (3) John Sevier L (SHu).

Loon - Ibis: **Common Loon**: 2 / 29 Jun (1) Watts Bar L, Meigs Co portion (RSh, DSh / Rick Houlk); 19 Jun into Sep (1) Huntsville Reservoir, Scott Co (Betty Dunn). **American Bittern**: 21 Jun (1) Kyker Bottoms (RW, photo). **Least Bittern**: thru 7 Jul (1) Heritage Center Greenway (RoK, m.ob.); 2 Jul (1) Kyker Bottoms (RW). **Great Egret**: 11 Jul (46) Brainerd Levee (BD), max. **Snowy Egret**: 16-18 Jul (1) Brainerd Levee (BD). **Little Blue Heron**: 15 Jun (5 ad, 2 yg in nest) and 7 Jul (1 ad, 4 yg) Barker Island, Watts Bar L, Rhea Co (RSh, DSh); 21 Jun / 6 Jul (1 im / 3 im) Kyker Bottoms (RW / Doug Raybuck); 26-27 Jun (1 im) VW Wetland, Hamilton Co (Michael Yablick); 6-27 Jul (1-3 im) Gupton Wetland (RoK); 6-29 Jul (1-12 im) Brainerd Levee (BD); 10 Jul (2 im) Kingsport (Rack Cross); 14 Jul (1 im) Cherokee L, Grainger Co (SHu); 14-17 Jul (1 im) Cove Lake SP (NeM); 16 Jul (1 im) Eagle Bend (Laura Tappan, Bill Keeler); 17 Jul (1 im) Standifer Gap Marsh, Hamilton Co (Kent DuBois); 19-23 Jul (1-2 im) South Chestuee Cr, Bradley Co (Rick Houlk); 20 Jul (1 im) John Sevier L (SHu). **Cattle Egret**: 29 Jul (1) John Sevier L (SHu), rare east of Knoxville. **White Ibis**: 9 Jul (1 im) Brainerd Levee (BD).

Flycatcher - Dickcissel: **Scissor-tailed Flycatcher**: 4 / 17 Jun (1 / 1 on nest) Dunbar Rd, Cumberland Co (RSh, DSh / Ed LeGrand); 22 / 29 Jun (nest with yg / 5 fledged yg) Ninemile Crossroad, Bledsoe Co (RSh, DSh). **Willow Flycatcher**: 4-6 Jun (1) Brainerd Levee (BD); 6-21 Jun (2) Heritage Center Greenway (RoK); 19 Jun (1) Huntsville Reservoir, Scott Co (Betty Dunn); 21 Jun (2) Kyker Bottoms (RW); 30 Jun (1) John Sevier L (SHu). **Loggerhead Shrike**: 4 Jul (1 ad, 2 yg) Roane Co (RoK). **Fish Crow**: thru season (1-4) Johnson City and Kingsport (m.ob.); 31 Jul (4) Patriot Park, Pigeon Forge, Sevier Co (James Flynn). **Common Raven**: 11 Jun (1) Hancock Co (SHu); 24 Jun (1) Johnson City (Gary Bailey);

27 Jun (2) Norris, Anderson Co (Charles Nicholson); 29 Jun (1) Phipps Bend, Hawkins Co (SHu et al.); 5 Jul (1) Boone Dam, Sullivan Co (Cade Campbell). **Horned Lark:** 18 Jun (1) Scott Co (Betty Dunn). **Bank Swallow:** 8 / 15 Jun (11-14) near Mascot, Knox Co (Beth Schilling / Colin Sumrall), known nesting locale. **Red-breasted Nuthatch:** 9 Jul (1) Point Park, Lookout Mtn, Hamilton Co (BD). **Lark Sparrow:** 25 Jul (1) Old Mount Harmon Rd, Bradley / Polk Co line (RSh, DSh, photo). **Henslow's Sparrow:** 6 Jun (2) Bridgestone / Firestone Centennial Wilderness WMA, White Co (Ed LeGrand, Harry LeGrand). **Golden-winged Warbler:** 6 Jul (1) Scott Co (Betty Dunn). **Cerulean Warbler:** 22 Jul (2) Lookout Mtn, Hamilton Co (BD), migrants. **Yellow-throated Warbler:** 28 Jul (ad feeding im Brown-headed Cowbird) Warrior's Path SP, Sullivan Co (BFi, SQ), seldom reported as a cowbird host in Tennessee. **Rose-breasted Grosbeak:** 3 Jun (1) Cross Mtn, Campbell Co (Bates Estabrooks). **Dickcissel:** reports from Bledsoe, Blount, Greene, Grundy, Marion, Polk, Rhea, Roane, and Washington Cos.

Locations: Alcoa - Blount Co; Brainerd Levee - Hamilton Co; Cove Lake SP - Campbell Co; Eagle Bend - fish hatchery in Anderson Co; Gupton Wetland - Roane Co; Heritage Center Greenway - Roane Co; John Sevier L - Hawkins Co; Kyker Bottoms - Blount Co.

RICHARD L. KNIGHT, Johnson City, TN rknight8@earthlink.net

EASTERN MOUNTAIN REGION - - Temperatures were near normal for June, but were 2 degrees above normal in July. Precipitation was nearly 4 inches above normal in June and about 1 inch below normal in July.

A new nest site for Osprey was found at South Holston Lake as the breeding population in northeast Tennessee grows. Breeding activity for Peregrine Falcons continued in the Great Smoky Mountains National Park and in Carter County. Fish Crows continued their expansion with one found in Carter County. A Dickcissel in Shady Valley was the first there.

Duck - Falcon: **Hooded Merganser:** 3 Jun (1 im) Watauga R, Carter Co (RRK). **Northern Bobwhite:** only consistent reports were from Cades Cove in GSMNP (max 2). **Horned Grebe:** 11 Jun (2) Watauga L, Carter Co (RRK et al.). **Mourning Dove:** 4 Jun thru season (1-2) Carver's Gap on Roan Mtn (RLK et al.). **American Woodcock:** 8 Jun (1) Carver's Gap on Roan Mtn (RLK); 11 Jun (1) Clingman's Dome, North Carolina side, GSMNP (KW). **Forster's Tern:** 23 Jul (1) South Holston L, Sullivan Co (RRK, JDA et al.). **Great Egret:** 22 Jun (8) Elizabethton, Carter Co (Harry H. Farthing). **Osprey:** 28 Jun thru season (pair with nest on communication tower) South Holston L, Sullivan Co (RLK, m.ob.), 1st nest on this lake; 20 Jul (3) upper Chilhowee L, Monroe Co (VW). **Yellow-bellied Sapsucker:** 8 Jun (pair with 1 yg) Ripshin Lake, Carter Co (Tom McNeil, Rob Biller); 15 Jun (4) Unicoi Co (m.ob.); 25 Jul (1) Roan Mtn SP (Cade Campbell). **Peregrine Falcon:** 11 Jun (pair with 2 fledged yg) Alum Cave Bluff, GSMNP (KW, Kathleen Wynegar), male seen bringing prey to yg; 13 Jun (pair with 1 fledged yg) Doe R Gorge, Carter Co (Pete Range); continued nesting at both sites.

Flycatcher - Dickcissel: **Alder Flycatcher**: thru season (1-7) Roan Mtn (RLK, m.ob.). **Fish Crow**: 8 Jun (1) Wilbur L, Carter Co (Debi Campbell), 1st Co record; 28 Jun (2) Cades Cove, GSMNP (VW). **Hermit Thrush**: thru season (1-4 singing males) Roan Mtn (RLK et al.), with a pair and one fledged yg seen 24 Jul (Will Johnson); 15 Jun (3) Unaka Mtn, Unicoi Co (RRK, Jerry Bevins). **Brown Thrasher**: 15 Jul (1) Carver's Gap on Roan Mtn (RLK). **Vesper Sparrow**: 17 Jun (1) Round Bald on Roan Mtn (RRK, JDA et al.). **Savannah Sparrow**: 14 Jun / 1 Jul (1) Shady Valley, Johnson Co (Cade Campbell). **House Finch**: 8 Jun (1, at feeder) Roan Mtn, at 4450 ft (RLK), unusual at high elevation. **Purple Finch**: thru mid Jun (2, at feeders) near Milligan College, Carter Co (Fred Alsop), both birds with conjunctivitis. **Red Crossbill**: 3 Jun thru season (1-3) Roan Mtn (Bfi, SQ, m.ob.); 3-4 Jun (1-7) Indian Gap, GSMNP (DR, RH); 13 Jul (5) Alum Cave trail, GSMNP (Michelle Hamner); 19 Jul (3) Cades Cove, GSMNP (VW). **Pine Siskin**: 3 Jun thru 9 Jul (2) Carver's Gap on Roan Mtn (Bfi, SQ, RRK et al.); thru season (2, at feeders) Roan Mtn, at 4450 ft (RLK, m.ob.); 4 Jun (2) Indian Gap, GSMNP (RH). **Golden-winged Warbler**: 5 Jun (1) Conasauga R, Polk Co (Jake Bones, Ryan Headrick). **Magnolia Warbler**: 8 Jun (6 singing males) Roan Mtn (RLK, JDA), max there; 15 Jun (1) Unaka Mtn, Unicoi Co (RRK et al.). **Yellow-rumped Warbler**: 8 Jun (1 male) Roan Mtn (RLK, JDA); 11 Jun (1 singing male) Alum Cave Bluff, GSMNP (KW, Kathleen Wynegar), new summer site; 16 Jun (1) Clingman's Dome, GSMNP (Steve Patterson). **Dickcissel**: 1 Jul (1) Shady Valley, Johnson Co (Cade Campbell), 1st valley record.

Locations: GSMNP - Great Smoky Mtns National Park; Roan Mtn - Carter Co.

RICHARD P. LEWIS, Bristol, TN mountainbirds@gmail.com

OBSERVERS

JDA - Jim D. Anderson
 SA - Sharon Arnold
 PDC - Phillip D. Casteel
 BD - Bruce Dralle
 FF - Frank Fekel
 BFi - Bambi Fincher
 GG - Graham Gerdeman
 MAG - Mark A. Greene
 JH - Joe Hall
 RH - Rob Harbin
 SHu - Susan Hubley
 RLK - Richard L. Knight
 RRK - Roy R. Knispel
 RoK - Roger Kroodasma
 AL - Andrew Lydeard
 NeM - Nell Moore

DMo - Daniel Moss
 DDP - Dick D. Preston
 SQ - Sherrie Quillen
 DR - Daniel Redwine
 DSh - Debbi Shannon
 RSh - Roi Shannon
 DJS - Damien J. Simbeck
 RS - Ruben Stoll
 VS - Victor Stoll
 MCT - Michael C. Todd
 AT - Alan Troyer
 MTT - Melissa T. Turrentine
 KW - Keith Watson
 VW - Valerie Wininger
 RW - Randy Winstead
 SW - Stefan Woltmann

INDEX

- A**
Accipiter sp. 18, 58, 119
Anhinga 29, 95, 97, 99, 100, 128, 130
Avocet, American 28, 31, 35, 100, 102, 103, 115, 116, 118, 128, 130, 131, 13
- B**
Bittern,
 American 10, 14, 18, 32, 36, 58, 68, 97, 100, 104, 131, 132
 Least 29, 30, 32, 36, 58, 83, 97, 100, 104, 128, 130, 132
Blackbird,
 Brewer's 14, 15, 22, 69, 98, 101
 Red-winged 22, 60, 123
 Rusty 11, 22, 33, 42, 66, 72
 Yellow-headed 64, 66, 67, 69, 95, 98
Blackbird sp. 22
Bluebird, Eastern 20, 59, 122
Blue Jay 20, 59, 121
Bobolink 33, 60, 101, 123
Bobwhite, Northern 10, 17, 55, 57, 99, 115, 117, 129, 133
Booby, Brown 26, 27, 29
Bufflehead 17, 57, 106
Bunting,
 Indigo 30, 34, 61, 64, 67, 102, 105, 125
 Lazuli 84
 Painted 30, 95, 99, 102, 103, 105, 129
 Snow 79, 83, 93
Buteo sp. 18
- C**
Canvasback 10, 17, 35, 65, 67, 70, 73, 99, 103
Cardinal, Northern 22, 61, 125
Catbird, Gray 12, 13, 14, 15, 20, 41, 60, 68, 72, 74, 98, 105, 122
Chat, Yellow-breasted 33, 60, 123
Chickadee,
 Black-capped 74, 74, 83, 107
 Carolina 20, 59, 121
Chuck-will's-widow 57, 82
Collared-dove, Eurasian 17, 57, 71, 117
Coot, American 18, 57, 118, 129, 132
Cormorant,
 Double-crested 1, 2, 3, 13, 18, 58, 104, 119
 Neotropic 29, 30, 32, 95, 96, 97, 99, 100, 115, 116, 119, 130
Cowbird, Brown-headed 10, 22, 60, 123, 133
Crane,
 Sandhill 18, 28, 31, 35, 65, 67, 71, 82, 103
 Whooping 10, 18, 35, 65, 71
Creeper, Brown 20, 59, 115, 122
Crossbill, Red 38, 42, 101, 107, 127, 129, 131, 134
Crow,
 American 10, 20, 59, 121
 Fish 20, 29, 32, 37, 59, 66, 68, 72, 98, 101, 104, 121, 129, 131, 132, 133, 134
Cuckoo,
 Black-billed 27, 31, 55, 57, 96, 99, 103, 106, 116, 117
 Yellow-billed 35, 57, 103, 117
Curlew, Long-billed 26, 27, 28
- D**
Dickcissel 33, 34, 38, 39, 55, 61, 98, 99, 102, 105, 116, 125, 132, 133, 134
Dove,
 Mourning 17, 40, 57, 117, 133
 Rock 78, 86, 87
 White-winged 82, 95, 96
Dowitcher,
 Long-billed 28, 31, 65, 95, 96, 97, 100
 Short-billed 28, 31, 36, 97, 100, 128, 130, 132
Duck,
 American Black 10, 15, 17
 Long-tailed 27, 35, 70, 78, 82, 86, 87, 102, 103
 Ring-necked 17, 30, 57, 129, 131
 Ruddy 17, 27, 35, 129, 132
 Wood 17, 57, 117
Duck sp. 17, 117
Dunlin 18, 28, 31, 36, 41, 67, 71, 97, 100
- E**
Eagle,
 Bald 10, 15, 18, 40, 41, 58, 74, 119
 Golden 18, 29, 32, 40, 66, 68, 70, 71, 100
Egret,
 Cattle 1, 2, 4, 37, 55, 58, 68, 97, 100, 104, 132
 Great 1, 2, 3, 4, 18, 36, 41, 58, 68, 70, 71, 106, 119, 132, 133
 Reddish 94
 Snowy 1, 2, 4, 29, 32, 36, 54, 55, 58, 100, 104, 130, 132
Eider, Common 93
Empidonax sp. 121

F

Falcon, Peregrine 20, 29, 32,
37, 40, 41, 66, 68, 71,
74, 78, 98, 101, 104, 106,
112, 120, 127, 129, 130,
133

Finch,

House 22, 60, 123, 134
Purple 22, 27, 29, 33, 35,
38, 41, 60, 64, 65, 70, 72,
74, 101, 106, 107, 116,
123, 134

Flamingo, American 127, 128

Flicker, Northern 5, 20, 58,
120

Flycatcher,

Acadian 59, 120
Alder 29, 32, 98, 101, 104,
106, 134
Great Crested 5, 32, 59, 98,
120
Least 32, 59, 101, 107, 115,
121, 131
Olive-sided 5, 29, 32, 37,
54, 58, 98, 101
Scissor-tailed 29, 32, 37,
59, 95, 98, 101, 103, 104,
120, 129, 130, 131, 132
Willow 5, 59, 106, 129, 132
Yellow-bellied 32, 37, 54,
55, 59, 98, 104, 120
Frigatebird, Magnificent 127,
130

G

Gadwall 17, 27, 57, 82, 117,
131

Gallinule,

Common 34, 35, 70, 71,
82, 85, 102, 103, 127,
128, 132
Purple 34, 35, 81, 82, 99,
100

Garganey 80, 82

Gnatcatcher, Blue-gray 29,
33, 37, 50, 59, 64, 70, 72,
98, 101, 122

Godwit,

Hudsonian 95, 96
Marbled 34, 35, 95, 96
Goldeneye, Common 10, 17,
65, 70, 74, 99, 103, 106
Golden-plover, American
28, 31, 35, 96, 100, 103,
118
Goldfinch, American 22, 60,
83, 123
Goose,
Cackling 10, 17, 30, 82
Canada 17, 57, 117
Greater White-fronted 17,
30, 35, 40, 67, 70, 103
Ross's 17, 73, 82, 99, 129
Snow 11, 12, 15, 17, 27, 30,
35, 67, 70, 81, 82, 129

Grackle,

Boat-tailed 26, 30, 33
Common 22, 60, 123

Grebe,

Eared 31, 96, 106
Horned 17, 27, 65, 67, 96,
99, 133
Pied-billed 17, 57, 117,
129, 132
Red-necked 27, 31, 64, 67,
70, 71, 99

Ground-dove, Common

10, 13, 17, 27, 64, 65, 82,
86, 99

Grosbeak,

Blue 30, 34, 39, 61, 84, 99,
125
Evening 10, 12, 22, 64, 67,
68, 70, 72
Rose-breasted 33, 39, 42,
61, 102, 105, 125, 133
Grouse, Ruffed 10, 17, 54,
57, 115, 117

Gull,

Black-headed 82
Bonaparte's 18, 28, 34, 36,
82, 100
California 83
Franklin's 28, 31, 82, 97,
100
Glaucous 83

Great Black-backed 83

Herring 10, 18, 36, 58, 66,
83, 100, 118, 130

Iceland 10, 12, 18, 64, 65,
66, 81, 83, 85

Laughing 18, 26, 28, 31,
41, 55, 58, 65, 82, 100,
102, 103, 115, 118, 128,
130

Lesser Black-backed 18,
28, 31, 65, 66, 68, 70, 71,
83, 95, 100, 115, 119, 130

Little 14, 18, 64, 65, 82

Ring-billed 6, 7, 18, 58, 83,
118, 128, 130

Sabine's 26, 27, 28

Thayer's 10, 81, 85

H

Harrier, Northern 18, 40, 58,
78, 83, 85, 119

Hawk,

Broad-winged 32, 37, 40,
58, 101, 104, 106, 119
Cooper's 6, 7, 8, 18, 40, 58,
119
Ferruginous 93
"Harlan's" Red-tailed 29,
66, 68, 98
"Kriders" Red-tailed 29
Red-shouldered 18, 40, 58,
119

Red-tailed 18, 29, 40, 58,
66, 68, 120

Rough-legged 14, 18, 29,
66, 67, 68, 98

Sharp-shinned 18, 40, 58,
119

Swainson's 26, 27, 29

Heron,

Great Blue 1, 15, 18, 58,
119
Green 10, 13, 18, 32, 37,
41, 58, 68, 70, 71, 119
Little Blue 1, 29, 32, 36, 94,
97, 100, 104, 130, 131,
132
Tricolored 36, 97

Hummingbird, 112

- Calliope 82
- Ruby-throated 28, 40, 57,
96, 100, 117
- Rufous 31, 35, 71

I

Ibis,

- Glossy 97
- White 29, 32, 37, 97, 116,
130, 132
- White-faced 98

J

Jaeger, Parasitic 26, 34, 36

Jay, Blue 20, 59, 121

Junco,

- Dark-eyed 22, 39, 60, 66,
84, 123, 129
- “Oregon” Dark-eyed 66

K

Kestrel, American 10, 20, 40,
58, 78, 120

Killdeer 18, 57, 65, 96, 118

Kingbird,

- Eastern 59, 101, 120
- Western 26, 29, 30, 32, 34,
37, 54, 59, 95, 98, 129

Kingfisher, Belted 20, 58, 83,
120

Kinglet,

- Golden-crowned 20, 59,
122
- Ruby-crowned 20, 46, 59,
122

Kiskadee, Great 5

Kite,

- Mississippi 32, 58, 98, 101,
104, 127, 129, 13
- Swallow-tailed 29, 99, 100

Kittiwake, Black-legged 30,
31, 39, 41

Knot, Red 34, 35

L

Lark, Horned 20, 55, 59, 105,
121, 133

Longspur,

- Chestnut-collared 79, 83
- Lapland 22, 29, 33, 66, 69,
79, 83
- McCown's 83
- Smith's 29, 79, 83

Loon,

- Common 18, 26, 29, 32,
34, 36, 39, 41, 53, 58, 68,
71, 74, 97, 100, 104, 115,
119, 131, 132
- Pacific 10, 18, 29, 66, 68,
70, 71
- Red-throated 6, 15, 18, 28,
31, 66, 68, 71, 97, 100

M

Mallard 17, 57, 80, 99, 117

Martin, Purple 32, 59, 66, 68,
72, 121

Meadowlark,

- Eastern 22, 60, 123
- Western 10, 22, 30, 66, 98

Merganser,

- Common 11, 17, 35, 40,
54, 57, 65, 67, 70, 74, 95,
99, 102, 103, 106, 131
- Hooded 17, 57, 70, 99,
103, 129, 131, 133

Red-breasted 17, 30, 35,
65, 67, 74, 106Merlin 12, 20, 29, 32, 37, 40,
41, 66, 68, 71, 74, 101,
104, 106, 120Mockingbird, Northern 5,
20, 60, 122

Munia, Scaly-breasted 69

N

Nighthawk, Common 35,
57, 117

Night-heron,

- Black-crowned 1, 18, 29,
55, 58, 66, 115, 119
- Yellow-crowned 29, 32, 37,
58, 100, 104, 106, 115,
119

Noddy, Brown 94

Nuthatch,

- Brown-headed 10, 20, 59,
68, 72, 122
- Red-breasted 20, 27, 29,
33, 35, 37, 59, 64, 65, 68,
70, 72, 74, 98, 105, 121,
133
- White-breasted 20, 59, 122

O

Oriole,

- Baltimore 10, 13, 22, 33,
60, 64, 65, 66, 70, 72, 78,
105, 115, 123

Bullock's 78

Northern 78, 78

Orchard 60, 101

Osprey 10, 11, 12, 18, 37, 40,
41, 58, 68, 71, 74, 96, 98,
100, 104, 119, 133

Ovenbird 38, 60, 84, 123

Owl,

- Barn 11, 14, 18, 63, 110,
115, 116, 120, 130
- Barred 18, 58, 120
- Great Horned 18, 58, 115,
120
- Long-eared 65, 66, 109,
110, 111
- Northern Saw-whet 12, 32,
39, 41, 54, 58, 106
- Screech-owl, Eastern 10,
18, 58, 120
- Snowy 83

P

Parula, Northern 42, 49, 50,
61, 64, 73, 84, 99, 102,
124

Pelican,

- American White 18, 29,
32, 36, 58, 66, 68, 70,
71, 97, 100, 102, 104, 19,
127, 128, 130
- Brown 83, 95, 100, 102,
104

Petrel, Black-capped 94

- Phalarope,
 Red 27, 28, 31, 82, 85
 Red-necked 26, 30, 31, 39,
 41, 95, 96, 97
 Wilson's 28, 55, 57, 97, 99,
 100, 102, 103, 118, 128
- Phoebe,
 Eastern 20, 59, 121
 Say's 26, 34, 37, 64, 65, 66,
 96, 98
- Pigeon,
 Band-tailed 82
 Rock 17, 57, 78, 82, 86, 87,
 117
- Pintail, Northern 17, 27, 80,
 99, 115, 117, 128
- Pipit, American 22
- Plegadis sp. 98
- Plover,
 Black-bellied 28, 31, 35,
 96, 115, 118
 Piping 28
 Semipalmated 57, 96, 118,
 132
 Snowy 82
- R**
- Rail,
 Clapper 82, 85
 King 39, 82, 91
 Virginia 11, 12, 15, 17, 31,
 35, 40, 54, 57, 65, 67, 71,
 96, 100, 103
- Rail sp. 18
- Raven, Common 20, 37, 59,
 72, 104, 107, 121, 131,
 132
- Redhead 10, 17, 35, 57, 65,
 70, 99, 103, 131
- Redstart, American 38, 49,
 50, 61, 64, 73, 105, 131
- Robin, American 20, 60, 122
- Ruff 82, 95, 96, 97
- S**
- Sanderling 28, 31, 35, 41, 97
- Sandpiper,
 Baird's 28, 31, 36, 97, 115,
 118
- Buff-breasted 28, 31, 36,
 82, 116, 118
- Curlew 95, 96, 97
- Least 57, 65, 67, 71, 118,
 132
- Pectoral 36, 57, 65, 100,
 103, 116, 118, 130
- Semipalmated 28, 57, 97,
 118, 130, 132
- Solitary 36, 58, 100, 118
- Spotted 10, 18, 31, 57, 82,
 85, 100, 103, 106, 118,
 128, 132
- Stilt 28, 31, 35, 57, 97, 100,
 118, 128, 130
- Upland 28, 31, 35, 54, 55,
 57, 96, 102, 103
- Western 28, 31, 36, 57, 97,
 118, 128, 130
- White-rumped 28, 36, 97,
 100, 128, 130, 132
- Sapsucker, Yellow-bellied 20,
 58, 120, 133
- Scaup,
 Greater 10, 17, 40, 65, 67,
 70, 74, 99, 128
 Lesser 17, 35, 106, 128
- Scaup sp. 17
- Scoter,
 American 70
 Black 27, 30, 35, 65, 70, 74,
 81, 82, 85, 96, 103
 Common 81, 85
 Surf 27, 30, 35, 67, 70, 103
 White-winged 30, 35, 67,
 70, 82, 99, 103
- Screech-owl, Eastern 10,
 18, 58, 120
- Shearwater, Great 83, 86,
 127, 128
- Shoveler, Northern 17, 57,
 80, 82, 103, 117
- Shrike,
 Loggerhead 11, 12, 20, 41,
 59, 74, 132
 Northern 83
- Siskin, Pine 22, 27, 29, 33, 35,
 38, 42, 60, 64, 65, 70, 74,
 83, 101, 107, 123, 134
- Skimmer, Black 127, 130
- Skua, South Polar 82
- Snipe,
 Common 85
 Wilson's 18, 31, 57, 82, 85,
 100
- Sora 11, 13, 14, 17, 35, 40, 56,
 57, 65, 67, 71, 103, 106,
 118
- Sparrow sp. 22, 123
- Sparrow,
 American Tree 10, 27, 29,
 64, 65, 66, 69, 84, 98
 Bachman's 83
 Black-throated 83
 Chipping 22, 38, 60, 123
 Clay-colored 33, 38, 39, 42
 Field 22, 60, 123
 Fox 22
 Grasshopper 30, 42, 60
 Harris's 10, 22, 64, 67, 69,
 70, 72, 95, 98
 Henslow's 33, 60, 84, 101,
 131, 133
 House 22, 60, 123
 Lark 30, 33, 38, 42, 66, 98,
 101, 129, 131, 133
 LeConte's 10, 13, 14, 22,
 30, 33, 38, 84
 Lincoln's 10, 11, 14, 22, 33,
 38, 42, 60, 66, 69, 72, 123
 Nelson's 30, 33, 38, 84, 86
 Savannah 22, 60
 Song 22, 60, 116, 123
 Swamp 10, 22, 60, 107, 123
 Vesper 66, 69, 105, 107, 134
 White-crowned 22, 60
 White-throated 22, 60, 74
- Spoonbill, Roseate 29, 30, 32,
 83, 129
- Starling, European 10, 20,
 60, 122
- Stilt, Black-necked 28, 57, 96,
 100, 118, 130
- Stork, Wood 30, 32, 129, 130
- Storm-petrel, Band-
 rumped 83

Swallow,
 Bank 32, 59, 101, 107, 116,
 121, 131, 133
 Barn 59, 83, 101, 105, 121
 Cave 83, 93, 127, 128, 129
 Cliff 59, 105
 Northern Rough-winged
 26, 32, 41, 59, 66, 105,
 121
 Tree 8, 9, 10, 13, 20, 29,
 32, 35, 37, 41, 59, 66, 68,
 72, 74, 121
 Swallow sp. 121
 Swan,
 Mute 17
 Tundra 30
 Swan sp. 17, 30, 40
 Swift, Chimney 31, 35, 57,
 100, 117

T

Tanager,
 Scarlet 61, 105, 125
 Summer 33, 61, 64, 65, 67,
 69, 99, 125
 Western 26, 30, 33, 64, 67,
 69, 95, 96, 99, 102, 103,
 105
 Teal,
 Blue-winged 17, 40, 57,
 67, 70, 80, 82, 117, 129,
 131
 Cinnamon 80, 82, 96
 Green-winged 17, 80, 117,
 129
 Tern,
 Black 26, 28, 31, 36, 41,
 97, 128, 130, 132
 Caspian 31, 41, 58, 83,
 100, 103, 106, 119, 128,
 130
 Common 26, 28, 31, 34,
 35, 36, 39, 41, 97, 100,
 104, 119, 128, 130
 Forster's 13, 18, 31, 36, 41,
 58, 66, 68, 71, 104, 106,
 119, 130, 132, 133
 Gull-billed 83
 Least 36, 83, 128, 130

Royal 83, 127, 130
 Sandwich 127, 130
 Sooty 83
 Thrasher, Brown 10, 20, 60,
 122, 134
 Thrush,
 Gray-cheeked 59, 122
 Hermit 20, 60, 134
 Swainson's 39, 41, 60, 101,
 122
 Wood 60, 105, 122
 Titmouse,
 Black-crested 79
 Tufted 20, 59, 79, 83, 121
 Towhee, Eastern 22, 60, 123
 Turkey,
 Wild 17, 57, 117
 Vulture 119
 Turnstone, Ruddy 28, 31, 35,
 95, 96, 100

V

Veery 33, 59, 101, 105, 122
 Vesper 11, 14, 22, 33
 Violetear, Mexican 82, 85
 Vireo,
 Bell's 32, 54, 55, 59, 98,
 101, 127, 128, 129, 131
 Blue-headed 13, 14, 20, 29,
 37, 39, 59, 66, 68, 72, 78,
 98, 104, 107, 121
 Philadelphia 26, 35, 37, 41,
 59, 104, 121
 Red-eyed 26, 32, 41, 59,
 83, 104, 121
 Warbling 32, 59, 101, 121
 White-eyed 12, 20, 59, 64,
 66, 68, 98, 104, 121
 Yellow-throated 10, 15, 20,
 32, 37, 59, 64, 68, 101,
 104, 125, 133
 Vulture,
 Black 18, 58, 71, 119
 Turkey 18, 40, 58, 119

W

Warbler,
 Audubon's 78

Bay-breasted 38, 39, 42,
 61, 84, 124
 Black-and-white 60, 69,
 93, 101, 105, 124
 Blackburnian 26, 33, 38,
 42, 61, 84, 102, 105, 107
 Black-fronted 78
 Blackpoll 26, 34, 38, 39,
 42, 61, 84, 125
 Black-throated Blue
 38, 39, 61, 84, 102, 105,
 116, 125
 Black-throated Gray 84
 Black-throated Green 33,
 39, 61, 84, 99, 102, 105,
 125
 Blue-winged 33, 42, 60, 84,
 98, 101, 124, 131
 "Brewster's" 33, 38
 Canada 33, 61, 64, 70, 73,
 84, 99, 102, 116, 125
 Cape May 33, 38, 42, 49,
 61, 73, 84, 102, 105, 124
 Cerulean 61, 84, 105, 107,
 124, 131, 133
 Chestnut-sided 38, 56, 61,
 84, 124
 Connecticut 42, 84, 95, 98,
 102, 103, 105
 Golden-winged 30, 33, 38,
 42, 60, 98, 101, 105, 107,
 116, 124, 133, 134
 Goldman's 78
 Hooded 61, 84, 99, 124
 Kentucky 61, 84, 99, 111,
 124
 Kirtland's 84
 "Lawrence's" 30
 MacGillivray's 84
 Magnolia 10, 13, 22, 30,
 33, 38, 42, 61, 64, 70, 73,
 84, 107, 124, 134
 Mourning 33, 38, 39, 42,
 60, 84, 99, 102, 116, 124
 Myrtle 78
 Nashville 10, 14, 22, 30, 38,
 42, 45, 49, 50, 60, 67, 72,
 80, 84, 98, 124

- Warbler (continued)
- Orange-crowned 12, 22, 30, 33, 38, 42, 48, 67, 69, 72, 80, 84, 124
 - Palm 12, 22, 39, 49, 61, 69, 73, 84, 102, 125
 - Pine 22, 49, 61, 125
 - Prairie 49, 50, 61, 73, 84, 102, 107, 125
 - Prothonotary 60, 98, 107, 124
 - Swainson's 42, 60, 98, 105, 107, 115, 124
 - Tennessee 14, 22, 30, 33, 38, 39, 42, 60, 66, 69, 72, 80, 84, 98, 101, 124
 - Townsend's 84
 - Virginia's 45, 46, 47, 48, 49, 50, 51, 64, 70, 72, 94
 - Wilson's 39, 42, 55, 61, 73, 84, 102, 125
 - Worm-eating 60, 84, 105, 124
 - Yellow 26, 38, 49, 61, 73, 84, 124, 131
 - "Yellow" Palm 102
 - Yellow-rumped 22, 46, 49, 61, 78, 84, 125, 134
 - Yellow-throated 61, 84, 99, 102, 125, 133
- Warbler sp. 125
- Waterthrush,
- Louisiana 60, 69, 84, 101, 105, 107
 - Northern 30, 33, 38, 60, 84, 101, 124
- Waxwing, Cedar 22, 60, 105, 107, 122
- Whimbrel 95, 96
- Whip-poor-will, Eastern 57, 82, 99, 106, 115, 117
- Whistling-duck,
- Black-bellied 27, 57, 95, 96, 99, 102, 103, 117, 128
 - Fulvous 27, 96, 128
- Wigeon,
- American 17, 82
 - Eurasian 10, 12, 15, 17, 64, 67, 82
- Willet 28, 31, 36, 82, 95, 97, 100, 102, 103, 128, 131, 132
- Woodcock, American 18, 57, 106, 133
- Woodpecker,
- Black-backed 88
 - Cardinal 88
 - Downy 20, 58, 83, 86, 88, 120
 - Great Spotted 88
 - Hairy 20, 58, 83, 86, 88, 120
 - Helmeted 89
 - Ladder-backed 88
 - Middle Spotted 88
 - Pied 90
 - Pileated 20, 58, 120
 - Red-bellied 20, 58, 106, 120
 - Red-cockaded 83, 88
 - Red-headed 14, 20, 41, 58, 120
 - Three-toed 88
- Woodpecker sp. 20
- Wood-Pewee, Eastern 26, 32, 35, 37, 41, 59, 64, 70, 72, 120
- Wren,
- Bewick's 83
 - Carolina 20, 59, 122
 - House 20, 59, 68, 72, 83, 122
 - Marsh 12, 20, 33, 37, 41, 59, 68, 72, 101, 115, 122
 - Sedge 20, 33, 37, 41, 55, 59, 68, 72, 101, 105, 116, 122, 131
 - Winter 20, 33, 59, 83, 122
- Y**
- Yellowlegs,
- Greater 36, 58, 65, 67, 71, 100, 118, 130
 - Lesser 58, 65, 71, 97, 118, 132
- Yellowthroat, Common 22, 38, 42, 48, 49, 61, 67, 69, 73, 105, 124

INSTRUCTIONS TO AUTHORS

The Migrant records observations and studies of birds in Tennessee and adjacent areas.

SUBMISSIONS: The manuscript should be submitted electronically to Bob Ford at editorthemigrant@gmail.com. Submission of hard copies is optional. If so desired the original and two copies of the manuscript should be sent to the: Editor: Bob Ford, 808 Hatchie, Brownsville, TN 38012. Manuscripts that have been published in other journals should not be submitted.

MATERIAL: The subject matter should relate to some phase of Tennessee ornithology. It should be original, factual, concise and scientifically accurate.

STYLE: Both articles and short notes are solicited; recent issues of *The Migrant* should be used as a guide in the preparation of manuscripts. Where more detail is needed, reference should be made to *Scientific Style and Format*, eighth edition, by the Council of Science Editors, councilscienceeditors.org.

COPY: Manuscripts should be double-spaced with adequate margins for editorial notations and emailed in Word.docx. Tables and figures should be prepared in a separate file with appropriate headings; see *Scientific Style and Format* for examples of appropriate form for tables. Photographs intended for reproduction should be at least 300 dpi or sharp with good contrast on glossy white paper. Weights, measurements, and distances should be in metric units. Dates should be in "continental" form (e.g., 16 March 1997). Use the 24-hour clock (e.g., 0500 or 1900).

NOMENCLATURE: The scientific name of a species should be given after the first use of the full common name in the text. The scientific name should be italicized and in parentheses. Names should follow the *A. O. U. Check-list of North American Birds* (seventh edition, 1998, or supplements).

TITLE: The title should be concise, specific and descriptive.

ABSTRACT: Manuscripts of five or more pages should include an abstract. The abstract should be less than 5% of the length of the manuscript. It should include a brief explanation of why the research was done, the major results, and why the results are important.

LITERATURE CITED: List all literature citations in a "Literature Cited" section at the end of the text. Text citations should include the author and year.

IDENTIFICATION: Manuscripts including reports of rare or unusual species or of species at atypical times should include: date and time, light and weather conditions, exact location, habitat, optical equipment, distance, behavior of bird, comparison with other similar species, characteristic markings, experience of observer, other observers verifying the identification and reference works consulted.

REPRINTS: Reprints are available to authors on request. Billing to authors will be through the TOS treasurer. Request for reprints must be made well in advance of printing.

SEASON REPORTS: Observations that are to be considered for publication in "The Season" should be mailed to the appropriate Regional Compiler. Consult a recent issue of *The Migrant* for the name and address of the compiler.

CONTENTS

WINTER DIET OF A LONG-EARED OWL IN NORTHEAST TENNESSEE Richard L. Knight.....	109
BOOK REVIEW FASTEST THINGS ON WINGS: RESCUING HUMMINGBIRDS IN HOLLYWOOD Camille Monohan	112
MINUTES OF THE 2019 FALL BOARD OF DIRECTORS MEETING Cyndi Routledge	113
2019 TENNESSEE FALL BIRD COUNTS Ron Hoff	115
THE SUMMER SEASON: 1 JUNE – 31 JULY 2019 Richard L. Knight.....	127
WESTERN COASTAL PLAIN REGION Dick D. Preston.....	128
HIGHLAND RIM AND BASIN REGION Stephen C. Zipperer	129
CUMBERLAND PLATEAU/RIDGE AND VALLEY REGION Richard L. Knight.....	131
EASTERN MOUNTAIN REGION Richard P. Lewis.....	133
SPECIES INDEX	135

