

# 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.

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### NOTICE TO RESEARCHERS AND LIBRARIES

Volume 68, Number 1, has preceded this issue. Volume 66, Numbers 1-4, is printed in this single issue, with Volume 67 to follow. Several references in this issue include dates later than the cover date of 1995. The journal is behind schedule and it has been necessary to use material which, in some cases, was submitted and accepted later in the year.

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*The Migrant*, 66 (3) 46-48, 1995.

## FIRST TENNESSEE RECORD OF VIOLET-GREEN SWALLOW WITH A SUMMARY OF EXTRALIMITAL RECORDS IN EASTERN NORTH AMERICA

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A single Violet-green Swallow (*Tachycineta thalassina*) was seen by the author on 27 March 1994 at Austin Springs, Washington County, in northeast Tennessee. This bird was in a flock of about 80 Tree Swallows (*T. bicolor*) foraging in a field adjacent to the Watauga River arm of Boone Lake. The observation occurred at about 11:00 EST and lasted for approximately one and a half to two minutes, after which the flock drifted northward and could not be found again. The bird was viewed through Nikon 10X binoculars at a range of 30-35 m (100-120 ft). The sky was overcast, but local visibility was good. The temperature was 18°C (65°F) and intermittent light rain fell.

Seen only in flight, the Violet-green Swallow appeared nearly the same size and shape as the nearby Tree Swallows. It was mostly dark above and clean white below from the throat to the undertail coverts. The upper back was greenish, but more of a lime-green than the bluish-green of the Tree Swallows. Other coloration on the dorsal surface could not be discerned. Most notably, the white flanks extended well up onto the upper rump, leaving a narrow dark strip down the middle. This feature was very distinct and eye-catching as the swallow banked and turned in flight. It should be pointed out that on some Tree Swallows, especially when seen side-on, their white flanks may slightly overlap onto the rump. However, when these birds bank and present a good dorsal view, their rumps show a much broader dark patch than on Violet-green Swallows. White on the cheek of the Austin Springs bird extended behind and slightly above the level of the eye, indicative of a male (Pyle *et al.* 1987). That this Violet-green Swallow was in a flock of Tree Swallows made for a good comparison of the two species. Field guides by Scott (1987) and Peterson (1990) were consulted shortly after the observation, confirming the field marks seen.

I have previous experience with Violet-green Swallows in several western states. Additionally, about two months after the Tennessee sighting, I had opportunity to study numerous Violet-greens in Utah and Arizona. Their rump pattern was bold

and easily seen, even at a considerable distance. These later observations reinforced my belief that the bird I saw in Tennessee was indeed a Violet-green Swallow.

This first report of a Violet-green Swallow in Tennessee was accepted by the Tennessee Bird Records Committee. The species was placed on the state provisional list, as no specimen or photograph was secured and less than three independent sight records exist.

#### DISTRIBUTION AND PATTERN OF VAGRANCY

A bird of the west and far northwest, the Violet-green Swallow breeds from Alaska and the Yukon south into Mexico (A.O.U. 1983). Their breeding range extends eastward into central Montana and the western portions of South Dakota, Nebraska, and Texas (*op. cit.*). As a long distance migrant, this species would certainly seem to be a plausible vagrant to eastern North America.

Extralimital records in eastern Canada and the United States are listed below. Accounts from the regional reports in *Audubon Field Notes/American Birds* are cited in the text.

*Manitoba*: Godfrey (1966) mentions one report in April 1945 at Sandilands, in the southeast corner of the province.

*Ontario*: One was seen 28-29 October 1992 at Thunder Cape Bird Observatory, on the northwestern shore of Lake Superior (*Am. Birds* 47:90, 1993).

*Nova Scotia*: One was seen 30 October 1965 at Crescent Beach, on the southeast coast (Tufts 1986).

*Minnesota*: Keating (1943) reported two on 25 October 1942 at Rochester. Another was seen 9-11 July 1990 at Claremont (*Am. Birds* 44:1136, 1990). Both locations are in the southeast corner of the state.

*Missouri*: Robbins and Easterla (1992) consider this species as hypothetical based on two sightings, only one of which was documented. Three birds were convincingly described 7 October 1974 at Lewis and Clark State Park, in northwest Missouri. They also mention a report of three on 9-11 April 1966 at LaPlata, in the north-central part of the state.

*Illinois*: A specimen was collected 4 May 1897 at Calumet (Bohlen 1989). Nearly a century later, one was seen 18 July 1991 at Wilmette (*Am. Birds* 45:1123, 1991). During 5-8 June 1994 a female Violet-green, observed nest-building and apparently paired with a Tree Swallow, was photographed in Winnebago County (*Aud. Field Notes* 48:949, 1994). All three locations are in northern Illinois.

*Ohio*: One was photographed on 16 May 1990 in Holmes County, in the north-central part of the state (*Am. Birds* 44:379 & 437, 1990).

*New Hampshire*: One was seen on 15 September 1965 at New Durham (*Aud. Field Notes* 20:7, 1966).

*New Jersey*: One photographed 7-10 November 1992 at Cape May, on the coast, was quite late (*Am. Birds* 47:73, 1993).

*Florida*: Robertson and Woolfenden (1992) classify this species as an unverified straggler, listing four sight reports. Of these, one was withdrawn by the observer, one was rejected by the Florida Ornithological Society Records Committee, and another is considered tentative. The other sighting was reported 8 February 1943 in Orange County.

Including the Tennessee sighting reported in this note, these 15 extralimital records came from each month from February to November, except for August. Five records were in spring, while six were in autumn, mostly October. The two July records probably pertain to early autumn migrants. Thus 13 of 15 (87%) reports are from the migrational period, as might be expected for this species. The October and November records are rather late for swallows, especially considering the northern locations involved.

It is noteworthy that nearly half ( $n=7$ ) of these records are from the early 1990s. Clearly, observers in the east should be alert for additional sightings.

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Received 20 April 1995.

TREE SWALLOWS NESTING  
IN MONTGOMERY COUNTY, TENNESSEE

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On June 30 1994 I observed a pair of Tree Swallows (*Tachycineta bicolor*) feeding nestlings in a Clarksville backyard. A few days earlier Dennis Wood had informed me about these swallows nesting in a box that he had put up for Eastern Bluebirds (*Sialia sialis*). Mr. Wood lives in a typical suburban neighborhood with many maples (*Acer* sp.) about 25 years old. The nearest wetland is a large shallow pond about one km away. Both adult swallows fed the young every few minutes, showing little concern about me and Mr. Wood sitting nearby. Mr. Wood reported that four young fledged on 7 July.

Although Tree Swallows have nested in at least a third of Tennessee's 95 counties (Nicholson in press), this was the first nest record in Montgomery County. Also, this nesting was later than most in Tennessee.

I thank David Snyder and Michael Bierly for encouragement to write this note.

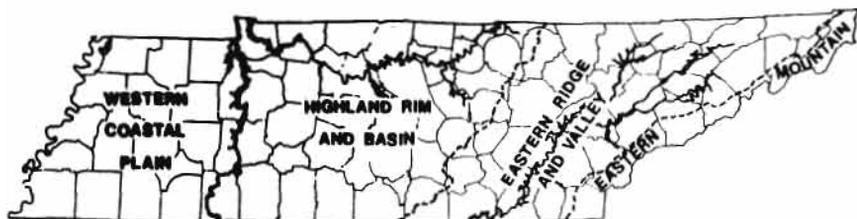
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Accepted 2 May 1995.

## THE SEASON

RICHARD L. KNIGHT, Editor



SPRING: 1 MARCH - 31 MAY 1995

WESTERN COASTAL PLAIN REGION - *Grebe-Merganser*: **Horned Grebe**: 28 Apr (1) Rlft L NWR (MAG). **American White Pelican**: 28 Mar (22) Whites Lake; 29 Mar/6 Apr (40 max) Is 13; 6 Apr (9) Is 21, Dyer Co. (all by WGC). **American Bittern**: 31 Mar-4 May (1) Whites Lake (WGC); 9 Apr (1) Humbolt Marsh (MAG). **Least Bittern**: 29 Apr (1) TEC (MAG, JRW); 4 May (1) Whites Lake (WGC). **Black-crowned Night-Heron**: 16 Apr-13 May (2) Whites Lake (WGC, MAG). **WHITE-FACED IBIS**: 22/23 Apr (1 ad) Shelby Farms (MLG, TMI, SNM, NPM, EJR, VBR, MGW), second record for Shelby Co., third record for TN. *Plegadis sp.*: 22 May (1) Mustin Bottoms (Rick Bryan, fide VaH). **Tundra Swan**: 4 Mar-23 Apr (1 im) Rlft L (WGC, MLG). **Green-winged Teal**: 15 Apr (1) Black Bayou (WGC). **EURASIAN WIGEON**: 8 Mar (1 m) Whites Lake (WGC). **CINNAMON TEAL**: 29-30 Mar (1 m) Hwy 152, Middle Fork Forked Deer River, Gibson Co. (MAG). **Greater Scaup**: 11 Mar (1 m) TEC (MAG, JRW); 23 Apr (1 m) Rlft L (MLG). **Lesser Scaup**: 1 Mar-EOP (8 max) Shelby Farms (MLG), late Shelby Co. **SURF SCOTER**: 12-17 May (2) Rlft L (David Haggart), late TN. **Red-breasted Merganser**: 4 Mar (3 m) Samburg (WGC); 19/25 Mar (2) TEC (DoM, VBR, MGW); 28 Mar (1 f) Everett Lake (WGC); 21 Apr (1 f) Shelby Farms (MLG); 2 May (1 f) Whites Lake; 3 May (1 f) Lake Co. (WGC); 3 May (1) Lake Graham, Madison Co. (MAG).

*Osprey-Moorhen*: **Osprey**: 9 Mar-15 Apr (2) Rlft L (WGC); 12 Mar (1) west of TN River at I-40 (SNM, NPM); 25 Mar/13 May (1) Hatchie NWR (MAG, DaN); 29 Mar (1) Whites Lake (WGC); 5 Apr (1) w Millington, Shelby Co. (VaH); 19/29 Apr (1) Hatchie NWR (RLB, HBD, KHG, SSL, JPM, VBR, BHW, DLW); 3 May (1) Hwy 79 W and Gr River Rd, Lake Co. (WGC), 12/21 May (on nest) Rlft L (MAG, MTOS). **Mississippi Kite**: 12 May (1) Overton Park (OKM); 20 May (75/20) Presidents Is/other areas of Shelby Co. (MLG, VBR); 22 May (51) Mustin Bottoms (VaH). **Bald Eagle**: 14 Mar-3 May (on nest-2 yg) #9 Lake (WGC); 21 Apr-3 May (2 yg) Lake Isom NWR (WGC); 21 May (5) Rlft L, Lake Co. (MTOS). There are four additional nests at Rlft L (WGC). **Sharp-shinned Hawk**: 13 Mar (1) Whites Lake (WGC); 18 Mar (1) Gibson Co. (MAG); 25 Mar (1) Hatchie NWR (MAG); 30 Apr (1) Shelby Forest S P (MTOS). **Cooper's Hawk**: 3 Mar (1) Gibson Co. (MAG); 4 Mar (1) Black Bayou (WGC); 6 Mar (1) e Shelby Co. (OKM). **Broad-winged Hawk**: 12 Apr (9) Shelby Forest S P (DDP). **American Kestrel**: Ten yg were hand reared at the Memphis Zoo. All will be banded and released in west Tennessee. **Peregrine Falcon**: 9 Mar (1) n Shelby Co. (SNM); 1/9 Apr (1) w Shelby Co. (LCC, MaH); 21 Apr (1) Black Bayou

(WGC); 29 Apr (1) w Shelby Co. (MAG); 13 May (1) Hatchie NWR (MAG, DaN); 20 May (1) w Shelby Co. (MLG); 2 May (1) Whites Lake (WGC). **King Rail:** 6 Apr-17 May (2) Whites Lake (WGC); 8 Apr (2) Humbolt Marsh (MAG); 20 May (1) TEC (MLG, VBR). **Virginia Rail:** 16 Apr (1) Humbolt Marsh (MAG). Sora: 31 Mar-4 May (8) Whites Lake; 6 Apr (1) Black Bayou (WGC); 28 Apr (1) Keystone Pocket, Rlft L (MAG); 30 Apr-14 May (1) Shelby Farms (VBR). **Purple Gallinule:** 12 May (1) Rlft L, Obion Co. (MAG). **Common Moorhen:** 3 May (2) Samburg (WGC).

*Shorebirds:* The EARTH Complex, Mustin Bottoms, Shelby Farms, Is 13, Whites Lake and other flooded fields in west TN attracted the expected shorebirds that travel the Mississippi Flyway. This report only reflects the more uncommon species or those species that set new departure dates. **American Golden-Plover:** 23 Mar-2 Apr (106 max) Dyer Co. (WGC); 25 Mar (1) Shelby Farms (MLG); 3/9 Apr (22/3) TEC (CHB, DoM, VBR, MGW); 8 Apr (20) TEC (MAG, GCK, ShK, JRW). **Black-bellied Plover:** 13 May (5) Presidents Is (GCP, VBR, MGW). **Black-necked Stilt:** 25 Mar-EOP (17) TEC (DoM, GCP, VBR, MGW); 15 May (pair) Shelby Farms (MLG). **Lesser Yellowlegs:** 14 Apr (178) TEC (CHB, DoM, VBR, MGW); 25 Apr (400+) Lake Co. (MLG); 29 Apr (200+) TEC (MAG, JRW); 4 Apr-23 May (30 max) Shelby Farms (MLG), late Shelby Co. **Solitary Sandpiper:** 29 Apr (150+) TEC (MAG, JRW). **Willet:** 21 Apr (2) Shelby Farms (MLG); 12 May (1) Whites Lake (MAG). **Spotted Sandpiper:** 13 Apr-30 May (7 max) Shelby Farms (MLG). **Western Sandpiper:** 25 Apr (10) Shelby Farms (JAZ, LVZ); 29 Apr (10) TEC (MAG, JRW); 12 May (1) Hwy 79 and Gr River Rd (MAG); 13-20 May (4 max) TEC (MLG, GCP, VBR, MGW). **Baird's Sandpiper:** 14 Mar (3) Whites Lake (WGC); 13 Apr-14 May (4 max) Shelby Farms (CHB, MLG, RDH, DoM, GCP, VBR, MGW). **Pectoral Sandpiper:** 22 May (1) Shelby Farms (MLG), late Shelby. **White-rumped Sandpiper:** 14 Apr-EOP (5) Shelby Farms (MLG, FCP, BTP); 12/17 May (10+) Whites Lake (WGC); 13 May (7) TEC (GCP, VBR, MGW); 13 May (10) Whites Lake (MAG); 13 May-EOP (7/2) TEC/Presidents Is (GCP, VBR, MGW); **Dunlin:** 11/15 Apr (3 max) Whites Lake (WGC); 29 Apr (5) TEC (MAG, JRW); 13 May (17) Whites Lake (MAG); 13 May (2) Shelby Farms (GCP, VBR, MGW). **Long-billed Dowitcher:** 8 Apr (2) TEC (MAG, GCK, ShK, JRW); 30 Apr-19 May (3) Shelby Farms (MLG), late Shelby Co. and TN; 13 May (7) Presidents Is (GCP, VBR, MGW). **Short-billed Dowitcher:** 29 Mar/29 Apr (5 max) Gibson Co. (MAG); 29 Apr (2) TEC (MAG, JRW); 15 Apr-15 May (10 max) Shelby Farms (MLG, VBR); 17 May (8) Whites Lake (WGC). **Dowitcher sp:** 16/17 Mar (6 max) Mustin Bottoms (VBR); 15 Apr/ 2 May (1) Shelby Farms (CHB, MLG, RDH, DoM, WRP, VBR, MGW). **Wilson's Phalarope:** 5/11 Apr-12 May (3 f, 1 m) Whites Lake (WGC); 29 Apr (2) TEC; 13 May (2) Whites Lake (MAG); 13/16 May (2 pair) Shelby Farms (MLG, GCP, VBR, MGW).

*Gull-Owl:* **Franklin's Gull:** 18 Mar (1) Rlft L (MAG). **Caspian Tern:** 15 Apr (4) Is 13 (WGC). **Forster's Tern:** 11 Apr (8 ad, max) Shelby Farms (MLG); 3/5 May (5) Lake Co. (WGC); 12 May (1) Rlft L, Obion Co. (MAG). **Black Tern:** 12 May (6) Rlft L, Obion Co. (MAG); 21 May (5) Rlft L (MTOS). **Black-billed Cuckoo:** 29 Apr (1) TEC (MAG, JRW). **Barn Owl:** 6 Mar (1 ad) e Shelby Co.; 23 Apr (active nest) se Shelby Co., 1 May (1 dead) Somerville, Fayette Co. This bird was found ten miles from release and banding site of June 1993 in Moscow, TN; 6 May (nest 7 yg) Fayette Co. (OKM). This year 16 yg birds (5 from MS, 5 from Shelby Co., 2 from Arkansas, and 4 from west TN) were hand reared at the Memphis Zoo. All will be banded and released in west TN. **Eastern Screech Owl:** 5 Mar (1) midtown Memphis (LCC,

MH). **Great Horned Owl:** 17 Mar (active nest) Millington, Shelby Co.; 21 Mar (nest with yg) Bartlett; 28 Mar (nest with yg) Collierville, Shelby Co. (OKM). Six yg owls were hand reared at the Memphis Zoo. **Barred Owl:** 24 Apr (nest with yg) Eads (OKM).

*Flycatcher-Meadowlark:* **Olive-sided Flycatcher:** 12 May (1) Burnt Wds (MAG). **Willow Flycatcher:** 12 May (2) Black Slough (responded to tape); 13 May (1) Whites Lake (MAG). **Least Flycatcher:** 30 Apr (2) Shelby Forest S P (SNM, VBR); 4 May (1) Lake Graham, Madison Co. (MAG); 12 May (1) Walnut Log (MAG), responded to tape. **Alder Flycatcher:** 12 May (1) Walnut Log (MAG). **SCISSOR-TAILED FLYCATCHER:** 13 May (1) Presidents Is (GCP). **Tree Swallow:** 3 Mar (11) Lauderdale WMA (WGC), early west TN. **Brown Creeper:** 30 Apr (1) Shelby Forest S P (Ian Carson), late Shelby Co. **House Wren:** 4 Mar (1) TEC (MLG, MGW); 18 Mar (2) Overton Park (MTOS); 14 Apr (1) e Memphis (VBR); 20 Apr (1) Humbolt Marsh (MAG). **Marsh Wren:** 16 Apr (1) Humbolt Marsh (MAG); 28 Apr (1) Shelby Farms (VBR). **Veery:** 26 Apr (1) Shelby Farms (WRP); 30 Apr (2) Shelby Forest S P (MTOS); 3 May (2) Cypress Grove (MAG); 12 May (1) Rift L NWR, Obion Co. (MAG). **American Pipit:** 3 Mar / 2 May (15/5) Lauderdale WMA/White Lake (WGC); 6 Apr (1) Black Bayou (WGC). Warbler migration reached its height the third and fourth weeks of April. All species of warblers usually seen in the Mississippi Flyway were present. **Cape May Warbler:** 25 Apr (1) Shelby Forest S P (DDP). **Swainson's Warbler:** 15 Apr-2 May (4 max) Shelby Forest S P (DDP, WRP, MTOS); 22 Apr (1) Hatchie NWR (MTOS); 12 May (1) Rift L (MAG); 26 Apr-16 May (1) Shelby Farms (WRP, GCP, VBR, MGW); 13 May (1) Hatchie NWR (MAG, DaN). **Northern Waterthrush:** 22 Apr (1) Hatchie NWR (MTOS); 30 Apr/2 May (5/1) Shelby Forest S P (MTOS/WRP); 2 May (1) TEC (WRP); 3 May (1) Cypress Grove (MAG); 4 May (1) Lake Graham, Madison Co. (MAG); 2/20 May (2 max) Shelby Farms (MLG, VBR). **Painted Bunting:** 10 May (1) Presidents Is (HBD, SSL, VBR); 20 May (3/1) Presidents Is/TEC (MLG, VBR). **Vesper Sparrow:** 4/5 Apr (2 max) Shelby Farms (MLG); 8 Apr (6) TEC (MAG, GCK, ShK, JRW); 13 May (1) Shelby Farms (TMI, RLI, GLI). **Lark Sparrow:** 25 Apr (1) Shelby Farms (JAZ, LVZ). **Savannah Sparrow:** 18 May (1) Shelby Farms (MLG), late Shelby Co. **Grasshopper Sparrow:** 15 Apr (1) Shelby Farms (VBR); 28 Apr/12 May (2) Is 13 Rd (MAG); 10 May (1) Presidents Is (HBD, SSL, VBR); 13 May (5) Presidents Is (GCP, VBR, MGW); 13 May (2) Whites Lake (MAG); 21 May (1) Is 13 Rd. (MTOS). **Lincoln's Sparrow:** 30 Apr (1) Shelby Forest S P (SNM); 2 May (1) TEC (WRP); 12 May (1) Levee Rd, Lake Co. (MAG). **Bobolink:** 26 Apr-2 May (115 max) Shelby Farms (SNM, WRP, MLG, VBR); 28 Apr (1) Black Bayou (MAG); 2 May (1) Mustin Bottoms (VaH); 2 May (2) TEC (WRP); 12 May (2) Is 13 Rd (MAG); 13 May (6) Hatchie NWR (MAG). **Western Meadowlark:** 8 Apr (1) TEC (MAG, GCK, ShK, JRW).

*Locations:* See page 68.

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HIGHLAND RIM & BASIN REGION - *Egret-Owl:* **Snowy Egret:** 6 May (2) Old Hick L (TJW, David McCarroll). **Surf Scoter:** 2/19 Apr (2-3) Radnor L (GAF et al./TJW, m.ob.). **Common Merganser:** 1 Mar (12) Big Sandy Unit, Tenn. NWR, Benton Co (TJW). **Red-breasted Merganser:** 6 May (3) Old Hick L (TJW, David McCarroll). **Peregrine Falcon:** 21 Mar (1 ad) Nashville (Mark Hackney). **Great Black-backed**

**Gull:** 1 Mar (1 first-winter plumage) Paris Landing State Park, Henry Co (TJW).  
**Barn Owl:** Apr-May (nesting pair) Ruth. Co (TJW et al.).

*Flycatcher-Vireo:* **Scissor-tailed Flycatcher:** 29 Apr (1) Ruth. Co (Scott Degenhart).  
**Acadian Flycatcher:** 19 Apr (1) Nashville (MLM), ers. **Northern Rough-winged Swallow:** 18 Mar (2) Radnor L (MLM), ers. **Barn Swallow:** 18 Mar (1) Radnor L (MLM), ers. **Bewick's Wren:** Apr-May (nesting pair) Beasley Rd., Ruth. Co (TJW).  
**Marsh Wren:** 26 Apr (1) Mon Ponds, Maury Co (TJW). **Red-eyed Vireo:** 14 Apr (1) Radnor L (MLM), ers.

*Warbler-Sparrow:* **Blue-winged Warbler:** 16 Apr (1) Radnor L (MLM), ers. **"Lawrence's" Warbler:** 26 Apr (1) Nashville (Jan Alexander). **Orange-crowned Warbler:** 5 Apr (1) Radnor L (Hazel Cassel, Jan Shaw, Phillip Casteel); 12 Apr (1) Murf. (TJW). **Cape May Warbler:** 1-6 May (4) Ruth. Co (TJW). **Black-and-White Warbler:** 26 Mar (1) Radnor L (MLM), ers. **American Redstart:** 28 Mar (1) Nashville (MLM), ers. **Connecticut Warbler:** 10 May (3) Radnor L (TJW); 11-15 May (1) Murf. (TJW). **Mourning Warbler:** 16-18 May (2) Murf. (TJW). **Dickcissel:** 24 May (1) Sumner Co (Ann Tarbell). **Lark Sparrow:** Apr-May (2) Wilson Co (TJW); 8 Apr (1) Nashville (MLM). **Grasshopper Sparrow:** Apr-May (25+) Wilson Co (TJW). **Fox Sparrow:** 29 Apr (2) Ruth. Co (Richard & Wilma Hunter), late.

*Locations:* See page 68.

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**CUMBERLAND PLATEAU/RIDGE & VALLEY REGION:** Following a mild winter, spring was generally mild and dry. The heaviest snowfall of the season came on 8 March, with 3-4 inches accumulating at Johnson City. This was immediately followed by two weeks of clear, 70°F weather (10-15° above normal), which seemed to have more impact on vegetation than on bird migration in the region. April had closer to normal temperatures, but was rather dry. May was a bit cool, wet, and stormy.

Waterfowl mostly departed early (note a couple of exceptions), while shorebirds were found in rather small numbers. A spring hawkwatch at Soddy-Daisy produced modest counts. The passerine flight was also modest. Regional highlights include nesting cormorants in Hawkins County, a lingering White Pelican, and two Mississippi Kites in opposite ends of the region.

*Loon-Nighthawk:* **Common Loon:** 9 May (1) Aus Spr (RLK), lrs. **Pied-billed Grebe:** 3 May (1) Aus Spr (RLK), lrs. **Horned Grebe:** 6 May (1) Chatt (RJH), lrs. **Double-crested Cormorant:** 8 Apr (24) Tennessee River Gorge, Marion Co (TLR); 8 Apr (30+, with 5+ on nests) Holston Army Ammunition Plant, Hawkins Co (Bill Little, JWC et al.); up to 17 present all season at Kpt (RLK); 5 reports of 1-3 at Boone L/Aus Spr thru 3 May (RLK); 13 May (14) Rkn Bot (RLK). **American White Pelican:** the individual reported in Feb lingered throughout the spring and into summer in the Jhn City area (m.ob.). **Least Bittern:** 1 May (1) Bra Lev (KAC). **Great Blue Heron:** 8 Apr (ca. 50 nests) Holston Army Ammunition Plant, Hawkins Co (Bill Little, JWC et al.), present about 4 years, first nesting known northeast of Knoxville. **Great Egret:** 4/9 Apr (1/2) Aus Spr (RLK/TSM, CLS); 8 Apr (2) Baylor L, Hmlt Co (RJH); 14 Apr (1) Bra Lev (RJH); 24 May (1) Conklin, Wash Co (FJA). **Little Blue Heron:** 1-2 May (1) Bra Lev (KAC). **Black-crowned Night-Heron:** up to 10 present all season at Kpt (RLK et al.). **Canada Goose, Wood Duck, and Mallard:** good nesting suc-

cess in northeast Tenn. (m.ob.). **Green-winged Teal:** 8 May (1) Bra Lev (RJH), lrs. **American Wigeon:** 8 May (2) Aus Spr (RLK), lrs. **Hooded Merganser:** 13 May (1) Hmlt Co (fide KAC); 23 May (1) Jhn City (FJA), lrs. **Red-breasted Merganser:** 6 May (1) Nick L, Marion Co (RJH), lrs. **MISSISSIPPI KITE:** 30 Apr (1) Soddy-Daisy (WGH); 19 May (1) Conklin, Wash Co (FJA), first record in northeast Tenn. **Sharp-shinned Hawk:** 4 Mar-30 Apr (29) Soddy-Daisy (WGH). **Cooper's Hawk:** 25 Feb-16 Apr (13) Soddy-Daisy (WGH); 24 Mar-EOP (pair with nest) Aus Spr (RLK et al.). **Red-shouldered Hawk:** 25 Feb-21 Apr (25) Soddy-Daisy (WGH). **Broad-winged Hawk:** 6-30 Apr (142) Soddy-Daisy (WGH); 16 Apr (16) Bristol (LCM). **Red-tailed Hawk:** 25 Feb-18 Apr (110) Soddy-Daisy (WGH). **American Kestrel:** for the third consecutive year, a pair nested in a hole beneath the eave of a two-story farmhouse in Wash Co (RLK). **Peregrine Falcon:** 23 Apr (1) Wash Co (JWB). **Northern Bobwhite:** remain scarce in the Jhn City area (m.ob.). **Virginia Rail:** 29 Mar-19 Apr (1-2) Meadowview Marsh, Kpt (RLK, TSM, CLS); 1-2 May (1) Bra Lev (KAC et al.). **Sora:** 9 Apr (1) Meadowview Marsh, Kpt (TSM, CLS); 25 Apr-8 May (1-6) Bra Lev (WGH, KAC et al.); 21 May (1) Aus Spr (TSM, CLS). **Common Moorhen:** 13 May (1 roadkill) Sale Creek, Hmlt Co (fide KAC). **Greater Yellowlegs:** 22 Mar (1) Bra Lev (RJH), lrs; 14 May (1) Aus Spr (RLK), lrs. **Lesser Yellowlegs:** 13 Mar (5) Bra Lev (KAC), lrs; 13 May (8) Hmlt Co (fide KAC), lrs. **Solitary Sandpiper:** 14 Mar (1) Volunteer Army Ammunition Plant, Hmlt Co (LAW). **Baird's Sandpiper:** 7 May (4) Lst, Wash Co (FJA). **Short-billed Dowitcher:** 13 May (55) Bra Lev (KAC, DFV). **Bonaparte's Gull:** 4 Apr (180) Boone L (RLK). **Forster's Tern:** 9/19 Apr (1) Aus Spr (RLK). **Barn Owl:** nests in Bristol (JWC) & Jhn City (FJA); 10 May (9 pre-flight yg) nest tree felled during storm in Marion Co (Mike Bailey fide Bruce Anderson). **Chimney Swift:** 30 Mar (2) Aus Spr (RLK), lrs. **Ruby-throated Hummingbird:** 1 Apr (1) Chatt (WGH), lrs. **Red-headed Woodpecker:** 4 active nest sites in Wash Co (RLK, FJA). **Horned Lark:** 9 May (1 singing) Wash Co (DEH). **Tree Swallow:** 2+ nests at Holston Army Ammunition Plant, Hawkins Co (JWC, RLK et al.); up to 5 nests at Aus Spr, with single nests at nearby Winged Deer Park & Rocky Mount (RLK, FJA), all nests in nest boxes; 13 May (10) Rkn Bot (RLK). **Northern Rough-winged Swallow:** 19 Mar (2) Fall Creek Falls S. P., Van Buren Co (WGH), lrs. **Cliff Swallow:** 13 May (ca. 200 nests under bridge) Rkn Bot (RLK). **Common Raven:** 27 Apr (1) Boone Dam, Wash Co side (RLK). **House Wren:** 29 Mar (1) Kpt (RLK), lrs. **Sedge Wren:** 26 Mar-15 Apr (1-2) Meadowview Marsh, Kpt (TSM, CLS). **Marsh Wren:** 22 Apr (1) Soddy-Daisy (WGH); 13 May (1) Bra Lev (KAC, DFV); 18 May (2) Aus Spr (FJA). **White-eyed Vireo:** a bird banded in mid Nov 1994 was recaptured 15 Mar at Amnicola Marsh, Hmlt Co (DFV), apparently having overwintered. **Warbling Vireo:** 29 Apr (1) Bowmantown, Wash Co (RLK); 7 May (1) Lst, Wash Co (FJA); 13 May (1) Rkn Bot (RLK); 20 May (3) Kpt (FJA); all appeared to be on territory. **Orange-crowned Warbler:** 15 Mar (1) Chatt (RJH). **Mourning Warbler:** 6 May (1) Chatt (RJH); 29 May (1) Kpt (CLS). **Wilson's Warbler:** 12 May (2) Wash Co (FJA), scarce in spring. **Dickcissel:** 19 May (2) Conklin, Wash Co (FJA). **Vesper Sparrow:** 2 Apr (16) Bristol (JWC), max. **Sharp-tailed Sparrow:** 18 May (1) Aus Spr (FJA), 5th spring record (15th overall) in northeast Tennessee. **Fox Sparrow:** 7 May (1) Aus Spr (TSM), very late. **Bobolink:** 23 Apr (70) Chatt (WGH); 2 May (40) Wash Co (fide Brad Jones).

*Locations:* See page 68.

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EASTERN MOUNTAIN REGION: April was a very dry month, but March and May had above normal precipitation. A flood in the Great Smoky Mountains National Park in late March was labeled the worst in 20 years. Breeding warblers generally arrived on time and in good numbers. Northern finches continued to be scarce.

*Loon-Owl:* **Common Loon:** 14 May (2) Watauga L. (TSM), lrs. **Horned Grebe:** 6 Apr (1) Buffalo Valley (FJA). **Double-crested Cormorant:** 15-20 Apr (1) Watauga R. (RLK, DEH). **Black-crowned Night-Heron:** 12 Apr (1) Roan Cr. (TSM). **Yellow-crowned Night-Heron:** 16 May (1) Sycamore Shoals State Park, Carter Co. (FJA), despite numerous checks, this is the only report at a spot where normally present. **Wood Duck:** 1 Apr (36) Beaver Creek, Johnson Co. (JLS), all in one flock. **Northern Shoveler:** 22 Apr (1) Erwin, Unicoi Co. (JWB). **Redhead:** 17 Mar-20 Apr (6-1) Wilbur L. (RLK, m.ob.). **Greater Scaup:** 4 Mar (1) S. Hol. L. (JWC). **Hooded Merganser:** 14 Apr (1 f) Erwin, Unicoi Co. (RLK). **Ruddy Duck:** 4 Mar (1) S. Hol. L. (JWC). **Bald Eagle:** 1/2/6 Mar (1/1/2) S. Hol. L. (Joe McGinnis, Ace Rowland). **Northern Harrier:** 29 Apr (2) Carter Co. (GOW, CFW), lrs. **Red-tailed Hawk:** 2 Apr (adult on nest) Holston V. (JWC, JLS). **Ring-billed Gull:** 30 May (5) Watauga L. (DEH), lrs. **Herring Gull:** 30 May (1) Watauga L. (DEH), only report, late. **Black-billed Cuckoo:** 11 May (1) Hampton Creek, Roan Mt. (FJA), only report. **Northern Saw-whet Owl:** 7 Apr thru 6 May (nest with 6 eggs, then 6 yg) Roan Mt. (MB); 11 May (second nest with 6 eggs) Roan Mt. (MB); 15 Apr (1 calling) Big Bald Mt. (RM), first record there; 10-12 May (2 calling) Unaka Mt. (MB).

*Flycatcher-Siskin:* **Alder Flycatcher:** 16 May (1) Roan Mt. (FJA), ers. **Tree Swallow:** during May (1 pair nesting) Ripshin L. (FJA). **Common Raven:** 7 Apr (nest with 2-3 yg) Doe River Gorge, Carter Co. (RLK); 16 Apr (11) Roan Mt. (TSM), max; 19 Apr (1) Nolichucky River Gorge, Unicoi Co. (RLK); 13 May (1) Hampton (TSM). **Golden-crowned Kinglet:** 17 May (1 on territory) Limestone Cove, Unicoi Co. (FJA), low elevation. **Golden-winged Warbler:** 22 Apr (1) Bumpas Cove, Unicoi Co. (JWB), ers. **Magnolia Warbler:** Four males present at suspected breeding site on Unaka Mt. (FJA). **Cerulean Warbler:** 21 May (1) Holston Mountain, Sullivan Co. (JWC, Ron Carrico, Rob Biller). **Prothonotary Warbler:** 13 Apr (1) Buffalo Valley (GOW), early arrival record by 2 days. **Wilson's Warbler:** 8 May (1) Limestone Cove, Unicoi Co. (RM). **White-throated Sparrow:** 17 May (1) Hampton (TSM), lrs. **Purple Finch:** 18 Mar (1) S. Hol. L. (RPL), only report. **Red Crossbill:** 7 Apr (10) Roan Mt. (MB). **Pine Siskin:** 9 May (1) Hampton (TSM); small numbers thru season on Roan Mt. (m. ob.).

*Locations:* See page 68.

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OBSERVERS: See page 69.

# THE MIGRANT

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### NOTICE TO RESEARCHERS AND LIBRARIES

Volume 68, Number 1, has preceded this issue. Volume 66, Numbers 1-4, is printed in this single issue, with Volume 67 to follow. Several references in this issue include dates later than the cover date of 1995. The journal is behind schedule and it has been necessary to use material which, in some cases, was submitted and accepted later in the year.

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*The Migrant*, 66 (4) 57-59, 1995.

## AQUATIC BIRDS OF HOLSTON ARMY AMMUNITION PLANT, KINGSPORT, TENNESSEE

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AND

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A floral and faunal survey of Holston Army Ammunition Plant (HAAP) was conducted during 1991-92. This was done in partnership with the Department of Defense (Legacy Program) and the Tennessee Nature Conservancy and was the first such project in the state of Tennessee.

Aquatic birds seen during each field trip were documented. The wetlands of HAAP provided habitat utilized by 17 species, of which two are "deemed in need of management" and one as "threatened" by the Tennessee Wildlife Resources Agency.

### STUDY AREAS

Holston Army Ammunition Plant is shown on Church Hill, TN-VA USGS 7.5 minute quadrangle. Situated primarily in Hawkins County, HAAP is bounded to the south by Holston River Mountain. Elevation of this mountain ranges from approximately 731 to 372 meters at the base. Holston River separates the industrial complex from the magazine area. Elevation at the plant area is approximately 366 meters. Holston Army Ammunition totals 2,436 hectares. Of this total, 1,432 hectares are forest. There are approximately 3.42 kilometers of river running through HAAP. Three islands occur in the river and provide potential rookery habitat. In order of descending area these are Clay Islands (situated in an east-west axis in the river), and Hawkins and Negro Islands (both situated in a north-south axis). Other wetlands at HAAP include some temporary areas, and man-made maintained wetland areas.

Box Elder (*Acer negundo*) dominated the tree layer along the Holston River. The second most important species was slippery elm (*Ulmus rubra*). Other important tree species in descending importance value are sycamore (*Platanus occidentalis*), black locust (*Robinia pseudo-acacia*), green ash (*Fraxinus pennsylvanica*), black walnut (*Juglans nigra*), buckeye (*Aesculus octandra*), and American elm (*Ulmus americana*).

Spicebush (*Lindera benzoin*), Carolina buckthorn (*Rhamnus caroliniana*) and grapevines (*Vitis spp.*) were important shrubs. Black willow (*Salix nigra*) occurs along the river banks and man-made swamps, but did not appear in our sample plots. Stands of cane (*Arundinaria gigantea*) were observed on Clay Islands.

#### METHODS

Dates of survey for the entire HAAP were 6 January 1991 to 18 September 1992. Notes were kept during each visit on bird sightings. River banks and islands were monitored. The bridge to the magazine area provided an excellent viewing platform. River banks were slowly walked and islands, ponds and wetlands were viewed.

#### RESULTS AND DISCUSSION

The Holston River and other wetlands provide important habitat for the HAAP avian community. Seventeen of 60 bird species observed are associated with water. Table 1 lists aquatic birds seen during our study.

A most interesting record is that of the Double-crested Cormorant (*Phalacrocorax auritus*) which is designated as "deemed in need of management" in Tennessee (Alsop 1980). This species was first sighted 17 April 1992 when five individuals were sighted floating on the river at approximately river mile 137 off Solitude Bend. One of these birds was believed to be a juvenile due to the presence of a brownish head and neck. This led us to believe a resident reproducing colony was present. Our belief was strengthened when on 14 May 1992 we observed an individual carrying nest material in its beak.

Two cormorant nests, each with two nestlings, were observed 22 June 1992 on Clay Islands. These nests were found within a nesting colony of Great Blue Herons (*Ardea herodias*). This represents the first documented observation of nesting Double-crested Cormorants in Tennessee since 1955 (Robinson 1990). Figure 1 shows previous county nesting records (dot shaded) and Hawkins County (solid shaded).

Great Blue Herons, also "deemed in need of management" in Tennessee (Alsop 1980), were sighted on every field trip. A rookery consisting of several nests was found on Clay Islands. This colony had nested on the islands in previous years as old nests were observed in January 1991.

On 23 June 1992, an Osprey (*Pandion haliaetus*) nest was found just off HAAP property on Long Island. The nest was situated atop a powerline pylon. No young were sighted, but we did observe a single adult Osprey on four different occasions in the Clay Islands vicinity. Ospreys are considered "endangered" within the state of Tennessee (Alsop 1980).

A single Little Blue Heron (*Egretta caerulea*) was observed on 8 March 1992. Seen only on this one occasion, we suspect this individual was a migrant. Little Blue Herons are of "special concern" in Tennessee (Alsop 1980) and are apparently uncommon in the eastern portion of the state (Robinson 1990).

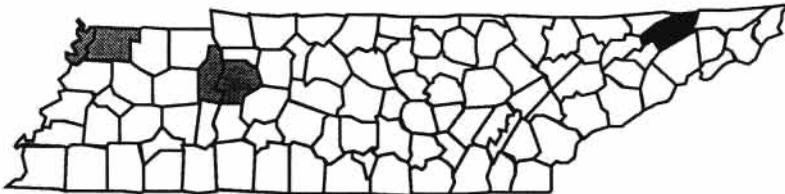
A Greater Yellowlegs (*Tringa melanoleuca*) was sighted on 14 May 1992 wading in one of the man-made black willow swamps. We believe this individual was a late spring migrant as it was sighted only on this occasion.

The Holston River and wetlands within the confines of HAAP serve as a waterfowl refuge as hunting is not allowed. HAAP leases bottomlands to farmers for grain and pasture production. This practice attracts and maintains waterfowl during the autumn, winter and early spring months. Canada Geese (*Branta canadensis*) and eight species of ducks were commonly observed (Table 1).

TABLE 1. List of aquatic birds seen on HAAP  
from 6 January 1991 to 18 September 1992.

Accipitridae	
<i>Pandion haliaetus</i>	Osprey
Alcedinidae	
<i>Ceryle alcyon</i>	Belted Kingfisher
Anatidae	
<i>Aix sponsa</i>	Wood Duck
<i>Anas acuta</i>	Northern Pintail
<i>Anas clypeata</i>	Northern Shoveler
<i>Anas platyrhynchos</i>	Mallard
<i>Anas rubripes</i>	American Black Duck
<i>Anas strepera</i>	Gadwall
<i>Aythya collaris</i>	Ring-neck Duck
<i>Branta canadensis</i>	Canada Goose
<i>Lophodytes cucullatus</i>	Hooded Merganser
Ardeidae	
<i>Ardea herodias</i>	Great Blue Heron
<i>Butorides striatus</i>	Green-backed Heron
<i>Egretta caerulea</i>	Little Blue Heron
Phalacrocoracidae	
<i>Phalacrocorax auritus</i>	Double-crested Cormorant
Rallidae	
<i>Fulica americana</i>	American Coot
Scolopacidae	
<i>Tringa melanoleuca</i>	Greater Yellowlegs

FIGURE 1. Tennessee map showing previously recorded (shaded) and new observation (solid) of Double-crested Cormorant nesting activity.



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## AMERICAN WHITE PELICAN AT SOUTH HOLSTON LAKE

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On 22 December 1991 at 9:00 am I received a telephone call from Wallace Coffey informing me of a possible sighting of an American White Pelican (*Pelecanus erythrorhynchos*) on South Holston Lake in Washington County, Va. The sighting was first reported by Jay Johnson on 21 December 1991. Wallace and I agreed to meet at Darter's Store in Holston Valley at 11:30 am to travel to Mr. Johnson's home and possibly observe this rare bird.

As my wife Lorrie and I traveled north on Highway 421, we came to the cove of South Holston Lake in Sullivan County, Tenn., at the junction of Highway 421 and Friendship Road. Looking down into the cove, as I usually do for water birds, I saw a large white bird standing on the shore. I immediately stopped the car at a pull-off beside the cove. We got out of the car to observe the bird with our binoculars. It was 11:20 am, cloudy, and 35 degrees with a wind speed of 10 mph. The bird was standing approximately 30.48 meters (100 ft.) from us in clear view. The very large-bodied white bird had short orange legs, orange feet, a large orange pouched bill, and black primaries. We watched the bird on the shore for approximately five minutes before it flew directly in front of us within 15 meters (50 ft.). It looked to have a wing span greater than 2 meters (7 ft.). It held its head back as it flew and the black primaries were very visible. Peterson's Field Guide confirmed that the bird was indeed an American White Pelican.

We then proceeded to meet Wallace and Carolyn Coffey and inform them of our find. After we met, we rushed back to the lake, stopping at the bridge to look for the pelican, but with no luck. We went on to the cove where we had first observed the bird, but again no luck. We then traveled to Friendship Boat Dock. There, standing approximately 274 meters (900 ft.) away from us on the shore was the white pelican. We were able to observe the bird for about 15 minutes before it went into the water and began to swim up the cove, ruffling its feathers as it swam. We watched the bird with 7x35 binoculars and a 25x60 spotting scope as it swam out of our view.

After losing sight of the bird, we traveled to the home of Mr. Johnson, but were unable to find the bird that he had reported seeing the previous day. In all probability, the bird that we had been observing that morning was the same one that Mr. Johnson had reported.

Accepted 10 May 1995.

## COMMENSAL FEEDING ASSOCIATIONS WITH FOX SPARROWS

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Commensal feeding associations, where a species benefits from food made available by activity of another and the action is harmless to the provider, occasionally occur (Van Tyne and Berger 1959, Thomson 1964). For instance, Cattle Egrets (*Bubulcus ibis*) regularly feed upon insects flushed by grazing animals. These authors summarize such feeding behavior, and some later examples include Little Blue Heron (*Egretta caerulea*) stalking White Ibis (*Eudocimus albus*) (Kushlan 1978) or feeding with Manatees (*Trichechus latirostris*) (Scott and Powell 1982); Scissor-tailed Flycatchers (*Tyrannus forficatus*) attending Wild Turkeys (*Meleagris gallopavo*) (Baker 1980); and Sanderling (*Calidris alba*) with Laughing Gull (*Larus atricilla*) (Tarbell 1995). Thomson (1964) notes two examples of commensalism with British passerines, and Robbins (1981) reviews many cases but found only three between small passerines, all tropical species. I report commensal associations involving Fox Sparrows (*Passerella iliaca*) with other small ground-feeding passerines in Nashville, Davidson County, Tennessee.

In cold weather my backyard ground-feeding station attracts the usual hungry birds: Northern Cardinal (*Cardinalis cardinalis*), doves, sparrows, finches and others. In the winters of 1969 to 1988, Fox Sparrows were regular and attractive visitors in small numbers (1-12), especially after snow and ice storms and in March when migrating. On a number of occasions I noticed observant cardinals benefiting from the vigorous foraging of these big sparrows.

On 12 and 13 February 1985, with temperatures between minus 3° and minus 9°C, snow and ice encrusted the mixed bird seed on the ground. Among the cardinals assembled, a male bird on the adjacent brush pile continually eyed a foraging Fox Sparrow. The sparrow's exceptionally lusty method of scratching, a hop forward and a jump and kick backward (Brewster 1936) broke through the snow cover and tossed up significant amounts of buried seed. The cardinal flew to the ground and hopped carefully 0.5-1 m behind the sparrow, feeding on the revealed bounty. Because cardinals do not scratch or peck for hidden food, they appear disadvantaged when winter storms cover the ground. The association lasted a few minutes before the sparrow flew to perch, followed by the cardinal. This pattern continued several times, the cardinal keeping careful watch and dropping down to feed behind the foraging bird. At subsequent times in those two days I noted the cardinal-sparrow liaison. Although I could not be sure that it was always the same male cardinal, it appeared to be, as no other bird watched for Fox Sparrows and immediately fed behind as did a male cardinal. This occurred a number of times in snowy winters.

An additional example of this association occurred on a cold, clear day, 17 December 1994 at approximately 1030 hr, when I was on a Christmas Bird Count. On the route was a small building backed by a tangled border. The roof was covered with 5-8 cm of accumulated humus, decayed leaves, and droppings of berries and seeds from two large overhanging hackberry (*Celtis occidentalis*) trees. I observed a Fox Sparrow kick-foraging upon the roof. Quickly a male Northern Cardinal flew

down from a branch and carefully trailed the sparrow, feeding in the overturned detritus. Shortly afterwards the sparrow turned on its follower in an attack position, and both birds flew up to perch. In a few minutes the sparrow dropped to the roof again, followed by the watching cardinal, and both birds fed as before. At this time a Rufous-sided Towhee (*Pipilo erythrophthalmus*) appeared to sense the opportunity; it flew down to the roof and quietly hopped and fed beside the cardinal. The three birds amicably worked over the roof. Two other species, a Dark-eyed Junco (*Junco hyemalis*) and a White-throated Sparrow (*Zonotrichia albicollis*) flew to the roof and pecked a bit but did not join the threesome.

These would be loose commensal associations and demonstrate a certain amount of learning aptitude on the part of the benefiting avian species. They add to the knowledge of commensalism between small passerines.

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Accepted 27 August 1996.

## AGGRESSIVE BEHAVIOR BETWEEN AN ADULT MALE AMERICAN KESTREL AND AN IMMATURE SHARP-SHINNED HAWK

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On 20 October 1993 I arrived at the farm of Dwight Leonard in Jonesborough, Washington County, Tennessee, to continue my field research on Red-tailed Hawks (*Buteo jamaicensis*). Upon arrival at 1150 hours, an American Kestrel (*Falco sparverius*) flew into the woods. After I walked over toward a fenced-in cow pasture where the kestrel had previously been, a Sharp-shinned Hawk (*Accipiter striatus*) appeared from the woods and then disappeared into the woods again. I began to scan the field with 8x40 binoculars when I heard the kestrel and then located the kestrel flying again. Shortly after pinpointing the kestrel, I spotted the Sharp-shin flying close to the kestrel. Unexpectedly, the kestrel began to harass the Sharp-shin. I lost sight of them as they flew into the woods. Again they appeared at the edge of the woods, but higher. The Sharp-shin was higher than the kestrel and continuing to climb, but the kestrel was climbing directly toward the Sharp-shin. When the kestrel came within 3-5 meters, the Sharp-shin folded its wings and swooped at the kestrel. Right before contact, the Sharp-shin pulled up and extended its talons while the kestrel rolled over and extended its talons. I never observed full contact between the birds, but the talons did seem to touch on a few occasions. When the birds were within contact reach, they appeared to use their beaks to strike at the other, but I never saw loose or falling feathers which would suggest solid contact. The Sharp-shin did appear to have the advantage and was able to stay higher than the kestrel except after the Sharp-shin dove. Then the kestrel immediately made efforts to swoop at the Sharp-shin. The birds did this repeatedly for over 45 minutes. However, on one occasion, they flew into the woods and stopped to perch very briefly (no more than a minute). I am not sure whether they lost sight of each other, were hiding, or resting, but they did resume the interactions almost immediately.

A review of the literature revealed that male kestrels are territorial in the winter and not just during the breeding season (Smallwood 1987, 1988; Cade 1955; Saenger 1984). Smallwood (1988) indicated that males were very tenacious in guarding their winter territory. The literature failed to reveal any antagonistic interactions between Sharp-shinned Hawks and male American Kestrels, but my observation suggests that the male kestrel territorial behavior would include other small raptors. There was no report of winter territoriality in Sharp-shins, but a photograph published in *The World of Red-Tailed Hawks* (Austing 1964) showing a Sharp-shin mobbing a Peregrine Falcon (*Falco peregrinus*) during fall migration may suggest territoriality.

### ACKNOWLEDGEMENTS

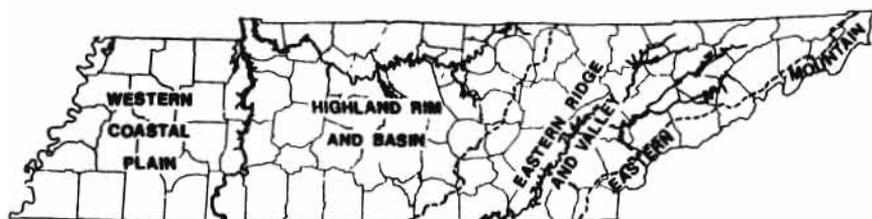
I would like to thank Mr. Leonard and Mr. Rice for the use of their land. I would also like to thank Dr. Nagel and Dr. Alsop for encouragement and constructive criticism of earlier versions of this manuscript.

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## THE SEASON

RICHARD L. KNIGHT, Editor



SUMMER: 1 JUNE - 31 JULY 1995

WESTERN COASTAL PLAIN REGION - *Pelican-Falcon*: **American White Pelican**: 5/10 Jun (4 max) Hwy 79W (WGC); 10-15 Jun (5 max) w Dyer Co. (WGC). **Blue-winged Teal**: 8 Jun (pair) Cottonwood Rd., Dyer Co. (RPF). **Northern Shoveler**: 10 Jun (1 f) TEC (MLG, MGW). **Gadwall**: 18 Jul (1) Hickory Ridge Rd., Lake Co. (MAG), third July record for state. **FERRUGINOUS DUCK**: 16 Jun-4 Jul (1 f) Shelby Farms (\*MLG, m.o.b.), a likely escapee, spent much of its time with the male Lesser Scaup. **Lesser Scaup**: 2 Jun-26 Jun (1 m) Shelby Farms (MLG); 10/15 Jun (1 f) w Dyer Co. (WGC). **Aythya sp.**: 2 Jun-EOP (1) Allen Steam Plant, TVA pond, Shelby Co. (CHB, MLG, DoM, VBR, MGW). **Red-breasted Merganser**: 3 Jul (1 f) Cottonwood Grove, Lake Co. (MAG, JRW). **Least Bittern**: 1-15 Jun (3 max) Kirby Pocket, Rlft L S P (WGC); 3-12 Jul (1) Allen Steam Plant, TVA pond, Shelby Co. (MAG, MGW); 22 Jul (1) Rlft L, Obion Co. (MAG). **Great Blue Heron, Little Blue Heron, and Great Egret** were reported from all river counties. The number of rookeries in west TN has tripled in the last three years according to aerial surveys by TWRA. **Black-crowned Night-Heron**: 1 Jun-3 Jul (3 ad max) w Dyer Co. (MAG, WGC); 3/22 Jul (20) Whites Lake (MAG, JRW). **Yellow-crowned Night-Heron**: 25 Jun (1 ad) Walnut Log (WGC); 3/22 Jul (1) Whites Lake (MAG, JRW); 6 Jul (1) e Memphis (GCP); 18 Jul (1) TEC (CHB, VBR). **Turkey Vulture**: 15/23 Jun (1) Shelby Farms (MLG, DoM, SNM, WRP, VBR, MGW). **Osprey**: 5 Jun-EOP (3 nests with yg) Rlft L S P (WGC). **Mississippi Kite**: 18 Jul (35) Black Bayou (MAG). Reports from all areas of Shelby Co. in addition to nests reported in residential areas (OKM). Kites also reported from Lauderdale, Dyer, Lake and Henry Cos. **Bald Eagle**: 1 Jun (nest, 2 yg) Lake Isom (WGC); 15 Jun (2 yg) #9 Lake (WGC); 27 Jun (1 im) Moss Island NWR (DDP, Polly Rooker). **Northern Harrier**: 15 Jun (1) Hwy 104 w (WGC), first Dyer Co. summer record. **Broad-winged Hawk**: 28 Jun (1 nest, 3 yg) ne Shelby (OKM). **Cooper's Hawk**: 22 Jul (1) TEC (MAG, JRW). **Peregrine Falcon**: 27 Jun (1 ad) Moss Island NWR (DDP, Polly Rooker).

*Rail-Owl*: **King Rail**: 8 Jun (3) Tigrett WMA (RPF); 4 July (1 ad, 1 yg) Black Bayou WMA (WGC); 30 Jul (1) Allen Steam Plant, TVA pond, Shelby Co. (MLG, VBR). **Common Moorhen**: 1 Jun-25 Jun (1) Kirby Pocket, Rlft L & (3) Walnut Log (WGC); 22 Jul (17 ad, 5 yg) Walnut Log (MAG, JRW). **American Coot**: 10 Jun-EOP (3) TVA Fossil Steam Plant (CHB, MLG, VBR, MGW). **Black-bellied Plover**: 10 Jun (2) Is 13 (WGC); 27 Jul (1) TEC (CHB, VBR, MGW). **American Golden-Plover**: 19/28 Jun (4 max) Is 13 (WGC); 18 Jul (1) Hwy 79, Lake Co. (MAG). **Semipalmated Plover**: 1

Jun-22 Jul (13 max) Phillipy (MAG, WGC); 22 Jul (1) TEC ( CHB, VBR, MGW). **Black-necked Stilt:** 6 Jun-EOP (53 ad, 6 yg, 12 nests) TEC; 10/29 Jun (5 max) Hwy 79W/Phillippy (WGC). **American Avocet:** 25 July (2) Phillipy (Nancy Moore), early west TN. **Greater Yellowlegs:** 3 Jun (1) Watershed Lake, Obion Co. (WRP); 24/25 Jun (1) Is 13 (WGC), late spring or early fall migrant? 18 Jul (8) Phillipy (MAG). **Lesser Yellowlegs:** 25/29 Jun -4 Jul (6 max) w Lake Co. (WGC); 2 Jul-EOP (14) TEC; 18/22 Jul (36 max) Phillipy (MAG). **Solitary Sandpiper:** 10 Jun (1) Presidents Is (MLG, MGW), late state record; 9-22 Jul (5 max) Phillipy (MAG, WGC); 2 Jul-EOP (10 max) TEC. Willet: 29 Jun (1) Is 13 (WGC), early fall migrant? **Spotted Sandpiper:** 12 Jul-EOP (7 max) TEC; 13-31 Jul (2 max) Shelby Farms (MLG). **MARBLED GODWIT:** 24 Jun (1) Is 13 (WGC), first June date for state. Previous records mostly during August, very rare in spring or early summer. **Semipalmated Sandpiper:** 1-6 Jun Shelby Farms (MLG); 10 Jun/27 Jul (1/69) TEC; 9-18 Jul (100 max) Phillipy (MAG, WGC). **Western Sandpiper:** 13-22 Jul (16 max) w Lake Co. (MAG, WGC). **Least Sandpiper:** 12 Jul-EOP (558 max) TEC; 9 Jul (9/25) w Dyer Co./Phillippy (WGC); 18/22 Jul (400 max) w Lake Co. (MAG). **White-rumped Sandpiper:** 1-3 Jun/21 Jul (8 max) Shelby Farms (MLG); 5/19 Jun (9/1) Phillipy/w Dyer Co. (WGC), late west TN; 3-10 Jun (13 max) TEC (MAG, MLG, MGW). **Pectoral Sandpiper:** 15 Jun (1) Phillipy (WGC); 16 Jun (1) Shelby Farms (MLG), late Shelby Co.; 12 Jul-EOP (140 max) TEC. **Stilt Sandpiper:** 9/22 Jul (14 max) Phillipy (WGC, MAG). **Short-billed Dowitcher:** 29 Jun (1) Is 13 (WGC), first June date for state; 22 Jul (1) TEC (MAG). **Long-billed Dowitcher:** 18/22 Jul (3 max, identified by call) Hwy 79, Lake Co. (MAG), early west TN. Red-necked Phalarope: 22 Jul (1) TEC (MAG). **Caspian Tern:** 1/10 Jun (2/1) Hwy 79W/Is 13 Rd. (WGC); 10 Jun-EOP (2) TVA Fossil Steam Plant (CHB, MLG, VBR, MGW); 27 Jun (1) Moss Island NWR (DDP, Polly Rooker). **Forster's Tern:** 11 Jul (1 ad) Shelby Farms (MLG). **Black Tern:** 1 Jun-29 Jun (2) two locations, Lake Co. (WGC); 2 Jun/ 21 Jul (1) Shelby Farms (MLG); 22 Jul (1) TEC (MAG). **Sterna sp.:** 29 Jun (4) Is 13 (WGC). **Yellow-billed Cuckoo:** 7 Jun (25+) Tigrett WMA (RPF). **Barn Owl:** 6 Jul (1 ad) Williston, Fayette Co. (OKM).

**Martin-Cowbird:** **Purple Martin:** 27 Jun (350) Moss Island NWR (DDP, Polly Rooker). **Tree Swallow:** 1 Jun (2) Hwy 79W/Phillippy (WGC); 3 Jun (2) MLK Park (MAG, JRW); 4 Jun (2) Is 13 levee (WRP). **Rough-winged Swallow:** 2-28 Jun (5 max) Shelby Farms (MLG). **Bank Swallow:** 3 Jun (2) Presidents Is (MAG, JRW); 26-28 Jun/6 Jul (1) Shelby Farms (MLG, VBR, MGW); 22 Jul (1) TEC (CHB, VBR). **Cliff Swallow:** 24 Jun (100+ nests) Pickwick Bridge, Hardin Co. (MAG); 27 Jul (4) TEC (CHB, VBR, MGW). **Willow Flycatcher:** 22 Jul (1) Kirby Pocket, Rlft L (MAG, JRW). **WESTERN KINGBIRD:** 2-9 Jul (2-5) Presidents Is (MAG, m.o.b.). **SCISSOR-TAILED FLYCATCHER:** 20 Jun (1) Pickwick S P (Catherine Embury). **Sedge Wren:** 30 Jul (1) Hatchie NWR (MAG). **Yellow Warbler:** 3 Jun (1) Kiwanis Park, Rlft L (WRP). **Scarlet Tanager:** 24 Jun (2) Firetower Road, Hardin Co. (MAG); 27 Jun (pair) Moss Island NWR (DDP, Polly Rooker). **Painted Bunting:** 27 Jul-EOP (4 pair) Presidents Is (CHB, MLG, SNM, VBR, MGW). **Bachman's Sparrow:** 24 Jun (1) Pleasant Ridge Rd., Chester Co. (MAG). **Grasshopper Sparrow:** 7 Jul-EOP (6) President's Is (CHB, MLG, GCP, VBR, MGW); 4 Jun (1) 1/2 mi north of Lake Isom (WRP). **Song Sparrow:** 4 Jun-EOP (1) Is 13 levee (WRP); 10 Jun-EOP (2 pair) TEC (CHB, MLG, VBR, MGW); 11 Jun-EOP (1) Black Slough WMA (WGC). **SHINY COWBIRD:** 6 Jul-21 Jul (1 m) President's Is (\*MLG, MGW, Wallace Wilburn, m.o.b.), first record for state.

*Locations:* See page 68.

MARTHA G. WALDRON, 1626 Yorkshire Dr., Memphis, TN 38119

CUMBERLAND PLATEAU/RIDGE & VALLEY REGION: Precipitation during both months was slightly below normal. July was hotter than usual.

**American White Pelican:** individual lingering since Feb remained at Jhn City thru the season (m.ob.). **Great Egret:** 6 Jun (11) Sugar Creek, Meigs Co (KAC). **Little Blue Heron:** 28 Jun (6 im) Amn Marsh (KAC); 15 Jul (11 im) Baylor L, Hmlt Co (WGH). **Cattle Egret:** 24 Jun (1) Hmlt Co (KAC). **Black-crowned Night-Heron:** 1-8 Jun (5-9) Patrick Henry L, Sullivan Co (RLK); 24 Jul (4) Ktn Stm P (Roane Co (KAC). **Hooded Merganser:** 3 Jul (2 im) Amn Marsh (KAC). **Sharp-shinned Hawk:** 3 Jul (1) Volunteer Army Ammunition Plant, Hmlt Co (LAW). **Cooper's Hawk:** 24 Jul (1) Amn Marsh (KAC); 25 Jul (1) Volunteer Army Ammunition Plant, Hmlt Co (LAW). **American Coot:** 4 Jun (1) Aus Spr, Wash Co (RLK); 30 Jun (1) Nick L, Marion Co (DFV). **Semipalmated Plover:** 9 Jun (1) Amn Marsh (KAC), very late. **Greater Yellowlegs:** 24 Jul (1) Amn Marsh (KAC), ers. **Lesser Yellowlegs:** 18 Jul (1) Amn Marsh (DFV), ers. **Solitary Sandpiper:** 18 Jul (1) Amn Marsh (DFV), ers. **Semipalmated Sandpiper:** 24 Jul (1) Amn Marsh (KAC), ers. **Least Sandpiper:** 19 Jul (1) Amn Marsh (KAC, DFV), ers. **Caspian Tern:** 7 Jul (1) Nick L, Marion Co (KAC). **Black Tern:** 31 Jul (1) Lst, Wash Co (JWB). **Eurasian Collared-Dove:** 28 Jul (1) Chatt (Clyde Blum), present in neighborhood where discovered last fall. **Barn Owl:** present at usual Jhn City site (m.ob.). **Willow Flycatcher:** 4 Jun (1) Morgan Co (SJS). **Tree Swallow:** 8 Jun (2) Prentice Cooper WMA, Hmlt Co (KAC). **Winter Wren:** 4 Jun (1 singing) Frz Hd (SJS, RGE), at exact same site as last year. **Solitary Vireo:** 8 Jul (2 singing) near Virgin Falls, White Co (SJS, BHS, Thomas Saya). **Blue-winged Warbler:** 10 Jun (1) Oliver Springs BBS route, Morgan Co (SJS). **Black-throated Blue Warbler:** 4-5 Jun (3/2 singing) Frz Hd (SJS, RGE). **Blackburnian Warbler:** 4 Jun (6 singing) Frz Hd (SJS, RGE). **Cerulean Warbler:** 4-5 Jun (87/69 singing) Frz Hd (SJS, RGE), on 16 miles of trail; 24 Jun (1) Tennessee River Gorge, Hmlt Co (KAC). **American Redstart:** 4-5 Jun (81/52 singing) Frz Hd (SJS, RGE). **Swainson's Warbler:** 10 Jun (1) Polk Co (TLR); 21 Jun (1) Big South Fork, Scott Co (SJS, BHS), about 1 mile north of Angel Falls. **Canada Warbler:** 4-5 Jun (4/2 singing) Frz Hd (SJS, RGE). **Savannah Sparrow:** 13 Jun (1) Conklin, Wash Co (FJA).

*Locations:* See page 68.

RICHARD L. KNIGHT, 804 North Hills Drive, Johnson City, TN 37604

EASTERN MOUNTAIN REGION: Great Egrets arrived early and stayed all summer into the fall. There were several good summer records for Roan Mountain including Brown Creeper, Hermit Thrush, Red Crossbill, and Pine Siskin.

*Egret-Owl:* **Great Egret:** 28 Jun thru EOP (2) Eliz. (GOW); 28 Jun thru EOP (1-2) S. Hol. L. (RPL). **Yellow-crowned Night-Heron:** early Jul (1) Eliz. (GOW), only report. **Bald Eagle:** 15 Jun (1 ad) S. Hol. L. (fide RLK). **Sharp-shinned Hawk:** 22 Jul (1) Chinquapin Grove, Sullivan Co. (RPL). **Northern Saw-whet Owl:** 7 Jun (2) Unaka Mt. (MB).

*Flycatcher-Siskin:* **Alder Flycatcher:** the usual 2 pairs at Carver's Gap, Roan Mt. (RLK). **Tree Swallow:** 11 Jun (1) Roan Mt. village (RLK). **Common Raven:** 8 Jun (1) Hampton (TSM); 11 Jun (2) Walnut Mountain, Carter Co. (RLK); 22 Jun (3) S. Hol. L. (RLK). **Brown Creeper:** 9 Jun (3 singing) Roan Mt. (RLK). **Hermit Thrush:** 9 Jun (3 singing) Roan Mt. (RLK). **Magnolia Warbler:** early Jun (4) Unaka Mt. (FJA). **American Redstart:** 9 Jun (2) Roan Mt. (RLK); 11 Jun (1) Walnut Mountain, Carter

Co. (RLK). **Vesper Sparrow:** 15 Jun (2) Round Bald, Roan Mt. (Dee Eiklor). **Savannah Sparrow:** 6 Jun (1 singing) Doe Valley, Johnson Co. (RLK), present at this site for several consecutive summers. **Red Crossbill:** 9-10 Jun (26/15) Roan Mt. (RLK); 15 Jun (25) Roan Mt. (Dee Eiklor). **Pine Siskin:** 9-10 Jun (6-14) Roan Mt. (RLK).

*Locations:* See below.

RICHARD P. LEWIS, 407 V.I. Ranch Road, Bristol, TN 37620

OBSERVERS: See page 69.

#### LOCATIONS

WESTERN COASTAL PLAIN REGION: #9 Lake, just north of TN/KY line; Big Hill Pond-Big Hill Pond State Natural Area, McNairy; Big Sandy-Big Sandy Unit, Tennessee National Wildlife Refuge, Henry Co.; Black Bayou-Black Bayou, Lake Co.; Britton Ford-Britton Ford, Henry Co.; Burnt Wds-Burnt Woods, Reelfoot Lake, Lake Co.; Cates-Cates, Lake Co.; Chickasaw NWR-Chickasaw National Wildlife Refuge, Lauderdale Co.; Cypress Grove-Cypress Grove, Madison Co.; Fort Pillow S P-Fort Pillow State Park, Lauderdale Co.; Gr River Rd-Great River Road, Dyer Co.; Hatchie NWR-Hatchie National Wildlife Refuge, Haywood Co.; Heloise-Heloise, Dyer Co.; Humbolt Marsh-Humbolt Marsh, Gibson Co.; Is 9-Island 9, north of Cates, Lake Co.; Is. 13-Island 13 Lake Co.; Keely Bottoms-Keely Bottoms, Gibson Co.; Lake Isom-Lake Isom, Lake Co.; Lauderdale WMA-Lauderdale Waterfowl Management Area, Lauderdale Co.; Long Point-Long Point, Reelfoot Lake, Lake Co.; MLK Park-Martin Luther King Park, Shelby Co.; Memphis-Memphis, Shelby Co.; Moss Island-Moss Island State Waterfowl Refuge, Dyer Co.; Mustin Bottoms-Mustin Bottoms, Shelby Co.; Overton Prk-Overton Park, Memphis, Shelby Co.; Pace Point-Pace Point, Benton Co.; Paris Landing S P-Paris Landing State Park, Henry Co.; Phillipy-Phillippy, Lake Co.; Pickwick S P-Pickwick State Park, Hardin Co.; President's Is.-President's Island, Shelby Co.; Rlft L-Reelfoot Lake, Lake and Obion Cos.; Rlft L NWR-Reelfoot Lake National Wildlife Refuge, Obion Co.; Rlft L S P-Reelfoot Lake State Park, Lake Co.; Samburg-Samburg, Obion Co.; Shelby Farms-Shelby Farms (formerly Penal Farm, Shelby Co.; Shelby Forest S P-Shelby Forest State Park, Shelby Co.; TEC-The Earth Complex, Shelby Co.; Tigrett WMA-Tigrett Wildlife Management Area, Dyer Co.; TNWR-Tennessee National Wildlife Refuge, Henry and Benton Cos.; Walnut Log-Walnut Log, Reelfoot Lake, Obion Co. Whites Lake-Whites Lake Wildlife Management Area, Dyer Co.; MARTHA G. WALDRON, 1626 Yorkshire Dr., Memphis, TN 38119

HIGHLAND RIM AND BASIN REGION: AEDC-Arnold Engineering Development Center, Coffee Co.; ARRA-Anderson Road Recreation Area, Davidson Co.; Burgess Falls-Burgess Falls State Natural Area, Putnam Co.; Cane Cr P-Cane Creek Park, Putnam Co.; Center Hill L-Center Hill Lake, DeKalb Co.; Cross Cr-Cross Creeks NWR, Stewart Co.; Duck River-Duck River Unit, Tenn NWR, Humphreys Co.; Gal Stm P-Gallatin Steam Plant, Sumner Co.; Mon Ponds-Monsanto Ponds, Maury Co.; Murf.-Murfreesboro, Rutherford Co.; Old Hick L-Old Hickory Lake, Sumner Co.; Radnor L-Radnor Lake State Natural Area, Davidson Co.; Rk Is St P-Rock Island State Park, Warren Co.; Ruth. Co-Rutherford Co.; Shelby Bottom-Shelby Bottom, Davidson Co.; Woods Res.-Woods Reservoir, Franklin Co.; TERRY J. WITT, 507 Highland Terrace, Murfreesboro, TN 37130

CUMBERLAND PLATEAU/RIDGE AND VALLEY REGION: Amn Marsh-Amnicola Marsh, Hamilton Co.; Aus Spr-Austin Springs, Washington Co.; Boone L-Boone Lake, Sullivan & Washington Cos; Bra Lev-Brainerd Levee, Hamilton Co.; Chatt-Chattanooga; Chick L-Chickamauga L, Hamilton Co. portion; Frz Hd-Frozen Head State Natural Area, Morgan Co.; Hmlt Co-Hamilton Co.; Hws R area-Hiwassee River area, primarily Meigs Co., but also Bradley, McMinn & Rhea Cos.; Jhn City-Johnson City; Kpt-Kingsport; Ktn Stm P-Kingston Steam Plant, Roane Co.; Lst-Limestone, Washington Co.; Nick L-Nickajack Lake, Marion Co.; Nol Wat Sct-Nolichucky Waterfowl Sanctuary, Greene Co.; Rkn Bot-Rankin Bottoms, Cocke Co.; Soddy Mtn-Soddy Mountain, Hamilton Co.; Wash Co-Washington Co.; RICHARD L. KNIGHT, 804 North Hills Drive, Johnson City, TN 37604

EASTERN MOUNTAIN REGION: Big Bald Mt.-Big Bald Mountain, Unicoi Co.; Buffalo Valley-Buffalo Valley Golf Course, Unicoi Co.; Eliz.-Elizabethton, Carter Co.; Hampton-Hampton, Carter Co.; Holston V.-Holston Valley, east Sullivan Co.; Hunter-Hunter, Carter Co.; Ripshin L.-Ripshin Lake, Carter Co.; Roan Cr.-Roan Creek, Johnson Co.; Roan Mt.-Roan Mountain, Carter Co.; Roan Mt. S. P.-Roan Mountain State Park, Carter Co.; S. Hol. L.-South Holston Lake, Sullivan Co.; Unaka Mt.-Unaka Mountain, Unicoi Co.; Watauga L.-Watauga Lake, Carter Co.; Watauga R.-Watauga River, Carter Co.; Wilbur L.-Wilbur Lake, Carter Co.; RICHARD P. LEWIS, 407 V.I. Ranch Road, Bristol, TN 37620

#### ABBREVIATIONS

<i>ad</i> - adult	<i>lrs</i> - latest reported sighting
<i>b</i> - banded	<i>max</i> - maximum one day count
<i>co.</i> - county	<i>m.ob.</i> - many observers
<i>CBC</i> - Christmas Bird Count	<i>Res.</i> - Reservoir
<i>EOP</i> - end of period	<i>WMA</i> - Wildlife Management Area
<i>ers</i> - earliest reported sighting	<i>yg</i> - young
<i>fide</i> - reported by	<i>*</i> - documentation submitted
<i>im</i> - immature	

#### OBSERVERS

FJA - Fred J. Alsop	WGC - William G. Criswell
CJA - Cathy J. Alsop	BLC - Brian L. Cross
MB - Mark Barb	DLD - Don L. Davidson
GBB - Gilbert B. Beaver	HBD - Helen B. Dinkelspiel
JWB - James W. Brooks	KHD - Kenneth H. Dubke
RLB - Robert L. Browne	LHD - Lillian H. Dubke
CHB - Carolyn H. Bullock	DRD - D. Rusty Dunn
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EMC - Eileen M. Cartwright	SCF - Sue C. Ferguson
LCC - Lula C. Coffey	RPF - Robert P. Ford
JWC - J. Wallace Coffey	GAF - Gilbert A. Foster

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MAG - Mark A. Greene	GRP - George R. Payne
KHG - Kate H. Gooch	JBP - Jeanne B. Payne
MLG - Murray L. Gardler	RWP - Robert W. Peeples
WGH - William G. Haley	WRP - William R. Peeples
VaH - Van Harris	GCP - Gaynell Perry
RJH - R. John Henderson	DDP - Dick D. Preston
RDH - Ron D. Hoff	DFP - Don F. Preston
JBH - James B. Holt	DP - Dorothy Preston
MaH - Martha Heineman	BTP - Barbara T. Priddy
DEH - Dan E. Huffine	FCP - Forrest C. Priddy
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OKM - O. Knox Martin	GOW - Gary O. Wallace
GRM - George R. Mayfield, Jr.	CFW - C. Frank Ward
RM - Rad Mayfield	DLW - Dick L. Whittington
LCM - Larry C. McDaniel	BHW - Barbara H. Wilson
BGM - Barbara G. McMahan	JRW - Jeff R. Wilson
TSM - Thomas S. McNeil	ROW - Richard O. Wilson
MMcW - Mac McWhirter	TJW - Terry J. Witt
NPM - N. P. McWhirter	RLW - R. L. "Pete" Wyatt
SNM - Susan N. McWhirter	JAZ - John A. Zempel
DHM - Don H. Miller	LVZ - Linda V. Zempel
JPM - Joyce Morrison	JTOS - Jackson Chapter, TOS
DoM - Dolly Ann Myers	MTOS - Memphis Chapter, TOS

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Volume 66, Numbers 1-4, is printed in this single issue, with Volume 67 to follow. Volume 68, Number 1, has preceded this issue. Several references in this issue include dates later than the cover date of 1995. The journal is behind schedule and it has been necessary to use material which, in some cases, was submitted and accepted later in the year.

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