

the immature bird had 3179 feathers. Comparing the two summer birds with the three mid-winter birds, it is noted that a loss of 11.5 per cent has taken place. A gradual seasonal change is indicated by the November and March specimens.—ARTHUR E. STAEBLER, *Museum of Zoology, University of Michigan, Ann Arbor, Michigan.*

Does the Southern Hairy Woodpecker Occur in Oklahoma?—The Hairy Woodpecker, *Dryobates villosus*, occurs throughout Oklahoma save in the treeless "Dust Bowl" section. In the extreme northwestern Panhandle (the Black Mesa country) it is represented by a western race, probably *D. v. monticola* Anthony. (Two specimens taken near Kenton, Cimarron County appear to be intermediate between *monticola* and *leucothorectis*. See G. M. Sutton, *Annals Carnegie Museum*, 24, 1934:23). Here it inhabits the juniper- and pinyon-sprinkled mountainsides, rarely, if ever, descending to the cottonwoods of the bottomlands.

So effective a barrier is the treeless Panhandle plain that the species has nowhere invaded the Black Mesa country *from the east*, hence there is no zone of intergradation between *monticola* and any eastern subspecies. But throughout the main body of the state, to the very edge of the Dust Bowl, the Hairy Woodpecker is to be found. The senior author has encountered it repeatedly in Greer, Beckham, Roger Mills, Ellis, and Harper counties, and he is convinced that it ranges westward and southward wherever there is good tree-growth to and across the Texas state line.

Now to what race the Hairy Woodpeckers of the main body of the state belong? Mrs. Nice, in her useful "Birds of Oklahoma" (*Publ. Univ. Okla. Biol. Surv.*, 3, No. 1, 1931) lists two subspecies, *D. v. villosus*, "the breeding form of central Oklahoma"; and *D. v. audubonii*, a "resident in eastern Oklahoma."

During the course of the senior author's investigation of Oklahoma birdlife in 1936 and 1937 five Hairy Woodpeckers (four adult males and one juvenile male) were collected in the main body of the state. All these prove to be *villosus*. Not one of them tends to be small or dark. The most significant individual of the series, an adult from Broken Bow, McCurtain County, in the extreme southeastern corner of the State, is large even for *villosus*, the wing measuring 121 mm. (Ridgway's average for twenty-five male *villosus* is 120.4), and the bill 32.5 (the extreme in Ridgway's series is 33). Among eighteen adult male *villosus* in the Cornell University collection (from New York, New Jersey, and western Virginia) only one is as long-billed as this McCurtain County bird.

Determined to ascertain whether *audubonii* has actually ever been taken in Oklahoma, the authors borrowed from the University of Oklahoma Museum of Zoology their entire series of *Dryobates villosus*, six specimens, four of them adults, and all but one with data. The only bird in the lot marked *audubonii*, a young male taken July 1, 1923, in McCurtain County, is subspecifically unidentifiable. It is blunter-billed than the adult male from the same region, of course—that is to be expected in so young a bird. The only other specimen in the series that might conceivably be called *audubonii* is a smallish, short-billed female wholly without data. Among the comparative material at hand are four fresh topotypical *D. v. audubonii*, collected by Mr. Herbert L. Stoddard in the Thomasville region of Georgia.

As a result of finding (a) that the only breeding McCurtain County specimen available is *villosus* and (b) that the McCurtain County *audubonii* specimen listed by Mrs. Nice is a racially unidentifiable young bird, the authors are forced

to conclude that *Dryobates villosus audubonii* has not yet actually been taken in Oklahoma and that it therefore has no right on that state's list of birds at present.

Measurements, in millimeters, of Oklahoma

Dryobates villosus:

MALES						
Number	Age	County	Culmen	Wing	Tail	
C. U. 6436	Adult	Ellis	32	122	69	
C. U. 6437	Juv.	Ellis	28	114	70	
C. U. 6438	Adult	Noble	33	118	60 (worn)	
C. U. 6440	Adult	Murray	32	118	67	
C. U. 6439	Adult	McCurtain	32.5	121	72	
U. O. M. Z. 5704	Juv.	McCurtain	30	118	66	
U. O. M. Z. 3279	Juv.	Pottawatomie	26.5	115	65	
U. O. M. Z. 5502	Adult	Cleveland	34	116	72	
FEMALES						
U. O. M. Z. 5500	Adult	Cleveland	30	119	73	
U. O. M. Z. 5507	Juv. (?)	Cleveland	29	116	69	

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