

**Red-headed Woodpeckers Defend Occupied American Kestrel Nest.**—Near Columbia, Missouri we found a large squarish hole 24 m above ground level in a large pine power-pole, probably excavated by a Pileated Woodpecker (*Dryocopus pileatus*). The hole was just below the cross arm and had been used 3 successive years by a pair of nesting American Kestrels (*Falco sparverius*). In 1982, the kestrels laid a clutch between 29 March and 3 April. These eggs hatched during the last 3 days of April.

On 7 May at 09:45 the female kestrel was seen at the nest with a vole (*Microtus ochrogaster*). She left after feeding the nestlings, which were approximately 10 days old. At 10:02 a Red-headed Woodpecker (*Melanerpes erythrocephalus*) flew to the nest cavity and peered inside. The male kestrel then stooped on and pursued the woodpecker which eluded it by flying low into the nearby woodlot.

On 9 May at 13:20 a Red-headed Woodpecker was seen perched on the pole just below the hole for 3 min. This bird twice chased other Red-headed Woodpeckers when they landed on the pole, each time returning to the kestrel nest hole and peering inside. It was then displaced by the female kestrel.

On 15 May at 14:00 a pair of Red-headed Woodpeckers perched just beneath the kestrel hole. At 14:05 one of this pair chased a Common Flicker (*Colaptes auratus*) that passed nearby. The Red-headed Woodpecker returned to the pole immediately. This pair of woodpeckers remained on the pole for 6 min and periodically peered into the nest hole. At 14:11 these woodpeckers chased a conspecific pair from the area. The female kestrel then chased both woodpeckers from the area.

During 9 h of observation, from 20 to 22 May, a woodpecker pair was seen at the kestrel nest cavity continuously. During that time they chased other Red-headed Woodpeckers 9 times, Common Flickers twice, and a Hairy Woodpecker (*Picoides villosus*) once. The female kestrel arrived twice with voles and displaced the woodpeckers. On all occasions the woodpeckers returned to the pole immediately after the kestrel departed.

Between 22 and 27 May the nest hole was observed for 18 h during which the young kestrels periodically perched in the cavity opening, peering outside. The woodpeckers perched just below the hole during these periods and moved up to the hole when the young kestrels moved back down in the nest cavity. During this 5-day period the Red-headed Woodpeckers chased conspecifics 20 times, Common Flickers 5 times, and Hairy Woodpeckers once. They in turn were displaced by the kestrels 15 times. One attack by the female kestrel was particularly aggressive; the falcon struck the woodpecker hard enough to dislodge several contour feathers.

On 27 May, 3 kestrels (2 male, 1 female) fledged from the nest cavity and later flew to a woodlot 25 m distant. The next day they were seen 200 m away in the powerline corridor. The Red-headed Woodpeckers were observed entering the kestrel nest cavity for the first time at 08:45 on 27 May, and subsequently nested therein.

We have found no previous records of kestrels tolerating a nest competitor which was actively defending the same nest site or of Red-headed Woodpeckers defending a nest pole in use by kestrels.—BRIAN TOLAND AND WILLIAM H. ELDER, *School of Forestry, Fisheries and Wildlife, University of Missouri, Columbia, Missouri 54211*. Received 1 Aug. 1983; accepted 14 Feb. 1984.

**Intraspecific Nest Parasitism in Willow Ptarmigan.**—Intraspecific nest parasitism (females laying eggs in nests of conspecifics) is apparently rare among galliformes and has not been reported in ptarmigan. However, opportunities for observing this behavior in these species are restricted because it is difficult to distinguish between eggs from different individuals. In addition, ptarmigan nests are difficult to find during the laying period because of their sparse distribution, the covering of eggs with debris, and the secretive behavior of hens. Here, I report observations of intraspecific nest parasitism by Willow Ptarmigan (*Lagopus lagopus*) at La Perouse Bay, on west coast Hudson Bay, Manitoba, Canada (58°24'N, 94°24'W).

During the study, Willow Ptarmigan laid 1 egg per day, occasionally skipping a day