## RECORDS OF AMERICAN WIGEON BREEDING IN ARIZONA

LINDEN A. PIEST and LYLE K. SOWLS, Arizona Cooperative Wildlife Research Unit, University of Arizona, Tucson, Arizona 85721

For a long time the American Wigeon (Anas americana) has been known to be a common migrant and winter resident in Arizona. Evidence of wigeons breeding in the state, however, has been inconclusive. Although they are occasionally observed during summer in the high-elevation lakes of eastern and northern Arizona, we can find no reference to prove that wigeons nest there. Mearns (1890) shot "a number" at Mormon Lake (Coconino County) in late May 1887, and believed they were breeding there, although he found no nests. Phillips et al. (1964) wrote that the only recent breeding record was for Ashurst Lake (Coconino County) in 1929. No details were provided to verify these statements. Probably as a result of these records, Bent (1923) considered the wigeon to be "probably breeding" in northern Arizona and the AOU (1957) listed it as a rare breeder in northern Arizona. These records, and observations of wigeons breeding in New Mexico (Huey and Travis 1961, Ligon 1961), leave little doubt that they have bred in Arizona but breeding has been poorly documented due to limited waterfowl investigations in this state.

Our observations of wigeons in the White Mountains of east-central Arizona (Apache County) during the summer of 1979 confirm that they breed in Arizona. On 16 June at 1600 we observed three pairs of apparently territorial wigeons at Nutrioso Reservoir (elev. 2,338 m). At 0630 the following day, two pairs and two lone males were present. We suspected that the mate of at least one of the lone males was on her nest at that time. On 22 July, Piest observed two wigeon broods on Nutrioso Reservoir: one with seven young about 16 days old and one with five young about 4 days old. In addition to these observations, Piest saw a brood of five wigeons approximately 23 days old at Sunrise Lake (elev. 2,785 m) on 17 August.

## LITERATURE CITED

- American Ornithologists' Union. 1957. Check-list of North American birds. Fifth ed. Am. Ornithol. Union, Baltimore, MD.
- Bent, A.C. 1923. Life histories of North American wild fowl, part 1. U.S. Natl. Mus. Bull. 126.
- Huey, W.S. and J.R. Travis. 1961. Burford Lake, New Mexico, revisited. Auk 78:607-626.
- Ligon, J.S. 1961. New Mexico birds and where to find them. Univ. New Mexico Press, Albuquerque.
- Mearns, E.A. 1890. Observations on the avifuana of portions of Arizona. Auk 7:45-55, 243-264.
- Phillips, A., J. Marshall and G. Monson. 1964. The birds of Arizona. Univ. Arizona Press, Tucson.

Accepted 25 August 1980