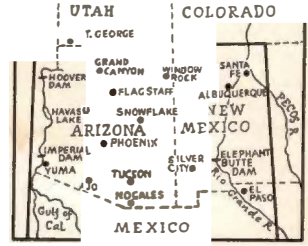


a record peak of 40 present on Apr. 26 (Monson). Five horned grebes were seen on the Bosque del Apache Nat'l Wildlife Refuge, N. Mex., Apr. 14 (R. Fleetwood). The white pelican migration in the Colorado R. valley, lasting until after Apr. 22, seemed to be heavier than normal; more than 20 were present at Topock, Ariz., in early June (M.).



Hérons, egrets, and ibises.—Two Am. egrets were seen at Snowflake, Ariz., May 5 (L. Levine). First migrant snowy egrets were noted at El Paso, Tex., Apr. 6 (L. McBee), at Topock, Apr. 10 (M.), and at Snowflake, Apr. 17 (L.L.). The only early green heron arrival was reported from Tumacacori Nat'l. Monument, Ariz., Apr. 6 (B. Jackson). Black-crowned night herons were noted, perched in trees, at Snowflake, Apr. 23 (L.L.). White-faced glossy ibis were reported along the Rio Grande in New Mexico north of El Paso, Apr. 10 (L.M.); at the Bosque Refuge, Apr. 18 (R.F.); at Topock, Apr. 27 (M.); and at Snowflake, Apr. 23 (L.L.). Seventy-nine were seen near San Antonio, N. Mex., Apr. 29 (T. Davis).

Swans, geese and ducks.—A whistling swan lingered at the Bosque Refuge until Apr. 21 (R.F.). An unusually late flight of snow geese, whose origin is speculative, passed over Havasu L. on Apr. 24, when 4 flocks totaling 172 were seen (G. Osburn); the latest wintering birds were noted in the Colorado valley, Mar. 15 (M.). Two were still present at Bitter Lake Nat'l. Wildlife Refuge, N. Mex., May 19 (R.F.), and 3 were seen at the Bosque Refuge the previous day (T.D.). Departure dates for some ducks on Havasu L. Refuge follow: green-winged teal, 9, Apr. 29; shoveller, 7, Apr. 29; canvas-back, 2, Apr. 6; Am. golden-eye, 2 (at Headgate Rock Dam near Parker, off the refuge), Apr. 29; buffle-head, 10, May 10; and Am. merganser, 1, Mar. 28 (M.). Six shovellers were noted at Radium Springs, N. Mex., until May 23 (L.M., M. Keefer). A male ring-necked duck was still present at Tucson, Ariz., May 12 (E. & V. Morton). An unusually late pair of blue-winged teal was seen in the Bill Williams Delta, Ariz., June 3 (M.). A very late Am. golden-eye was seen on the Bosque Refuge, May 27, and a hooded merganser stayed until Apr. 21 (R.F.). The red-breasted merganser flight on Havasu L. was not as heavy as last year's; it extended from Apr. 13 to May 10, although 12 were still present on June 4 (M.). The general duck migration this spring was apparently lighter than usual throughout the region.

Hawks.—The last sharp-shinned hawk was noted in the Bill Williams Delta, Apr. 29 (M.), and at least 1 was still present at El Paso, May 12 (L.M.). Two Swainson's hawks were seen on the Bosque Refuge, Apr. 7 (R.F.), an early arrival. Zone-

SOUTHWEST REGION.—Although the early part of the spring was slow and marked by a generally late migration, unusually hot weather during the last half of April restored conditions to normal, and the latter part of the migration was more on schedule. Precipitation was generally lacking after last winter's extraordinary snowfall, even though skies were unusually cloudy in the higher elevations, and especially so in the Flagstaff-Grand Canyon area.

Loons, grebes, pelicans.—Common loons were in migration on Havasu L. from Apr. 13 to 28, with

tailed hawks were reported from the Colorado R. Indian Reservation near Parker, Apr. 3 (M.), and from Tucson, May 7 (A. Phillips). The first Harris's hawk in 20 years was seen at El Paso, Apr. 22 (L.M., M.K., Mrs. Rose). Late marsh hawks were observed at Topock, Apr. 27 (M.); at El Paso, Apr. 30 (L.M.); and near Tucson, May 1 (A. & A. Anderson, A.P.). A good osprey migration passed through the Colorado valley from Apr. 6 to 26 (M.); the first 1 was noted on the Bosque Refuge, Apr. 7 (R.F.). A pigeon hawk was seen near Tucson, May 1 (A.A.'s, A.P.).

Rails and coots.—A clapper rail, possibly an arriving bird, was seen at Headgate Rock Dam, May 18 (M.). The last soras were noted at Topock, Apr. 28 (M.), and at the Bosque Refuge, May 27 (R.F.). Downy young of coot were seen on Ascarate L., El Paso, June 7 (L.M.).

Shorebirds and gulls.—The last Wilson's snipe in the Bill Williams Delta was seen Apr. 29 (M.); on the Bosque Refuge, it was observed until May 6 (R.F.). Spotted sandpipers, which were uncommon during the winter and April, were common at the peak of their migration on Havasu L., May 10, and the last 1 was observed in the Bill Williams Delta, June 3 (M.). Solitary sandpipers were seen on the Bosque Refuge from Apr. 14 to May 12 (R. F.). About 50 willets were seen at Aguirre L., in the Altar valley, Ariz., Apr. 30 (A.P.). A greater yellow-legs seen at Topock, June 8, was probably summering (M.). A flock of dowitchers that wintered at Anthony, N. Mex., departed Apr. 30 (H. McGuire); 1 was still present at Bitter L. Refuge, May 19 (R.F.). Western sandpipers migrated through the Colorado valley, Apr. 21 to 27, with a peak of 187 seen at Topock, Apr. 22 (M.). A black-necked stilt nest with 4 eggs was discovered at Anthony, May 13 (Gen. G. Meyer). The California gull migration at Havasu L. lasted until May 10 (M.). A Franklin's gull was seen there, Apr. 18 (M.), and another was reported from San Antonio, Apr. 28 (R.F.).

Doves through kingfishers.—An unusually early white-winged dove was seen near Parker Dam, Calif., Apr. 2 (M.), and a New Mexico record came from Anthony, where 1 was seen, May 15 (L.M., M.K., H.M.). Regular arrival dates were: Empire Mts., southeast of Vail, Ariz., Apr. 2 (C. Beach); Bisbee, Ariz., Apr. 13 (Mrs. A. Orton); and Bill Williams Delta, Apr. 29 (M.). A yellow-billed cuckoo was noted on the Bosque Refuge, May 11 (R.F.). Young horned owls were out of their nest near Laguna Dam, Calif., May 25 (N. Morgan). Two whip-poor-wills were noted in the Organ Mts., N. Mex., May 7 (Mrs. H. Conway). Texas nighthawk arrivals were noted Apr. 10, in lower Oak Creek Canyon, Ariz. (M. Wetherill), and Apr. 18 at Boulder City, Nev., (W. Pulich). Vaux's swifts were scarce this spring; they were noted only in the Bill Williams Delta, Apr. 29 (M.), and at Tucson, May 7 (A.P.). Three broad-billed hummingbirds were seen in Peck Canyon, southwest of Tumacacori Nat'l. Monument, Apr. 24 (B.J.). This was a poor spring for hummers.

The last belted kingfishers were observed at Topock, Apr. 10 (M.), and on the Bosque Refuge, Apr. 14 (R.F.).

Woodpeckers.—A red-headed woodpecker was seen on Bitter Lake Refuge, May 15 (R. Hunter). Two Lewis's woodpeckers were present at Grand View on the south rim of the Grand Canyon, May 7 (H. Bryant). Departure dates for yellow-bellied sapsuckers were Apr. 9 at Topock (M.), and at Organ Pipe Cactus Nat'l. Monument, Ariz. (H. & R. Crockett); and Apr. 23 at Anthony (H.M.).

Flycatchers and swallows.—Western kingbirds arrived at Anthony, Mar. 22 (H.M.); at Parker, Apr. 2 (M.); at Tumacacori Nat'l. Monument, Apr. 8 (B.J.); and at Boulder City, Apr. 20 (W.P.). The last black phoebe on Havasu L. was seen at Needles Landing, Apr. 17 (M.). The first local record for Say's phoebe at the Museum of Northern Arizona, Flagstaff, was obtained May 8 (M.W.). Western wood pewees were unusually scarce in the Colorado valley (M.), and at Grand Canyon (H.B.); however, they were reported as common at Radium Springs, May 23 (L.M., M.K.), and in the Hualpai Mts., Ariz., May 23 to 28 (A.P.). The first returning female vermilion flycatcher was seen at Tumacacori Nat'l. Monument, Mar. 9 (B.J.). Three purple martins were observed in Water Canyon in the Magdalena Mts., N. Mex., May 22 (R.F.).

Jays through waxwings.—A Clark's nutcracker was seen on Baldy Pk. in the Magdalena Mts., May 22 (R.F.). House and Bewick's wrens were scarce throughout the region, virtually absent in many parts. Mockingbirds were dispersing through the desert areas contiguous to the Colorado R. by Apr. 17; young were a-wing in late May (M.). A brown thrasher was present in El Paso, Apr. 24 to 26 (L.M.). Sage thrashers were more numerous than usual at Snowflake, leaving about Apr. 15 (L.L.). A belated robin was seen at El Paso, May 7 (L.M.). Olive-backed thrushes were not noted in most areas this spring, signifying that their numbers are way down. Ruby-crowned kinglets (another species that has been unusually scarce), were last noted on Apr. 15 in the Bill Williams Delta (M.), and May 1 in Madera Canyon of the Santa Rita Mts., Ariz., A.P.), and Socorro, N. Mex. (R.F.). Plumbeous gnatcatchers were feeding young just out of the nest near Topock, Apr. 14 (T. Clark). The latest Am. pipits were 1 seen at Havasu L., Apr. 18 (M.), 4 at Aguirre L., Apr. 30 (A.P.), and 1 at Bitter Lake Refuge, May 19 (R.F.). A phainopepla was seen at Snowflake, Apr. 16 (L.L.), and a nest, brooded by a male, was found at Radium Springs, May 23 (L.M., M.K.). The cedar waxwing was common at Snowflake, May 12 to 13, apparently feeding on cottonwood seed pods (L.L.).

Wood warblers.—Most warblers were scarce this spring, especially those forms transient in the Lower Sonoran Zone. Exceptions were Virginia's warbler, Lucy's warbler, Sonora yellow warbler, and yellow-throat. A Nashville warbler was seen at Tucson, Apr. 9 (A.P.). Virginia's warblers were "abundant" in the Hualpai Mts., May 23 to 28 (A.P.). A Lucy's warbler nest along Beaver Dam

Wash., Ariz., held young on May 12 (W.P.). The same species was feeding fledglings at Tumacacori Nat'l. Monument, May 22 (B.J.). Yellow warbler arrivals were noted at Tucson, Apr. 9 (A.P.); at Topock, Apr. 10 (M.); on the Bosque Refuge, Apr. 20 (R.F.); and at Snowflake, Apr. 23 (L.L.). A male was still present in the Upper Sonoran Zone of the Juniper Mts., Ariz., May 21 (A.P.). Two late Audubon's warblers were seen in the Hualpai Mts., May 26 (A.P.). A Grace's warbler was seen at Granite Reef below the junction of the Salt and Verde Rivers, Ariz., Apr. 15 (C.'s). Macgillivray's warblers were still migrating on Walnut Creek in the Juniper Mts., June 1 (A.P.). The earliest chats were 1 noted near Parker Dam, Apr. 21 (M.), and 3 at Socorro, May 1 (R.F.). The last Wilson's warbler was seen at Topock, May 24 (M.), but they were still present on Walnut creek, May 31 (A.P.). Four red-faced warblers were seen on Mt. Lemmon in the Santa Catalina Mts., Ariz., Apr. 21 (T.C.). A male Am. redstart was found in the Hualpai Mts., May 27 (A.P.).

Blackbirds.—A meadowlark was seen in Lobeck's Pass, south of Needles, Calif., Apr. 27 (M.). A large flock of yellow-headed blackbirds was observed south of Perryville, Ariz., Apr. 8 (C.'s). Bullock's oriole arrival dates were Parker Dam, Apr. 9 (M.), and Snowflake, Apr. 28 (L.L.). Their numbers are lower, than usual this year. Two boat-tailed grackles were seen at Rillito, Ariz., May 7 (R. Reed), and near Tucson, May 15 (M.). A male red-eyed cowbird was seen near Arivaca, Ariz., May 5 (B.J.).

Finches and sparrows.—Black-headed grosbeaks were not noted in the Colorado valley (M.). A nest just being begun, also a finished nest, were found at Radium Springs, May 23 (L.M., M.K.), and one being built was seen in the Hualpai Mts., May 23 to 28 (A.P.). Blue grosbeak arrivals were noted at Parker Dam, May 5 (M.), and on the Bosque Refuge, May 7 (R.F.). Although no evening grosbeaks were observed at Snowflake, where they are usually seen (L.L.), they were common at Grand Canyon Village almost to the end of May (H.B.). Am. goldfinches were unusually scarce at Snowflake, but Arkansas goldfinches were numerous there in early May (L.L.). A late spotted towhee was present at Tumacacori Nat'l. Monument, Apr. 13 (B.J.). Lark sparrows were unusually scarce at Tumacacori Nat'l. Monument (B.J.). The last chipping sparrow was noted in the Colorado valley near Vidal Jct., Calif., Apr. 17 (M.); first arrivals were detected on Apr. 5 at Flagstaff (M.W.), and Snowflake (L.L.). The mountain song sparrow was still present at Tucson, Apr. 10 (A.P.), and on the Bosque Refuge, May 7 (R.F.).—GALE MONSON, *Havasupai Lake Nat'l. Wildlife Refuge, Parker, Ariz.*

NORTH PACIFIC COAST REGION.—In the central part of the region temperatures, generally, were above normal. In April many mornings were overcast and cool, with the sun coming out in the afternoon. May's rainfall totaled 1.35 inches; it was