DLITARY VIREO REEDING BEHAVIOUR

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is always interesting to discover a 's nest, particularly when the cies is one not previously enntered and when detailed obserons are possible. Such an opporty presented itself on June 19, 6, at the University atchewan Arts Camp at Emma e, Saskatchewan, when a Solitary o nest, 12 m from the Biology bratory was brought to my attenby Dr. Maureen Rever. A arkable characteristic of this bird its tolerance of human beings. n when closely approached on the , the female showed little alarm, ing observation a relatively simmatter. (A second active nest was located within the Emma Lake Camp. It was almost directly hanging a path. Few observations e made at this site, however, use the eggs disappeared early in bation, probably the work of a dator.)

he Solitary Vireo breeds in atchewan from Prince Albert h, except for the northeast corner he province.² Farley Mowat stated that "a single bird was collected μ ly 9, 1939, in our aspen grove $^{\prime\prime}$ at ha Lake.4 The preferred habitat of Folatary Vireo is open mixed conus and deciduous forests. These nests were found in a mixture of bling aspen, white birch and e spruce. In both cases the nests located within 15 m of a ling, showing their tolerance to . Nevertheless, it is not a sociable it seldom nests in shade trees of kes or in city parks, preferring the lision of forests.

n several occasions I was able to ograph the nests from as close as m without apparently frightening incubating female. Later, the nest was inspected more closely the eggs measured. The female not leave the nest until I ap-



Solitary Vireo on nest

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proached to within a meter of her. Even then she remained within two or three m of the nest, sitting on a branch, repeating a nasal, scolding squawk. Several seconds after leaving the nest she was joined by the male, who gave the same incessant alarm cry. This continued until I had left the vicinity of the nest; no attacks were made on me. After I had retreated further the parents fell silent and the female flew to a twig several centimeters above the nest. After a few moments she dropped to the edge of

the nest and settled upon the eggs as calmly as if nothing had happened.

The nest itself, like those of other vireos, is a low hanging basket. One was constructed in the fork of a twig on a white birch three m above the ground. The other was hung at approximately the same height in the fork of a twig on a Black-fruited Chokecherry tree.

Both nests consisted of an inner cup lined with fine grasses. This had a diameter of about 6.2 cm and a depth of 5 cm. The outer shell was constructed primarily of small strips of the thin outer bark of white birch, plus small quantities of a cotton-like substance as well as pieces of foliose lichen.

The Solitary Vireo normally lays from three to five eggs. 1 Usually there are four, which was the number in the nest which had not been predated. The eggs were ovate in shape, but somewhat pointed. They were nearly pure white, with tiny chocolate brown spots, few in number and more densely distributed near the large end. Using a micrometer scale, the measurements of the four eggs, in millimeters, were as follows: 20.8 by 14.7, 21.2 by 14.8, 20.5 by 14.5, and 20.6 by 14.6. Each egg was larger than the average given for the species in the eastern United States — 19.5 x 14.4.3

No definite information regarding the period of incubation appears to be available. However, it is believed to be from 11-14 days.³,⁵ Unfortunately, these two nests were found some time after the eggs had been laid, and I was unable to be present when they hatched, so the incubation period could not be determined.

Both parents shared incubation. In most cases when the nest was observed, the female was incubating, indicating that she performed the greater share of the incubation. When one of the parents did leave the nest, presumably to feed, the

other took over the task of inction. This switch was observed to In the first case, the male appeared flew from branch to branch, ing at each perch for several second flew and landed on the edge whereupon the female left and out of sight. The male then beginneubate.

In the second case the male was cubating. The female returned landed on a branch near the nest male then left the nest and went nearby branch. He perched there a few seconds and then flew a The female waited about one miles before entering the nest.

One can easily see that the Sol Vireo is an interesting little bird study. Any observation is bound yield interesting new information its ecology. Because of the reclunature of this bird and the fact this not abundant in Saskatchewan, should avail himself of every op tunity to study the Solitary Vireo

¹BENT, A. C. 1950. Life historie North American wagtails, shi vireos and their allies. D Publications, New York. 411 pp.

²Godfrey, W. E. 1966. The birds of Ca Queen's Printer, Ottawa, 428 pp.

³Harrison, H. H. 1975. A field guide to nests. Houghton, Miffin, Boston. 2

4MOWAT, F. M. 1947. Notes on the of Emma Lake, Sasktachewan. Field-Nat. 61:105-115.

5REILLY, E. M., Jr. 1968. The Aud illustrated handbook of American McGraw-Hill, New York. 524 pp.