does not separate the two inland forms, but names them both C. macrotis. This, (No.3), is the Columbian or Coast Deer.

No. 4.—This is Cariacus Virginiana var. leucurus, Dougl. the western form of the eastern White-tailed Deer.

Mr. Teit's descriptions are evidently accurate and he sets out the forms so distinctly that there can be no doubt about the species.

ORNITHOLOGY.

Edited by W. T. MACOUN.

WINTER BIRDS AND EARLY SPRING ARRIVALS.

The abundance or absence of winter birds is often decided to his satisfaction, by the casual observer, just in proportion to the number of pine grosbeaks which he sees during the winter months, and as these birds were not seen this year, notwith-standing the fact that there was such an abundance of food for them, the conclusion naturally arrived at was that other birds were scarce also. This conclusion was correct this winter to a large extent, as during the early part of the winter few birds were seen, with the exception of crows, which have been quite abundant all winter at the Experimental Farm.

The first spring birds were nearly a month later in coming this year than last, and only a comparatively small number have yet arrived. In the following list the winter birds are recorded and also those which have arrived up to the 14th April. It is hoped that all those who sent in their notes last year will continue to do so this season. The notes of any others who are especially interested in birds will be gratefully received.

1898.

Nov. 15—Snowflake, *Phlectrophenax nivalis*. Flock at Experimental Farm. Mr. Wm. Saunders.

1899.

Jan. 29—AMERICAN GOLDFINCH, Spinus tristis. Several feeding on birch at Beechwood. Mr Geo. R. White.

30-SHARP-SHINNED HAWK, Accipiter velox. Mr. Geo. R. White.

- Feb. 5-PINE SISKIN, Spinus pinus. Several below Rockcliffe; also flock on 21st. Mr. Geo. R. White.
 - 14—AMERICAN GOLDEN EYE, Glaucionetta clangula americana. Two male birds. Mr. F. W. Warwick, Buckingham, P.Q.
 - 20—AMERICAN CROSSBILL, Loxia curvirostra minor. Small flock of six feeding on pine cones, and two males and one female feeding on fruit of mountain ash, 10th April. Mr. Geo. R. White. Mr. Lees reports seeing several on the 12th; they were seen by other people at different times, but no other dates have been sent in. Some of the birds were young. The bills of these were not crossed.
 - 25-AMERICAN MERGANSER, Merganser americanus. Mr. Geo. R. White.
 - 25—CHICKADEE, Parus atricapillus. A few seen during the winter.
- Mch. 10—AMERICAN CROW, Corvus americanus. Mr. Geo. R. White. Crows were abundant all winter, but this was the first date on which they were recorded.
 - 15-PRAIRIE HORNED LARK, Otocoris alpestris praticola. Dr. Fletcher. March 23rd, Mr. Geo. R. White.
 - 17—Рноеве, Sayornis phoebe. One caught; Miss Harmer; April 16th, Mr. W. T. Macoun.
 - 22—PURPLE FINCH, Carpodacus purpureus. Mr. Geo. R. White. Flock feeding on fruit of mountain ash; 23rd, Mr. W. T. Macoun.
 - 22—WHITE-CROWNED SPARROW, Zonotrichia leucophrys. Mr. Geo. R. White. One male; probably remained over winter.
 - 29-RED POLL, Acanthis linaria. Mr. Geo. R. White.
 - pril 6-Bronzed Grackle, Quiscalus quiscula. Three males. Mr. Geo. R. White; April 7th, Mr. C. H. Young.
 - 6-Robin, Merula migratoria. Seen by men at Experimental Farm. April 8th, Mr. Geo. R. White; Mr. W. T. Macoun. Recorded first on March 15th, 1898.
 - 6-RED-WINGED BLACKBIRD, Agelaius phaniceus. Mr. C. H. Young.
 - 6—Song Sparrow, Melospiza fasciata. Mr. C. H. Young. April 7th, Mr. Geo. R. White; Mr. W. T. Macoun. Recorded first on March 11th, 1898.
 - 7-SLATE-COLOURED JUNCO, Junco hyemalis. Mr. Geo. R. White.
 - 7-Bluebird, Sialia stalis. H. Fixter. One seen by Mr. Geo. R. White on the 13th.
 - 10-Tree Swallow, Tachycineta bicolor. Mr. Geo. R. White. A small flock of nine near old rifle range. Numerous on 11th.
 - 14—TREE SPARROW, Spizella monticola. Mr. Geo. R. White. Four seen near city with Juncos.
 - 14—YELLOW-BELLIFD SAPSUCKER, Sphyrapicus varias. Mr. Geo. R. White. Five seen near city.





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