

County, Massachusetts (Mem. Nutt. Orn. Club, No. III, Cambridge, April, 1905, p. 264), that "on rare occasions a soft feeble warble takes the place of a song. I have heard this even in the spring given by an adult." This statement is referred to by Forbush (*Birds of Massachusetts and other New England States*, Pt. III, 1929, p. 54), but as most writers who describe the activities of the Savannah Sparrow do not mention such a song and as I had not previously noticed it, in the course of a field experience with this Sparrow extending over some twenty-eight years, it would seem to be uncommon enough to make publication of this record desirable.—HARRISON F. LEWIS.

GREATER YELLOW-LEGS AND PIGEON HAWK. — On May 25, 1926, at the shore of Anticosti Island, Quebec, near Port Menier, I saw a Pigeon Hawk (*Falco columbarius*) stoop at two Greater Yellow-legs (*Totanus melanoleucus*), though apparently not in deadly earnest. The two Yellow-legs, which were standing on a small gravel bar, uttered cries of alarm and half jumped, half fluttered for a distance of a few feet, into water so deep that they could not wade, where they swam placidly until the Hawk had flown some distance away, when they swam ashore.—HARRISON F. LEWIS.

REVIEW

LEGUMINOUS FORAGE PLANTS, by D. H. Robinson, 119 pages, 1937. Edward Arnold & Co., London. (In Canada, Longmans Green & Co., Toronto; price \$1.80.)

This small volume presents descriptions of the forage legumes of the British Isles in relatively non-technical, concise language. It is intended primarily for students in Agricultural Colleges and for County Agents and Organizers. Unfortunately its usefulness in Canada is limited since the emphasis is placed upon the species and varieties of greatest importance in England and Scotland and the cultural requirements of these varieties.

The author, who is Head of the Biology Department of Harper Adams Agricultural College, Newport, Shropshire, has succeeded in writing brief but adequate and simple descriptions of the seeds, seedlings and mature plants of each species. These descriptions are supplemented by clear line drawings which should aid the student considerably in distinguishing the various species. The illustrations of the legume seedlings should be especially useful. Following the description of mature plant, seed and seedling, under each species there is a brief discussion of the chief cultivated varieties; their culture and uses in

the British Isles; notes on seed production; and tables of chemical composition.

After a brief introductory chapter dealing with the morphology of the leguminous plant and its specialized process of nitrogen fixation through the agency of root nodule bacteria, two chapters are given over to a discussion of the *Trifoliums* (red, alsike, white, crimson, yellow suckling, subterranean, and strawberry clovers). The following chapter deals with the *Medicagos*, lucerne, or as it is more commonly known in America, alfalfa, and yellow trefoil. Species rarely grown in America are described in the succeeding chapters: birdsfoot trefoils (*Lotus*), kidney vetches (*Anthyllis*), sainfoin (*Onobrychis*) and lupins (*Lupinus*). Sweet clover (*Melilotus*) is briefly discussed. A final chapter deals with pulse crops which are sometimes grown for fodder. Included are field beans, *Faba vulgaris* (better known as horse beans, *Vicia Faba*), vetches (*Vicia*) field peas (*Pisum*) and soy beans (*Glycine*). There is also a valuable table of seed statistics presenting data on weight per 1000, bushel weight, number per pound, standards of purity and germination, and percentage of hard seeds for the various species described. The volume concludes with a brief but useful glossary and index.—HAROLD A. SENN.



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