

bush's observations afford most conclusive proof of the protective influence of birds against orchard pests, and we trust the facts he here presents may be made widely known. — J. A. A.

Merriam on the Geographical Distribution of Animals and Plants in North America.—This paper¹ of 12 pages is “a review of the work undertaken and of the results accomplished by the Division of Ornithology and Mammalogy.” Reference is made to the economic value of a knowledge of the geographic distribution of species; the results of an experimental survey of the San Francisco Mountain region in Arizona are recounted, and of the subsequent biological survey of South-Central Idaho, the Death Valley region, Wyoming, Montana, the tablelands of Mexico, and elsewhere. The life zones of North America are recapitulated and illustrated with a map, and the “fundamental principles of animal and plant distribution” are succinctly stated, followed by a recapitulation of the work thus far accomplished respecting the general subject of geographic distribution. The paper is in the main a popular résumé of the author's previous reports and papers on the same subject, already noticed at length in previous numbers of this journal. — J. A. A.

Suchetet on Hybridity in Birds.²—Part 5, closing Mr. Suchetet's volume on hybridity among birds in a state of nature, is devoted to additions and corrections to the preceding parts, published respectively in 1890, 1891, 1892, and 1893. The present volume is largely made up of additional cases of alleged hybridity, either recently reported, or from earlier reports recently discovered by the author. As we have said in an earlier notice of this work (Auk, IX, 1892, pp. 382, 383), Mr. Suchetet has done good service by industriously bringing together in systematic order the substance of the extended and much scattered literature relating to this interesting subject, rather, however, as an amateur than as a trained investigator well equipped for his task. It is, however, a work of immense research, and will prove a valuable compendium of the subject. The work unfortunately is apparently without an index, or even a table of contents. He proposes to devote his second volume on hybridity to the classes of insects and fishes. — J. A. A.

¹ The Geographic Distribution of Animals and Plants in North America, by C. Hart Merriam, Chief of the Division of Ornithology and Mammalogy, U. S. Department of Agriculture. Reprinted from the Year-book of the U. S. Department of Agriculture for 1894, pp. 203-214. Washington, 1895.

² Les Oiseaux Hybrides | rencontrés à l'état sauvage | Par | André Suchetet | — | Cinquième Partie | Additions and Corrections | — | Lille | Imprimerie typographique et lithographique le Bigot Frères | 68, rue Nationale, et 25, Nicolas-Leblanc. | — | 1895. 8vo, pp. 473-873.