by topic and country; and third, a systematic index by orders and families. We cannot too strongly endorse the importance of this work and the duty of ornithologists to subscribe for it, while every research institution in the country and every library should have the 'Zoological Record' complete. Should this work be allowed to lapse for lack of financial support systematic zoology would be thrown into a state of chaos which it would take years to straighten out. No one would know what was being done in his branch of science in other countries, research would be needlessly duplicated, identical names would be employed for different species and other complications would follow.—W. S.

Forbush on Some Under-water Activities of Waterfowl.¹—This paper consists of a rather lengthy compilation of observations by a large number of persons as to whether the wings are used by diving birds in travelling under the water. The birds considered are Grebes, Loons, Cormorants and Water Turkeys. The testimony is directly contradictory in the case of nearly every species, some observers asserting that the wings are used while others have never seen them in action. The author very rightly contends that it is not justifiable to make a positive statement that a bird does not do a certain thing because we have not been able to see it done, and the evidence presented here certainly shows that the birds sometimes use their wings and sometimes do not.

The unfortunate part of such compilations is that all evidence is given the same weight while unquestionably some observers are more reliable than others and the testimony of some is valueless. The impossibility of separating the data on any such basis is as obviously impossible, so we are forced to read the evidence and draw our own conclusions. One point that does not seem to be mentioned is the physical question of the possibility of "flight" under water. The conditions surrounding flight through a medium such as air and through a much heavier medium such as water are quite different and the possibility of the return of the wing after the stroke in the heavier medium is worthy of serious consideration as also the availability of the flight feathers for propulsion after they have been thoroughly saturated, as they would be if the wing were opened under water. These matters would seem to deserve consideration in a scientific treatment of the subject. Considerable testimony is also presented on the question whether "diving birds commit suicide," i. e., the alleged habit of ducks, etc., when wounded of clinging to plants at the bottom of bodies of water and drowning.—W. S.

<sup>&</sup>lt;sup>1</sup>Some Under-water Activities of Certain Waterfowl. By Edward Howe Forbush, Dept. Bull. No. 8, Mass. Dept. Agr. February, 1922, pp. 1-49, numerous text figures.