In addition to the great work that we have just referred to, Mr. Edwards has contributed largely to the periodical literature of the science, especially to the proceedings and transactions of the American Entomological Society and to the Canadian Entomologist. His first contribution to its pages was published in the third number of the first volume, in 1868, and he has continued to favour it with articles of great value ever since, his last paper, in the September number of volume xxvii., being the one hundred and sixty-eighth which he has written for our journal.

Mr. Edwards was born on the 15th of March, 1822, and will soon complete his seventy-fourth year. That he may long be spared in health and prosperity to carry on his excellent work is the cordial wish of the writer and all his friends.—C. J. S. B.

BOOK NOTICES.

THE BUTTERFLIES OF NORTH AMERICA, with coloured drawings and descriptions, by W. H. Edwards. Third series, part xvi. Houghton, Mifflin & Co., The Riverside Press, Cambridge, Mass.

Though nearly a twelvemonth has gone by since the preceding part was issued, we could well afford to wait with patience for another number, when our author rewards us with so much that is remarkably interesting as well as valuable regarding the life-histories of some hitherto little known butterflies.

The first plate, which as usual is exquisitely drawn and coloured, depicts the female of Parnassius smintheus, Doubl.Hew., and both sexes of the variety Hermodur, H. F. Edw., together with the egg, larva in all its stages, chrysalis, last segments of the male butterfly, and many highly magnified details. After giving a description of the various stages of the insect, the author relates many most interesting facts regarding the life and habits of the butterfly, which have taken expert observers in the States of Colorado, Montana and Washington no less than twenty years to accumulate! The account is concluded with a description of the formation of the extraordinary pouch or keel which is to be seen beneath the abdomen of the females of various species of Parnassius. That this should be formed by the male is one of those strange marvels that render the careful study of the lives of our butterflies so interesting and attractive.

The second plate depicts both sexes of Satyrus Charon and the male of its variety Silvestris; also the egg, the various stages of the larva, the chrysalis, and many details. The image and the several preparatory stages are described, and a short but interesting account is given of the habits of the butterfly and the rearing of the larvæ.

On the remaining plate are figured the egg, three stages of the larva with details, and both sexes of the imago of the British Columbian species (Chionobas gigas), Butler. After describing the preparatory stages so far as known, the author relates the differences in appearance and habitat between this species and Californica and Iduna, which are frequently confused in collections. Gigas is shown to be confined, so far as is yet known, to Vancouver Island, where the male frequents the tops of the highest mountains, the female being usually found much lower down; Iduna inhabits the slopes of the evergreen red-wood forest in north-eastern California on the Pacific coast; and Californica, the hot arid regions of east Oregon, Washington and the semi-desert portion of north-east California. "Gigas is semi-Arctic, living amid the cold, dark fir forest; Iduna is temperate, living in the mild, dark red-wood forest; Californica is semi-tropical, living in open, dry, warm glades in the "bushland" on the border between the forest and the open plains. Gigas alights on bare rocks; Iduna on green twigs; Californica on dead or dry grass." But we must refer the reader to the book itself for all the interesting particulars regarding these strange butterflies.

The wonder to us is that so few entomologists subscribe to this magnificent work. The parts are issued at such long intervals that the cost is very light; those who have secured them know what a treasure they possess and how highly they prize it.—C. J. S. B.