the season when they were abundant. The captured in Great Britain and Ireland, in the chief interest of the subject, however, centres autumn months, no ora have been found, inin the fact that some species are always rare, duces the question as to whether some species Sometimes this may be partly accounted for by may or may not be continuously indigenous. the scarcity of the food plant, or by their be- Many think that the absence of ora in the ing subject to attacks of parasites to an unusual female is merely a question of time, as in the degree, but still there may be other reasons, case of A. atropos, the females of which, no-Are such species dying out? And will they toriously devoid of eggs in the forced autumn from purely natural causes? It is generally whence the brood is perpenuated. admitted that all animals receive at birth a maintain that it is a question not of time only, vital impetus, sufficient to ensure their living but also of place; for taking S. convolvali, for a certain period of time, which varies in females of which are constantly taken in the gress of growth, maturity and old age, provided specimens in 1859, all the females of which In the case of man, this period is about seventy female is hatched in the autumn with eggs, years. Yet we know that many a man, hybernates and deposits ora in the spring, or sixty, a result due in a great measure to a dif- ora in this country. I would ask has ference in inherent vitality. This is the case 8, concaded ever been taken or observed in with a community, including insects. The latthe spring or early summer in this country, ter live out their allotted time and die of old and it so in what condition or of what sex? seven years old in his formicaries. according to the species, may there not also stated is, that numbers of females among the be a specific vitality? May not species, as rarer Sphingidae in England, taken in autumn, well as individuals, have an allotted time, and grow old and die? If such is the case, insects able of continuing the species. Dr. Wallace the subject. The rapidity of the changes they pass through, and the quick succession of result of the forcing process. May there not generations, would lead us to expect that, in a is an interesting one, but its value will not be degree of heat, (within certain limits) on the proved for a long time to come. I lately met, pupa, is merely to hasten the appearance of however, with an item in an old number of the the imago, and not to interfere with the perfection of its organs. It seems probable, theresome bearing on the subject. It is a commu- fore, that this failure in the due development nication from Dr. Wallace to the Entomological Society of London, and reads as follows:

Remarks on the occurrence of Rurer British Sphingide.

in a comparatively short time become extinct specimens, are found in June depositing ora, length according to the species. That is, when autumn months, atmost invariably without not minted by hereditary disease. This impetus leggs (in 1846 and 1859) the species occurred carries each individual through a certain pro- most freely; one individual took nearly tifty accident or tatal illness does not intervene, were destitute of ora). In this case either a blessed with a vigorous constitution, is as emerges in the spring from the pupa, or else strong and healthy at eighty as others are at specimens thy over from abroad and deposit age, just as men do. Sir John Lubbock de Are we to look for a development of females of scribes the death of his pet wasp as being evi- D. lineala without eggs, in the autumn months, dently from this cause. And here, I may say if a hot summer intervenes? A series of that the Hymenoptera have among them in-observations carefully made as to time, place, sects which live longer than any other in the condition, sex, and also as to the complete perfect state. Sir John Lubbock has had ants development of sexual organs of any or all of Now, as the rare Sphingidae, would help to resolve the there is an individual vitality in animals, giv-question. I commend it to the attention of ing to each a certain life period, which varies entomologists." The interesting fact here would give the best opportunities of studying seems to imply that hot weather is a cause of comparatively short time, many species might with this to bring about such a remarkable run their course, and become extinct from result? From what we know of the developmere loss of specific vitality. The speculation ment of insects, the effect of an abnormal of these most important organs is owing to a weakness in the specific vitality of these moths, tending to their complete extinction. strong instance is that of S. concolenti. "The fact that in many female Sphingidae Wallace asks if it has ever been taken in the