

*Remarks*—In all probability the list of synonyms of *M. disjuncta* could be greatly extended. A number of species, some of which are imperfectly described, appear to fall within the range of variability of this cosmopolitan. The following species are more or less suspected synonyms of *M. disjuncta*: *M. socialis* Bütschli, 1874, p. 264; *M. paraambiguoides* Allgén, 1932, p. 169; *M. praevulvata* Allgén, 1932, p. 167; *M. paraambigua* Allgén, 1933, p. 79; and *M. islandica* De Coninck, 1943, p. 207. I feel that environmental factors have a strong influence on the resulting morphology of nematodes, especially in the more plastic species such as *M. disjuncta*, and that in the past little attention has been devoted to this topic. Chitwood and Murphy (1964) discuss and illustrate (Plate II, Figs. F–H) morphological changes as influenced by age of the individual. Undoubtedly, in the future, temperature and type of nutrition will likewise be recognized to be important factors influencing both the absolute size of various organs and the ratios between these. Thus the vulva percentage will fluctuate if the tail length can be shown to vary independently from the total body length. Likewise, the amphid position will be unstable if growth along the longitudinal axis changes at a faster rate than does the width at the cephalic extremity. Once we have an appreciation of these factors, perhaps we shall be more cautious in establishing new scientific names.