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The genetic, physiological, and morphological evidence for "sex" in the principal groups of microorganisms—viruses, bacteria, fungi, unicellular algae, and protozoa—is presented by a group of experts in the field.


R. Patrick of the Academy of Natural Sciences, Phila-
delphia, describes syngamy in diatoms; R. A. Lewin of
the Maritime Regional Laboratory, Halifax, the sexuality
of other unicellular algae, especially the flagellates.

In two chapters D. H. Wenrich covers sexual phe-
omena in some of the protozoa and discusses the origin
and evolution of sex, based primarily on the protozoa;
but including material about all of the microorganisms. D. L. Nanney of Michigan summarizes mating-type phenomena in Paramecium aurelia and some of the recent mating-type work from Sonneborn's laboratory. C. B. Metz of Florida State compares mating-type substances in Paramecium and other ciliates with those found in Metazoa. Extensive chapter bibliographies are included.

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