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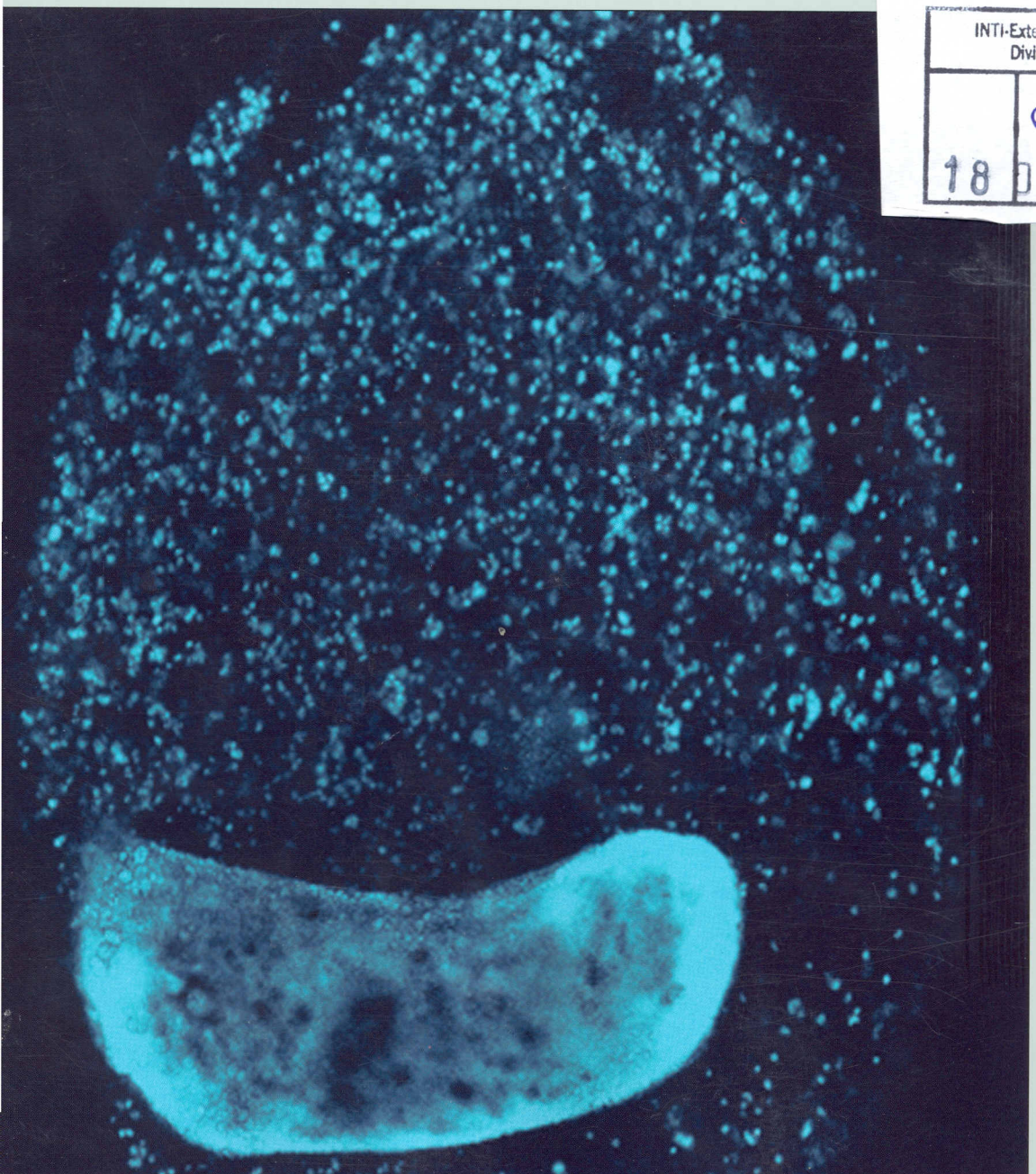

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Cover photograph (): Confocal laser scanning microscope image of a single-cell tomont of the parasitic ciliate *Ichthyophthirius multifiliis*, a common pathogen of freshwater fish. The tomont was stained with 4′,6-diamidino-2-phenylindole (DAPI), which preferentially binds double-stranded DNA, illuminating the large, crescent-shaped macronucleus. Visible throughout the cytoplasm are DAPI-stained endosymbionts, which are newly discovered members of the *Alphaproteobacteria* and *Sphingobacteria*. The tomont is approximately 700 μm by 560 μm. (*See related article on page 7445.*)

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