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COVER

Normal specimen of Octopus hummelini, from Haiti, flashing its two ocelli. The terminal part of the female life cycle is controlled by secretions from the optic glands. These endocrine glands control egg maturation, cessation of sex behavior, cessation of feeding, broodiness, and death. Removal of the glands reverses these effects and increases life-span. See page 948. [Robert Jaffee, Brandeis University, Waltham, Massachusetts]