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COVER

Normal specimen of Octopus humme-
lincki, from Haiti, flashing its two oc
celli. 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. [Rob-
er Jaffee, Brandeis University, Wal-
tham, Massachusetts]