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COVER

Head of a 14-day-old cricket with a normal multifaceted compound eye and
a smaller, extra compound eye above it. The cricket was treated during the
egg stage with a coal liquefaction fuel. A trace impurity in commercial
samples of the chemical acidine produces extra eyes, antennae, and heads in
crickets. Some synthetic fuels derived from coal also produce this effect
(about ×110). See page 51. [E. G. O’Neill, Oak Ridge National Labora-
tory, Oak Ridge, Tennessee]