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Beggiatoa, gliding bacteria, live closely in hostile anaerobic environments with green plants and protect them by oxidizing hydrogen sulfide to sulfur granules (visible in spiral trichome of an isolate from Bernard clay soil, southwestern Louisiana). Reciprocally, a plant root catalase protects Beggiatoa from auto intoxication by decomposing its self-produced hydrogen peroxide (about × 3454). See page 179. [John M. Larkin, Louisiana State University, Baton Rouge, Louisiana]