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Image of spiral origin of wave of adenosine 3',5'-monophosphate (cyclic AMP) being propagated within a monolayer of aggregating Dictyostelium discoideum amoebae. Rotation period is about 7 minutes; wave velocity about 300 micrometers per minute; highest cyclic AMP concentrations are about 10^-8M. Area represented in this image is about 0.3 square centimeter and contains about 150,000 amoebae. See page 443. [Computer image processing by M. J. Potel, Department of Biophysics and Theoretical Biology, University of California]