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PICosecond Kinetics of Reaction Centers Containing Bacteriochlorophyll: T. L. Nettel, P. M. Rentzepis, J. Leigh

Millikelvin Temperatures Measured with a Noise Thermometer: J. C. Wheatley and R. A. Webb

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Meteorological Doppler Radar: R. Lhermitte

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COVER

Photomicrograph (Nomarski interference microscope) of 18 neurosecretory cells from the pars intercerebralis of the brain of an adult cockroach (Periplaneta americana) after 3 weeks of culture in a chemically defined medium. Nerve fibers of a considerably large branch out profusely from the neurosecretory cells and make multiple interconnections (about × 640). See page 291. [K. R. Seshan and R. Levi-Montalcini, Washington University. St. Louis, Missouri]