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Rat cortex showing autoradiographically labeled nerve fibers which appear as whitish bands by dark-field illumination through the microscope. The amino acid isotope marker was injected into the lateral posterior nucleus of the thalamus. The labeled thalamocortical fibers terminate in cortical layers I and VI of the peristriate visual area (top and bottom) but in layers I and V of the striate area (center) (about × 62). See page 532. [Miles Herkenham, National Institute of Mental Health, Bethesda, Maryland]