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Cover
Fluorescence photomicrograph of human chromosomes from a peripheral blood culture. The preparation was treated with serum from a patient having lupus erythematosus and was subsequently stained with fluorescein-labeled horse antihuman globulin. The human serum containing antinuclear factors apparently reacted with the chromosomes. After the subsequent application of fluorescent antibody, the chromosomes could be seen as yellow, glowing structures when stimulated with ultraviolet light. Normal serum did not react with the chromosomes and did not stain with fluorescent antibody. All of the 23 pairs of chromosomes fluoresce. The resting nuclei also show fluorescence (about × 2700). See page 284. [R. S. Krooth, University of Rochester Medical Center, Rochester, New York]