important to note that in the later months of exposure there was a distinct increase in the number of long fibers, up to 70 microns in length, in the lungs with the formation of characteristic long asbestosis bodies.

Chemical analyses (table 10) of the lungs revealed that considerable dust had been retained in the lungs. After 24 months of continuous exposure the average

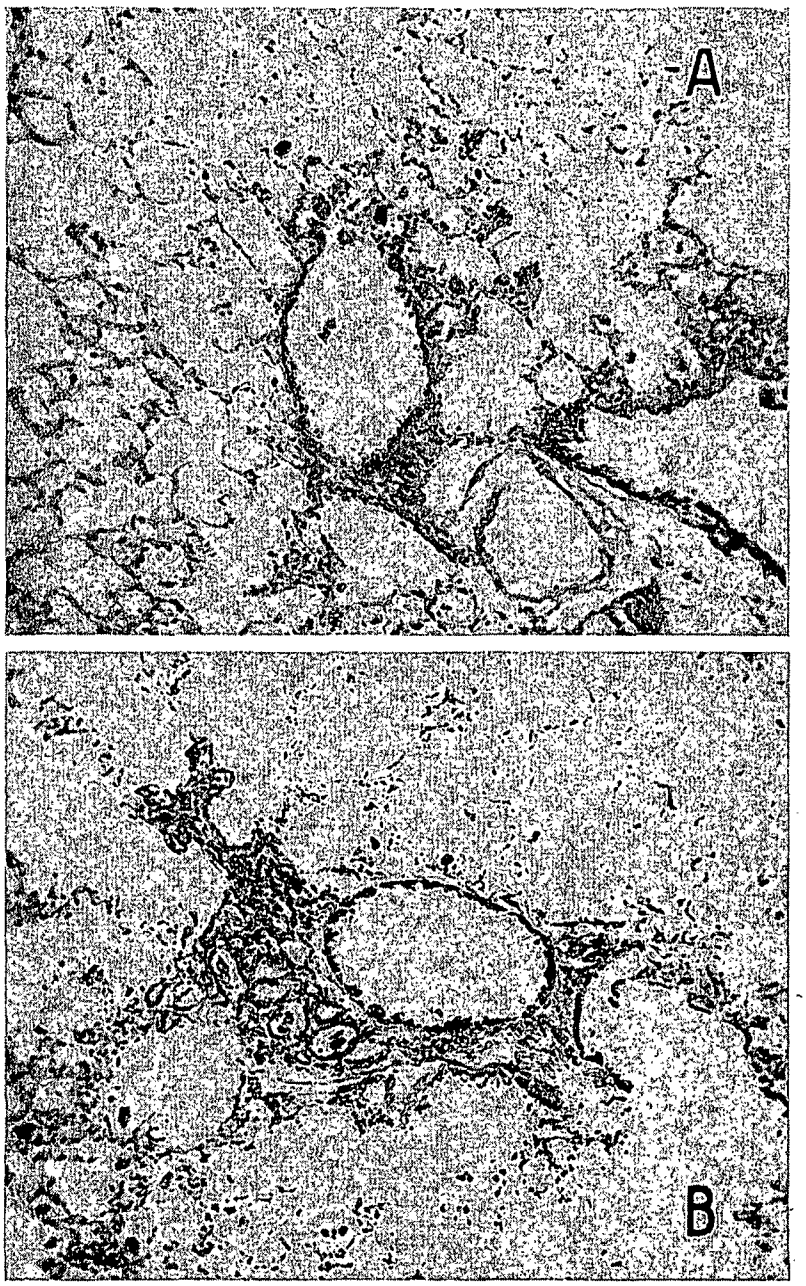


Fig. 6.—Ball-milled asbestos inhalation experiment: *A*, lung of a guinea pig with 24 months' dust exposure. A bronchiole is shown at the center, with a slight accumulation of phagocytic cells but without the formation of collagen (× 200).

B, lung of a guinea pig with 28 months' dust exposure and then 12 months' inhalation of normal air. The reaction is much like that shown in *A*, but there is a slight deposition of collagen, most apparent at the left (× 200).

value for total silica, per cent of ash, was 25.37. This should be contrasted with the average value of 14.34 (table 6) for animals exposed 24 months to the short fiber asbestos dust.