PROCEDURE

Preliminary experiments indicated that the subcutaneous injection of suspensions of insoluble compounds of beryllium did not lead to local granulomatous inflammation in rabbits and rats. Porcine skin bears a greater anatomic resemblance to human skin than does that of any of

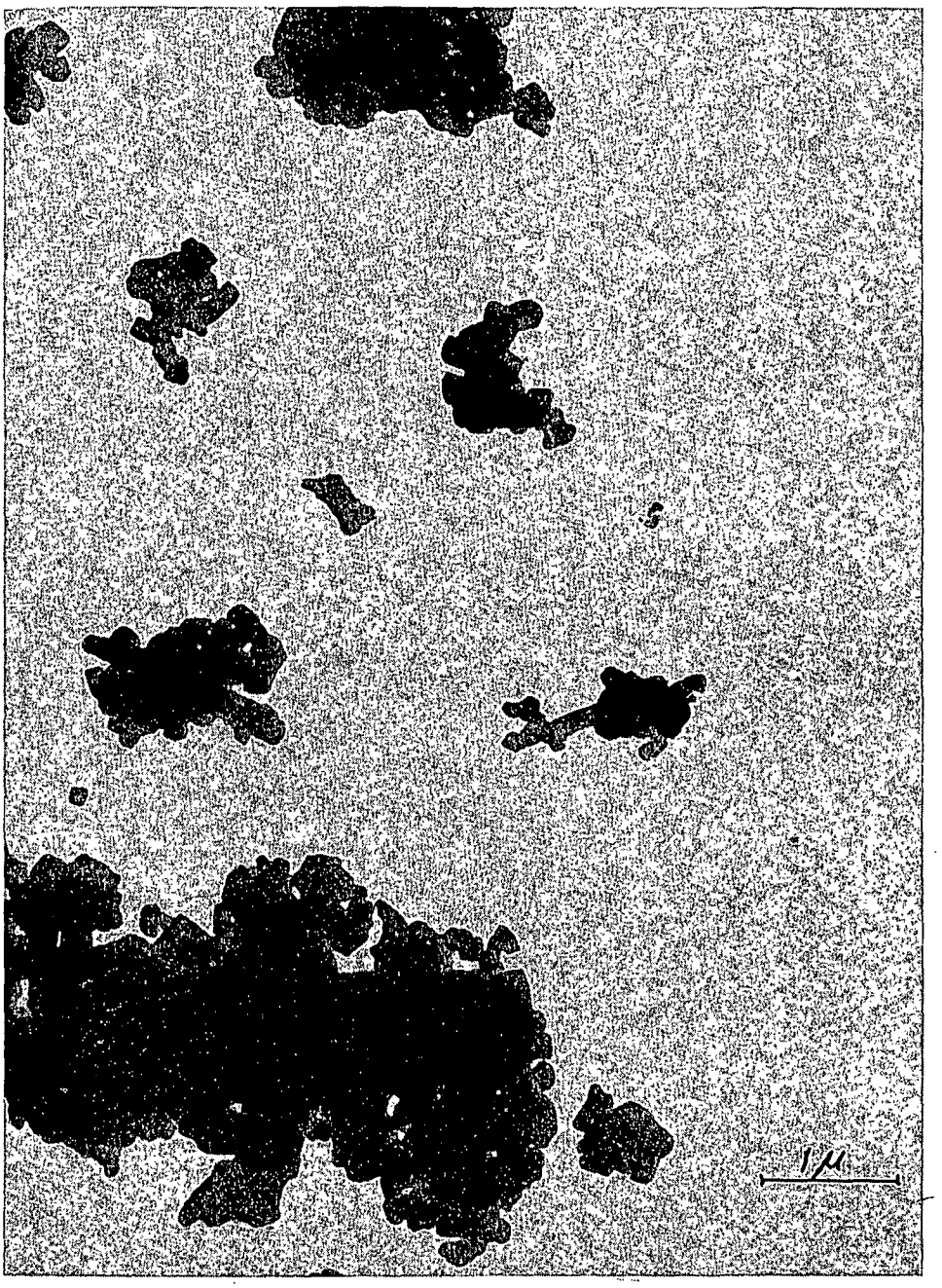

Fig. 2.—Beryllium oxide powder, first calcined at 1200 C. for three hours, and then calcined further at 1370 C. for five hours. The particles have greater density and a greater mean diameter than those of sample A. (Sample B; electron micrograph; × 18,500.)

the common laboratory animals [3]; furthermore, the dermis of the pig is closely attached to the underlying fat, without intervention of loose areolar tissue, so that the relationship of the skin

3. Moritz, A. R., and Henriques, F. C., Jr.: Studies of Thermal Injury: II. The Relative Importance of Time and Surface Temperature in the Causation of Cutaneous Burns, Am. J. Path. **23**:695-720 (Sept.) 1947.