



Plate II

Fig. a. — Selected area electron diffraction of synthetic lithiophorite single crystal. An idealized drawn pattern is shown in Figure 1 in the text.

Fig. b. — Typical product of series 2 (No. 2.9). Carbon replica, Cr shadowed; $\times 15,000$.

Fig. c. — Needle shaped by-product in sample No. 2.8. Direct preparation; $\times 15,000$.

Fig. d. — Same, but carbon replica, Cr shadowed; $\times 25,000$.