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Fig 4.—Chrysotile field at magnification as on EM viewing screen (insert); and photographic enlargement. Even with photographic plate's high contrast, lower-magnification count, only 45 fibers and fibrils were counted; enlargement shows 59 actually present.

elsewhere (A. M. Langer, PhD, unpublished data).[80]

Background Problems.—We have observed that polyvinyl methylal grids which were scanned at the low magnification of 20,000X were void of "background" fibrils. However, other "blank" grids, scanned at higher magnifications of 31,000X were found to sometimes contain a background of single, isolated chrysotile fibrils. The range of values observed in these control grids was zero to two fibrils per field, and no more than nine background fibrils for nine fields per grid scanned.

Observations

Lung Residues.—*Light Microscopy.*—The results of optical microscopic scanning for the 28 cases are given in Table 2. Two preparation techniques are compared, KOH

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