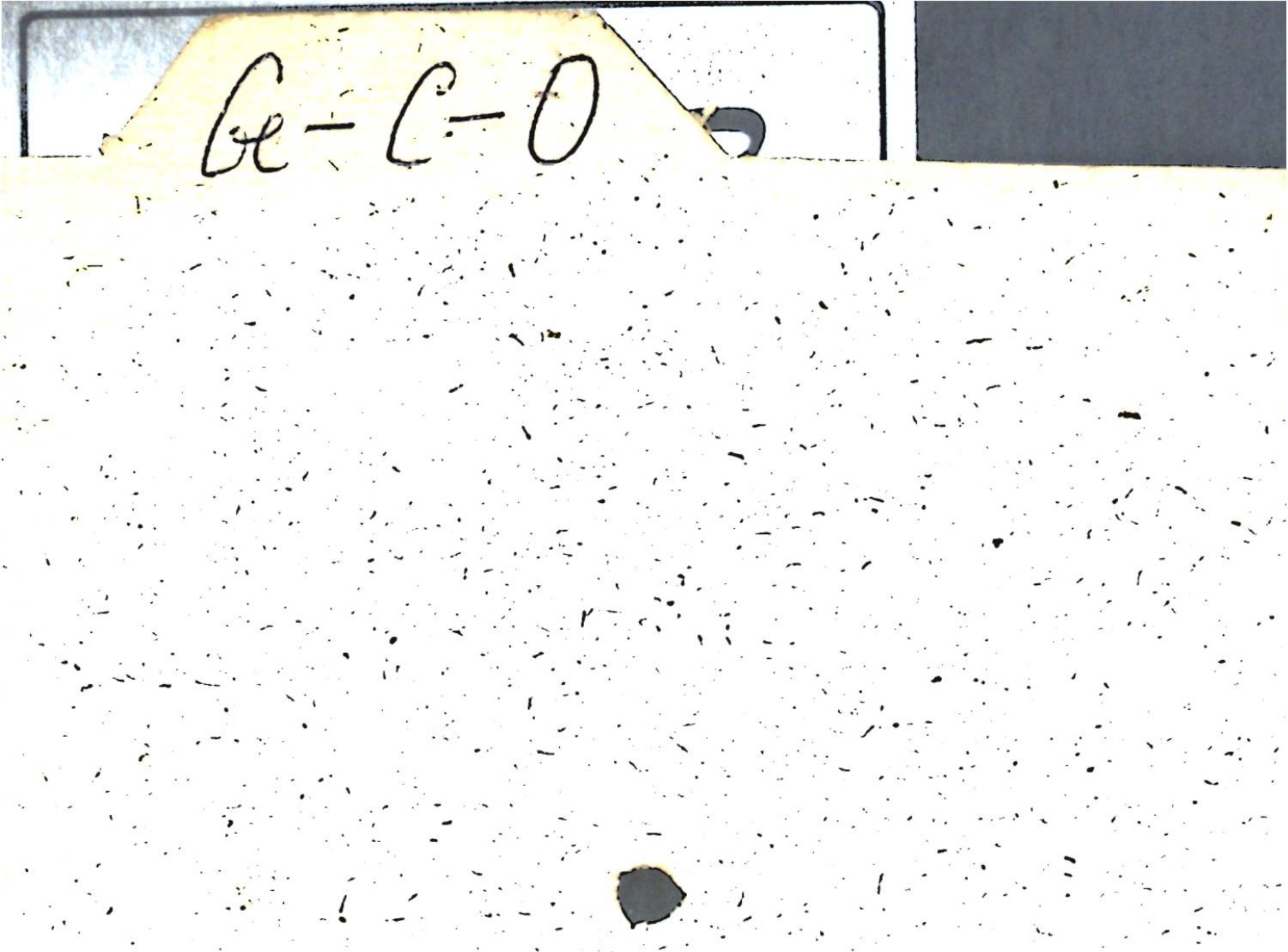
Ge-C-O

$Ge(C_2O_4)_3^{2-}$ XIV – 6250 1974

129945j Interaction of germanium(IV) and oxalic acid in dilute solutions. Nazarenko, V. A.; Flyantikova, G. V. (Odess. Lab., Inst. Obshch. Neorg. Khim., Odessa, USSR). *Ukr. Khim. Zh.* (*Russ. Ed.*) 1974, 40(12), 1235–42 (Russ). Ge(IV) forms an elec. neutral 1:1 oxalate complex according to metal–indicator spectrophotometric and electro-osmotic measurements. The log of the dissocn. const. pK_1^0 is $4.127 - 5.711\mu^{0.5}$, (μ = ionic strength). Ge also forms 1:2 and 1:3 complexes. As the soln. becomes more acidic, these form at lower $C_2O_4^{2-}$ concns. The pK^0 of $Ge(C_2O_4)_3^{2-}$ is $13.85 - 4.348\mu^{0.5}$. J. H. Scott

(Kp)

C. A. 1975. 82. N20