Errata: Stabilization of Superconductivity by Phase-Slip Centers in Current-Carrying Tin Whiskers*

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(Received February 22, 1985)

The abstract should read:

The superconducting-normal transition in quasi-one-dimensional superconductors, such as whiskers, near the critical temperature is characterized by a large region of nonequilibrium superconductivity. Localized phase-slip centers lead to a voltage-step structure in the V-T and V-I characteristics. The width of the transition can be understood even by assuming the whisker to consist of very homogeneous material, because phase-slip centers stimulate the superconductivity in the whole sample, leading to an enhancement of the critical currents of other phase-slip centers. The present work reports quantitative measurements of this phenomenon and a discussion of possible explanations.

Footnote c of Table I should read:

$^cST = dj_c^{2/3}/dT_\infty (\mu A/\mu m^2)^{2/3} K^{-1}$; the slope of the $j_c^{2/3}(T_c)$ straight line, where $j_c = I_c/A$ is the critical current density.

*This paper appeared in *J. Low Temp. Phys.* **58**, 183 (1985).