NOTE OF CORRECTION

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The paper "Homogeneity problems in the theory of Čech compactifications", pp. 409–420 of this volume, contains an error. Normality of $X$ should be added to the hypotheses of Theorem 4.5. That the theorem is false as it stands is shown by the following example (pointed out by Leonard Gillman).

Let $\omega$ and $\Omega$ be the first infinite ordinal and the first uncountable ordinal, respectively. Let $A$ and $B$ be the sets of all ordinals not exceeding $\omega$ and $\Omega$, respectively, with the usual interval topology, and let $S$ be the Cartesian product $A \times B$. Remove the point $(\omega, \Omega)$ from $S$ and let $X$ be the resulting space. Then $X$ is a locally compact Hausdorff space, and the set of points $(n, \Omega)$ ($n \in \mathbb{N}$) is closed, infinite, and discrete. But $\beta X = S$, so that $X^*$ consists of just one point, and is therefore homogeneous.

Normality of $X$ is needed to establish the result of step (b) in the proof of Theorem 4.5. The error in the proof occurs in the last sentence of (b).