## ERRATUM TO "THE TOPOLOGICAL COMPLEMENTATION THEOREM À LA ZORN"

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There is a gap in the proof of [1]. In the notation of that paper if M is open in  $M' = M \cup \{q\}$  and  $p \in B_s(a)$  for some  $a \in X$ , then  $p \in B_{s'}(a) = B_s(a)$ , but  $B_{s'}(p) = B_s(p) \cup \{q\} \in B_{s'}(a)$  so  $B_{s'}(p)$  is not well defined. Consequently, we cannot conclude that M = Y. Strengthening the hypothesis by assuming, in addition, that for each member  $(A, s) \in \mathcal{C}$ , A contains a (fixed) maximal  $T_0$  subspace would eliminate the problem. This would yield the result of Gaifman (Steiner) that if every  $T_0$  topology has a (principal) complement, then every topology has a (principal) complement.

The author thanks Horst Hensel and, especially, Henry Sharp, Jr. who first pointed out a counterexample.

## REFERENCES

1. P. S. Schnare, The topological theorem à la Zorn, Proc. Amer. Math. Soc. 35 (1972), 285-286.

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