ERRATUM TO "LOCALLY COMPACT ABELIAN GROUPS 
AND THE VARIETY OF TOPOLOGICAL GROUPS 
GENERATED BY THE REALS"

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Professor U.N. Muhin has pointed out that the proof of Lemma 1 is 
wrong. "That is, any finitely generated subgroup of \(gp\{X\}\) is generated by 
a + b elements. Thus \(gp\{X\}\) is finitely generated" is an incorrect deduc-
tion! As the lemma is a special case of Theorem 2.6 of \[8\], it is, of course, 
correct. It is possible to replace the proof we gave with a similar, but 
correct, one. However, a sneaky way to see that any closed subgroup of a 
compactly generated LCA-group is compactly generated is by observing that 
an LCA-group is compactly generated if and only if its dual group is a Lie 
group, and using the fact that any quotient of a Lie group is a Lie group.

REFERENCE

1. Sidney A. Morris, Locally compact abelian groups and the variety of 
topological groups generated by the reals, Proc. Amer. Math. Soc 34 (1973), 290–
292.

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