CORRECTION TO "NOTES ON SPLITTING EXTENSIONS OF GROUPS"[1]

C.Y. Tang

H. Bechtell has kindly pointed out that there is an error in the proof of the converse part of Theorem 1.6. The theorem remains true by using the following argument.

If Q is a subgroup of L such that $G = QN$ then for $x \in L$, $x = uv$ where $u \in Q$ and $v \in N$. Now $u^{-1}x = v \in L \cap N \subseteq \phi(L)$. whence $L = \{Q, L \cap N\} = Q$.

It should also be pointed out that a more general statement is contained without proof in footnote 2 [2, p. 546].

REFERENCES

1. C.Y. Tang, Notes on splitting extensions of groups. Canad. Math. Bull. 11 (1968) 371-374.

2. D.A. Higman, Remarks on splitting extensions. Pacific. J. Math. 4 (1954) 545-555.

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