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STRICT TOPOLOGY ON PARACOMPACT LOCALLY COMPACT SPACES: CORRIGENDUM

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We have found some errors in our paper [**1**]. We shall use the notation and terminology of [**1**].

First the statement of Lemma 3 needs some changes. The corrected form is:

LEMMA 3. *A subset $A \subset M_t(X, E')$ is equicontinuous if and only if there exists a $p \in P$ such that $A \subset M_{t,p}(X, E')$ and has the properties:*

(i) $\sup \{|\mu|_p(X) : \mu \in A\} < \infty$;

(ii) *given* $\epsilon > 0$, *there exists a compact* $K \subset X$ *such that* $\sup \{|\mu|_p(X \backslash K) : \mu \in A\} \leqq \epsilon$.

The proof given in [**1**] holds for this form.

In Lemma 4, it does not follow from the hypothesis that g_M is bounded. We change and restate the lemma.

LEMMA 4. *Assume E to be normed, and put $F = C_b(X, E)$, $F' = M_t(X, E')$. Let A be a relatively countably compact subset of $(F', \sigma(F', F))$ and assume A to be equicontinuous on $(C_b(X, E), u)$. Then A is equicontinuous on (F, β_0).*

The proof given in [**1**, Lemma 4] holds in this case.

Finally, Theorem 5 needs to be put in the following form:

THEOREM 5. *If E is normed, then $(C_b(X, E), \beta_0)$ is Mackey; if, in addition, E is complete then $(C_b(X, E), \beta_0)$ is strongly Mackey.*

Using the revised Lemma 4, the proof given in [**1**] holds when E is normed.

REFERENCES

1. S. S. Khurana, *Strict topology on paracompact locally compact spaces*, Can. J. Math. *29* (1977), 216–219.

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