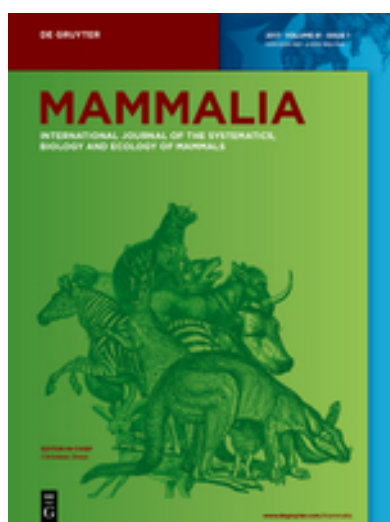


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G. MERRIAM / W. NIEUWENHUIZEN / J. WEGNER**

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Footprints of small mammals. A field method of sampling data for different species

by R. VAN APELDOORN¹, M. EL DAEM², K. HAWLEY³, M. KOZAKIEWICZ²,
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Summary. – A field method for studying small mammals, based on a tracking technique, is presented and discussed. Animal tracks are collected using track registration tubes. Detailed descriptions are given of prints of hand and foot of common species of Europe (*Apodemus flavicollis*, *Apodemus sylvaticus*, *Apodemus agrarius*, *Microtus arvalis*, *Microtus agrestis*, *Microtus aconomus*, *Clethrionomys glareolus*, *Sorex araneus*) and of North America (*Peromyscus leucopus*, *Microtus pennsylvanicus*, *Clethrionomys gapperi*, *Zapus hudsonicus*, *Napaeozapus insignis*, *Tamias striatus*, *Sorex cinereus*, *Blarina brevicauda*).

Some measurements and qualitative descriptions helpful in identifying species and taxonomic groups are selected and evaluated. The track registry method is suggested for sampling various data on spatial dynamics of small mammals.

Résumé. – Une nouvelle méthode basée sur l'étude des traces de petits mammifères est décrite et discutée. Les empreintes de pattes antérieures et postérieures ont été relevées à l'aide de tubes d'enregistrement. Il s'agit des espèces suivantes : *Apodemus flavicollis*, *Apodemus sylvaticus*, *Apodemus agrarius*, *Microtus arvalis*, *Microtus agrestis*, *Microtus aconomus*, *Clethrionomys glareolus*, *Sorex araneus*, *Peromyscus leucopus*, *Microtus pennsylvanicus*, *Clethrionomys gapperi*, *Zapus hudsonicus*, *Napaeozapus insignis*, *Tamias striatus*, *Sorex cinereus*, *Blarina brevicauda*.

Quelques mensurations et descriptions qualitatives permettant d'identifier les espèces et les groupes taxonomiques ont été sélectionnées et évaluées. La méthode susdite est recommandée pour obtenir des données sur la dynamique spatiale de petits mammifères.

1. INTRODUCTION

There is a large number of methods used for collecting field data on small mammals (Flowerdew 1976), but most estimations of species abundance and population

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