

**Zeitschrift:** Mémoires de la Société Vaudoise des Sciences Naturelles  
**Herausgeber:** Société Vaudoise des Sciences Naturelles  
**Band:** 19 (1991-1999)  
**Heft:** 1: The cytogenetics of the Sorex araneus group and related topics

## Inhaltsverzeichnis

### Nutzungsbedingungen

Die ETH-Bibliothek ist die Anbieterin der digitalisierten Zeitschriften auf E-Periodica. Sie besitzt keine Urheberrechte an den Zeitschriften und ist nicht verantwortlich für deren Inhalte. Die Rechte liegen in der Regel bei den Herausgebern beziehungsweise den externen Rechteinhabern. Das Veröffentlichen von Bildern in Print- und Online-Publikationen sowie auf Social Media-Kanälen oder Webseiten ist nur mit vorheriger Genehmigung der Rechteinhaber erlaubt. [Mehr erfahren](#)

### Conditions d'utilisation

L'ETH Library est le fournisseur des revues numérisées. Elle ne détient aucun droit d'auteur sur les revues et n'est pas responsable de leur contenu. En règle générale, les droits sont détenus par les éditeurs ou les détenteurs de droits externes. La reproduction d'images dans des publications imprimées ou en ligne ainsi que sur des canaux de médias sociaux ou des sites web n'est autorisée qu'avec l'accord préalable des détenteurs des droits. [En savoir plus](#)

### Terms of use

The ETH Library is the provider of the digitised journals. It does not own any copyrights to the journals and is not responsible for their content. The rights usually lie with the publishers or the external rights holders. Publishing images in print and online publications, as well as on social media channels or websites, is only permitted with the prior consent of the rights holders. [Find out more](#)

**Download PDF:** 28.11.2025

**ETH-Bibliothek Zürich, E-Periodica, <https://www.e-periodica.ch>**

## The cytogenetics of the *Sorex araneus* group and related topics

Proceedings of ISACC's Second International Meeting

Lausanne and Arzier, 12 - 16 september, 1990

Edited by J. HAUSSER

### CONTENTS

G.B. SHARMAN—History of discovery and recognition of XY <sub>1</sub> Y <sub>2</sub> systems and chromosomes polymorphism in mammals.....	7
J.B. SEARLE, S. FEDYK, K. FREDGA, J. HAUSSER and V.T. VOLOBOUEV—Nomenclature for the chromosomes of the common shrew ( <i>Sorex araneus</i> ) .....	13
B.M.N. WALLACE, J.B. SEARLE and S. GARAGNA—Oogenesis in common shrew homozygous and heterozygous for Robertsonian rearrangements.....	23
S.J. MERCER, J.B. SEARLE and B.M.N. WALLACE—Meiotic studies of karyotypically homozygous and heterozygous male common shrews .....	33
S. GARAGNA, J.B. SEARLE and C.A. REDI—Whole-arm rearrangement in the common shrew in a wider context .....	45
J.M. WÓJCIK—Chromosomal polymorphism in the common shrew <i>Sorex araneus</i> and its adaptative significance .....	51
J. ZIMA—Is the trend toward low 2Na numbers inescapable for <i>Sorex araneus</i> populations ?.....	63
S.J. MERCER and J.B. SEARLE—Preliminary analysis of a contact zone between karyotypic races of the common shrew ( <i>Sorex araneus</i> ) in Scotland.....	73
J. HAUSSER, F. BOSSHARD, P. TABERLET and J. WÓJCIK— Relationships between chromosomes races and species of <i>Sorex</i> of the <i>araneus</i> group in the western Alps .....	79
C.R. NEET and J. HAUSSER—Biochemical analysis and determination of living individuals of the Alpine karyotypic races and species of the <i>Sorex araneus</i> group .....	97
P. TABERLET, L. FUMAGALLI and J. HAUSSER—mtDNA comparison of the Alpine chromosomal races and species of the <i>Sorex araneus</i> group: preliminary results.....	107
J. ZIMA—Banded chromosomes of <i>Sorex daphaenodon</i> : A comparison with <i>S. araneus</i> (Mammalia, Insectivora).....	119
A. MEYLAN and J. HAUSSER—The karyotype of the North American <i>Sorex tundrensis</i> (Mammalia, Insectivora) .....	125
V. VOLOBOUEV and B. DUTRILLAUX—Chromosomal evolution and phylogenetic relationships of the <i>Sorex araneus-arcticus</i> species group .....	131
E. CAPANNA—Concluding remarks. <i>Mus domesticus</i> and <i>Sorex araneus</i> faced: two speciation models compared.....	141