

Social Dynamics of the Montane Vole, Microtus montanus
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During August a series of about 175 animals was trapped at various sites to assess reproductive parameters of the population. Approximately 95 blood plasma samples were taken and frozen for a later androgen assay in the Laboratory. Material was saved for ageing.

Attention was concentrated throughout September and into mid-October on several sites selected for further study on the basis of August trapping. Population estimates were made at two sites by a capture-recapture procedure. Data obtained during this period on home range were then supplemented by following with a scintillation probe selected animals tagged with subcutaneously injected irradiated tantalum (Ta-182) wire. Observations were made of live animals in the field under filtered light at traps and tracking stations. Some behavioral tests were made in the field and in the laboratory. At the end of the study an attempt was made to trap-out each area.

Reproduction data obtained at the study sites were supplemented by additional trapping elsewhere to document the cessation of breeding. Some animals were collected to add to the laboratory colony at Cornell.

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