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Sagebrush-Grass Competition  
Alan Beetle  
University of Wyoming  
Project Number 64

During the year the program of study on sagebrush sites and populations has been intensified. There can now be recognized six distinct species in the big sagebrush group which occur in Wyoming. Of these Artemisia cana, A. nova, and A. viscidula are uniform in occurrence but A. tridentata may be divided into four ecotypes, A. arbuscula into two, and A. tripartita into two. The distribution pattern of these types has been determined. Further study is now underway to characterize these areas as to site to determine evolutionary relationships and to relate Wyoming sagebrush types to sagebrush patterns occurring in other western states.

(Financed by Wyoming Agriculture Experiment Station through Inter-regional Research Program.)

Factors Affecting the Ecology of the Teton National Forest  
Alan Beetle and Collaborators  
University of Wyoming  
Project Number 85

This project intends to study community ecology in the Teton National Forest; to study and identify poisonous plants of the Teton National Forest; to determine environmental changes attributable to livestock and elk population; and to establish qualitative and quantitative objectives of management for the development of range condition classes in Teton County. The first year of a projected five years on this study was spent in the location of relict and protected areas, and in studying these areas in relation to both game and livestock ranges. Principal attention is being paid to areas within the Teton National Forest.

(Grant from Wyoming Natural Resources Board to Wyoming Agriculture Experiment Station.)