

Range Management Theses 1966

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The Range Management Educational Council in cooperation with the Journal of Range Management annually publishes the titles of theses and dissertations completed during the current year (Kinsinger and Eckert, 1961, 1962; Box, 1966). The purpose of the listing is to speed up the dissemination of new information on range research. Copies of theses or dissertations may be borrowed through inter-library loan, some are available on microfilm.

The M.S. and Ph.D. theses completed in 1966 are listed below by schools. Asterisks identify the Ph.D. theses.

UNIVERSITY OF ARIZONA

Galt, Henry DeLoss. The botanical composition of steer diet on a semi-desert range. 99 p.

BRIGHAM YOUNG UNIVERSITY

Conrad, Paul W. Summer soil and air temperatures in four plant communities. 72 p.

Foster, Robert H. Distribution of the major plant communities in the Great Basin area of Utah. 71 p.

Smith, Howard Duane. Mammal populations and their effects on red elderberry in the Mud Creek Sheep Allotment, Strawberry Valley, Utah. 70 p.

Wood, Benjamin W. An ecological life history of budsage in western Utah. 85 p.

UNIVERSITY OF CALIFORNIA

McDougald, Neil K. Herbage growth of five California annual range plants in response to frequency and time of clipping. 77 p.

COLORADO STATE UNIVERSITY

Charlton, M. Grazed plant utilization method. 74 p.

Fish, E. B. Secondary succession on the upper Kiowa Creek Watershed. 102 p.

Fisher, A. G. Seasonal trends of root reserves in blue grama and western wheatgrass. 55 p.

Malachek, J. C. Cattle diets on pine bunchgrass range. 69 p.

*Smith, E. L. Soil-vegetation relationships of some *Artemisia* types in North Park, Colorado. 203 p.

UNIVERSITY OF IDAHO

*Dahl, Billy E. Environmental factors related to medusahead distribution. 122 p.

McKendrick, Jay Dee. An investigation of certain vegetation changes over a ten-year period on five southern Idaho rangeland seedings. 111 p.

FORT HAYS KANSAS STATE COLLEGE

Eulert, Gene K. The effects of five edaphic factors on the production of a side-oats grama (*Bouteloua curtipendula*) community.

MONTANA STATE UNIVERSITY

Dolan, John Joseph. Long-term responses of dense clubmoss (*Selaginella densa* Rydb.) to range renovation practices in northern Montana. 83 p.

Johnson, James Russell. The effects of some environmental influences on big sagebrush (*Artemisia tridentata* Nutt.) reinvasion. 100 p.

UNIVERSITY OF NEBRASKA

*Hoehne, O. E. Cattle preferences as related to chemical components of native range plants. 127 p.

Rittenhouse, L. R. Phenological and environmental influences on foliage cover as measured by the focal-point technique. 77 p.

*Streeter, C. L. Methods of estimating the digestibility and voluntary intake of range forage consumed by grazing cattle. 150 p.

UNIVERSITY OF NEVADA

Berg, Robert Henry. An evaluation of selected Nevada deer ranges: condition, forage potential, and deer-livestock competition. 196 p.

Doughty, Larry Arthur. 1966. Food habits and nutrition of mule deer (*Odocoileus hemionus hemionus* Rafinesque) on four Nevada ranges. 96 p.

McAdams, Kenneth Ray. Vegetation and cattle responses to grazing treatments on crested wheatgrass. 103 p.

Townsend, William Thomas. Plant characteristics relating to the desirability of rehabilitating the *Arctostaphylos patula*-*Ceanothus velutinus*-*Ceanothus prostratus* Association on the east slope of the Sierra Nevada.

Wilkie, Charles Faye. Range condition and trend by frequency sampling. 137 p.

NEW MEXICO STATE UNIVERSITY

DeGarmo, Harlan C. Water requirement and production of eight desert plant species under four soil moisture levels. 45 p.

Groce, Verl Lynn. Vegetational characteristics of range sites on pinyon-juniper-grassland range in south-central New Mexico. 67 p.

Sosebee, Ronald Eugene. Effects of soil temperature and moisture on seedling emergence and initial growth. 61 p.

OKLAHOMA STATE UNIVERSITY

Bryan, Gerald Guy. Grass seedling growth and establishment as influenced by fertilization and weed control. 31 p.

OREGON STATE UNIVERSITY

*Bailey, Arthur Wesley. Forest associations and secondary plant succession in the southern Oregon Coast Range. 166 p.

*Bedell, Thomas Erwin. Seasonal cattle and sheep diets on *Festuca arundinacea*-*Trifolium subterraneum* and *Lolium perenne*-*Trifolium subterraneum* pastures in western Oregon. 283 p.

Hickman, Otis Eugene. Seasonal trends in the nutritive content of important range forage species near Silver Lake, Oregon. 95 p.

Pessot, Rafael. Evaluation of species composition by four methods on two perennial grass pastures (*Festuca arundinacea* Schreb. and *Lolium perenne* L.) grazed lightly and heavily in western Oregon. 93 p.

*Sharp, Lee A. Vegetation and animal responses to grazing crested wheatgrass at three intensities and two seasons in southern Idaho. 135 p.

*Urness, Philip Joel. Influence of range improvement practices on composition, production, and utilization of *Artemisia* deer winter range in central Oregon. 183 p.

TEXAS A&M UNIVERSITY

Bowmer, William Jackson. Establishment of bermudagrass (*Cynodon dactylon* (L.) Pers.) seeded with annual ryegrass (*Lolium multiflorum* Lam.) 42 p.

Raddle, Kenneth Albert. Salivary influences upon levels of certain chemical constituents in forage residues collected from esophageally cannulated sheep. 45 p.

TEXAS TECHNOLOGICAL COLLEGE

Chamrad, A. D. Winter and spring

food habits of whitetailed deer on the Welder Wildlife Refuge. 181 p.

Powell, J. Forage production following selected brush control practices in south Texas. 68 p.

Rodgers, J. D. Seasonal protein content of some important range grasses in Lynn County, Texas. 49 p.

UTAH STATE UNIVERSITY

Hussain, Ijaz. Plan B Reports.

1. A tentative classification of grassland types of West Pakistan as a basis for range management planning. 76 p.
2. Preliminary studies of germination requirements of shadscale (*Atriplex confertifolia* (Torr. & Frem.) Wats.). 37 p.

Young, Melvin Chester. Botanical composition, nutritive content and

digestibility of diets of cattle and sheep under single and common use on mountain range. 89 p.

UNIVERSITY OF WYOMING

Cary, Lawrence E. A study of forest margins. 90 p.

*Jozwik, Francis X. A biosystematic analysis of the slender wheatgrass complex. 109 p.

Lujan, Leandro E. Revegetation of strip-mined areas in southwestern Wyoming. 82 p.

Robinson, Larry D. The vegetation and small mammals of the juniper zone in north-central Wyoming. 115 p.

*Severson, Keith E. Grazing capacities and competition of pronghorn antelope and domestic sheep in Wyoming's Red Dester. 119 p.

Sutherland, James O. Responses of

the *Asteraceae* to grazing disturbances in Wyoming. 65 p.

Wakkuri, Myron J. A vegetation continuum in Sublette County, Wyoming. 58 p.

*Wight, J. Ross. Site and vegetation characteristics and relationships of juniper communities in northwestern Wyoming. 130 p.

LITERATURE CITED

Box, THADIS W. 1966. Range management theses 1961-1965. *J. Range Manage.* 19:310-313.

KINSINGER, F. E., AND R. E. ECKERT. 1961. Range management theses since 1955. *J. Range Manage.* 14: 51-54.

KINSINGER, F. E. AND R. E. ECKERT. 1962. Range management theses for 1960 and 1961. *J. Range Manage.* 15:57-58.