

CURRENT LITERATURE

RANGE PLANTS: *Forage value, chemical composition, ecology, physiology, systematics*

- BURTON, G. W., AND J. S. ANDREWS (Ga. Coastal Plain Exp. Sta., Tifton, Ga.). Recovery and viability of seeds of certain southern grasses and lespedeza passed through the bovine digestive tract. *Jour. Agr. Res.* 76: 95-103, Feb. 1948.
- CHRISTENSON, F. W., T. H. HOPPER, AND O. A. STEVENS (N. Dak. Agr. Exp. Sta., Fargo, N. Dak.). Digestible nutrients and metabolizable energy in Russian-thistle hays and silages. *Jour. Agr. Res.* 76: 73-93, Feb. 1948.
- COOK, C. W., L. E. HARRIS, AND L. A. STODDART (Utah State Agr. Coll., Logan, Utah). Measuring the nutritive content of a foraging sheep's diet under range conditions. *Jour. Animal Science* 7: 170-180, May 1948.
- CURTIS, J. C. AND M. L. PARTCH (Botany Dept., Univ. Wisconsin, Madison, Wis.). Effect of fire on the competition between blue grass and certain prairie plants. *Amer. Mid. Naturalist* 39: 437-443, Mar. 1948.
- GALLUP, W. D. AND H. M. BRIGGS (Okla. Agr. Exp. Sta., Stillwater, Okla.). The apparent digestibility of prairie hay of variable protein content, with some observations of fecal nitrogen excretion by steers in relation to their dry matter intake. *Jour. Animal Science* 7: 110-116, Feb. 1948.
- HARLAN, J. R. (U. S. Southern Great Plains Field Sta., Woodward, Okla.). Tucson side-oats grama: an improved strain. *Okla. Agr. Exp. Sta. Bull.* B-319: 123-125, Mar. 1948.
- MURPHY, H. F., H. W. STATEN, AND W. C. ELDER (Okla. Agr. Exp. Sta., Stillwater, Okla.). The effect of fertilizers on grass seed production. *Okla. Agr. Exp. Sta. Bull.* B-319: 85-90, Mar. 1948.
- OOSTING, H. J. (Duke Univ., Durham, N. Carolina). The study of plant communities. W. H. Freeman & Co., San Francisco, Calif. 389 pp. illus. 1948. \$4.50.
- SAVAGE, D. A. (U. S. Southern Great Plains Field Sta., Woodward, Okla.). Native sand lovegrass: a new seed and pasture crop for the Great Plains. *Okla. Agr. Exp. Sta. Bull.* B-319: 126-129, Mar. 1948.
- SAVAGE, D. A. AND V. G. HELLER (U. S. Southern Great Plains Field Sta., Woodward, Okla.). Nutritional qualities of range forage plants in relation to grazing with beef cattle on the Southern Plains Experimental Range. *U. S. Dept. Agr. Tech. Bull.* 943: 1-61, Dec. 1947.
- SPRAGUE, V. G. (U. S. Regional Pasture Res. Lab., State College, Penn.). The relation of supplementary light and soil fertility to heading in the greenhouse of several perennial forage grasses. *Jour. Amer. Soc. Agron.* 40: 144-154, Feb. 1948.
- SULLIVAN, J. T. AND R. J. GARBER (U. S. Regional Pasture Res. Lab., State College, Penn.). Chemical

composition of pasture plants with some reference to the dietary needs

of grazing animals. Penn. Agr. Exp. Sta. Bull. 489: 1-61, Nov. 1947.

RANGE AND PASTURE MANAGEMENT: *Management plans, surveys, utilization, maintenance*

- ALLRED, B. W. (Soil Conservation Service, Box 1898, Ft. Worth, Texas). Conservation of grazing land in Oklahoma. Okla. Agr. Exp. Sta. Bull. B-319: 104-114, Mar. 1948.
- BENTLEY, J. R. AND M. W. TALBOT (Calif. For. & Range Exp. Sta., Berkeley, Calif.). Annual-plant vegetation of the California foothills as related to range management. Ecology 29: 72-79, Jan. 1948.
- CANFIELD, R. H. (Southwestern For. & Range Exp. Sta., Tucson, Ariz.). Perennial grass competition as an indicator of condition of Southwestern mixed grass ranges. Ecology 29: 190-204, Apr. 1948.
- COOK, C. J., C. W. COOK, AND L. E. HARRIS. (Utah State Agr. Coll., Logan, Utah). Utilization of Northern Utah summer range plants by sheep. Jour. Forestry 46: 416-425, June 1948.
- FUELLEMAN, R. F., W. L. BURLISON, AND W. G. KAMMLADE. (Ill. Agr. Exp. Sta., Urbana, Ill.). Methods of management of a brome grass-alfalfa mixture. Jour. Animal Science 7: 99-109, Feb. 1948.
- KILLINGER, G. B. (Fla. Agr. Exp. Sta., Gainesville, Fla.). Effect of burning and fertilization of wire grass on pasture establishment. Jour. Amer. Soc. Agron. 40: 381-384, May 1948.
- NELSON, B. (Tonto Natl. For., Phoenix, Ariz.). Are Southwestern yearlong ranges yearlong? Jour. Forestry 46: 457-459, June 1948.
- NEWELL, L. C. AND F. D. KEIM (Nebr. Agr. Exp. Sta., Lincoln, Nebraska). Effects of mowing frequency on the yield and protein content of several grasses grown in pure stands. Nebr. Agr. Exp. Sta. Res. Bull. 150: 1-36, 1947.
- PETERSON, M. L. AND H. D. HUGHES (Iowa Agr. Exp. Sta., Ames, Iowa). Modernizing pastures. Iowa Agr. Exp. Sta. Bull. 86: 832-858, 1948.
- WEAVER, J. E. AND R. W. DARLAND (Botany Dept., Univ of Nebraska, Lincoln, Nebr.). Changes in vegetation and production of forage resulting from grazing lowland prairie. Ecology 29: 1-29, Jan. 1948.
- WHITE, W. T. (Soil Conservation Service, Box 671, Portland, Oregon). Planning range conservation on Western ranges. Jour. of Soil and Water Conservation 3: 37-40, 54, Jan. 1948.
- YOUNG, V. A. AND G. F. PAYNE (Texas A & M, College Station, Texas). Utilization of key browse species in relation to proper grazing practices in cutover western white pine lands in northern Idaho. Jour. Forestry 46: 35-40, Jan. 1948.

RANGE IMPROVEMENT: *Natural and artificial revegetation, noxious plant control, mechanical improvements*

- DICKEY, P. B., O. K. HOGLUND, AND B. A. MADSON (Soil Conservation Service, Pleasanton, Calif.). Effect of fertilizers on the production and

- season of use of annual grass range in California. *Jour. Amer. Soc. Agron.* 40: 186-188, Feb. 1948.
- ELWELL, H. W. (Okla. Agr. Exp. Sta., Stillwater, Okla.). Preliminary report of chemicals for brush control. *Okla. Agr. Exp. Sta. Bull. B-139*: 41-44, Mar. 1948.
- JUDD, B. IRA (Ariz. State College, Tempe, Ariz.). Range reseeding on the Tonto National Forest in Arizona. *Jour. Amer. Soc. Agron.* 40: 567-568, June 1948.
- MANN, D. T. AND R. S. HAYS (Soil Conservation Service, Fredericksburg, Texas). Effect of grass on invasion of cedar. *Jour. Soil and Water Conservation* 3: 49, Jan. 1948.
- McILVAIN, E. H. (U. S. Southern Great Plains Field Sta., Woodward, Okla.). Grazing value of reseeded grasses. *Okla. Agr. Exp. Sta. Bull. B-139*: 115-118, Mar. 1948.
- VALENTINE, K. A. (N. Mexico Agr. Exp. Sta., College Station, New Mexico). Effect of water-retaining and water-spreading structures in revegetating semidesert range land. *New Mexico Agr. Exp. Sta. Bull.* 341: 1-22, 1947.
- WELCH, J. F. AND C. L. TERRELL (Rocky Mtn. For. & Range Exp. Sta., Ft. Collins, Colo.). Rodent control activities in connection with grass adaptability studies. *Jour. Forestry* 46: 379-380, May 1948.

RANGE INFLUENCES: *Forests, watershed protection, wildlife, recreation*

- BAILEY, R. W. (Intermountain For. & Range Exp. Sta., Ogden, Utah). Reducing runoff and siltation through forest and range management. *Jour. Soil and Water Conservation* 3: 24-31, Jan. 1948
- BAILEY, R. W., G. W. CRADDOCK AND A. R. CROFT (Intermountain For. & Range Exp. Sta., Ogden, Utah). Watershed management for summer flood control in Utah. *U. S. Dept. Agr. Misc. Publ.* 639: 1-24, Dec. 1947.
- FITCH, H. S. (Univ. of Kansas, Lawrence, Kansas). Study of coyote relationships on cattle range. *Jour. Wildlife Management* 12: 73-78, Jan. 1948.
- MURIE, A. (National Park Service, Mt. McKinley Natl. Park, Alaska). Cattle on grizzly bear range. *Jour. Wildlife Management* 12: 57-72, Jan. 1948.
- PRESNALL, C. C. (U. S. Fish & Wildlife Service, Washington, D. C.). Applied ecology of predation on livestock ranges. *Jour. Mammalogy* 29: 155-161, May 1948.
- WOODS C. N. (U. S. Forest Service, Ogden, Utah). Floods and the grazing of livestock on the watersheds of Utah. *Jour. Forestry* 46: 387-389, May 1948.

RANGE AND LIVESTOCK ECONOMICS: *Land utilization, public land administration, cost of production, coordination of range and ranch*

- CARHART, A. H. (Denver, Colo.). Our public lands in jeopardy. *Jour. Forestry* 46: 409-416, June 1948.
- HOCKMUTH, H. R. (Utah State Agr. Coll., Logan, Utah). Federal range lands and the rancher in the Intermountain region. *Jour. Forestry* 46: 159-164, Mar. 1948.

TAYLOR, E. H. (Assoc. Editor, Country Gentleman, Philadelphia, Penn.). Our changing land policy. Jour.

Soil and Water Conservation 3: 5-12, 56, Jan. 1948.

RANGE LIVESTOCK MANAGEMENT: *Production, feeding, marketing*

BAKER, E. T. (Univ. of Idaho, Moscow, Ida.). Management and feeding of sheep. Orange Judd Publ. Co., Inc., New York. 396 pp. illus. 1947. \$3.50.

BURNS, R. H. (Wyo. Agr. Exp. Sta., Laramie, Wyo.). Greasy and clean weights of Wyoming range fleeces. Wyoming Agr. Exp. Sta. Bull. 285: 1-46, June 1948.

HOWE, P. E., H. M. HARSHAW, AND T. E. WOODWARD (U. S. Dept. Agr., Washington, D. C.). A handbook for better feeding of livestock. U.

S. Dept. Agr. Misc. Cir. 12 (revised): 1-71, Oct. 1947

KAMMLADE, W. G. (Univ. of Ill., Urbana, Ill.). Sheep science. J. B. Lippincott Co., Chicago, Phila., and N. Y. 534 pp. illus. 1947. \$5.00.

WENTWORTH, E. N. (Armour and Company, Chicago, Ill.). America's sheep trails—history and personalities. Iowa State College Press, Ames, Iowa. 667 pp. illus. 1948. *Compiled by:* ROBERT A. DARROW, Texas A & M, College Station, Texas.