5-1-1932

Index Bulletin G - Indexing Bulletins 122-187

University of Wyoming Agricultural Experiment Station

Follow this and additional works at: http://repository.uwyo.edu/ag_exp_sta_bulletins

Part of the Agriculture Commons

Publication Information

This Full Issue is brought to you for free and open access by the Agricultural Experiment Station at Wyoming Scholars Repository. It has been accepted for inclusion in Wyoming Agricultural Experiment Station Bulletins by an authorized administrator of Wyoming Scholars Repository. For more information, please contact scholcom@uwyo.edu.
UNIVERSITY OF WYOMING

AGRICULTURAL

EXPERIMENT STATION

INDEX BULLETIN G

MAY, 1932

Indexing Bulletins Nos. One Hundred Twenty-Two to One Hundred Eighty-Seven, Inclusive.
Annual Reports Nos. Thirty to Forty-One, Inclusive
Circulars Nos. 16 to 25, Inclusive.
State Farms Bulletins 1 to 7, Inclusive.

Bulletins will be sent free upon request.
Address: Director of Experiment Station, Laramie, Wyoming.
UNIVERSITY OF WYOMING
Agricultural Experiment Station
LARAMIE, WYOMING

BOARD OF TRUSTEES

* Officers

WILL M. LYNN .......... President
WALLACE C. BOND ....... Vice President
FRED W. GEDDES ......... Treasurer
FAY E. SMITH ............ Secretary
E. O. FULLER ........... Fiscal Agent

Executive Committee

WILL M. LYNN FRED W. GEDDES JOSEPH A. ELLIOTT WALLACE C. BOND

Appointed Members Term Expires
1921 JOSEPH A. ELLIOTT 1933
1921 FRED W. GEDDES 1933
1925 HARRIETT T. GRIEVE 1937
1927 WILL M. LYNN 1933
1929 WALLACE C. BOND 1935
1929 MABELLE G. OVIATT 1935
1931 N. D. MORGAN 1937
1931 MARY SCOTT EMBREE 1937
1932 J. M. SCHWOBB 1935

A. M. CLARK, Acting Governor of Wyoming........ Ex Officio
KATHARINE A. MORTON, State Superintendent of Public Instruction... Ex Officio
A. G. CRANE, Ph.D., President of the University........ Ex Officio

STATION STAFF

Administration:
A. G. CRANE, Ph.D., President.
J. A. HILL, B.S., Dean of College of Agriculture; Director of Station.
W. L. QUAYLE, B.S., Director Experiment Farms.
JANE M. NEAL, Station Clerk.

Agronomy and Agricultural Economics:
A. F. VASS, Ph.D., Agronomist.
GLEN HARTMAN, M.S., Asst. Agronomist.
T. J. DUNNEWALD, M.S., Asst. Soil Investigations.
HARRY PEARSON, B.S., Asst. Economist.
W. A. RIEDL, B.S., Asst. Agronomist.
M. REINHOLT, Asst. Field Economist.

Animal Production:
FRED S. HULTZ, Ph.D., Animal Husbandman, Beef Cattle.

Apiculture and Entomology:
C. L. CORKINS, M.S., Research Associate Entomologist and Apiculturist.
* A. P. STURTEVANT, Ph.D., Associate Apiculturist, in charge U. S. Bee Culture Field Station.
* C. L. FARRAH, Ph.D., Associate Apiculturist.

Botany:
AVEN NELSON, Ph.D., Botanist and Horticulturist.

Chemistry:
O. A. BEATH, M.A., Station Chemist.
O. C. McCREARY, Ph.D., Associate Chemist.
J. H. DRAIZE, Ph.D., Asst. Pharmacologist.
H. F. EPSON, M.S., Asst. Chemist.

Home Economics:
ELIZABETH J. MCKITTRICK, M.S., Home Economics.
EMMA J. THIESSEN, M.A., Asst. Home Economics.

Library:
MARY E. MARKS, B.L.S., Librarian.

Veterinary Science and Bacteriology:

Weather:
FRANK E. HEIPNER, M.S., Head of Weather Station.

Wool:
J. A. HILL, B.S., Wool Specialist.
ROBERT H. BURNS, Ph.D., Asst. Wool Specialist.

Zoology:
JOHN W. SCOTT, Ph.D., Zoologist and Parasitologist.

*On leave tin cooperation with U. S. Dept. of Agriculture.
$Deceased.
LIST OF THE PUBLICATIONS
OF THE
WYOMING AGRICULTURAL EXPERIMENT STATION
AND STATE FARMS

Index to Bulletins Nos. 122 to 187, inclusive, Annual Reports Thirty to Forty-One, inclusive, Circulars Nos. 16 to 25, inclusive, and State Farms Bulletins Nos. 1 to 7, inclusive.

BY
JANE M. NEAL

LIST OF ALL BULLETINS AND
ANNUAL REPORTS


*Bulletin No. 4—December, 1891. Meteorology for 1891. B. C. Buffum.

*FIRST ANNUAL REPORT, 1891—D. McLaren. General Statement regarding Station Work, with Bulletins Nos. 1 to 4, inclusive.


*Bulletin No. 8—October, 1892. Irrigation and Duty of Water. B. C. Buffum.

*Bulletin No. 9—December, 1892. Sugar Beets in 1892. E. E. Slosson.


*SECOND ANNUAL REPORT, 1892. A. A. Johnson. General Statements, with Bulletins Nos. 5 to 10.


*Out of print.
Wyoming Agricultural Experiment Station


*THIRD ANNUAL REPORT, 1893. A. A. Johnson.

Progress of Station Work, with Bulletins Nos. 11 to 16.


*Bulletin No. 18—June, 1894. I. Reclamation of Arid Lands. II. The Harvey Water Motor. A. A. Johnson.

*Bulletin No. 19—September, 1894. Squirrel-Tail Grass (Fox-Tail); One of the Stock Pests of Wyoming. Aven Nelson.


*FOURTH ANNUAL REPORT, 1894. A. A. Johnson.

Reports from the Departments, with Bulletins Nos. 17 to 20.


*FIFTH ANNUAL REPORT, 1895. A. A. Johnson.


*Bulletin No. 27—March, 1896. Meteorology for 1895, and Notes on Climate from 1891 to 1896. J. D. Conley.


*Out of print.
Index Bulletin G


*SIXTH ANNUAL REPORT, 1896. F. P. Graves.  
Reports from Departments. Bulletins Nos. 27 to 31, inclusive.


*SEVENTH ANNUAL REPORT, 1897. F. P. Graves.  


*EIGHTH ANNUAL REPORT, 1898. F. P. Graves.  
General Outline of Work and Reports from Members of Station Staff, including Bulletins Nos. 34 to 37, inclusive.


*NINTH ANNUAL REPORT, 1899. E. E. Smiley.  
General Outline of the Work of the Agricultural College, with Departmental Statements.


Report of the Director of the Experiment Station and of the Members of the Station Staff.

Alkali Studies, III. B. C. Buffum.

Alkali Studies, IV. E. E. Slosson.


Bulletins Nos. 38 to 40, inclusive, and Index Bulletin B of Bulletins Nos. 27 to 37, inclusive.


*Bulletin No. 44—April, 1900. Alfalfa as a Fertilizer. B. C. Buffum.


*Out of print.
TENTH ANNUAL REPORT, 1900. E. E. Smiley.
General Outline of the Work of the Agricultural College, with Departmental Statements.
Report of the Director of the Experiment Station and of the Members of the Station Staff.
Alkali Studies, V. B. C. Buffum and E. E. Slosson.
Distribution of Alkali in the Soil of the Experiment Farm. E. E. Slosson.
Water Measurements. B. C. Buffum.
Germination of Wheat and Oats Treated for Smut.
Bulletins Nos. 41 to 45, inclusive.

ELEVENTH ANNUAL REPORT, 1901. E. E. Smiley.
Report of the Director of the Experiment Station and of the Members of the Station Staff, and Summaries of Bulletins 46 to 49, inclusive.

TWELFTH ANNUAL REPORT, 1902. E. E. Smiley.
Report of the Director of the Experiment Station, including Press Bulletins Nos. 1 to 11 (New Series), inclusive, and Reports of the Members of the Station Staff and Summaries of Bulletins 50 to 53, inclusive.

*Out of print.
Index Bulletin G


*THIRTEENTH ANNUAL REPORT, 1902-3. B. C. Buffum. Reports of the Director of the Experiment Station and Members of the Station Staff, including five Press Bulletins (New Series), Nos. 12 to 16, inclusive, and outlines of Index Bulletins C and Bulletins Nos. 54 to 58, inclusive.


*FOURTEENTH ANNUAL REPORT, 1903-4. B. C. Buffum. Reports of the Director of the Experiment Station and Members of the Station Staff, including Outlines of Bulletins Nos. 59 to 62, inclusive, and The Ranchman's Reminder.


*FIFTEENTH ANNUAL REPORT, 1904-5. B. C. Buffum. Reports of the Director of the Experiment Station and Members of the Station Staff, including Outlines of Bulletins Nos. 63 to 66, inclusive; the Fourteenth Annual Report, and The Ranchman's Reminder.


*Out of print.
Wyoming Agricultural Experiment Station

*SIXTEENTH ANNUAL REPORT, 1905-6. B. C. Buffum.
Reports of the Director of the Experiment Station and Members of the Station Staff, including Outlines of Bulletins Nos. 67 to 70, inclusive.


*Index Bulletin D—July, 1907, Indexing Bulletins 54 to 75.

*SEVENTEENTH ANNUAL REPORT, 1906-7. B. C. Buffum.
Reports of the Director of the Experiment Station and Members of the Station Staff, including Outlines of Bulletins Nos. 71 to 75, inclusive, The Ranchman's Reminder, and Index Bulletin D.


EIGHTEENTH ANNUAL REPORT, 1907-8. J. D. Towar.
Reports of the Director of the Experiment Station and Members of the Station Staff, including Outlines of the Seventeenth Annual Report, Bulletins 75 to 78, Index Bulletin D, and The Ranchman's Reminder.


NINETEENTH ANNUAL REPORT, 1908-9. J. D. Towar.
Report of the Director of the Experiment Station and Members of the Station Staff, including Outlines of Bulletins 79 to 82.


*Out of print.
TWENTIETH ANNUAL REPORT, 1909-10. J. D. Towar.
Reports of the Director of the Experiment Station and Members of the Station Staff.
*Bulletin No. 87—February, 1911. Wyoming Forage Plants and Their Chemical Composition—Studies No. IV. Henry G. Knight, Frank E. Hepner, and Aven Nelson.

Reports of the Director of the Experiment Station and Members of the Station Staff, including Summaries of Bulletins 86 to 88, and as a supplement, Studies on the Strength and Elasticity of the Wool Fiber, No. 1. The Probable Error of the Mean, by J. A. Hill, Wool Specialist.
*Bulletin No. 91—December, 1911. The relation of the Sheep-Tick Flagellate (Crithidia melophagia) to the Sheep's Blood. Leroy D. Swingle.


TWENTY-SECOND ANNUAL REPORT, 1911-12. H. G. Knight.
Reports of the Director of the Experiment Station and Members of the Station Staff, including Summaries of Bulletins 90 to 93, and Press Bulletins 1 to 4 in full.
*Bulletin No. 95—September, 1912. I. A Comparison of Cotswold and Southdown Grade Lambs. II. Fattening Rations for Aged Ewes. A. D. Faville.

Bulletin No. 96—October, 1912. Ration Experiments with Swine. I. (a) Rape vs. Pea Pasture for Fattening Pigs; (b) Alfalfa Meal vs. Middlings as Corn Supplement. II. (a) Rape vs. Pea Pasture for Brood Sows; (b) Alfalfa Hay for Brood Sows. A. D. Faville.

*Out of print.
TWENTY-THIRD ANNUAL REPORT, 1912-13, H. G. Knight.
Reports of the Director of the Experiment Station and Members of the Station Staff, including Summaries of Bulletins 95 to 98, and Press Bulletins 5 to 12 in full.


*Bulletin No. 100—September, 1913. Meteorology for Twenty Years. H. G. Knight and J. C. Fitterer.


TWENTY-FOURTH ANNUAL REPORT, 1913-1914. H. G. Knight.
Reports of the Director of the Experiment Station and Members of the Station Staff, including Summaries of Bulletins 99 to 102, and Press Bulletin 13 in full, a Paper on the Transmission of Swamp Fever, by J. W. Scott, and the Meteorological Summary.


Index Bulletin E—March, 1915. Indexing Bulletins 76 to 98 and Annual Reports 18 to 23, inclusive.

Reports of the Director of the Experiment Station and Members of the Station Staff, including Summaries of Bulletins 103 to 105 and Index Bulletin E, and Three Special Articles—A Progress Report on Sarcocystis Tenella, by John W. Scott; Branding Paints, by A. D. Faville; One Instance of the Occurrence of Tuberculosis Among Wyoming Cattle and Its Significance, by O. L. Prien, and the Meteorological Summary.


*Out of print.
Index Bulletin G


Reports of the Director of the Experiment Station and Members of the Station Staff, including Summaries of Bulletins 106 to 109, and the Meteorological Summary.


*Bulletin No. 111—December, 1916. Alfalfa in Wyoming. T. S. Parsons,


Reports of the Director of the Experiment Station and Members of the Station Staff, including Summaries of Bulletins 110 to 113, and Three Special Articles—Cut Worms, How Can They be Controlled? by J. W. Scott; Alkali and Weathering Studies with Wool, by J. I. Hardy; Permanent Pastures and Meadows, by T. S. Parsons, and the Meteorological Summary.


Reports of the Director of the Experiment Station and Members of the Station Staff, including Summaries of Bulletins 114 to 117, Two Special Articles—A Progress Report on Sarcocystis Tenella. II. Seasonal Infection, by J. W. Scott; Wyoming Forage Plants and Their Chemical Composition, Studies No. 5, by F. E. Hepner, and the Meteorological Summary.


*Bulletin No. 120—June, 1919. The Chemical Examination of Three Species of Larkspurs. O. A. Beath.


*Out of print.
TWENTY-NINTH ANNUAL REPORT, 1918-1919. A. D. Faville.

Reports of the Director of the Experiment Station and Members of the Station Staff, including a special report on "The Effects of Some of the Most Common Sheep Dips on Wool," by J. I. Hardy, and the Meteorological Summary.


*Index Bulletin F—Indexing Bulletins 91 to 121, Annual Reports 24 to 29 and Circulars 13 to 15.

THIRTIETH ANNUAL REPORT, 1919-1920. A. D. Faville.

Reports of the Director of the Experiment Station and Members of the Station Staff, including Summary of Bulletin No. 117, Financial Statement of the Treasurer, and the Meteorological Report.


Report of the Director of the Experiment Station and Members of the Station Staff, including Financial Statement of the Treasurer and the Meteorological Report.


THIRTY-SECOND ANNUAL REPORT, 1921-1922. J. A. Hill.

Reports of the Acting Director of the Experiment Station and Members of the Station Staff, including Financial Report of the Treasurer and the Meteorological Report.


*Out of print.

Reports of the Director of the Experiment Station, including Summaries of Bulletins 135 and 136, Financial Report of the Treasurer, and the Meteorological Report.


THIRTY-FOURTH ANNUAL REPORT, 1923-1924. J. A. Hill.


Bulletin No. 143—June, 1925. Chemical Examination of Three Delphiniums. O. A. Beath.

THIRTY-FIFTH ANNUAL REPORT, 1924-1925. J. A. Hill.
Reports of the Director of the Experiment Station, including Summaries of Bulletins 140 to 143, Financial Report of the Treasurer, and the Meteorological Report.


*Bulletin No. 146—June, 1926. Wyoming Forage Plants and Their Chemical Composition—Studies No. 7. E. N. Roberts.


THIRTY-SIXTH ANNUAL REPORT, 1925-1926. J. A. Hill.
Reports of the Director of the Experiment Station, beginning work under the Purnell fund, including Summary of Bulletins 144 to 147, Financial Report of the Treasurer, and the Meteorological Report.


*Out of print.
Index Bulletin G


Reports of the Director of the Experiment Station, including Summaries of Bulletins 167 to 172, Financial Report of the Treasurer, and the Meteorological Report.


Reports of the Director of the Experiment Station, including Summaries of Bulletins 171, 173 to 180, Financial Report of the Treasurer, and the Meteorological Report.


*Out of print.
Wyoming Agricultural Experiment Station

PRESS BULLETINS
(Out of Print)

FIRST SERIES*

No. 1. Russian Thistle.
No. 2. Seed Distribution.

SECOND SERIES†

No. 3. Sacaline.
No. 5. Cooperative Sugar Beet Tests.

No. 1. Feeding Value of Wheat.
No. 2. Results of Lamb Feeding at the Wyoming Experiment Station.
No. 3. Alfalfa.
No. 4. Turkeys in Wyoming.
No. 5. What is a Maintenance Ration for a Horse?
No. 6. The Effect of Different Amounts of Water Used in Irrigation Upon the Yields of Potatoes.
No. 7. Management and Improvement of the Range.
No. 8. What Ails the Chickens?

No. 9. Alfalfa vs. Wheat Bran for Milch Cows.
No. 10. Maintenance Ration for Driving Horse.
No. 11. External Parasites of Sheep.
No. 14. To the Grocers, Druggists and Saloon keepers of Wyoming.
No. 15. How to Prevent Smut in Grain.
No. 16. Potato Disease and Treatment of Seed.

THIRD SERIES‡

Issued Since January, 1912

No. 1. Flockmasters, Warning! Shun the Woody Aster Patches.
No. 2. Suggestions to Potato Growers on Irrigated Lands.
No. 3. Alfalfa Leaf Weevil.
No. 4. Watch Your Potatoes.
No. 5. Pasture Crops for Pigs.
No. 6. Preparation of Lands for First Crops.

No. 7. Treatment of Loose and Stinking Smut.
No. 8. Formaldehyde Treatment for Grain and Potatoes.
No. 9. Importance of Proper Seed.
No. 11. Extermination of Prairie Dogs and Gophers.
No. 12. State and County Fairs.
No. 13. Plant Enemies.

*Nos. 1, 2 and 3 appear in the 5th, and No. 5 in the 7th Annual Reports of the Station. No record can be found of a No. 4 in this series.
†The first eleven of this series appear in the 12th, and the rest in the 13th Annual Reports of the Station.
‡Nos. 1, 2, 3 and 4 appear in the 22nd, Nos. 5, 6, 7, 8, 9, 10, 11 and 12 in the 23rd, and No. 13 in the 24th Annual Reports of the Station. While all the Press Bulletins themselves are out of print, the Annual Reports containing some of them are still available for distribution.

Circular No. 4, published 1897, "Sugar Beet Experiments," by E. E. Slosson, may have been Press Bulletin No. 4, First Series, because there is no record of Press Bulletin No. 4 being published during that year.
CIRCULARS†

*15. Legume Inoculation.

*Out of print.
†Circulare begin with No. 13 following the Press Bulletin series. Through an oversight, numbering started with 13 instead of 14. Circular No. 1, "Directions for Selecting Seed, Planting, Cultivating and Caring for the Potato Crop," by T. S. Parsons, was published in 1913. The numbering of this circular seems to bear no relationship to either the Press Bulletin or Circular series above.

STATE FARMS BULLETINS


*Out of print.
†Published as Experiment Station Bulletin No. 148.
ALPHABETICAL LIST OF PUBLICATIONS

Issued by the Wyoming Agricultural Experiment Station and State Farms.

B. = Wyoming Experiment Station Bulletin.
C. = Circular.
S.F. = State Farms Bulletin.

Abortion Disease in Wyoming. C. 18.
Artificial Incubation at High Altitudes. B. 169.
Avian Type of Tuberculosis in Cattle: Injection and Testing. B. 136.

Bacterial Wilt of Alfalfa. B. 177.
Barley Production and Varieties for Wyoming. B. 164.
Barley Tests at the Sheridan Field Station. B. 185.

Chemical and Pharmological Examination of the Woody Aster. B. 123.
Chemical Examination of the Silvery Lupine. B. 125.
Chemical Examination of Three Delphiniums. B. 143.
Climatological Data for Wyoming. B. 139.
Comparative Tests of the Caucasian with the Italian Race of Honeybees. B. 186.
Comparison of Corn Ensilage and Sunflower Ensilage for Dairy Cows. S.F. 3.

Dietary Studies of Farm Families in Albany and Lincoln Counties, Wyoming. B. 165.
Division of State Farms. S.F. 7.

Effect of Alkali and Weathering Upon the Wool of Range Sheep. B. 131.
Effect of Alkali on Portland Cement, II. B. 122.
Experimental Transmission of Swamp Fever or Infectious Anemia by Means of Secretions. B. 138.

Fallow for Small Grains. B. 150.
Feeding and Housing for Laying Hens. B. 149.
Feeding Yearling Steers. C. 17.

Garbage for Fattening Pigs. B. 135.
Grain Mixtures Supplementary to Wyoming Native Hay for Milk Production. B. 182.

Homegrown Feeds for Range Steers. B. 128.

Insect Transmission of Swamp Fever or Infectious Anemia of Horses. B. 133.

Lessons from the University Dairy Herd. B. 160.
Lupine Studies II—The Silvery Lupine. B. 144.
Making Bread from Wyoming Flour. B. 162.
Metabolism of the Honeybee Colony During Winter. B. 175.
Metabolism of Honeybees in Winter Cluster. B. 187.
Methods of Spring Wheat Tillage. B. 173.
Mexican Bean Beetle. B. 176.
Micrometer Caliper as an Instrument for Measuring the Diameter of Wool Fibers. B. 141.

Native Feeds for Fattening Lambs. B. 130.


Poisonous Plants of Wyoming. B. 126.
Range and Ranch Studies in Wyoming. B. 147.
Range Sheep Production on the Red Desert and Adjoining Areas. B. 156.
Regain of Unwashed Wool. B. 132.
Results with Tree Planting at the Sheridan Field Station. B. 163.
Rocky Mountain Head Lettuce. C. 19.

Sarcocystis Tenella. B. 124.
Service of the State Experiment Farms. S.F. 5.
Shelterbelts and Fruits. B. 179.
Soil Problems of the Wheatland Project. B. 168.
Some Results from Agricultural Stations over the State from 1923 Report. S.F. 4.

Sterilization of Brood Combs Infected with American Foulbrood. B. 166.
Studies in the Variation and Correlation of Fleeces from Range Sheep. B. 127.

Studies on Roup Vaccination in Chickens. B. 172.
Study of Potato Seed Treatment for Rhizoctonia Control. B. 152.
Sunflowers, Their Culture and Use. B. 129.
Surface Tension of Disinfecting Solution for American Foulbrood. B. 159.

Trees on the Farm. C. 20.
Tuberculosis of Fowls. B. 142.
Type in Two-Year-Old Beef Steers. B. 155.
Type of Beef Calves. B. 153.

Use of Calcium Cyanide in the Apiary. B. 158.

Varietal Tests with Wheat at the Sheridan Field Station. B. 171.
Vegetable Cookery at High Altitudes. B. 180.

Wintering Range Calves. B. 134.
Wyoming Forage Plants and Their Chemical Composition. B. 137, B. 146, B. 157, B. 184.

Wyoming Hay for Milk Production. B. 145.
INDEX

BULLETINS NOS. ONE HUNDRED TWENTY-TWO TO ONE
HUNDRED EIGHTY-SEVEN
ANNUAL REPORTS NOS. THIRTY TO FORTY-ONE
CIRCULARS NOS. 16 TO 25
STATE FARMS BULLETINS 1 TO 7

         B. = Wyoming Experiment Station Bulletin.
         C. = Circular.
         S.F. = State Farms Bulletin.
         Page numbers follow colon.

Abortion Disease in Wyoming, C. 18.
    Cause, C. 18.
    Symptoms, C. 18.
    Treatment for, C. 18.
    Vaccines, C. 18.

Aconite, B. 126: 34-35.

Agronomy Department reports:


Alexander, M. A., and Hultz, Fred S.,
    Studies With Hampshire Sheep, No. I, B. 178.

Alfalfa, Bacterial wilt of, B. 177.

    Life history of, B. 167: 3.
    Physical ecology of, B. 167.

    Chemical reactions of, B. 122: 4.
    Control of, A.R. 40: 37; A.R. 41: 47.
    Effect on wool fiber, A.R. 30: 140.
    Effects on Portland cement, B. 122; C. 16.
    Soil, chemical studies of, A.R. 37: 140-141.

American Foulbrood, B. 159; B. 166; A.R. 36: 174-175; A.R. 38: 151-152;

Animal Production Department reports and projects:

Arrow Grass, B. 126: 22-23.

Artificial Incubation at High Altitudes, B. 169.

Avian Type of Tuberculosis in Cattle: Injection and Testing, B. 136.

Bacterial Wilt of Alfalfa, B. 177.
  Causes of, B. 177: 11.
  Control of, B. 177: 16-18.
  Description of, B. 177: 6-10.
  Factors affecting introduction and spread of, B. 177: 15-16.

  Seed treatment of, B. 164: 104-106.
  Tests at Sheridan, B. 185.
  Varietal tests, A.R. 35: 76; B. 185.
  Yields and rotations, S.F. 4: 8-9; B. 150: 41.


Beath, O. A.: Chemical and Pharmacological Examination of the Woody Aster, B. 123.
  Chemical Examination of the Silvery Lupine, B. 125.
  Chemical Examination of Three Delphiniums, B. 143.
  Lupine Studies II, The Silvery Lupine, B. 144.
  Poisonous Plants of Wyoming, B. 126.

Beef Calves, Types in, B. 153.

Bees:
  American foulbrood, sterilization of brood combs infected with, B. 166.
  Caucasian, B. 186: 5.
  Cluster expansion and contraction in relation to external temps., B. 175: 40-46.
  Comparative Test of Caucasian with Italian Race, B. 186.
  Italian, B. 186: 6.
  Metabolism, Temp, levels within the cluster in relation to surrounding temperatures, B. 175: 27-39.
  Metabolism of colony during winter, B. 175; B. 187.
  Use of calcium cyanide in the apiary, B. 158.
  Winter cases for, B. 175: 11-13.

  Description of stages, B. 176: 3-4.
  Distribution of, B. 176: 6-7.
  Effect of temperature and moisture, B. 176: 9-12.
  Seasonal history, B. 176: 5.
Beets, Sugar:
Effect of phosphate on yield, A.R. 41: 52.
Fertilizer for, A.R. 41: 50.
Sugar and garden:
Varieties, C. 14: 2.
Yields, C. 14: 1.

Better Methods of Winter Wheat Production, B. 151.

Score card for, B. 162: 66, 68.


Buildings (See Improvements)
Burns, R. H., and Koehler, W. B.:
Micrometer Caliper as an Instrument for Measuring the Diameter of Wool Fibers, B. 141.

Calcium Cyanide in the Apiary, B. 158.

Cattle:
Carcass studies of beef steers, B. 155: 133-144.
Carcass studies of calves, B. 153: 79-93.
Dairy, Lessons from University, B. 160.
Necrobacillosis (diphtheria) of calves, B. 183.
Raising, Economics of, B. 147: 107-150.
Tuberculosis of, B. 136.
Types of calf measurements, B. 153: 73.
Types of two-year-old beef steer measurements, B. 155: 128.

Cement:
Changes in strength of neat, B. 122: 17.
Compression strength of, B. 122: 24-27.
Effect of alkali on, B. 122; C. 16.
Physical changes of, B. 122: 9.

Cement blocks:
Average strength before and after being in salt solution for various periods, B. 122: 18-19.
Change in strength during a period in salt solutions, B. 122: 20-21.
Chemical analysis of, after 30 months' immersion in various solutions, B. 122: 28.
Strength before and after given periods in salt solution, B. 122: 22-23.

Cereals, improvement of, A.R. 32: 145-146.

Chemical composition of:
Barley, B. 155: 129.
Cabbage, B. 168: 10.
Corn, B. 148: 7, 9, 13; B. 153: 73.
Corn silage, B. 155: 129.
Cottonseed cake, B. 153: 73; B. 155: 129.
Cracked corn, B. 130: 12.
Index Bulletin G

Delphiniums, B. 143: 12-15.
   Effect of altitude, B. 146: 35-45.
   Effect of shading, B. 146: 74-82.
   Seasonal variations, B. 146: 45-73.
Field peas, B. 168: 10.
Forage plants from Teton County and Yellowstone Park, B. 184: 20-21.
Grasses, B. 157: 93, 99-157; B. 184: 5-8, 12, 15.
Hay, Native, B. 128: 56.
Oat and pea silage, B. 130: 12.
Oat straw, B. 157: 104.
Silvery Lupine, B. 125.
Sunflowers, B. 129: 92-3; B. 130: 12; B. 153: 73; B. 155: 129.
Sweet clover, B. 168: 10.
Tschermigite, B. 168: 11.
Woody Aster, B. 123.
Wyoming forage plants, B. 137: 7-14; B. 146.


Chemistry Department reports and projects:

Chickens:
   Artificial incubation, B. 169.
   Studies on roup vaccination, B. 172.
   Tuberculosis of, B. 142.

Christensen, Axell, and MacMillan, H. G.:
   A Study of Potato Seed Treatment for Rhizoctonia Control, B. 152.

Christensen, Axell, and Quayle, W. L.:
   Feeding and Housing for Laying Hens, B. 149.

Clear days at Laramie, Wyoming, B. 139: 106.

Climatological data for other portions of the state, B. 139: 109-113.

Corkins. C. L.:
   The Metabolism of the Honeybee Colony During Winter, B. 175.
   The Use of Calcium Cyanide in the Apiary, B. 158.

Corkins, C. L., and Gilbert, C. H.:
   A Comparative Test of the Caucasian with the Italian Race of Honeybees, B. 186.

Corkins, C. L., and Gilbert, C. S.:
   The Metabolism of Honeybees in Winter Cluster, B. 187.

Corn:
   Wyoming, for pork, B. 148.
   Yields, A.R. 41: 50.

Yields and rotations, S.F. 4: 9-10.
Costs of feed for:
Beef steers, B. 155: 132.
Yearling steers, C. 17: 2-4.
Cundy, A. T.:
Wyoming Forage Plants and Their Chemical Composition, No. 6, B. 137.

Dairy herd:
Effect of high feed cost because of too liberal feeding on returns from the sale of milk, B. 160: 12-13.
Feeding experiments, B. 160: 7-9, 16-20.
History of University, B. 160: 3-6.
Influence of milk and butterfat production on economy and returns, B. 160: 9-12.
Lessons from University, B. 160.
Variations in percentage of butterfat, B. 160: 31-34.

Death Camas, B. 126: 16-17.
Delphiniums, Three, Chemical Composition of, B. 143.
Control measures, B. 143: 69-70.
Distribution and habitat, B. 143: 51, 55-57.


Dietary Studies of Farm Families in Albany and Lincoln Counties, Wyoming, B. 165.

Cause, B. 183: 4.
Channel of infection, B. 183: 5.
Cultivation of Actinomyces necrophorus, B. 183: 5.
Lesions, B. 183: 9-10.
Prevention, B. 183: 12.
Susceptibility and seasonal variation, B. 183: 6.
Treatment, B. 183: 10-11.


Diseases:
Abortion, C. 18.
Bacterial wilt of alfalfa, B. 177.
Control of scab potatoes, A.R. 40: 40; A.R. 41: 10.
Neorobacillosis (calf diphtheria) of calves, B. 183.
Rhizoctonia of potatoes, B. 152; A.R. 37: 150.
Swamp fever of horses, B. 133.
Tuberculosis of cattle, B. 136.
Tuberculosis of fowls, B. 142.
Disinfecting of brood combs infected with American fouulbrood, B. 166.
Disinfecting solutions for American fouulbrood, B. 159: 119-120.
Dunnewald, T. J.:
Soil Problems of the Wheatland Project, B. 168.

Economics:
Cost of feeding beef steers, B. 155: 132.
Cost of feeding lambs, A.R. 41: 51-52.
Cost of feeding yearling steers, C. 17: 2-4.
Farm labor income, A.R. 41: 12.
Range and ranch management, Campbell and Crook Counties, B. 147: 107-150.
Effect of alkali and weathering upon the wool of range sheep, B. 131.
Effect of Alkali on Portland Cement, C. 16.
Use of light on, A.R. 41: 51.
Elder, Cecil:
Abortion Diseases in Wyoming, C. 18.
Elder, Cecil, Kohn, F. J., and Lee, A. M.:
Studies on Roup Vaccination in Chickens, B. 172.
Elder, Cecil, and Lee, A. M.:
Avian Type of Tuberculosis in Cattle: Injection and Testing, B. 136.
Tuberculosis of Fowls, B. 142.
Elder, Cecil, Lee, A. M., and Scrivner, L. H.:
Necrobacillosis of Calves (calf diphtheria), B. 183.
Entomology and Apiculture Department reports and projects:
Experimental Results on Oats Production, B. 170: 31-38.
Experimental Transmission of Swamp Fever, or Infectious Anemia by Means of Secretions, B. 138.
Experiments:
Cooking dry-land and irrigated potatoes, A.R. 41: 32-34.
In surface tension of liquids, B. 159: 122-129.
On roup vaccination in chickens, B. 172: 4-44.
Tests on tuberculosis in chickens, B. 142: 38-43.
Vitamin C in potatoes, A.R. 41: 34-35.
Wool measuring with the micrometer caliper, B. 141.

Fallow for small grains (Sheridan), B. 150; A.R. 37: 149.
Fallowing with duck foot cultivator compared with plowing, B. 150: 41.

Faville, A. D.:
Director's Annual Report 30; 31.


Feeding experiments, Calves:
Corn, B. 155: 77.
Cottonseed meal, B. 134.
Grain, A.R. 38: 145.
Oat and pea silage, B. 134: 4.
Sunflower silage, B. 134: 4; B. 153: 77.

Feeding experiments, Dairy cows, B. 160; B. 182.
Barley and alfalfa, A.R. 38: 145.
Corn ensilage and Sunflower ensilage, S.F. 3.
Grain and hay, B. 182.

Feeding experiments, Dairy heifers:

Feeding experiments, Hens:

Feeding experiments, Lambs:
Alfalfa hay, B. 130; A.R. 31: 122.
Alfalfa hay and concentrates, A.R. 41: 51, 53.
Corn, alfalfa, molasses, and wet beet pulp, A.R. 35: 92.
Corn, cottonseed cake, and dry beet pulp and alfalfa, A.R. 37: 151.
Cottonseed meal vs. linseed meal, B. 130; A.R. 30: 127.
Cracked corn, B. 130; A.R. 31: 122.
Cull beans with cottonseed cake, A.R. 37: 152.
Native feeds for, B. 130.
Oat and pea silage vs. sunflower silage, B. 130; A.R. 30: 127; A.R. 31: 122.
Silvery lupine seeds, pods, and leaves, B. 144: 8-12.
Sunflower silage, B. 129.
Wet beet pulp and alfalfa, A.R. 37: 151.
Oat and pea silage and alfalfa hay, A.R. 30: 127.
Feeding experiments, Steers, B. 128; B. 155: 131; C. 17.
Beet top silage, corn silage and wet pulp, A.R. 37: 152.
Corn silage with beet top silage with ration of cottonseed and ground barley, A.R. 37: 152.
Cottonseed cake, ground barley, corn silage, wet beet pulp, cut alfalfa, and long alfalfa, A.R. 39: 45-46.
Homegrown feeds, A.R. 40: 43.
On range, B. 128: 67; C. 17: 2.
Bald barley or rye vs. hull barley, A.R. 35: 78.
Barley and wheat supplemented with tankage, minerals and alfalfa, A.R. 40: 37.
Barley, wheat, tankage, minerals, and alfalfa, A.R. 40: 37.
Cold vs. warm feed, A.R. 31: 123.
Corn, ground wheat, ground barley, and ground speltz, A.R. 40: 35.
Corn vs. barley, A.R. 38: 144.
Ground vs. whole barley, A.R. 39: 35.
Home-grown grains, A.R. 41: 45-46.
Hulless barley, A.R. 37: 151.
Oats and peas, A.R. 35: 78.
Rape, A.R. 35: 78.
Rye and barley, with corn, tankage, and minerals, A.R. 41: 15-16.
Rye vs. hull barley, bald barley, or shelled corn, A.R. 35: 78.
Tankage and alfalfa added to corn, A.R. 39: 37.
Feeding yearling steers, C. 17.
Feeds, homegrown for range steers, B. 128.
Field Studies of the Physical Ecology of the Alfalfa Weevil, B. 167.

Fleeces:
Correlation between length of staple and weight of, B. 127: 49-51.
Correlation between weight of produced 1 yr. with wt. of, produced by same animal in subsequent year, B. 127: 44-49.
Studies in variation and correlation, B. 127.
Variability in weight of, B. 127: 39-44.

Crude protein, B. 162: 59.
Wet and dry gluten, B. 162: 59.

Forage plants, B. 137; B. 146; B. 157; B. 184.
Food value, A.R. 36: 171-172.
Food value during fall and winter, B. 184: 13-15.
Teton County and Yellowstone Park, B. 184: 20-21.

Frost data at other points in state, B. 139: 148.

Fumigation:
For control of ants in the apiary, B. 158: 115.
For wax moth, B. 158: 114.
Of bees, B. 158: 111-112.

Garbage for Fattening Pigs, B. 135.

Gilbert, C. H.:
Surface Tension of Disinfecting Solutions for American Foulbrood, B. 159.
The Sterilization of Brood Combs Infected with American Foulbrood, B. 166.

Gilbert, C. H., and Corkins, C. L.:
A Comparative Test of the Caucasian with the Italian Race of Honeybees, B. 186.

Gilbert, C. S., and Corkins, C. L.:
The Metabolism of Honeybees in Winter Cluster, B. 187.

Grain and hay for milk production, B. 182.
Grain, fallow for, A.R. 37: 149.
Seeding, small, A.R. 31: 118.
Yields of, A.R. 41: 40, 43-44, 45, 48.

Grain Mixtures Supplementary to Wyoming Native Hay for Milk Production, B. 182.

Grasses:

Grundmeier, Edith G., and McKittrick, Elizabeth J.:
Making Bread from Wyoming Flour, B. 162.

Hartman, Glen, and Vass, A. F.:
Barley Production and Varieties for Wyoming, B. 164.
Oat Production and Varieties for Wyoming, B. 170.

Wyoming, for milk production, B. 145.

Hays, F. A.:
Feeding Yearling Steers, C. 17.
Homegrown Feeds for Range Steers, B. 128.
Native Feeds for Fattening Lambs, B. 130.

Hepner, Frank E.:
Climatological Data for Wyoming, B. 139.

Hill, J. A.:
Effect of Alkali and Weathering upon the Wool of Range Sheep, B. 131.
Acting Director’s annual report: A.R. 32.
Regain of Unwashed Wool, B. 132.
Studies in the Variation and Correlation of Fleeces from Range Sheep, B. 127.

History of sheep production in Wyoming, B. 156: 10-16.
History of Wyoming’s livestock industry, B. 147: 95-106.

Hogs (See Swine).
Home Economics Department Reports and Projects:

Homegrown Feeds for Range Steers, B. 128.

Honey, Effect of cyanide on, B. 158: 110.

Horses:
Cooperative breeding experiment, A.R. 35: 80.
Swamp fever of, B. 133; A.R. 35-85.
Hultz, Fred S.:
Type in Beef Calves, B. 153.
Wintering Range Calves, B. 134.
Wool Studies with Rambouillet Sheep, B. 154.
Hultz, Fred S., and Alexander, M. A.:
Studies with Hampshire Sheep, No. 1, B. 178.
Hultz, Fred S., and Reeve, Lew P.:
Garbage for Fattening Pigs, B. 135.
Hultz, Fred S., and Paschal, Leo J.:
Hultz, Fred S., and Wheeler, S. S.:
Types in Two-Year-Old Beef Steers, B. 155.

Improvements:

Incubation, Artificial, at high altitudes, B. 169.
Insect Transmission of Swamp Fever or Infectious Anemia of Horses, B. 133.

Insects:
Alfalfa weevil, B. 167.
Destruction of ants in the apiary, B. 158: 115.
Destruction of Bees, B. 158: 111-112.
Destruction of wax moths, B. 158: 114.
Mexican bean beetle, B. 176.

Koehler, W. B., and Burns, R. H.:
Micrometer Caliper as an Instrument for Measuring the Diameter of Wool Fiber, B. 141.

Kohn, Frank J.:
Artificial Incubation at High Altitudes, B. 169.

Kohn, F. J., Elder, Cecil, and Lee, A. M.:
Studies on Roup Vaccination in Chickens, B. 172.

Low, B. 126: 12-13.
Tall, B. 126: 10-11.

Lee, A. M., and Elder, Cecil.
Avian Type of Tuberculosis in Cattle: Injection and Testing, B. 136.
Tuberculosis of Fowls, B. 142.

Lee, A. M., Elder, Cecil, and Kolm, F. J.:
Studies on Roup Vaccination in Chickens, B. 172.

Lee, A. M., Elder, Cecil, Scrivner, L. H.:
Necrobacillosis of Calves (calf diphtheria), B. 183.

Lehnert, E. H.:
Report of Veterinary Department, A.R. 30: 138-140.
Lessons from the University Dairy Herd, B. 160.
Lettuce, Head, C. 19.
Care, C. 19: 8.
Climatic requirements, C. 19: 5.
Costs and returns, C. 19: 10-11.
Production and prices, C. 19: 2-5.
Soils, C. 19: 5.
Loco:
White, B. 126: 24-25.
Woolley or Purple, B. 126: 26-27.

MacMillan, H. G., and Christensen, Axell:
A Study of Potato Seed Treatment for Rhizoctonia Control, B. 152.
Making Bread from Wyoming Flour, B. 162.
Mangels:
Yield, C. 14: 1.
McCready, Otto:
Wyoming Forage Plants and Their Chemical Composition, No. 8, B. 157; No. 9, B. 184.
McKittrick, Elizabeth J.:
Dietary Studies of Farm Families in Albany and Lincoln Counties, Wyo., B. 165.
McKittrick, Elizabeth J., and Grundmeier, Edith G.:
Making Bread from Wyoming Flour, B. 162.
Metabolism of the Honeybee Colony During Winter B. 175; B. 187.
Meteorology reports:
Methods of Spring Wheat Tillage, B. 173.
Summary, A.R. 39: 31-34.
Methods of Winter Wheat Tillage, B. 161.
Micrometer Caliper as an Instrument for Measuring the Diameter of Wool Fibers, B. 141.
Milk Production:
On corn ensilage and sunflower ensilage, S.F. 3: 6-10.
Wyoming hay for, B. 145.
Milkwheat, B. 126: 30-31.
Factors that affect, B. 132: 47.
Native Feeds for Fattening Lambs, B. 130.
Necrobacillosis of Calves (calf diphtheria), B. 183.
Nelson, A. L.:
- Method of Spring Wheat Tillage, B. 173.
- Shelterbelts and Fruits, B. 179.
Nelson, A. L., and Quayle, W. L.:

Oats, Irrigation, B. 170: 16.
Oats on fallow and following small grains and corn, B. 150: 39-40.
Oats production and varieties for Wyoming, B. 170; B. 181; S.F. 4: 8;
Oats production, preparation of seed bed, B. 170: 10-11.
Seed treatment, B. 170: 12-15.
Seeding methods under irrigation, B. 170: 15.
Seeding methods on dry land, B. 170: 16.
O'Roke, Earl C., and Scott, John W.:
- Sarcocystis Tenella, B. 124.

- Of hens, B. 169: 5.
Sheep tick, eradication of, A.R. 35: 84.
Tapeworms in sheep, A.R. 35: 85.
Parasitology and Zoology Department, reports and projects:
Parsons, T. S.:
- Root Crops, C. 14.
Paschal, Leo J., and Hultz, Fred S.:
Pearson, Harry, and Vass, A. F.:
- An Economic Study of Range Sheep Production on the Red Desert
and Adjoining Areas, B. 156.
Pigs (See Swine).
Plant poisoning:
- Contributory causes, B. 126: 4-6.
- In Wyoming, B. 126: 3.
- Preventive measures, B. 126: 7.
Poisonous plants:
- Aconite, B. 126: 34-35.
A.R. 41: 22.
- Delphiniums, B. 143.
Important, B. 126: 6.
Loco, White, B. 126: 24-25.
Woolly or Purple, B. 126: 26-27.
Milkweed, B. 126: 30-31.
Loco, White, B. 126: 24-25.
Woolly or Purple, B. 126: 26-27.
Milkweed, B. 126: 30-31.
Of Wyoming, B. 126.
Slender Psoralea, B. 126: 32-33.
Woody Aster, B. 123; B. 126: 18-19.
Potato seed treatment for rhizoctonia control, B. 152.
Potatoes:
Feeding to hogs, A.R. 33: 66.
Diseases of, B. 142.
Precipitation at:
Alta, Lincoln County, Wyo., B. 139: 115.
Basin, Big Horn County, Wyo., B. 139: 116.
Bedford, Lincoln County, Wyo., B. 139: 117.
Border, Lincoln County, Wyo., B. 139: 118.
Buffalo, Johnson County, Wyo., B. 139: 119.
Centennial, Albany County, Wyo., B. 139: 120.
Cheyenne, Laramie County, Wyo., B. 139: 121.
Chugwater, Platte County, Wyo., B. 139: 122.
Clark, Park County, Wyo., B. 139: 122.
Cody, Park County, Wyo., B. 139: 123.
Douglas, Converse County, Wyo., B. 139: 123.
Dubois, Fremont County, Wyo., B. 139: 124.
Echeta, Campbell County, Wyo., B. 139: 124.
Encampment, Carbon County, Wyo., B. 139: 125.
Ervo, Natrona County, Wyo., B. 139: 125.
Evanson, Uinta County, Wyo., B. 139: 126.
Ft. Laramie, Goshen County, Wyo., B. 139: 127.
Green River, Sweetwater County, Wyo., B. 139: 128.
Hyattsville, Big Horn County, Wyo., B. 139: 128.
Lander, Fremont County, Wyo., B. 139: 129.
Laramie, Albany County, Wyo., B. 139: 87, 89, 90.
Wyoming Agricultural Experiment Station

Lovell, Big Horn County, Wyo., B. 139: 130.
Newcastle, Weston County, Wyo., B. 139: 130.
Painter, Park County, Wyo., B. 139: 131.
Pathfinder, Natrona County, Wyo., B. 139: 132.
Pinebluffs, Laramie County, Wyo., B. 139: 133.
Pine Ridge, Crook County, Wyo., B. 139: 134.
Powell, Park County, Wyo., B. 139: 134.
Rawlins, Carbon County, Wyo., B. 139: 135.
Sheridan, Sheridan County, Wyo., B. 139: 137.
Shoshoni Dam, Park County, Wyo., B. 139: 138.
South Pass, Fremont County, Wyo., B. 139: 139.
Sundance, Crook County, Wyo., B. 139: 139.
Thermopolis, Hot Springs County, Wyo., B. 139: 140.
Wheatland, Platte County, Wyo., B. 139: 141.
Yellowstone Park, Wyo., B. 139: 142.


Quayle, W. L.:
Comparison of Corn Ensilage and Sunflower Ensilage for Dairy Cows, S.F. 3.
Service of the State Experiment Farms, S.F. 5.
Service of the State Experiment Farms (revised edition), S.F. 7.
Some Results from Agricultural Stations over the State, S.F. 4.
Trees for Wyoming Farmers and Ranchmen, C. 21; C. 22; C. 23; C. 24; C. 25.
Trees on the Farm, C. 20.
Wyoming Corn for Pork, B. 148.

Quayle, W. L., and Christensen, Axell:
Feeding and Housing for Laying Hens, B. 149.

Quayle, W. L., and Nelson, A. L.:

Range and ranch studies in Wyoming (Campbell and Crook Counties), B. 147.
Range Sheep Production on the Red Desert and Adjoining Areas, B. 156.

Red Desert:
Location, B. 156: 21.

Regain of Unwashed Wool, B. 132.
Results with Tree Planting at the Sheridan Field Station, B. 163.

Rhizoctonia disease:

Roberts, E. N.:
Wyoming Forage Plants and Their Chemical Composition, No. 7, B. 146.

Rocky Mountain Head Lettuce, C. 19.
Index Bulletin G

Yields, C. 14: 1.

Control of, B. 124: 91.
Experiments and results with, B. 124: 72-88.
Geographical distribution, B. 124: 71.
Relation to other animals, B. 124: 69-70.
Scott, John W.:
Experimental Transmission of Swamp Fever or Infectious Anemia by Means of Secretions, B. 138.
Insect Transmission of Swamp Fever, or Infectious Anemia of Horses, B. 133.
Scott, John W., and O’Roke, Earl C.:
Sarcocystis Tenella, B. 124.
Scrivner, L. H., Elder, Cecil, and Lee, A. M.:
Necrobacillosis of Calves (calf diphtheria), B. 183.

Seed treatment (legumes), C. 15.
Parasite, muscle, Sarcocystis, tenella, B. 124.
Production, history of, B. 156: 10-16.
Range, production on Red Desert and Adjoining Areas, B. 156.
Rank of Rambouillet, correlation between wave characteristics and rank of fleeces, B. 154: 116-119.
Studies with Hampshire, No. 1, B. 178.
Tick, eradication of, A.R. 35: 84.
Wool Studies with Rambouillet, B. 154.

Shelterbelts and fruits, B. 179.
Spacing, B. 179.

Shrubs, B. 179: 9.
Soil preparation, B. 179: 3-4.

Silage:
Sunflower, B. 129.

Silvery Lupine, B. 125; B. 144.
Chemical studies of, B. 144: 12-15.
Description of, B. 125: 101-104.
Feeding tests with sheep, A.R. 35: 81.
Isolation of crystalline hydrochloride, B. 125: 112.
Literature on, B. 125: 105.
Methods of extracting alkaloids in quantity, B. 125: 110.
Purification of alkaloids, B. 125: 111-112.
Relative proportion of seeds and pods, B. 144: 5-8.
Slender Psoralea, B. 126: 32-33.
Snowfall in the state, B. 139: 150.
Soil:
- Phosphorus, A.R. 41: 9.
Some Results from Agricultural Stations over the State from 1923 Report, S.F. 4.


Staff Changes:

State Farms Reports:

Service of, S.F. 4; S.F. 5; S.F. 7.
- Campbell County Experiment Farm, S.F. 5: 60; S.F. 7: 24.
- Cheyenne Experiment Farm, S.F. 7: 13; S.F. 5: 6.
- Fremont County Experiment Farm, S.F. 5: 49; S.F. 7: 28.
- Goshen County Experiment Farm, S.F. 5: 17; S.F. 7: 30.
- Lincoln County Experiment Farm, S.F. 5: 62; S.F. 7: 41.
- Niobrara County Experiment Farm, S.F. 5: 66.
- Sheridan County Experiment Farm, S.F. 5: 41; S.F. 7: 46.
- Sweetwater County Experiment Farm, S.F. 5: 36; S.F. 7: 54.
- Uinta County Experiment Farm, S.F. 5: 26; S.F. 7: 59.
- Washakie County Experiment Farm, S.F. 5: 34; S.F. 7: 68.

State Farms Improvements (See Improvements).


Steers, Range, Homegrown feeds for, B. 128.
- Type of two-year-old beef, B. 155.

Steik, Karl:

Sterilization of Brood Combs Infected with American Foulbrood, B. 166.
- Stormy days at Laramie, Wyoming, B. 139: 103.
- Studies in Variation and Correlation of Fleeces from Range Sheep, B. 127.
- Studies on Roup Vaccination in Chickens, B. 172.

Study of Potato Seed Treatment for Rhizoctonia Control, B. 152.

Sunflowers, Adaptation, B. 129: 95.
- As silage, B. 129: 100.
- Chemical Composition of, B. 129: 92-93.
- Cultivation, B. 129: 99.
- Description, B. 129: 81.
- Feeding value, B. 129: 93-5.
- Planting, B. 129: 97.
Index Bulletin G

Their culture and use, B. 129.
Yields, B. 129: 96-97.

Surface Tension of Disinfecting Solutions for American Foulbrood, B. 159.

Swamp Fever, Experiments with insect transmission of, B. 133: 61.
Features of disease, B. 133: 57-61.

Sweetman, Harvey L.:
Field Studies of the Physical Ecology of the Alfalfa Weevil, B: 167.
The Mexican Bean Beetle, B. 176.

Swine, Early and late farrowing, A.R. 35: 77.
Feeding experiments, A.R. 35: 77.
Garbage for fattening, B. 135.

Tapeworms of sheep (Moniezia expansa and Thysanosoma actinoides),
A.R. 35: 85.


Temperatures at Laramie, Wyoming, B. 139: 91-100.
Over the state, B. 139: 143-147.

Thiessen, Emma J.:
Vegetable Cookery at High Altitudes, B. 180.

Towle, R. S.:
Fallow for Small Grains, B. 150.
Oat Varieties for Northeastern Wyoming, B. 181.
Results with Tree Planting at the Sheridan Field Station, B. 163.
Varietal Tests with Wheat at the Sheridan Field Station, B. 171.

Towle, R. S., and Williams, R. M.:
Barley Tests at the Sheridan Field Station, B. 185.
Tree planting, results with, at Sheridan Field Station, B. 163.

Trees, B. 179; C. 20; C. 21; C. 22; C. 23; C. 24; C. 25.
Age to plant, B. 179: 4.
Care of, B. 179: 7.
Evergreen, B. 179: 6.
For Wyoming Farmers and Ranchmen, C. 21; C. 22; C. 23; C. 24; C. 25.
Planting, B. 179: 6-7; C. 21; C. 22; C. 23; C. 24; C. 25.
Results with planting, B. 163.
Shelterbelt spacings, B. 179: 5.
Soil preparation, B. 179: 3-4; C. 24; C. 25.
Trees on the Farm, C. 20.
Varieties, C. 21; C. 22; C. 23; C. 24; S.F. 4: 13.

Tuberculosis, B. (avian) injection of cattle, B. 140.
Causes and methods of infection, B. 142: 32.
Determining the presence of, B. 142: 37.
Intradernal tests, B. 142: 39.
Lesions and appearance of carcass, B. 142: 32.
Methods of handling, B. 142: 43-46.
Prevention, B. 142: 46.
Reactions to tests, B. 142: 39.
Susceptibility, B. 142: 31.
Symptoms, B. 142: 36.
Tuberculin tests, B. 142: 38.
Yields, C. 14: 1.
Types in Beef Calves, B. 153.
Two-Year-Old Beef Steers, B. 155.

Use of Calcium Cyanide in the Apiary, B. 158.

Vaccination for roup in chickens, B. 172.


Vass, A.F.:
Legume Inoculation, C. 15.
Range and Ranch Studies in Wyoming, B. 147.
Rocky Mountain Head Lettuce, C. 19.
Sunflowers, Their Culture and Use, B. 129.

Vass, A. F., and Hartman, Glen:
Barley Production and Varieties for Wyoming, B. 164.
Oat Production and Varieties for Wyoming, B. 170.

Vass, A. F., and Pearson, Harry:
An Economic Study of Range Sheep Production on the Red Desert and Adjoining Areas, B. 156.

Amount of ingredients, B. 180: 4.
Comparison of low and high altitude, B. 180: 14-18.
Effect of storage, B. 180: 25-27.
Effect on color and flavor, B. 180: 19-23.
Kind of utensils and heat, B. 180: 5.
Percentage of waste in paring, B. 180: 28-29.
Preparation, B. 180: 4.
Steaming, B. 180: 10-12.


Veterinary Science Department reports and projects:

Weather reports (See Meteorology)

Wheat:
Acreage in Wyoming, S.F. 1: 3; S.F. 2: 15.

Wheat, spring:
Conditions affecting production, S.F. 1: 4-9.
On fallow and fallowing small grains and corn, B. 150: 37-38.
Production in Eastern Wyoming, S.F. 1.
Rotations, S.F. 4: 4-5.
Seed bed preparations, A.R. 40: 33.
Tillage methods, B. 173; A.R. 41: 41-42.
Yields, S.F. 1: 10-11.

Wheat, winter:
Conditions affecting production, S.F. 2: 16-20.
Methods of production, B. 150: 37-38; B. 151: 48, 51; B. 161: 41, 44,
Rotations, S.F. 4: 5-7.

Wheeler, S. S., and Hultz, Fred S.:
Type in Two-Year-Old Beef Steers, B. 155.

Wiant, J. S.:
Bacterial Wilt of Alfalfa, B. 177.

Willard, H. S.:
Grain Mixtures Supplementary to Wyoming Native Hay for Milk Production, B. 182.
Lessons from the University Dairy Herd, B. 160.
Wyoming Native Hay for Milk Production, B. 145.

Williams, R. M., and Towle, R. S.:
Barley Tests at the Sheridan Field Station, B. 185.

Wind breaks, A.R. 38: 160.

At other points in the state, B. 139: 151.


Wintering Range Calves, B. 134.

Woody Aster, B. 123; B. 126: 18-19.
Amorphous poison, physical and chemical properties of, B. 123: 60,
Toxicity tests, B. 123: 61.
Blood pressure work, B. 123: 64.
Chemical and Pharmacological Examination of, B. 123.
Ether solution poison, physical and chemical properties, B. 123: 62.
Ether solution poison, toxicity tests, B. 123: 63.

Wool Department Reports and Projects:
Wool experiments, Effect of alkali and weathering, B. 131.
Wool fiber measurements, B. 141; B. 154: 100-114; B. 178: 7-10, 22-23; A.R.
Comparison of microscopic and caliper measurements, B. 141: 21-27.
Showing thickness, B. 141: 20.
Wool samples, location, B. 154: 100.
Wool scouring record, 12 months growth, B. 154: 115-116.
Wool Studies with Rambouillet Sheep, B. 154.
Wyoming Corn for Pork, B. 148.
Wyoming Forage Plants and Their Chemical Composition, Studies No. 6,
B. 137; No. 7, B. 146; No. 8, B. 157; No. 9, B. 184.
Wyoming Hay for Milk Production, B. 145.

Zoology Department (See Parasitology)