OFFICIAL SERIAL PUBLICATIONS of the UNIVERSITY OF MISSOURI SUPPLEMENT 1945-1948
OFFICIAL SERIAL PUBLICATIONS
of the
UNIVERSITY OF MISSOURI

A CHECK LIST
SUPPLEMENT 1945-1948

Compiled by

ANN TODD RUBEY
Head of the Reference Department
University Library

and

MARETTA C. MILLER
Assistant Reference Librarian

Published by the University of Missouri at Room 102, Building T-3, Columbia, Missouri. Entered as second-class matter, January 2, 1914, at the post office at Columbia, Missouri, under the Act of Congress of August 24, 1912. Issued three times a month.—2,000

OCTOBER 10, 1949
PREFACE

This list of University serial publications covering the years 1945 through 1948 has been compiled to supplement the fourth edition of the Official Serial Publications of the University of Missouri: A Check List, which was published in 1945. The basis of selection and grouping used herein is described in detail in the preface to the 1945 publication.

A. T. R.

KEY

The following symbols and abbreviations have been used:

[ ] denotes information supplied by the compilers when such information did not appear on the title page or at the beginning of the publication, and when paging was incomplete.

† denotes a publication not available for examination.

* denotes an apparent discrepancy in the numbering of a publication.

n.d. denotes an undated publication.

n.p. denotes an unpaged publication.
TABLE OF CONTENTS

THE UNIVERSITY OF MISSOURI STUDIES

The University of Missouri Studies ................................................................. 7

THE UNIVERSITY OF MISSOURI BULLETIN

General Series ........................................................................................................ 8
Arts and Science Series .......................................................................................... 11
Education Series ..................................................................................................... 11
Engineering Experiment Station Series ................................................................ 12
Extension Series .................................................................................................... 12
Journalism Series ................................................................................................. 13
Library Series ........................................................................................................ 14
Missouri Law Review (Successor to the Law Series Bulletin) ............................ 14

THE COLLEGE OF AGRICULTURE PUBLICATIONS

Experiment Station Bulletins ............................................................................... 16
Experiment Station Circulars ............................................................................... 17
Experiment Station Research Bulletins ............................................................... 19
Extension Service Circulars ............................................................................... 21
Extension Service Leaflets ............................................................................... 23
Extension Service Manuals ............................................................................... 24
4-H Club Circulars ............................................................................................... 24
Extension Studies ................................................................................................. 25

THE SCHOOL OF MINES AND METALLURGY BULLETIN

General Series ...................................................................................................... 26
Technical Series ................................................................................................... 26

INDEXES

Author .................................................................................................................. 31
Subject ............................................................................................................... 41
THE UNIVERSITY OF MISSOURI STUDIES

The University of Missouri Studies

VOLUME 20


VOLUME 21


VOLUME 22

3. A Supplementary List of Missouri Fungi, With Special Reference to Plant Pathogens and Wood-Destroying Species, by Willis E. Maneval. 1948. 65 pp.
THE UNIVERSITY OF MISSOURI BULLETIN

General Series
Published monthly

1945

5. Not published.
7. List of Students, June 1, 1944-June 1, 1945. Supplement to the Catalog. April 1945. [67] pp. (Vol. 46, No. 10)
15. School of Nursing. August 1945. n.p. (Vol. 46, No. 22)

1946

1. School of Medicine Announcement, 1946-47. January 1946. 29 pp. (Vol. 47, No. 1)
4. School of Law Announcement, 1946-47. February 1946. 20 pp. (Vol. 47, No. 5)
5. The 1946 Summer Session Preliminary Announcement. February 1946. n.p. (Vol. 47, No. 6)
6. The College of Arts and Science in a Peacetime World. March 1946. 48 pp. (Vol. 47, No. 7)
8. Twenty-Eighth Annual Vocational Agriculture Students Contests and Eighteenth Annual Convention of Missouri Association of F. F. A. March 1946. 26 pp. (Vol. 47, No. 9)
9. The Department of Speech and Dramatic Art, 1946. April 1946. n.p. (Vol. 47, No. 10)
22. Not published.

1947
7. Not published.
10. Announcement of the School of Business and Public Administration. May 1947. 24 pp. (Vol. 48, No. 12*)

1948

2. Interscholastic Events, 1948: Announcements and Contest Regulations. February 1948. 20 pp. (Vol. 49, No. 4)
5. Announcement of 1948 Summer Session. April 1948. 15 pp. (Vol. 49, No. 10)
15. Four-Year Forestry Course Announcement, 1948-49. August 1948. 20 pp. (Vol. 49, No. 22)

Arts and Science Series
Published irregularly


Education Series
Published irregularly

39. Abstracts of Dissertations in Education Accepted by the University of Missouri From 1939 to 1946, by Committee on Research and Service, School of Education. August 1946. [83] pp. (Vol. 47, No. 22)


Engineering Experiment Station Series
Published irregularly

33. Supplemental Irrigation for Missouri and Regions of Similar Rainfall, by Harry Rubey. February 1945. 75 pp. (Vol. 46, No. 6)


Extension Series
Published irregularly


106. Not published.


109. Correspondence Courses in University Subjects. February 1948. 32 pp. (Vol. 49, No. 5)


**Journalism Series**

Published irregularly

100. 100 Books on Advertising, compiled and annotated by E. K. Johnston. March 1945. 14 pp. (Vol. 46, No. 8)


102. Not published.


104.* The Second Annual Fifty-Print Exhibition of News and Feature Pictures, edited by Clifton C. Edom. 1945. 56 pp. (Vol. 46, No. 24)


110. Announcement of the School of Journalism. April 1947. 37 pp. (Vol. 48, No. 10)


115. 1948 Newspaper Advertising Clinic, presented by School of Journalism, University of Missouri in cooperation with Missouri Newspaper Advertising Managers Association. October 1948. 54 pp. (Vol. 49, No. 30)
Library Series
Published irregularly


Missouri Law Review
Published quarterly

VOLUME 10


VOLUME 11


VOLUME 12


Volume 13


THE COLLEGE OF AGRICULTURE PUBLICATIONS

Agricultural Experiment Station Bulletins


<table>
<thead>
<tr>
<th>Number</th>
<th>Title</th>
<th>Author(s)</th>
<th>Date</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>505</td>
<td>Manufacture of Cottage Cheese From Nonfat Dry Milk Solids</td>
<td>W. H. E. Reid and Merrill O. Maughan</td>
<td>July 1947</td>
<td>8</td>
</tr>
<tr>
<td>506</td>
<td>Soybean Production in Missouri</td>
<td>B. M. King</td>
<td>June 1947</td>
<td>28</td>
</tr>
<tr>
<td>507</td>
<td>Terracing for Erosion Control</td>
<td>Marion Clark and J. C. Wooley</td>
<td>July 1947</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>(Revision of Bulletin 400)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>508</td>
<td>Winter Barley in Missouri</td>
<td>J. M. Poehlman and C. A. Helm</td>
<td>September 1947</td>
<td>18</td>
</tr>
<tr>
<td>509</td>
<td>Missouri Peach Culture</td>
<td>T. J. Talbert</td>
<td>October 1947</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>(Revision of Bulletin 455)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Experiment Station, 1944-1945</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>512</td>
<td>Coccidiosis in Chickens and Other Birds</td>
<td>A. J. Durant and H. C. McDougle</td>
<td>March 1948</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>(Revision of Bulletin 411)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>514</td>
<td>Effect of Planting Time on Maturity, Yield, and Quality of Soybeans</td>
<td>C. V. Feaster</td>
<td>May 1948</td>
<td>7</td>
</tr>
<tr>
<td>515</td>
<td>Transferring the Family Farm to the Next Generation</td>
<td>O. R. Johnson</td>
<td>July 1948</td>
<td>26</td>
</tr>
<tr>
<td>516</td>
<td>Fertilizer Inspection and Analysis, Fall 1947</td>
<td>E. A. Trowbridge, H. J. L'Hote, and J. R. Breuer</td>
<td>July 1948</td>
<td>38</td>
</tr>
<tr>
<td>517</td>
<td>The Multiflora Rose as a Living Hedge Fence</td>
<td>T. J. Talbert and James E. Smith, Jr.</td>
<td>September 1948</td>
<td>11</td>
</tr>
<tr>
<td>518</td>
<td>Cropping Systems for Soil Conservation</td>
<td>Dwight D. Smith, Darnell M. Whitt, and Merritt F. Miller</td>
<td>September 1948</td>
<td>26</td>
</tr>
<tr>
<td>520</td>
<td>Agricultural Research in Missouri: Annual Report of the Missouri</td>
<td>E. A. Trowbridge</td>
<td>December 1948</td>
<td>52</td>
</tr>
<tr>
<td></td>
<td>Experiment Station, 1945-1946,†</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Agricultural Experiment Station Circulars**

<table>
<thead>
<tr>
<th>Number</th>
<th>Title</th>
<th>Author(s)</th>
<th>Date</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>297</td>
<td>Pasture Management Kills Lone Star Ticks</td>
<td>Roland W. Portman</td>
<td>January 1945</td>
<td>4</td>
</tr>
<tr>
<td>298</td>
<td>We Could Prevent Land Price Inflation in Missouri</td>
<td>O. R. Johnson</td>
<td>March 1945</td>
<td>8</td>
</tr>
<tr>
<td>299</td>
<td>Young Orchards: Planning, Planting, and Management</td>
<td>T. J. Talbert</td>
<td>March 1945</td>
<td>24</td>
</tr>
<tr>
<td>300</td>
<td>Soybean Seed Production in Missouri</td>
<td>B. M. King</td>
<td>May 1945</td>
<td>11</td>
</tr>
<tr>
<td>301</td>
<td>Growing Fall Potatoes</td>
<td>S. H. Wittwer and Aubrey D. Hibbard</td>
<td>June 1945</td>
<td>4</td>
</tr>
<tr>
<td>302</td>
<td>Late Plantings of Vegetables</td>
<td>Aubrey D. Hibbard and S. H. Wittwer</td>
<td>June 1945</td>
<td>11</td>
</tr>
</tbody>
</table>

Agricultural Experiment Station Research Bulletins

391. Illness in Rural Missouri, by Harold F. Kaufman and Warren W. Morse. August 1945. 55 pp. (Series in Rural Health, No. 1)
400. Use of Medical Services in Rural Missouri, by Harold F. Kaufman. April 1946. 54 pp. (Rural Health Series No. 2)


408. Growth and Development, With Special Reference to Domestic Animals: LXII. The Specific Dynamic Action of Nutrients With Special Reference to the Effects of Vitamins and Hormones, by Dulal Pada Sadhu. August 1947. 64 pp.


Agricultural Extension Service Circulars


551. Fish, the Main Dish, by Flora L. Carl and Josephine Flory. January 1948. 16 pp.

Agricultural Extension Service Leaflets

Agricultural Extension Service Manuals


4-H Club Circulars

76. The 4-H Girl Learns to Can, Freeze, and Dry Food, by Flora L. Carl and Jane Hinote. May 1945. 20 pp.
Extension Studies

An attempt has been made in this series of studies to apply some of the well-known principles of social science to the organization and functioning of 4-H clubs. The techniques of dealing democratically with rural youth, their leaders, and their sponsors are carried out throughout the series.

1. Not published.
2. Junior Leaders in the 4-H Club Program (Based Upon the Central States), by T. T. Martin. October 1945. 44 pp.
THE SCHOOL OF MINES AND METALLURGY
BULLETIN

General Series
Published quarterly

VOLUME 37

VOLUME 38

VOLUME 39
2. Not published.

VOLUME 40
2. Not published.

Technical Series
Published quarterly

VOLUME 16


Volume 17


Volume 18


Volume 19


Note—Hereafter volume numbers are omitted and the bulletins are numbered consecutively, beginning with number 72.


INDEXES
AUTHOR INDEX

All references are to pages. In instances of joint authorship, titles are listed under the author whose name appears first, and cross reference is made under the name of each additional author.

Akers, Lester O.
See Paulling, J. R.

Albrecht, William A.
Our Teeth and Our Soils, 19
See also Etheridge, W. C.

Allen, Frederick L.
The Function of a Magazine in America, 13

Artley, A. Sterl
--- with graduate students
Acquiring Word-Recognition Skills, 12

Aslin, W. E.
See Zuber, M. S.

Bacon, Dorothy
Native Crafts, 24
--- with Clough, R. S.
Sharpen Your Judgment: Learn and Apply Standards of Value, 24
See also Carl, Flora L.

Bankert, Zetta E.
See Gregory, C. L.

Beasley, R. P.
See Wooley, J. C.

Bergeyk, E. R.
See Madden, F. W.

Bisbey, Bertha
See Weis, Adelia E.

Blinn, Keith W.
Rights and Obligations of Strikers Under the Taft-Hartley Act, 15

Bogart, Ralph
--- with Mayer, Dennis T.
Environmental Temperature and Thyroid Gland Involvement in Lowered Fertility of Rams, 19

Bowen, C. M.
See McCormick, L. E.

Bowman, Ferne
--- with Maharg, Leta, Mangel, Margaret, and McDivitt, Maxine
Culinary Preparation and Use of Soybeans and Soybean Flour, 16
See also Funk, E. M.
--- with Poehlman, J. M.

Braden, J. Noble
See Carlson, Kenneth S.

Brady, Thomas A.
The Foreign Area and Language Study at the University of Missouri, 11

Breuer, John R.
See Longwell, J. H.
Trowbridge, E. A.

Breyfogle, Herbert S.
The Laws of Missouri Relating to Inquests and Coroners, 14

Bright, Margaret L.
--- with Lively, C. E.
Farm Youth in Missouri, 16
See also Lively, C. E.

Brody, Samuel
Environmental Physiology, With Special Reference to Domestic Animals:
I. Physiological Backgrounds, 21
--- with Comfort, J. E., Kibler, H. H., and Worstell, D. M.
Growth and Development, With Special Reference to Domestic Animals:
LXI. Growth and Metabolism of Beef Cattle, 20
--- with Worstell, D. M., Ragsdale, A. C., and Kibler, H. H.
Growth and Development, With Special Reference to Domestic Animals:
LXIII. Heat Production and Cardiorespiratory Activities During Gestation and Lactation in Jersey Cattle, 20
LXV. Heat Production and Cardiorespiratory Activities During Gestation and Lactation in Holstein Cattle, 21
See also Kibler, Hudson H.
Platner, Wesley S.
Ragsdale, A. C.

Brown, D. D.
--- with Paulling, J. R. and Falloon, John
Balanced Farming in Missouri, 22

Brown, E. Marion
--- with Helm, C. A. and others
Report of Crop and Pasture Experiments at Lathrop in Northwestern Missouri, 1940-1944, 16
See also Talbert, T. J.

Bunge, Fred H.
--- with Fine, Morris M. and Legsdin, A.
Investigations on Flotation of the Oxidized Ores of Zinc, 27
Burch, J. W.
A Balanced Agriculture for Missouri: Annual Report, 1947, University of Missouri, College of Agriculture, Agricultural Extension Service, 23
The Extension Service Reports Progress: Annual Report for 1945, University of Missouri, College of Agriculture, Agricultural Extension Service, 22
Farmers Measure Up: Annual Report, 1944, University of Missouri, College of Agriculture, Agricultural Extension Service, 21
Missouri Farmers Move to Peace-time Production: Annual Report, 1946, University of Missouri, College of Agriculture, Agricultural Extension Service, 22
See also Etheridge, W. C.

Burk, Virgil F.
Program Planning Manual for Missouri Rural Youth Organizations, 24
— with Hinote, Jane
4-H for Safety, 24
See also Dillard, W. F.
Hinote, Jane

Burst, John F., Jr.
See Herold, Paul G.

Capps, A. G.
See Carpenter, W. W.

Carl, Flora L.
— with Flory, Josephine
Fish, the Main Dish, 23
Freezer Lockers for Meat, Vegetables, and Fruit, 22
Frozen Foods for the Family, 23
A Home Canning Guide, 22
Time Table for Processing Vegetables, Fruits, and Meats, 23
— with Flory, Josephine and Bacon, Dorothy
Dinners, Buffet Suppers, and Teas: Food Preparation, III, 24
The 4-H Girl Cans and Freezes Meat, Makes Jelly and Sauerkraut: Food Preservation, III, 24
4-H Youth Learn to Can and to Store Food: Preservation, I, 25
Suppers and Picnic Lunches, 25
— with Hinote, Jane
The 4-H Girl Learns to Can, Freeze, and Dry Food, 24
— with Jopling, Letha K.
Betty Bakes Bread, 22
Fruit for the Family, 21
See also Ewing, T. A.
Hinote, Jane

Carlston, Kenneth S.
— with Braden, J. Noble, Hensley, David R., and Nordlinger, H. H.
A Symposium on Arbitration, 15

Carmichael, Ronald L.
See Forrester, J. D.

Carpenter, W. W.
— with Capps, A. G. and Townsend, L. G.
Suggestions for Procedure for Missouri Boards of Education, 11; Revised Edition, 12

Carter, W. R.
The Missouri College Aptitude Testing Program, 12

Clark, A. M.
Proposed Changes in Missouri Laws Affecting Children: Recommendations of the Children's Code Commission, [1.] Adoption of Children, 15

Clark, Marion W.
— with Ricketts, R. L. and Hall, H. J.
All-Weather Stock Tank, 22
— with Wooley, J. C.
Terracing for Erosion Control, 17
Water Management for the Farm: Conserving Soil and Water for Efficient Production of Crops and Livestock, 23
See also Nagel, Werner O.
Wooley, J. C.

Clayton, Austin B.
See Forrester, J. D.

Clizer, N. R.
See Winner, E. B.

Cloning, W. H.
See Regan, M. J.

Clough, Robert S.
— with Weaver, L. A.
The Market Pig, 4-H Club Project, 24
The Purebred Gilt, 4-H Club Project, 24
See also Bacon, Dorothy
Itschner, E. T.
Winner, E. B.

Coleman, O. T.
Lime Your Soils for Better Crops, 23
Organization of Soil Districts in Missouri, 21

Comfort, J. E.
See Brody, Samuel

Cowan, E. W.
See Miller, Merritt F.
Trowbridge, E. A.

Crighton, John Clark
Missouri and the World War, 1914-1917: A Study in Public Opinion, 7
Crisler, O. S.
See Elder, Cecil
Crosby, J. E., Jr.
See Trowbridge, E. A.
Cullen, Robert K.
The Advantages of a System of Continuous Statutory Revision, 14
Cunningham, Clyde R.
The Family Vegetable Supply, 22
Cunnyingham, Wilkie
The Limited-Access Highway From a Lawyer's Viewpoint, 15

Denker, Peter G.
See Kennedy, Foster
Dillard, W. F.
with Burk, V. F.
The Sow and Litter, 4-H Project, 24
Dunlap, Charles E.
Medicolegal Aspects of Injuries From Exposure to X-Rays and Radioactive Substances, 14
Durant, A. J.
with McDougle, H. C.
Coccidiosis in Chickens and Other Birds, 17
Further Investigations of the Transmission of Fowl Paralysis (Neurolymphomatosis) by Direct Transfusion, 19
See also McDougle, H. C.

Edom, Clifton C.
The Fourth Annual Fifty-Print Exhibition of News and Feature Pictures, 13
The Second Annual Fifty-Print Exhibition of News and Feature Pictures, 13
The Third Annual Fifty-Print Exhibition of News and Feature Pictures, 13
Elder, Cecil
Transmission of Brucella Suis From Swine to Cattle Under Pasture Conditions, 19
with Crisler, O. S. and Gentry, R. F.
Efficacy of Phenothiazine in the Treatment of Sheep for Control of Internal Parasites, 19

English, William Francis
The Pioneer Lawyer and Jurist in Missouri, 7

Eppelsheimer, D. S.
with Reynolds, J. E.
Nomograph for Converting Weight Percent to Atomic Percent, 27
Etheridge, W. C.
with Helm, C. A.
Alfalfa in Missouri, 16
with Miller, M. F., Burch, J. W., Trowbridge, E. A., and Albrecht, W. A.
Missouri Program of Land Improvement, 18
Evans, Evan A.
The Course of an Appeal to the United States Circuit Courts of Appeals, 14
Evans, Orrin B.
Legal Safeguards in Buying a Farm, 22
Premium Date of a Missouri Life Insurance Policy, 15
Ewing, T. A.
with Carl, Flora
Cutting, Curing, and Canning Pork and Beef, 23

Falloon, John
See Brown, D. D.

Feaster, C. V.
Effect of Planting Time on Maturity, Yield, and Quality of Soybeans in Southeast Missouri, 17

Fine, Morris M.
See Bunge, Fred H.

Fite, Gilbert Courtland
Peter Norbeck: Prairie Statesman, 7

Fitzgerald, Madonna
with Woodruff, Louise
Care of Kerosene Cook Stoves, 21
Refinishing Furniture, 23
Selection and Use of Home Accessories, 22
Step Saving Storage for the Kitchen and Work Room, 22
Weaving Chair Seats, 21
with Woodruff, Louise and Hinote, Jane
The Home Helper: Home Service, I, 24
Small Articles for the Girl's Home: Home Furnishings, I, 24

Fleetwood, J. Ross
Bindweed Control Methods, 23
Red Clover, 23

Flory, Josephine
See Carl, Flora L.
Hinote, Jane

Forrester, J. D.
Mining and Mineral Resources of Missouri, 27
with Carmichael, Ronald L.
The Effects of Rope Speed and Moisture on the Use of Scrapers in Mining, 27
A Study of Mine Scraper Buckets and Their Efficiency, 27

An Analysis of Man-Power Efficiency in Drilling Procedures in the Tri-State Mining District, 27

A Comparative Analysis of Some Recent Mining Practices in the Tri-State Mining District, 26

Fowler, Howard M.
Powder Blast Mining in Conjunction With Long-Hole Blasting, 27

Frame, B. H.
The Operators' Cost of Producing Some Field Crops in Central Missouri, 19

Fratcher, William F.
American Organization for Prosecution of German War Criminals, 15

Fuller, Julian A.
See Forrester, J. D.

Funk, E. M.
Experiments in Cleaning Soiled Eggs for Storage, 21
Producing Better Hatching Eggs, 22
—— with Bowman, Ferne
Preparing Frying Chickens for Locker Storage, 16

Garrison, E. R.
Sources of Oospora lactis on Dairy Farms, 19

Gentry, R. F.
See Elder, Cecil
Muhrer, M. E.

Grawe, O. R.
—— with Pomerene, J. B. and Hayes, W. C., Jr.
The Geology of the Einstein Silver Mine Area Near Fredericktown, Missouri, 27

Gregory, C. L.
—— with Bankert, Zetta E., McDowell, Aleta, and Lively, C. E.
The Health of Low-Income Farm Families in Southeast Missouri, 20
See also Lively, C. E.

Haag, Herman M.
Income, Expenses, and Savings of Local Cooperative Associations, 19

Haigh, L. D.
See Miller, Merritt F.
Trowbridge, E. A.

Hall, H. J.
See Clark, Marion W.

Haseman, J. F.
—— with Marshall, C. E.
The Use of Heavy Minerals in Studies of the Origin and Development of Soils, 19

Haseman, Leonard
Control of Household Insects, 18
Controlling Garden Insects, 19
—— with Jones, George D. and Wingo, Curtis W.
Insect Control With DDT, 18

Hasselmann, K. F.
A Technique for Making Torsion Balance Surveys of Inundated Areas, 27

Hayes, W. C., Jr.
See Grawe, O. R.

Helm, C. A.
Growing Cowpeas for Hay, 23
Millet for Forage and Grain, 23
Sudan Grass Production in Missouri, 23
Sweet Clover Management in a Pasture System, 18
See also Brown, E. Marion
Etheridge, W. C.
Poehlman, J. M.

Hensley, David R.
See Carlston, Kenneth S.

Hepple, Lawrence M.
Veterans and Rejectees in Randolph County, Missouri, 1940-1946, 11

Herman, H. A.
—— with Ragsdale, A. C.
Artificial Insemination of Dairy Cattle, 16
See also Madden, F. W.
Swanson, Eric W.

Herold, Paul G.
—— with Burst, John F., Jr.
Use of Metaphosphates in Refractory Mortar, 27

Hess, Paul D., Jr.
Homestead, Personal Property, and Wage Exemptions in Missouri and Other States, 14

Hibbard, Aubrey D.
The Missouri Queen Watermelon: A Wilt Resistant Variety for Southeastern Missouri, 16
Production of Vegetable Plants, 18
—— with Schroeder, R. A.
Plant Late for Fall Vegetables, 19
—— with Wittwer, S. H.
Late Plantings of Vegetables, 17
See also Talbert, T. J.
Wittwer, S. H.

Hinote, Jane
Handbook for Missouri 4-H Club Leaders, 24
—— with Burk, V. F.
Games for Groups, 22
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carl, Flora L.</td>
<td>Look Your Best, 4-H Club Activity, 25</td>
</tr>
<tr>
<td>Fitzgerald, Madonna</td>
<td>Look Your Best, 4-H Club Activity, 25</td>
</tr>
<tr>
<td>Rocheford, Julia M.</td>
<td>Look Your Best, 4-H Club Activity, 25</td>
</tr>
<tr>
<td>Burk, Virgil F.</td>
<td>Look Your Best, 4-H Club Activity, 25</td>
</tr>
<tr>
<td>Hogan, A. G.</td>
<td>See Richardson, L. R.</td>
</tr>
<tr>
<td>Hook, Frank S.</td>
<td>The French Bandello, A Selection: The Original Text of Four of</td>
</tr>
<tr>
<td></td>
<td>Belleforest’s <em>Histoires Tragiques</em> Translated by Geoffrey Fenton and</td>
</tr>
<tr>
<td></td>
<td>William Painter, 7</td>
</tr>
<tr>
<td>Howard, Robert L.</td>
<td>Constitutional Law Cases in the United States Supreme Court: 1941-1946, (Refresher Materials for Returned Service Men), 14</td>
</tr>
<tr>
<td></td>
<td>Some Recent Labor Cases, 1941-1947, 15</td>
</tr>
<tr>
<td></td>
<td>State Taxation of Airplanes in Interstate Commerce, 14</td>
</tr>
<tr>
<td>Huff, K. B.</td>
<td>See Winner, E. B.</td>
</tr>
<tr>
<td>Hurst, Victor</td>
<td>with Turner, C. W.</td>
</tr>
<tr>
<td></td>
<td>The Thyroid Secretion Rate in the Mouse and Its Relation to Various</td>
</tr>
<tr>
<td></td>
<td>Physiological Processes, 20</td>
</tr>
<tr>
<td>Irwin, M. R.</td>
<td>Producing and Marketing Capons, 16</td>
</tr>
<tr>
<td>Itschner, E. T.</td>
<td>with Clough, Robert S.</td>
</tr>
<tr>
<td></td>
<td>Dairy Production, 4-H Dairy Projects, 24</td>
</tr>
<tr>
<td>Jelinek, James J.</td>
<td>Proceedings of Seventy-fifth Anniversary Celebration of School of</td>
</tr>
<tr>
<td></td>
<td>Mines and Metallurgy, University of Missouri, 26</td>
</tr>
<tr>
<td>Jenkins, Lee</td>
<td>See Swartwout, H. G.</td>
</tr>
<tr>
<td>Johnson, O. R.</td>
<td>Transferring the Family Farm to the Next Generation, 17</td>
</tr>
<tr>
<td></td>
<td>We Could Prevent Land Price Inflation in Missouri, 17</td>
</tr>
<tr>
<td>Johnston, E. K.</td>
<td>100 Books on Advertising: First, Second, and Third Editions, 13</td>
</tr>
<tr>
<td>Jones, George D.</td>
<td>See Haseman, Leonard</td>
</tr>
<tr>
<td>Jones, M. M.</td>
<td>Saving Gasoline on the Farm, 18</td>
</tr>
<tr>
<td>Jopling, Letha K.</td>
<td>See Carl, Flora L.</td>
</tr>
<tr>
<td>Joule, T. L.</td>
<td>See Winner, E. B.</td>
</tr>
<tr>
<td>Kaufman, Harold F.</td>
<td>Use of Medical Services in Rural Missouri, 19</td>
</tr>
<tr>
<td></td>
<td>with Morse, Warren W.</td>
</tr>
<tr>
<td></td>
<td>Illness in Rural Missouri, 19</td>
</tr>
<tr>
<td>Keller, W. D.</td>
<td>The Common Rocks and Minerals of Missouri, 11</td>
</tr>
<tr>
<td>Kempster, H. L.</td>
<td>with Winner, E. B.</td>
</tr>
<tr>
<td></td>
<td>Brooder Houses, 23</td>
</tr>
<tr>
<td></td>
<td>Culling for Egg Production, 21</td>
</tr>
<tr>
<td></td>
<td>See also Ragsdale, A. C.</td>
</tr>
<tr>
<td></td>
<td>Richardson, L. R.</td>
</tr>
<tr>
<td></td>
<td>Winner, E. B.</td>
</tr>
<tr>
<td>Kennedy, Foster</td>
<td>with Denker, Peter G.</td>
</tr>
<tr>
<td></td>
<td>Medicolegal Aspects of Spinal Cord Injuries, 14</td>
</tr>
<tr>
<td>Kibler, Hudson H.</td>
<td>with Brody, Samuel</td>
</tr>
<tr>
<td></td>
<td>Growth and Development, With Special Reference to Domestic Animals:</td>
</tr>
<tr>
<td></td>
<td>LX. Field Studies on Cardiorespiratory Functions and Energy</td>
</tr>
<tr>
<td></td>
<td>Expenditure During Work and Recovery in Mules, 19</td>
</tr>
<tr>
<td></td>
<td>See also Brody, Samuel</td>
</tr>
<tr>
<td></td>
<td>Platner, Wesley S.</td>
</tr>
<tr>
<td>King, B. M.</td>
<td>Soybean Production in Missouri, 17</td>
</tr>
<tr>
<td></td>
<td>Soybean Seed Production in Missouri, 17</td>
</tr>
<tr>
<td>Kingsolver, C. H.</td>
<td>New Oat Disease Increases Importance of Seed Treatment, 18</td>
</tr>
<tr>
<td>Klemme, Arnold W.</td>
<td>Fertilizers for General Farm Crops, 22</td>
</tr>
<tr>
<td></td>
<td>Soil Treatment to Improve Permanent Pastures, 18</td>
</tr>
<tr>
<td></td>
<td>See also Longwell, J. H.</td>
</tr>
<tr>
<td>Kohls, R. L.</td>
<td>Economic Facts on the Hog Industry of Missouri, 21</td>
</tr>
<tr>
<td></td>
<td>Purchasing Power of Missouri Farm Products, 21</td>
</tr>
<tr>
<td></td>
<td>Trends in Contributions to Missouri and U. S. Cash Farm Income, 1924-1945, 20</td>
</tr>
<tr>
<td>Krusekopf, H. H.</td>
<td>Major Soil Areas of Missouri: Their General Characteristics and Agri-</td>
</tr>
<tr>
<td></td>
<td>cultural Use, 18</td>
</tr>
</tbody>
</table>
Legsdin, A.
See Bunge, Fred H.
Nieto, Jorge C.

L'Hote, H. J.
See Longwell, J. H.
Miller, Merritt F.
Trowbridge, E. A.

Lionberger, Herbert F.
Low-Income Farmers in Missouri: Situation and Characteristics of 459 Farm Operators in Four Social Area B Counties, 20

Lively, C. E.
—— with Bright, Margaret L.
The Rural Population Resources of Missouri, 21
—— with Gregory, C. L.
Rural Social Areas in Missouri as Determined by Statistical Analysis of County Data, 1940, 20
See also Bright, Margaret L.
Gregory, C. L.

Livingston, Robert Greig
A Comparison of the Use of Polaroid and Colored Filters in the Multiplex Aeroprojector, 27

Long, J. H.
See Miller, Merritt F.

Longwell, J. H.
—— with Klemme, A. W., L'Hote, H. J., and Breuer, J. R.
Use of Commercial Plant Foods on Missouri Farms, 17

McCleary, Glenn A.
The Defense of Sole Cause in the Missouri Negligence Cases, 14

McCormick, L. E.
Planting and Care of Forest Trees, 23
—— with Bowen, C. M.
Answers to Some Common Questions on Clearing Timbered Land, 23
Processing and Use of Native Lumber on Missouri Farms, 22

McDivitt, Maxine
See Bowman, Ferne

McDougle, H. C.
Newcastle Disease of Poultry, 18
Protect Your Poultry Flock From Newcastle Disease, 18
—— with Durant, A. J.
Trichomoniasis of Turkeys, 16
See also Durant, A. J.

McDowell, Aleta
See Gregory, C. L.

McIntyre, C. W.
—— with Ragsdale, A. C.
Dairy Husbandry Investigations at the Hatch Dairy Experiment Station Farm, a Report, 1930-1944, 16

Madden, F. W.
—— with Herman, H. A. and Berousek, E. R.
The Relationship Between Percentage of Live Spermatozoa and Motility, Longevity, and Fertility of Semen of Dairy Bulls, 20

Maharg, Leta
See Bowman, Ferne

Maneval, Willis E.
A Supplementary List of Missouri Fungi, With Special Reference to Plant Pathogens and Wood-Destroying Species, 7

Mangel, Margaret
See Bowman, Ferne

Marshall, C. E.
See Haseman, J. F.

Martin, T. T.
Junior Leaders in the 4-H Club Program (Based Upon the Central States), 25
The Learning Situation in 4-H Club Work, 25
The Local 4-H Club Organization, 25

Martin, W. R., Jr.
See Swartwout, H. G.

Maughan, Merrill O.
See Reid, W. H. E.

Mayer, Dennis T.
See Bogart, Ralph

Meites, Joseph
—— with Turner, C. W.
Studies Concerning the Induction and Maintenance of Lactation: I. The Mechanism Controlling the Initiation of Lactation at Parturition, 20
II. The Normal Maintenance and Experimental Inhibition and Augmentation of Lactation, 20

Miller, Merritt F.
Let's Look at the Soil, 19
—— with Haigh, L. D., Cowan, E. W., and Long, J. H.
Fertilizer Inspection, Analysis, and Use, 1944, 16
—— with Shirky, S. B. and L'Hote, H. J.
The Agricultural Experiment Station Serves the Farmer: Work of the Agricultural Experiment Station During the Two Years Ending June 30, 1943, 16
Investigations for the Benefit of the Missouri Farmer: Work of the Agricultural Experiment Station During the Year Ending June 30, 1944, 16
AUTHOR INDEX

See also Etheridge, W. C.
Smith, Dwight D.

Monroe, R. A.
with Turner, C. W.
Thyroid Secretion Rate of Albino Rats During Growth, Pregnancy, and Lactation, 20

Moorman, Robert B. B.
Stresses in a Uniformly Loaded Circular-Arc I-Beam, 12
with Tate, Manford B.
Influence Lines for Horizontally Curved Fixed-End Beams of Circular-Arc Plan, 12

Morgan, Robert D.
Improvement of the Processes of Collective Bargaining, 14

Morse, Warren W.
See Kaufman, Harold F.

Muhrer, M. E.
with Gentry, R. F.
A Hemorrhagic Factor in Moldy Lespedeza Hay, 21

Murneek, A. E.
Nitrogen Fertilizers for Fruit Trees, 16

Nagel, Werner O.
with Clark, Marion
Improve Ponds and Watersheds—Save Soil and Wildlife, 23

Nance, Gordon B.
The Agricultural Outlook for Missouri: 1945, 24; 1947, 24

Neal, Robert M.
Deskbook of the School of Journalism, Sixteenth Edition, 13

Nieto, Jorge C.
with Legsdin, A. and Schlechten, A. W.
Beneficiation of an Oxide Zinc Ore by Pyrometallurgical Means, 27

Nordlinger, H. H.
See Carlson, Kenneth S.

Noren, Charles H.
See Shaffer, L. E.

Overstreet, Lee-Carl
Appointment of Successor Trustees, Trust Administration and Settlements in Missouri, 15
Some Aspects of Implied Warranties in the Supreme Court of Missouri, 14

Paulling, J. R.
Good Varieties of Cotton for Missouri, 18
Johnson Grass as a Weed in Missouri, 21

with Akers, Lester O.
Growing Cotton, a 4-H Club Project, 25

with Ricketts, Ralph
A Fast Way to Seed Hairy Vetch in Cotton, 22
See also Brown, D. D.

Peltason, Jack W.
The Missouri Plan for the Selection of Judges, 7

Phillips, Claude Anderson

Pipes, G. W.
with Turner, C. W.
The Retention of Goitrogens in the Blood and Tissues of Several Domestic Animals, 21

Pittman, William H.
The Doctrine of Precedents and Public Service Commissions, 14

Platner, Wesley S.
with Kibler, Hudson H. and Brody, Samuel
Growth and Development, With Special Reference to Domestic Animals:
LXIV. Electrocardiograms of Mules, Horses, Cattle, Sheep, Swine, and Goats, 21

Poehlman, J. M.
Growing Good Crops of Oats in Missouri, 16

with Bowman, Ferne
The Production of Quality in Missouri Soft Wheat, 16

with Helm, C. A.
Winter Barley in Missouri, 17

Pomerene, J. B.
See Grawe, O. R.

Portman, Roland W.
Pasture Management Kills Lone Star Ticks, 17

Pressman, Lee
Improvement of the Processes of Collective Bargaining, 14

Prouty, Charles T.
Studies in Honor of A. H. R. Fairchild, 7

Ragsdale, A. C.
with Brody, Samuel, Thompson, H. J., and Worstell, D. M.
environmental Physiology, With Special Reference to Domestic Animals:
II. Influence of Temperature, 50° to 105° F., on Milk Production and Feed Consumption in Dairy Cattle, 21
—— with Weaver, L. A. and Kempster, H. L.
Rations for Livestock and Poultry, 18
See also Brody, Samuel Herman, H. A.
McIntyre, C. W.

Ramsay, Joseph P.
Separate Maintenance in Missouri, 15

Regan, M. J.
—— with Cloninger, W. H.
Rations for Dairy Cows, 23

Reid, W. H. E.
—— with Maughan, Merrill O.
Manufacture of Cottage Cheese From Nonfat Dry Milk Solids, 17

Reineke, E. P.
See Turner, C. W.

Reynolds, J. E.
See Eppelheimer, D. S.

Richardson, J. T.
The Origin and Development of Group Hospitalization in the United States, 1890-1940, 7

Richardson, L. R.
—— with Hogan, A. G. and Kempster, H. L.
Critical Vitamins in Rations for Baby Chicks, 19
Soybean Oil Meal as a Protein Supplement for Baby Chicks, 19

Ricketts, Ralph L.
—— with Winner, E. B.
Automatic Poultry Waterer Saves Labor, 23
See also Clark, Marion W.
Pauling, J. R.
Winner, E. B.

Rocheford, Julia M.
—— with Hinote, Jane
Perennial Plants for Beautifying the Home Grounds (for 4-H Projects in Home Grounds, II, and General Use), 22
See also Woodruff, Louise

Rubey, Harry
A New Transit Method for Realigning Railway Curves and Spirals, 12
Supplemental Irrigation for Missouri and Regions of Similar Rainfall, 12; Revised Edition, 12

Sadhu, Dulal Pada
Growth and Development, With Special Reference to Domestic Animals:
LXII. The Specific Dynamic Action of Nutrients With Special Reference to the Effects of Vitamins and Hormones, 20

Schlechten, A. W.
See Nieto, Jorge C.

Scholes, Walter V.
The Diego Ramirez Visita, 7

Schroeder, R. A.
See Hibbard, Aubrey D.

Schultz, Gerald
Some Effects of the War on Rural Life in Missouri, 1939-1945, 19

Schultze, A. B.
—— with Turner, C. W.
The Determination of the Rate of Thyroxine Secretion by Certain Domestic Animals, 19
Relation of Endocrine Gland Weight to Body Weight in Growing and Mature Female Dairy Goats, 21

Schwartz, Charles W.
The Ecology of the Prairie Chicken in Missouri, 7

Shaffer, Lysle E.
A Method of Plating the Projections of Crooked Bore Holes, 27
—— with Noren, Charles H.
The Influence of Cartridge Diameter on the Effectiveness of Dynamite, 27

Shirky, S. B.
See Miller, Merritt F.

Smith, Dwight D.
—— with Whitt, Darnell M. and Miller, Merritt F.
Cropping Systems for Soil Conservation, 17

Smith, James E., Jr.
Flower Gardening, 18
The Missouri Concrete Greenhouse Bench, 16
See also Talbert, T. J.

Stankowski, A. J.
With a Chapter on Physical Training, 11

Summers, Edward D.

Swanson, Eric W.
—— with Herman, H. A.
The Correlation Between Some Characteristics of Dairy Bull Semen and Conception Rate, 18
Swartwout, H. G.
Growing Gooseberries and Currants, 18
Spray Programs for Grapes, 18
--- with Martin, W. R., Jr. and Jenkins, Lee
Spraying Home Fruit Plantings, 18

Talbert, T. J.
Cherry and Plum Culture in Missouri, 18
Grape Culture: Planting, Handling, and Later Care, 18
Missouri Peach Culture, 17
Pruning Suggestions for Apple and Pear Trees, 18
Rodent Control in Orchards, 18
Top and Double Working, and Bridge Grafting of Fruit Trees, 18
Young Orchards: Planning, Planting, and Management, 17
--- with Brown, E. Marion
Lawn Culture in Missouri, 18
--- with Hibbard, A. D.
Growing Strawberries in Missouri, 18
--- with Smith, James E., Jr.
The Multiflora Rose as a Living Hedge Fence, 17

Tate, Manford B.
See Moorman, Robert B. B.

Taylor, James F. A.
See Forrester, J. D.

Thompson, H. J.
See Ragsdale, A. C.

Todd, Ann

Townsend, L. G.
See Carpenter, W. W.

Trentin, J. J.
--- with Turner, C. W.
The Experimental Development of the Mammary Gland With Special Reference to the Interaction of the Pituitary and Ovarian Hormones, 20
Oral Effectiveness of the Dimethyl Ether of Diethylstilbestrol and of Various Steroid Hormones on the Mammary Glands of Mice and Rabbits, 20

Trowbridge, E. A.
Agricultural Research in Missouri: Annual Report of the Missouri Experiment Station, 1945-1946, 17
--- with Crosby, J. E., Jr.
Teamwork of Science and Agriculture: Annual Report of the Missouri Experiment Station, 1944-1945, 17
--- with Haigh, L. D. and Cowan, E. W.
Fertilizer Inspection, Analysis, and Use, 1945, 16
--- with Haigh, L. D., Cowan, E. W., and Breuer, John R.
Fertilizer Inspection, Analysis, and Use, 1946, 17
--- with L'Hote, H. J. and Breuer, J. R.
Fertilizer Inspection and Analysis, Fall 1947, 17
Fertilizer Inspection and Analysis, Spring 1947, 17
See also Etheridge, W. C.

Tucker, C. M.
Controlling Plant Diseases in the Home Garden, 18
Phloem Necrosis, a Destructive Disease of the American Elm, 18

Turner, C. W.
--- with Reineke, E. P.
The Relation of the Route of Administration of Thyroxine, Thyroprotein, and Intermediate Products Upon Their Utilization by Ruminants, 19
See also Hurst, Victor
Meites, Joseph
Monroe, R. A.
Pipes, G. W.
Schultze, A. B.
Trentin, J. J.

Uren, A. W.
--- with Winner, E. B.
Poultry Sanitation, 23
See also Winner, E. B.

Watkins, Ralph K.
Curricular Modifications in Secondary School English, 12

Weaver, L. A.
See Clough, Robert S.
Ragsdale, A. C.

Weis, Adelia E.
--- with Bisbey, Bertha
The Relation of the Carotenoid Pigments of the Diet to the Growth of Young Chicks and to the Storage in Their Tissues, 20

Wheaton, Carl C.
Proposed Amendments to Rules of Civil Procedure for the District Courts of the United States and
Their Significance to Missouri Lawyers (in two parts), 14

Whitney, Ramey C.
Prospective Income From Average Size Farms on Grade 2 Missouri Land, 16

Whitt, Darnell M.
See Smith, Dwight D.

Willis, John W.
"Mixed Accommodations" Under Rent Control Laws, 15

Wingo, Curtis W.
See Haseman, Leonard

Winner, E. B.
—— with Clizer, N. R.
Chick Brooding and Rearing, 22
Producing and Marketing, 22
—— with Huff, K. B.
The Missouri Range Shelter, 22
—— with Kempster, H. L. and Joule, T. L.
Missouri Poultry Record Report, 23
—— with Ricketts, Ralph L. and Clough, Robert S.
Farm Poultry Management for 4-H Poultry Projects I and II: I. Young Stock Production; II. Flock Management, 24
—— with Ricketts, Ralph L. and Huff, K. B.
Homemade Poultry Equipment, 22
Missouri Multi-Unit Poultry Houses, 23
Poultry House Remodeling, 22
—— with Uren, A. W.
Raising Turkeys, 23

See also Kempster, H. L.
Ricketts, Ralph L.
Uren, A. W.

Wittwer, S. H.
—— with Hibbard, Aubrey D.
Growing Fall Potatoes, 17
See also Hibbard, Aubrey D.

Woodruff, Louise
—— with Rocheford, Julia M.
Selection and Care of Ornamental Shrubs, 23
See also Fitzgerald, Madonna

Wooley, J. C.
—— with Clark, W. M. and Beasley, R. P.
The Missouri Soil Saving Dam: Low-Cost Structure for Use in Farm Plans for Water Management, 16
See also Clark, Marion W.

Worstell, D. M.
See Brody, Samuel
Ragsdale, A. C.

Wright, Edith Dailey
Proposed Changes in Missouri Laws Affecting Children: Recommendations of the Children's Code Commission. [3.] Paternity, Guardianship, and Non-Support, 15

Zuber, M. S.
—— with Aslin, W. E.
1947 Yield Trials With Corn Hybrids in Missouri, 24
SUBJECT INDEX

All references are to pages. Arrangement is by title under subject headings which are primarily departments and divisions of the University. The 4-H Club Circulars and the Missouri Law Review have not been indexed. A comprehensive index is included in the law publication.

Adult Education and Extension Service
Correspondence Courses in High School Subjects: 1948-49, 13
Correspondence Courses in University Subjects: 1947-48, 12; 1948, 13
Dramatic Play Service: 1948 (two bulletins), 13
Extension Series of the Bulletin, 12-13
Missouri High School Debating League: 1946, 12; 1947, 12; 1948, 13
Visual Education Service; Catalog of Films and Other Visual Aids: 1945, 12; 1946, 12; 1947, 12; 1948, 13
See also Agricultural Extension Service

Agricultural Chemistry
Critical Vitamins in Rations for Baby Chicks, 19
Fertilizer Inspection, Analysis, and Use: 1944, 16; 1945, 16; 1946, 17; Spring 1947, 17; Fall 1947, 17
Hemorrhagic Factor in Moldy Lespedeza Hay, 21
Soybean Oil Meal as a Protein Supplement for Baby Chicks, 19
See also Animal Husbandry, Dairy Husbandry, Growth and Development, and Poultry Husbandry

Agricultural Economics and Rural Life
Agricultural Outlook for Missouri: 1945, 24; 1947, 24
Balanced Farming in Missouri, 22
Economic Facts on the Hog Industry of Missouri, 21
Fast Way to Seed Hairy Vetch in Cotton, 22
Good Varieties of Cotton for Missouri, 18
Income, Expenses, and Savings of Local Cooperative Associations, 19
Johnson Grass as a Weed in Missouri, 21
Legal Safeguards in Buying a Farm, 22
Operators' Cost of Producing Some Field Crops in Central Missouri, 19
Prospective Income From Average Size Farms on Grade 2 Missouri Land, 16
Purchasing Power of Missouri Farm Products, 21
Transferring the Family Farm to the Next Generation, 17
Trends in Contributions to Missouri and U. S. Cash Farm Income, 1924-1945, 20
We Could Prevent Land Price Inflation in Missouri, 17

Agricultural Engineering
All-Weather Stock Tank, 22
Automatic Poultry Waterer Saves Labor, 23
Fast Way to Seed Hairy Vetch in Cotton, 22
Homemade Poultry Equipment, 22
Improve Ponds and Watersheds—Save Soil and Wildlife, 23
Missouri Multi-Unit Poultry Houses, 23
Missouri Range Shelter, 22
Missouri Soil Saving Dam: Low-Cost Structure for Use in Farm Plans for Water Management, 16
Poultry House Remodeling, 22
Saving Gasoline on the Farm, 18
Terracing for Erosion Control, 17
Water Management for the Farm: Conserving Soil and Water for Efficient Production of Crops and Livestock, 23

Agricultural Experiment Station
Bulletins, 16-17
Circulars, 17-19
Director's Annual Reports: 1944, 16; 1944-1945, 17; 1945-1946, 17
Director's Report for the Two Years Ending June 30, 1943, 16
Research Bulletins, 19-21

Agricultural Extension
Games for Groups, 22
Know Your Club, a Manual for Home Economics Extension Clubs, 24
Program Planning Manual for Missouri Rural Youth Organizations, 24
You Can Be a Home Demonstration Agent, 22
See also Agricultural Extension Service: Circulars, Leaflets, Manuals, 4-H Club Circulars; and Home Economics
Agricultural Extension Service
Annual Reports: 1944, 21; 1945, 22; 1946, 22; 1947, 23
Circulars, 21-23
Extension Studies, 25
4-H Club Circulars, 24-25
Leaflets, 23
Manuals, 24
Policies of the Missouri Agricultural Extension Service, 24

Agriculture, College of
Announcements: 1945-46, 8; 1946, 9; 1947, 10; 1948-49, 11
Four-Year Forestry Course Announcement, 1948-49, 11
Home Economics Department Announcements: 1945-46, 8; 1946-47, 9; 1947-48, 10; 1948-49, 11
Publications, 16-25
Reports—see Agricultural Experiment Station—Director's Annual Reports
Thirtieth Annual Future Farmers of America Contests and Twentieth Annual Convention, 10
Twenty-Eighth Annual Vocational Agriculture Students Contests and Eighteenth Annual Convention of Missouri Association of F. F. A., 9
Views of the Buildings, Laboratories, Farms, Livestock, 8

Animal Husbandry
Environmental Physiology, With Special Reference to Domestic Animals: I. Physiological Backgrounds, 21
Environmental Temperature and Thyroid Gland Involvement in Lowered Fertility of Rams, 19
Rations for Livestock and Poultry, 18
See also Agricultural Chemistry, Dairy Husbandry, Entomology, Growth and Development, and Veterinary Science

Arts and Science, College of
Announcement of Social Welfare Curriculum, 9
Announcements: 1947-1948, 10; 1949-1950, 11
Arts and Science Series of the Bulletin, 11
College of Arts and Science in a Peace-time World (announcement, 1946), 9
College of Arts and Science Looks Toward Peace (announcement, 1945), 8
Department of Speech and Dramatic Art, 1946, 9
Honor-Rank Lists: 1944-1945, 8; 1945-1946, 9; 1946-1947, 10; 1947-1948, 11

Botany
Controlling Plant Diseases in the Home Garden, 18
New Oat Disease Increases Importance of Seed Treatment, 18
Phloem Necrosis, a Destructive Disease of the American Elm, 18
Supplementary List of Missouri Fungi, With Special Reference to Plant Pathogens and Wood-Destroying Species, 7
See also Field Crops and Horticulture and Forestry

Business and Public Administration, School of
Announcements: 1945, 8; 1946, 8; 1947, 10; 1948, 10

Chemistry
See Agricultural Chemistry

Civil Engineering
Comparison of the Use of Polaroid and Colored Filters in the Multiplex Aeroprojector, 27
Influence Lines for Horizontally Curved Fixed-End Beams of Circular-Arc Plan, 12
New Transit Method for Realigning Railway Curves and Spirals, 12
Stresses in a Uniformly Loaded Circular-Arc I-Beam, 12
Supplemental Irrigation for Missouri and Regions of Similar Rainfall, 12; Revised Edition, 12

Crops
See Field Crops and Horticulture and Forestry

Dairy Husbandry
Artificial Insemination of Dairy Cattle, 16
Correlation Between Some Characteristics of Dairy Bull Semen and Conception Rate, 18
Dairy Husbandry Investigations at the Hatch Dairy Experiment Station Farm, a Report, 1930-1944, 16
Determination of the Rate of Thyroxine Secretion by Certain Domestic Animals, 19
Environmental Physiology, With Special Reference to Domestic Animals:
I. Physiological Backgrounds, 21
II. Influence of Temperature, 50° to 105° F., on Milk Production and Feed Consumption in Dairy Cattle, 21
Experimental Development of the Mammary Gland With Special Reference to the Interaction of the Pituitary and Ovarian Hormones, 20
Manufacture of Cottage Cheese From Nonfat Dry Milk Solids, 17
Oral Effectiveness of the Dimethyl Ether of Diethylstilbestrol and of Various Steroid Hormones on the Mammary Glands of Mice and Rabbits, 20
Rations for Dairy Cows, 23
Rations for Livestock and Poultry, 18
Relation of Endocrine Gland Weight to Body Weight in Growing and Mature Female Dairy Goats, 21
Relation of the Route of Administration of Thyroxine, Thyroprotein, and Intermediate Products Upon Their Utilization by Ruminants, 19
Relationship Between Percentage of Live Spermatozoa and Motility, Longevity, and Fertility of Semen of Dairy Bulls, 20
Retention of Goitrogens in the Blood and Tissues of Several Domestic Animals, 21
Sources of Oospora lactis on Dairy Farms, 19
Studies Concerning the Induction and Maintenance of Lactation:
I. Mechanism Controlling the Initiation of Lactation at Parturition, 20
II. Normal Maintenance and Experimental Inhibition and Augmentation of Lactation, 20
Thyroid Secretion Rate in the Mouse and Its Relation to Various Physiological Processes, 20
Thyroid Secretion Rate of Albino Rats During Growth, Pregnancy, and Lactation, 20
See also Agricultural Chemistry, Animal Husbandry, Growth and Development, and Veterinary Science

Education
Acquiring Word-Recognition Skills, 12
Curricular Modifications in Secondary School English, 12
Foreign Area and Language Study at the University of Missouri, With a Chapter on Physical Training, 11
Missouri College Aptitude Testing Program, 12
Suggestions for Procedure for Missouri Boards of Education, 11; Revised Edition, 12
See also Adult Education and Extension Service

Education, College of
Abstracts of Dissertations in Education Accepted by the University of Missouri From 1939 to 1946, 12
College of Education Announcement, 1948-49, 11
Education Series of the Bulletin, 11-12

Educational Administration
Suggestions for Procedure for Missouri Boards of Education, 11; Revised Edition, 12

Engineering, College of
Announcements: 1947-48, 10; 1948-49, 11
Careers in Engineering, 1946 (announcement), 9
Experiment Station Series of the Bulletin, 12
Opportunities in Engineering (announcement, 1945), 8

English Language and Literature
Studies in Honor of A.H.R. Fairchild, 7

Entomology
Control of Household Insects, 18
Controlling Garden Insects, 19
Insect Control With DDT, 18
Pasture Management Kills Lone Star Ticks, 17
Spraying Suggestions for Commercial Apple Orchards: 1947, 22; 1948, 23
See also Horticulture and Forestry

Extension Division
See Adult Education and Extension Service
Field Crops
Alfalfa in Missouri, 16
Bindweed Control Methods, 23
Cropping Systems for Soil Conservation, 17
Effect of Planting Time on Maturity, Yield, and Quality of Soybeans in Southeast Missouri, 17
Good Varieties of Cotton for Missouri, 18
Growing Cowpeas for Hay, 23
Growing Good Crops of Oats in Missouri, 16
Millet for Forage and Grain, 23
Missouri Program of Land Improvement, 18
New Oat Disease Increases Importance of Seed Treatment, 18
1947 Yield Trials With Corn Hybrids in Missouri, 24
Production of Quality in Missouri Soft Wheat, 16
Red Clover, 23
Report of Crop and Pasture Experiments at Lathrop in Northwestern Missouri, 1940-1944, 16
Soybean Production in Missouri, 17
Soybean Seed Production in Missouri, 17
Sudan Grass Production in Missouri, 23
Sweet Clover Management in a Pasture System, 18
Winter Barley in Missouri, 17
See also Botany, Dairy Husbandry, Entomology, and Soils and Soil Improvement

Forestry
See Horticulture and Forestry

4-H Clubs
4-H Club Circulars, 24-25
Handbook for 4-H Junior Leaders, a Club Project, 24
Handbook for Missouri 4-H Club Leaders, 24
Junior Leaders in the 4-H Club Program (Based Upon the Central States), 25
Learning Situation in 4-H Club Work, 25
Local 4-H Club Organization, 25
Missouri 4-H Projects for 1946, 24
Requirements for 4-H Projects, 24

Geology
Common Rocks and Minerals of Missouri, 11
Comparison of the Use of Polaroid and Colored Filters in the Multiplex Aeroprojector, 27
Geology of the Einstein Silver Mine Area Near Fredericktown, Missouri, 27

Graduate School
Announcements: 1945-46, 8; 1947-48, 10; 1948-49, 11

Growth and Development
Growth and Development, With Special Reference to Domestic Animals:
LX. Field Studies on Cardiorespiratory Functions and Energy Expenditure During Work and Recovery in Mules, 19
LXI. Growth and Metabolism of Beef Cattle, 20
LXII. Specific Dynamic Action of Nutrients With Special Reference to the Effects of Vitamins and Hormones, 20
LXIII. Heat Production and Cardiorespiratory Activities During Gestation and Lactation in Jersey Cattle, 20
LXIV. Electrocardiograms of Mules, Horses, Cattle, Sheep, Swine, and Goats, 21
LXV. Heat Production and Cardiorespiratory Activities During Gestation and Lactation in Holstein Cattle, 21

History
Diego Ramirez Visita, 7
Missouri and the World War, 1914-1917: A Study in Public Opinion, 7
Peter Norbeck: Prairie Statesman, 7
Pioneer Lawyer and Jurist in Missouri, 7

Home Economics
Betty Bakes Bread, 22
Care of Kerosene Cook Stoves, 21
Culinary Preparation and Use of Soybeans and Soybean Flour, 16
Cutting, Curing, and Canning Pork and Beef, 23
Family Vegetable Supply, 22
Fish, the Main Dish, 23
Freezer Lockers for Meat, Vegetables, and Fruit, 22
Frozen Foods for the Family, 23
Fruit for the Family, 21
Home Canning Guide, 22
Home Economics Department Announcements: 1945-46, 8; 1946-47, 9; 1947-48, 10; 1948-49, 11
SUBJECT INDEX

Perennial Plants for Beautifying the Home Grounds (for 4-H Projects in Home Grounds, II, and General Use), 22
Preparing Frying Chickens for Locker Storage, 16
Production of Quality in Missouri Soft Wheat, 16
Refinishing Furniture, 23
Relation of the Carotenoid Pigments of the Diet to the Growth of Young Chicks and to the Storage in Their Tissues, 20
Selection and Care of Ornamental Shrubs, 23
Selection and Use of Home Accessories, 22
Step Saving Storage for the Kitchen and Work Room, 22
Time Table for Processing Vegetables, Fruits, and Meats, 23
Weaving Chair Seats, 21

Horticulture and Forestry
Answers to Some Common Questions on Clearing Timbered Land, 23
Cherry and Plum Culture in Missouri, 18
Controlling Garden Insects, 19
Controlling Plant Diseases in the Home Garden, 18
Flower Gardening, 18
Four-Year Forestry Course Announcement, 1948-49, 11
Grape Culture: Planting, Handling, and Later Care, 18
Growing Fall Potatoes, 17
Growing Gooseberries and Currants, 18
Growing Strawberries in Missouri, 18
Late Plantings of Vegetables, 17
Lawn Culture in Missouri, 18
Missouri Concrete Greenhouse Bench, 16
Missouri Peach Culture, 17
Missouri Queen Watermelon: A Wilt Resistant Variety for Southeastern Missouri, 16
Multiflora Rose as a Living Hedge Fence, 17
Nitrogen Fertilizers for Fruit Trees, 16
Plant Late for Fall Vegetables, 19
Planting and Care of Forest Trees, 23
Processing and Use of Native Lumber on Missouri Farms, 22
Production of Vegetable Plants, 18
Pruning Suggestions for Apple and Pear Trees, 18
Rodent Control in Orchards, 18
Spray Programs for Grapes, 18
Spraying Home Fruit Plantings, 18
Spraying Suggestions for Commercial Apple Orchards: 1947, 22; 1948, 23
Top and Double Working, and Bridge Grafting of Fruit Trees, 18
Young Orchards: Planning, Planting, and Management, 17
See also Botany, Entomology, and Soils and Soil Improvement

Italian Language and Literature
French Bandello, A Selection: The Original Text of Four of Belleforest's *Histoires Tragiquestranslated by Geoffrey Fenton and William Painter, 7

Journalism and Journalists
Function of a Magazine in America, 13
1948 Newspaper Advertising Clinic, presented by School of Journalism, University of Missouri in cooperation with Missouri Newspaper Advertising Managers Association, 13
100 Books on Advertising: First, Second, and Third Editions, 13
See also Journalism, School of; and Photography and Photoengraving

Journalism, School of
Announcements: 1945, 8; 1945-46, 8; 1946-47, 8; 1947, 13; 1948, 10
Deskbook: 1946, 13
Journalism Series of the Bulletin, 13
Kappa Tau Alpha Research Awards, 1944 to 1947, 13
Missouri Honor Awards for Distinguished Service in Journalism: 1945, 13; 1946, 13; 1947, 13; 1948, 13

Law, School of
Announcements: 1945-46, 8; 1945-46 Revised, 8; 1946-47 (two bulletins), 9; 1947-48, 9; 1948-49, 10
Missouri Law Review, 14-15

Library
Library Series of the Bulletin, 14

Medicine and Preventive Medicine
Origin and Development of Group Hospitalization in the United States, 1890-1940, 7
Our Teeth and Our Soils, 19

Medicine, School of
Announcements: 1946-47, 8; 1947-48, 9; 1948-49, 10
Metallurgy
Beneficiation of an Oxide Zinc Ore by Pyrometallurgical Means, 27
Investigations on Flotation of the Oxidized Ores of Zinc, 27
Nomograph for Converting Weight Percent to Atomic Percent, 27

Mines and Metallurgy, School of
Alumni Directory, 1874-1947, 26
Catalogs: 1944-45, 26; 1945-46, 26; 1946-47, 26; 1947-48, 26
Engineering Field: 1946, 26; 1947, 26; 1948, 26
General Series of the Bulletin, 26
Proceedings of Seventy-fifth Anniversary Celebration of School of Mines and Metallurgy, University of Missouri, 26
School of Engineering for the Mineral Industry: 1945, 26; 1946, 26; 1947, 26; 1948, 26
Technical Series of the Bulletin, 26-27

Mines and Mining Engineering
Analysis of Man-Power Efficiency in Drilling Procedures in the Tri-State Mining District, 27
Comparative Analysis of Some Recent Mining Practices in the Tri-State Mining District, 26
Effects of Rope Speed and Moisture on the Use of Scrapers in Mining, 27
Influence of Cartridge Diameter on the Effectiveness of Dynamite, 27
Method of Platting the Projections of Crooked Bore Holes, 27
Mining and Mineral Resources of Missouri, 27
Powder Blast Mining in Conjunction With Long-Hole Blasting, 27
Study of Mine Scraper Buckets and Their Efficiency, 27
Technique for Making Torsion Balance Surveys of Inundated Areas, 27

Missouri, University of
Announcement for Veterans, 9
Catalogs: 1944-1945, 8; 1945-1946, 9; 1946-1947, 10; 1947-1948, 10
Columns, 9
Foreign Area and Language Study at the University of Missouri, With a Chapter on Physical Training, 11
Interscholastic Events, Announcements and Contest Regulations: 1946, 9; 1947, 9; 1947-48, 10; 1948, 10; 1949, 11
List of Students: 1944-1945, 8; 1947-1948, 11
Official Serial Publications of the University of Missouri: A Check List, 1945, 14
Schedule of Courses; see appropriate year under General Series of the Bulletin, 8-11
Scholarships, Fellowships, Prizes, Honors, Awards, Grants-In-Aid, Loan Funds, 1947-48, 11
Summer Session Announcements; see appropriate year under General Series of the Bulletin, 8-10
University of Missouri Bulletin, 8-14
University of Missouri Studies, 7
University Speakers: 1947, 9; 1948, 10
Your Guide to the Campus: 1946, 9; 1947, 10; 1948, 11; 1948 Supplement, 11
See also specific divisions of the University

Newspapers
See Journalism and Journalists; Journalism, School of; and Photography and Photoengraving

Nursing, School of
School of Nursing (announcement, 1945), 8

Photography and Photoengraving
Annual Fifty-Print Exhibition of News and Feature Pictures: Second, 13; Third, 13; Fourth, 13

Political Science
Missouri Plan for the Selection of Judges, 7

Poultry Husbandry
Automatic Poultry Waterer Saves Labor, 23
Brooder Houses, 23
Chick Brooding and Rearing, 22
Critical Vitamins in Rations for Baby Chicks, 19
Culling for Egg Production, 21
Experiments in Cleaning Soiled Eggs for Storage, 21
Homemade Poultry Equipment, 22
Missouri Multi-Unit Poultry Houses, 23
Missouri Poultry Record Report, 23
Missouri Range Shelter, 22
Poultry House Remodeling, 22
Poultry Sanitation, 23
Preparing Frying Chickens for Locker Storage, 16
Producing and Marketing, 22
Producing and Marketing Capons, 16
Producing Better Hatching Eggs, 22
Raising Turkeys, 23
Rations for Livestock and Poultry, 18
Soybean Oil Meal as a Protein Supplement for Baby Chicks, 19
See also Agricultural Chemistry, Entomology, Growth and Development, and Veterinary Science

Public Administration
See Political Science

Rural Life
See Agricultural Economics and Rural Life

Rural Sociology
Farm Youth in Missouri, 16
Health of Low-Income Farm Families in Southeast Missouri, 20
Illness in Rural Missouri, 19
Low-Income Farmers in Missouri: Situation and Characteristics of 459 Farm Operators in Four Social Area B Counties, 20
Program Planning Manual for Missouri Rural Youth Organizations, 24
Rural Population Resources of Missouri, 21
Rural Social Areas in Missouri as Determined by Statistical Analysis of County Data, 1940, 20
Some Effects of the War on Rural Life in Missouri, 1939-1945, 19
Use of Medical Services in Rural Missouri, 19
See also Field Crops and Horticulture and Forestry

Veterans
Announcement for Veterans, 9
One- and Two-Year Courses of Technical Training at College Level for Veterans, 26
Veterans and Rejectees in Randolph County, Missouri, 1940-1946, 11

Veterinary Science
Coccidiosis in Chickens and Other Birds, 17
Efficacy of Phenothiazine in the Treatment of Sheep for Control of Internal Parasites, 19
Further Investigations of the Transmission of Fowl Paralysis (Neurolymphomatosis) by Direct Transfusion, 19
Hemorrhagic Factor in Moldy Lespedeza Hay, 21
Newcastle Disease of Poultry, 18
Protect Your Poultry Flock From Newcastle Disease, 18
Transmission of Brucella Suis From Swine to Cattle Under Pasture Conditions, 19
Trichomoniasis of Turkeys, 16

Wild Life Conservation
Ecology of the Prairie Chicken in Missouri, 7