INDEX TO VOL. XIV, RESEARCH BULLETINS
Nos. 167-174

A
Agricultural Economics Section, bulletin from 125, 285
Animal Husbandry Section, bulletin from 221

B
Basidiorium ear-rot, resistance of dent corn to 1
Bathroom fixtures, in Iowa farm houses 340
Beets, control of leaf spot on sugar 41
Botany and Plant Pathology Section, bulletin from 1, 41
Building materials, age of house and stories, Iowa farm 307
Butter, changes in the numbers of lipolytic organism in rancid, unsalted
Growth of lipolytic bacteria in surface and subsurface portions of unsalted 86

C
Carbon dioxide, production of by a pure culture of nitrogen-fixing anaerobic 274
Cercospora beticola, control of leaf spot by 61
Growth, habits and sporulation 45
Host range of 50
Chickens, factors influencing the malformation of the leg bones in growing 221
Clostridia, the metabolism of some nitrogen-fixing 253
Collins, M. A., co-author of "The Numbers of Lipolytic Bacteria in Various Dairy Products, as Determined with Nile-Blue Sulfate" 73
American lard in international trade 194
Foreign markets for American lard 203
Relative importance of lard exports 194
Competitive position of cottonseed oil relative to fats and other oils 157
Food and soap markets in the United States 173
Interchangeability of oils 157
Lard consumption and its competitive position 141
Lard and lard substitutes 150
Trends in the consumption of lard and other fatty foods 145
Various forms of lard and their use 141
Lard production and its importance 128
Comparative value of pork, lard and hogs 134
Flexibility of the lard output 130
Lard production originating in Iowa 138
Volume of lard production 128
Condition of the house, on Iowa farms 307
Cooking facilities, in Iowa farm houses 345
Corn, resistance to Basidiorium gallarum 1
Corms, growth of gladiolus plants after storage of 112
Cottonseed oil, competitive position of relative to fats and other oils. 157
Food and soap oil markets in the United States. 173
Interchangeability of oils. 157

D
Dairy Industry Section, bulletin from. 73
Dairy products, numbers of lipolytic bacteria in various. 73
Disposal of sewage, on Iowa farms. 340
Dwelling, value of and value of farm land and buildings. 371
Value of and proportion of non-owner homes. 377
Value of and proportion reporting certain specified items. 379

E
Exports, land. 194

F
"Factors Influencing the Malformation of the Leg Bones of Growing Chickens," by Thomas Theodore Milby. 221
Conclusions. 250
Experimental. 230
Review of literature. 237
Studies of magnesium. 230
Studies on slipped tendon. 227
Introduction. 225
Literature cited. 251
Object. 231
Procedure. 231
Experiment I. 231
Experiment II. 234
Results and discussions. 235
Experiment I. 235
Bone ash determinations. 241
Growth and abnormalities. 235
Experiment II. 243
Growth and abnormalities. 243
Summary. 223
Fairburn, David C., author of "Growth Responses of the Gladiolus as Influenced by Storage Temperatures." 93
Farm Crops and Soils Section, bulletin from. 253
Farm land and buildings, tenancy of. 378
Value of. 379

G
Gladiolus, chemical analysis. 103
Growth of plant after storage of corms. 112
Growth responses of the as influenced by storage temperatures. 93
Morphology. 107
Respiration. 98
"Growth Responses of the Gladiolus as Influenced by Storage Temperatures," by David C. Fairburn. 93
Discussion. 116
Experimental. 98
Chemical analyses. 103
Hammel, B. W., co-author of "The Numbers of Lipolytic Bacteria in Various Dairy Products, as Determined with Nile-Blue Sulfate"...

Housing, Iowa, contrasted with that in other states.

Housing status, according to status of landlord.

Influenced by age of house.

In relation to number of tillable acres.

Improvements, financing of.

Need of.

Indexes of labor saving facilities, in Iowa farm houses.

International trade, American lard in.

Kitchen sink with drain, in Iowa farm houses.

Landscape, the house, on Iowa farms.

Lard—Consumption and its competitive position.

Lard and lard substitutes.

Trends in the consumption of lard and other fatty foods.

Various forms of lard and their use.

International trade in American lard.

Foreign markets for American lard.

Relative importance of lard exports.

Production and its importance.

Flexibility of lard output.

Pork, lard and hogs, comparative value of.

Production originating in Iowa.

Volume of lard production.

Laundry facilities, in Iowa farm houses.

Leaf-spot, control of Cercospora.

Leg bones, factors influencing a malformation of in growing chickens.

Lighting facilities, on Iowa farms.

Lipolytic bacteria, numbers of in various dairy products.

Magnesium, studies on.

"Metabolism of Some Nitrogen-Fixing Clostridia, the," by W. Hillman Willis.
Nitrogen fixation and changes in the reaction of the medium produced by soil organisms under anaerobic conditions...

Nitrogen metabolism of nitrogen-fixing clostridia...

Studies on carbon dioxide production by a pure culture of a nitrogen-fixing anaerobe...

Nitrogen, fixation and changes in the reaction of the medium produced by soil organisms under anaerobic conditions...

"Numbers of Lipolytic Bacteria in Various Dairy Products, as Determined with Nile-Blue Sulfate," by B. W. Hammer and M. A. Collins...

Discussion...

Historical...

Literature cited...

Methods...

Results obtained...

Changes in the numbers of lipolytic organisms in rancid, unsalted butter...

Growth of lipolytic bacteria in surface and subsurface portions of unsalted butter...

Number of lipolytic bacteria in certain dairy products as determined with nile-blue sulfate...

Defective commercial butter from various sources...

Fresh butter of good quality...

Raw, fresh milk and raw, sweet cream...

Total numbers of bacteria in unsalted butter when rancidity was first noted...

Unsalted, pasteurized cream butter held at 0°C for 7 months...

Numbers of lipolytic bacteria in rancid, raw milk from individual animals...

Salt tolerance of some lipolytic bacteria...

Statement of problem...

Summary...

"Pathogenicity, Host Response and Control of Cercospora Leaf-Spot of Sugar Beets," by Edgar F. Vestal...

Control of Cercospora leaf-spot...

Influence of spacing upon the development of Cercospora leaf-spot...

Spraying and dusting for Cercospora leaf-spot...

Growth habits and sporulation of Cercospora beticola on artificial media...

Development of conidia and conidiophores...

Infection trials on sugar beet seedlings...

Host range of Cercospora beticola...

Inoculation experiments with Cercospora beticola...