

STATE OF IOWA

1922

REPORT OF THE
Veterinary Department

FOR THE

Biennial Period Ending June 30, 1922

P. MALCOLM
State Veterinary Surgeon

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REPORT OF STATE VETERINARY SURGEON

I have the honor to present the following report of the work of the Iowa Commission of Animal Health for the biennial period ending June 30, 1922.

The function of the Commission of Animal Health and the duties may be described as follows:

To protect the health of the domestic animals of the state, to determine and employ the most efficient and practical means for the prevention, suppression, control and eradication of dangerous contagious or infectious diseases among domestic animals; and for this purpose it is authorized and empowered to establish, maintain, enforce and regulate such quarantine and other measures relating to the movements and care of animals and their products; the disinfection of suspected yards, buildings and articles, and the destruction of animals as it may deem necessary, and to adopt from time to time all such regulations as may be necessary and proper.

This regulatory work calls for the inspection and tuberculin testing of cattle in cooperation with the U. S. Bureau of Animal Industry, and supervising and tuberculin testing of dairy cattle from which milk and milk products are sold or offered for sale in liquid or condensed form for human consumption in cities and incorporated towns that have ordinances requiring same.

TUBERCULOSIS

Bovine Tuberculosis—This disease is widely prevalent, existing in all sections of the world where cattle are raised, and recorded in Iowa statistics for the last thirty-five years, continues to be the greatest disease control problem of our time.

On account of the possibility of infection to human subjects from bovine sources, now recognized as a well established fact in many instances of tubercular children, and also on account of the large number of carcasses condemned as unfit for human food because of the extent of tuberculosis lesions found therein, the disease operates as a large factor in raising the price of beef and dairy products to the consumer.

The significance of the well established fact of the possibility of infecting the human subject and of the great waste of food products, was the original basis of the appeal from human sani-

LETTER OF TRANSMITTAL

HON. N. E. KENDALL, *Governor of Iowa:*

In compliance with Section 1714, Chapter 12 of the Code of Iowa, I take great pleasure in presenting this Biennial Report of the State Veterinary Surgeon of Iowa for the period ending June 30, 1922.

Respectfully submitted,

P. MALCOLM,

State Veterinary Surgeon.

Des Moines, Iowa, October 24, 1922.

tarians and the live stock industry of North America to the Federal Government to inaugurate a campaign for its extermination.

In 1917, the U. S. Congress appropriated \$500,000 for the payment of indemnities on tubercular cattle and the expenses of operating. In 1918 the demand for the work increased to such an extent that U. S. Congress increased the appropriation to \$1,500,000.

In September, 1918, the United States Bureau of Animal Industry entered into an agreement with the Iowa Commission of Animal Health to cooperate with the State of Iowa to control the spread of tuberculosis, with the view of eventually eradicating the disease from the cattle in the state. With this aim in view, the United States Bureau of Animal Industry, in September, 1918, established an office in Des Moines, Iowa, with a working force of three men.

The Thirty-eighth General Assembly of the State of Iowa appropriated the sum of \$100,000 to be used by the Commission of Animal Health for the control and suppression of all contagious diseases, and the paying of indemnity on animals slaughtered on account of tuberculosis.

The requests for this work became so numerous that the amount of money appropriated by the Thirty-eighth General Assembly was insufficient to meet the demand, and it became necessary, if the state should attempt to take care of the many applications from various cattle raisers in the state, that the appropriation be increased.

The question was taken up by the Thirty-ninth General Assembly. The result was that that honorable body very liberally increased the appropriation \$150,000 annually for the biennial period ending June 30, 1923. By this the Commission of Animal Health was empowered to use \$250,000 annually for the control of all contagious diseases and the paying of indemnity to owners of cattle slaughtered on account of being affected with tuberculosis.

The following is the amount of work accomplished by this department in cooperation with the United States Department of Animal Industry for the biennial period commencing July 1, 1920, and ending June 30, 1922.

On July 1, 1920, there were 49 tuberculosis-free accredited herds in the state; 177 herds that had passed one clean test, and a total of 1,550 herds under supervision.

June 30, 1922, we have 779 herds fully accredited, representing 23,649 head of cattle; 3,500 herds that have passed one clean test, representing 51,690 head of cattle, and 1,478 herds tested that

showed infection, representing 38,458 head of cattle; a total of 5,757 herds, representing 113,797 head of cattle under supervision.

This amount of work could never have been accomplished had it not been for the loyal support and the untiring effort put forth by the Bureau of Animal Industry in fulfilling the conditions set forth in the cooperative agreement entered into by the Federal Government and the State of Iowa. The U. S. Bureau of Animal Industry in this biennial period paid \$283,373.28 in indemnities on animals slaughtered on account of being tubercular.

During the biennial period ending June 30, 1922, this department has been called upon to investigate 4,653 calls as tabulated below:

Anthrax (suspected)	1
Dourine (suspected)	1
Glanders (suspected)	4
(positive)	1
Necrobacillosis (sheep)	2
Forage Poisoning	4
Rabies	19
Scabies	39
Texas Fever	1
Tuberculosis	4,143
Hog Diseases	243
General Calls	195
Total	4,653

ANTHRAX

Anthrax is an acute febrile infectious disease. During the last biennium there was one supposed outbreak which at the onset looked very suspicious of Anthrax, but upon thorough investigation, it proved to be a dietetic disease in some form of forage poisoning.

DOURINE

Dourine is a malignant specific vesicular disease of the urogenital organs of the equine species, resembling closely in all its aspects and effects syphilis in the human patient. This disease is incurable. It has been the policy of the federal authorities, co-operating with the state department, to destroy all animals affected. As a result of this policy, I am glad to state that there is no known case of this disease in the state at the present time, or at any time during the last biennium.

GLANDERS

Glanders is a contagious, usually chronic infectious disease of

horses, asses, and mules. Animals found affected with Glanders are promptly destroyed. During the last biennium there were reported to this department four cases that were suspicious of Glanders, but upon investigation the tests applied proved negative, and the symptoms attributed to other causes. Another case was reported where the reactions to the tests applied were positive. On personal investigations and tests, I found that Glanders actually existed in this stable. The afflicted horses were promptly destroyed and positive lesions of Glanders were found upon post mortem examination. This stable is under observation at the present time.

NECROBACILLOSIS

Necrobacillosis is a condition or disease found in cattle, sheep and swine, resulting from necrophorus. In cattle this infectious result is what is termed "ulcerative ano-vulvitis," a local infection. In sheep it results in what is commonly called lip and leg ulceration. This infection in swine produces "bullnose," necrotic pneumonia or necrotic enteritis. This infection is rather rare in cattle and sheep but it is quite prevalent in hogs, and in all forms responds rather readily to persistent treatment. The internal necrotic conditions found in hogs are more difficult to overcome and they cause considerable loss.

STOMATITIS

Stomatitis is a diseased condition occasionally found in cattle and more rarely in horses. It is of special interest when found in cattle because of its similarity to European foot and mouth disease, which fact makes it necessary to investigate reports very promptly and thoroughly. Such investigation is always made when reports are received stating that cattle are affected with sore mouth, and when there is the least doubt as to the nature of the infection, experimental inoculations are promptly made.

FORAGE POISONING

Forage Poisoning is a convenient term applied to various toxic conditions resulting from the use of improper feed. In some instances the causative agent seems to be chemical in nature. In other, toxins or ptomaines seem responsible for the condition, while again the condition may be due to micro-organisms, pathogenic in character. The condition commonly called "corn-stalk disease" comes under this heading. Owing to the fact that little is known of the nature of the so-called "Forage Poisoning" the only remedy

at hand is change of feed or pasturage. In some instances a certain pasture or stock field which proves injurious early in the season may become safe later. There should be continued research until the true nature of this disease or condition is discovered.

RABIES

The control and eradication of Rabies is a very important duty of this department because of its communicability to man from animals; its rapid spread if it remains uncontrolled and the extremely high rate of mortality in all species of animals in which it develops. Strict quarantine measures, the destruction of exposed animals, including the confinement of dogs in the community where the outbreak occurs are essential in eradicating the disease.

Scientists have for the last few years been experimenting with a vaccine for the prevention of rabies in the dog, and their reports on these experiments are very favorable. If this vaccine can be brought to the point where its use in the field will be practical, not only for preventive measures in the dog but in other domestic animals as well, it will be a material aid in the eradication of this disease. Many valuable animals may be saved that under our present methods either die or have to be destroyed.

SCABIES

During the last biennium the percentage of scabies in both cattle and sheep in this state has shown a very satisfactory decrease, which I believe is due to the rigid enforcement of both the State and Federal regulations relative to dipping and quarantine.

TEXAS FEVER

Texas Fever is a specific blood disease of cattle, due to a protozoon which is transmitted by the tick. Upon one occasion the tick was reported as existing on cattle recently shipped into the state from the South. This condition was soon controlled by successive dippings of the infested cattle.

HOG CHOLERA

The control of Hog Cholera during the last biennium has been upon a cooperative basis between the U. S. Bureau of Animal Industry and the Iowa Commission of Animal Health. Under this system, the Bureau employs four veterinarians who are stationed at available points over the state. Each veterinarian devotes all his time to investigating cases where assistance has been requested; he makes sanitary surveys of infected premises, gives warning to neighbors, etc.

The remaining sections of the state are controlled by the Commission of Animal Health through the Assistant State Veterinarians of which we have one appointed in each county. They make such investigations as are made by the Bureau veterinarians, but they work on a per diem and expense basis.

The fundamental principles which have reduced cholera in the state to a minimum are:

1. Vaccination.
2. Quarantine.
3. Sanitation.

By vaccination is meant the use of the preventive serum and virus treatment. There is no other treatment known that will either prevent or successfully combat hog cholera. The results of vaccination depend upon the quality of the serum and virus used, method of administration and the condition of the animal to which the treatment is administered.

The quality of the serum is established by the strict federal inspection maintained at all plants doing an interstate business. The intelligent administration of the treatment necessitates a thorough understanding of both the disease and treatment.

Since only competent veterinarians possess these qualifications the most favorable results follow the use of serum and virus in their hands.

Their experience and scientific knowledge is very necessary to determine the condition of the hogs at time of vaccination.

Many unfavorable results have followed the use of serum where the hogs were too sick, the pigs too young, the dosage of serum and virus too small, etc. These irregularities are being rapidly overcome, yet in spite of them there has been a saving of 85 per cent of all hogs in infected herds given the serum treatment as compared with a loss of more than 85 per cent of all hogs in infected herds not so treated. When infected hogs are treated early there has been a loss of less than 5 per cent.

To compare the serum treatment with any other "so-called" treatment as a preventive in well herds would be ridiculous. There is no other product advocated as a preventive that its producer dare use against virulent virus.

Educational meetings have been held in practically every county in the state where hog raisers have been given instructions and practical demonstrations in the use of Anti-Hog Cholera Serum and Hog Cholera Virus. Eighty-nine counties have had one school

of instructions and twenty-six of these counties have held two schools.

The instructions are being given in accordance with the Serum and Virus Law passed by the Twenty-ninth General Assembly which provides as follows:

"Written permits to administer virulent blood or virus from cholera infected hogs shall be issued by the Commission only to such persons as present satisfactory evidence that they are qualified to administer the same. Such permits may be canceled by the Commission upon it appearing that the holder thereof is no longer a proper person to administer such virulent blood or virus unless he is the holder of a valid unrevoked permit, and manufacturers and dealers shall sell to all permit holders without discriminating as to the price of the products.

"Provisions shall be made by the State Veterinarian for instruction in the use of serum and virus in each county not oftener than once each year, and he is hereby authorized and directed to make all necessary arrangements for such instruction at a convenient time and place, when there are seven or more applicants, who are residents of the county for such instruction. Persons who desire to avail themselves of such courses of instruction shall make application to the county agent accompanied by a fee of \$5.00.

"The County Agent shall forward such applications and fees to the State Veterinarian, who shall notify the extension department of the Iowa State College of Agriculture and Mechanic Arts at Ames, and said department shall within thirty days send competent instructors to such county to hold a school of instructions and demonstrations necessary and conduct examinations and forward his report to the commission immediately.

"Upon receiving such report it shall be the duty of the commission to issue permits to those instructed as provided in Section 15 of this act. Such permits shall allow the applicant to use virulent blood or virus upon animals owned by himself. The compensation of the instructors and other expenses connected with such instructions, shall be paid out of the fee received from applicants, and any surplus shall be paid into the funds of the commission.

"The Animal Health Commission may hold such school of instruction at Ames at such times as they deem proper, and shall hold the same upon the application of ten or more for such schools and at such schools no fees shall be charged and permits shall be granted to applicants as provided in Section 17, and shall hold two stated schools each year on the first Monday of January and August, respectively."

During the last biennium 6,076 hog raisers have taken the school of instructions 739 of this number have taken the instructions at the Iowa State College, Ames, Iowa, under the supervision of the Commission of Animal Health. Four thousand, four hundred and ninety-one have paid fees for the instructions as provided in Chap-

ter 17, Sec. 1783—A. 16. Supplement to the Compiled Code of Iowa, 1921.

Four thousand, three hundred and eighty-four permits have been issued which shows that 846 failed to pass the examination and they therefore failed to receive permits.

There has been received in fees by this department for such instructions \$22,513.35.

The total expenditures of such schools were \$6,022.10, leaving a balance of \$16,091.25 which has been deposited with the State Treasurer.

RENDERING PLANTS

By an act of the Thirty-eighth General Assembly, Chapter 248, "No person, firm or corporation shall engage in the business of disposing of the bodies of dead animals without first obtaining a license to do so in the manner and upon the terms and conditions as provided."

Any person, firm or corporation desiring to engage in the business of disposing of the bodies of dead animals, by cooking or otherwise, shall file application with and receive a license from the State Veterinary Surgeon, of the State of Iowa. These licenses are for a period of one year and must be renewed annually. A \$25.00 fee must accompany each application and if a license is granted to conduct such business an annual fee of \$25.00 must be paid for such licenses.

These disposal plants must be located, built, equipped, and operated in accordance with the laws of the State of Iowa and the rules and regulations of the Commission of Animal Health. Upon application for a license to operate such a plant, the State Veterinary Department is required to make an inspection to determine if said plant is constructed in accordance with the state law. An annual inspection is also required to ascertain if the plant in question is operating in accordance with the provision of the law, and the Rules and Regulations of the Commission of Animal Health. Prior to July 1st, 1921, this department employed a Rendering Plant Inspector who devoted his entire time to the inspection of these plants. Under this method from July 1st, 1919 to June 30, 1920, it cost the State of Iowa \$2,723.47 to make such inspections. The following year from July 1st, 1920 to June 30, 1921, the total amount of expenditures was \$1,508.26.

Due to the financial depression which caused a very low price

to be placed on the products of these plants, such as hides, tankage, and grease, there was a great decrease in the number of plants operating in the state. This condition made it impractical to keep an inspector devoting all his time to this work. On May 3, 1921, I made application to the Retrenchment and Reform Committee to have the duties of the rendering plant inspector transferred to the Assistant State Veterinarians, of which there is one appointed for each county in the state. These assistants work upon a per diem and expense basis. This change was granted by the retrenchment and Reform Committee and was put into effect July 1st, 1921. Under this system from July 1st, 1921 to June 30, 1922, the total cost was \$615.56.

The Rendering Plants, I believe, have helped materially in the control of contagious and infectious diseases in the livestock in Iowa, as the carcasses of animals dying from the effects of a contagious disease can be immediately removed from the owner's premises and disposed of by cooking under high pressure which process renders the carcass waste as a sterile product. Also these plants are a help to the community from a financial standpoint, as the by-products, such as grease and tankage, have been utilized that heretofore were waste materials.

During the year 1921 there was licensed with this department 82 plants, and from January 1, 1922, up to July 1, 1922, there were 54 plants licensed, which are listed as follows:

RENDERING PLANTS IN IOWA

1921

	Applications	License
Audubon Rendering Works, Audubon	X	X
LaForge & Sons, Ames	X	X
Eckman & Sundun, Albert City	X	X
Shim & M. Ginsburg, Anamosa	X	X
Akron Rendering Works, Akron	X	X
Alpha Rendering Co., Alpha	X	X
Bossen Bros., Bennett	X	X
LaForge & Sons, Boone	X	X
J. H. Hough, Battle Creek	X	X
Cherokee Rendering Works, Cherokee	X	X
Carroll Rendering Works, Carroll	X	X
William Ater, Cedar Rapids	X	X
Coln Rendering Works, Coln	X	X
Coon Rapids Rendering Works, Coon Rapids	X	X
Clinton, Sidney Robb, Clinton	X	X
Collins Rendering Works, Collins	X	X
Creston Rendering Works, Creston	X	X
United Reduction Co., Council Bluffs	X	X
LaForge & Sons, Des Moines	X	X
Davenport Rendering Works, Davenport	X	X
Jacob K. Hawbaker, Dallas Center	X	X
August Grandgeorge, Eagle Grove	X	X
C. S. Percival & Co., Des Moines	X	X
J. H. McGee, Fairfield	X	X
Fairbank Rendering Works, Fairbank	X	X
Galva Rendering Works, Galva	X	X
Puck & Miller, Harris	X	X
Hawkeye Reduction Co., Humboldt	X	X
Hinton Rendering Works, Hinton	X	X
Ramsey & Hall, Hamburg	X	X
H. Schulman, Iowa City	X	X
Iowa Falls Rendering Works, Iowa Falls	X	X
Ida Grove Rendering Works, Ida Grove	X	X
Jefferson Produce Co., Jefferson	X	X
May & Wissler, Kingsley	X	X
H. C. Gunther, Le Mars	X	X
Bagenstos Rendering Works, LaPorte City	X	X
Larchwood Rendering Works, Larchwood	X	X
Lund & Curwell, Mason City	X	X
Minden Rendering Works, Minden	X	X
Continental Serum Lab., Muscatine	X	X
C. S. LaForge, Mechanicsville	X	X
Melbourne Rendering Works, Melbourne	X	X
Malvern Rendering Works, Malvern	X	X
Ray Green, Morningsun	X	X
C. A. Austine, Moville	X	X
Hawkeye Rendering Works, Marengo	X	X
Montezuma Rendering Works, Montezuma	X	X
J. H. Hough, Mapleton	X	X
Odebolt Rendering Works, Odebolt	X	X
Otis Taylor, Oskaloosa	X	X
Oakland Rendering Works, Oakland	X	X
John Morrell & Co., Ottumwa	X	X
Oxford Junction Rendering Works, Oxford Junction	X	X
Dibbron & Klosson, Paulina	X	X
Pocahontas Rendering Works, Pocahontas	X	X
H. C. Schneider, Rock Rapids	X	X
Rockford Rendering Works, Rockford	X	X
Lemly Reduction Co., Richland	X	X
Red Oak Rendering Works, Red Oak	X	X
Georges Drug Store, R. C. George, Sioux Rapids	X	X
Storm Lake Rendering Works, Storm Lake	X	X
Frith Rendering Co., Dubuque	X	X
Shenandoah Rendering Works, Shenandoah	X	X
Sac City Reduction Works, Sac City	X	X
Sibley Rendering Works, Sibley	X	X
Sanitary Rendering Works, Soom	X	X
Win. Groedel, Sioux Center	X	X
Swea City Rendering Works, Swea City	X	X
John VanDer Bosch, Sanborn	X	X
Alec Thompson, Traer	X	X
Tama Rendering Works, Tama	X	X
A. D. Etzel & Son, Vail	X	X
Cole Bros., Waterloo	X	X
J. T. LaForge & Sons, Washington	X	X
J. T. LaForge & Sons, Webster City	X	X

	Applications	License
Waukon Rendering Works, Waukon	X	X
H. W. Manor, Williamsburg	X	X
Vernon Hulm, Walnut	X	X
What Cheer Rendering Works, What Cheer	X	X
Wellman Rendering Works, Wellman	X	X
1922		
Ames Disposal Works, Ames	X	X
J. T. LaForge & Sons, Boone	X	X
Cherokee Rendering Works	X	X
Clinton Rendering Works, Clinton	X	X
Johnson & Co., Creston	X	X
Carroll Rendering Works, Carroll	X	X
Frith Rendering Works, Dubuque	X	X
C. S. Percival, Des Moines	X	X
Adams Rendering Works, Fairbank	X	X
Slaughter and Rendering Works, Davenport	X	X
J. T. LaForge & Sons, Des Moines	X	X
Galva Rendering Works, Galva	X	X
Hamburg Rendering Works, Hamburg	X	X
Hawarden Rendering Works, Hawarden	X	X
Geo. G. Miller, Harris	X	X
Humboldt Rendering Works, Humboldt	X	X
H. Schulman, Iowa City	X	X
Ida Grove Rendering Works, Ida Grove	X	X
Houlton Mortor Co., Ireton	X	X
J. T. LaForge & Sons, Iowa Falls	X	X
LeMars Rendering Works, LeMars	X	X
A. H. Bagenstos, LaPorte City	X	X
John Northrup, Luverne	X	X
Mechanicsville Rendering Works, Mechanicsville	X	X
Lund & Burwell, Mason City	X	X
Sanitary Rendering Works, Minden	X	X
Melbourne Rendering Works, Melbourne	X	X
Continental Serum Lab., Muscatine	X	X
Lawrence J. Niekmun, Manning	X	X
C. A. Gustine, Moville	X	X
R. S. Green, Morning Sun	X	X
Hawkeye Rendering Works, Marengo	X	X
Mapleton Hlde & Tallow Co., Mapleton	X	X
Odebolt Rendering Works, Odebolt	X	X
John Morrell & Co., Ottumwa	X	X
Oxford Junction Rendering Works, Oxford Junction	X	X
Sanitary Rendering Works, Oakland	X	X
A. N. Grady (Kalona), Riverside	X	X
Rockford Rendering Works, Rockford	X	X
H. P. Schneider, Rock Rapids	X	X
Lemly Reduction Co., Richland	X	X
Sioux Rapids Rendering Co., Sioux Rapids	X	X
Sac City Rendering Works, Sac City	X	X
Storm Lake Rendering Works, Storm Lake	X	X
Alex Thompson, Traer	X	X
A. Etzel & Son, Vail	X	X
Wall Lake Rendering Works, Wall Lake	X	X
West Liberty Hlde & Tallow Co., West Liberty	X	X
R. H. Robbins, Woodward	X	X
Cole Rendering Co., Waterloo	X	X
J. T. LaForge & Sons, Washington	X	X
J. T. LaForge & Sons, Webster City	X	X
H. W. Manor, Williamsburg	X	X
Wilton Junction Hlde & Tallow Co., Wilton Junction	X	X

SERUM PLANTS

The Thirty-ninth General Assembly passed a law requiring all Serum plants manufacturing and selling Anti-Hog Cholera Serum and Hog Cholera Virus within the State of Iowa, to obtain from the Commission of Animal Health a license for the manufacture

and sale of their product. This law also provides that any firm, person, company or corporation before selling or offering for sale within the State of Iowa any Anti-Hog Cholera Serum or Hog Cholera Virus shall first make application to the Commission of Animal Health for a dealer's permit. To obtain such a permit, it becomes necessary that the applicant file in the office of the State Veterinarian a bond in the penal sum of \$5,000 for the use and benefit of all persons using the product who may be damaged by reason of negligence in the warehousing, handling or distribution of such product, and for the use and benefit of the state for all penalties adjudged against the principal thereon in any actions instituted in the name of the state.

A fee of \$25.00 must accompany applications for manufacturer's permit for each plant where it is proposed to manufacture anti-hog cholera serum and hog cholera virus; and a fee of \$15.00 must accompany applications for dealer's permit for each warehouse or distributing agency it is proposed to maintain. All permits shall be valid for one year from the date of issuance, and renewals thereon shall be subject to like conditions, including fees as are imposed in the case of original permits.

During the biennial period ending June 30, 1922, there has been collected in fees for both dealers and manufacturers permits, \$1,870.

The following is a list of valid permit holders, classified as to dealers and manufacturers.

MANUFACTURERS

Gulfoll Serum Co., Kansas City, Kansas.
 Johnson Serum Co., Topeka, Kansas.
 Gregory Farm Laboratories, Whitehall, Illinois.
 Mitchell Serum Co., Grand Island, Nebraska.
 Jensen Salsbery Laboratories, Kansas City, Missouri.
 Corn States Serum Co., Omaha, Nebraska.
 Grain Belt Supply Co., Omaha, Nebraska.
 Fort Dodge Serum Co., Fort Dodge, Iowa.
 Capital Serum Co., Des Moines, Iowa.
 Purity Biological Laboratories, Sioux City, Iowa.
 American Serum Co., Sioux City, Iowa.
 Royal Serum Co., Kansas City, Kansas.
 Lederle Antitoxin Laboratories, New York City, New York.
 Alexander Laboratories, Kansas City, Missouri.
 Sioux City Co., Sioux City, Iowa.
 Ottumwa Serum Co., Ottumwa, Iowa.
 The Cutter Laboratories, Berkeley, California.
 Pitman-Moore Co., Indianapolis, Indiana.
 South Western Serum Co., Wichita, Kansas.
 Cedar Rapids Serum Co., Cedar Rapids, Iowa.
 Fowler Serum Co., Kansas City, Kansas.
 Continental Laboratories, Muscatine, Iowa.
 Anchor Serum Co., St. Joseph, Missouri.

Liberty Laboratories, Ralston, Nebraska.
 Grain Belt Supply Co., Mason City, Iowa.
 West Plains Serum Co., West Plains, Missouri.
 Ralston Serum Co., Ralston, Nebraska.
 Diamond Serum Co., Des Moines, Iowa.

DEALERS

Ames Veterinary Supply Co., Ames, Iowa. (Sioux Falls Serum.)
 Dr. C. G. Cole, Ames, Iowa. (Johnson Serum Co.)
 C. B. McClelland, Des Moines, Iowa. (Ia. Vet. Supply Co.)
 Alexander Laboratories, Kansas City, Missouri.
 Sihler Serum Co., Kansas City, Missouri.
 Dr. L. U. Shipley, Sheldon, Iowa.
 Ottumwa Serum Co., Ottumwa, Iowa.
 Missouri Valley Serum Co., Kansas City, Missouri.
 Pitman-Moore Co., Des Moines, Iowa.
 Pitman-Moore, Sioux City, Iowa.
 Royal Serum Co., Des Moines, Iowa.
 United Serum Co., Des Moines, Iowa.
 United Serum Co., Waterloo, Iowa.
 Dr. Jas. D. Cecil, Waterloo, Iowa.
 Cedar Rapids Serum Co., Cedar Rapids, Iowa.
 E. P. Coburn (Lederle Serum), 2817 Cottage Grove Ave., Des Moines, Iowa.
 Armour & Co. (Fowler Serum Co.)—
 A. F. Beck, Keokuk, Iowa.
 J. C. Love, Dubuque, Iowa.
 P. Epeneter, Des Moines, Iowa.
 J. C. Schmitt, Davenport, Iowa.
 D. S. McDermid (Denver Hog Serum), M. S. McDermid (Southern Serum),
 Muscatine, Iowa.
 Corn States Serum Co., Cedar Rapids, Des Moines, Mason City, Iowa.
 Continental Serum Laboratories, Muscatine, Iowa.
 Sherman Bros., Washington, Iowa.
 Globe Serum Co., Sioux City, Iowa.
 W. E. Stribling (Sioux City Serum), Des Moines, Iowa.
 Red Cross Drug Co., Waterloo, Iowa.
 Purity Biological Laboratories, Sioux City, Iowa.
 Fidelity Supply Co., 810 Exchange Ave., Chicago, Illinois.
 Louisa County Farm Bureau, Wapello, Iowa. (American Serum.)
 Liberty Laboratories, Ralston, Nebraska.
 Grain Belt Supply Co., Mason City, Iowa.
 Dr. J. W. Griffith, Cedar Rapids, Iowa. (Purity Biological Laboratories.)
 Emil J. Kistenmacher, Davenport, Iowa. (American Serum.)
 American Serum Co., Sioux City, Iowa.
 Geo. L. Goodrich, Ida Grove, Iowa. (Sihler Serum Co.)
 Rex Coal & Ice Co., Creston, Iowa. (Sihler Serum.)
 Greenwood & Taylor, Laurens, Iowa.
 Dr. N. N. Cochran, Cedar Rapids, Iowa. (United Serum.)
 Dr. S. H. Johnston, Carroll, Iowa.
 Liberty Laboratories, Des Moines, Iowa.
 Dr. Chas. Titus, Melbourne, Iowa. (Platte Valley Serum.)
 Dr. J. W. Ornduff, Ottumwa, Iowa.

LIVE STOCK IMPORTED INTO IOWA

Number of Animals Imported and the States from which they came,
July 1, 1920—June 30, 1922

State	Horses	Mules	D. & B. Cattle	Stockers	Hogs	Sheep
Alabama					1,312	
Arkansas			25		6,483	
Arizona			84			
California	3		3		1	
Colorado	24		118		1,655	
Connecticut	1					
Delaware						
Florida		2			2	
Georgia			12			
Idaho	29	38			5,410	
Illinois	8,443	265	4,955	21,119	5,905	163
Indiana	19	1	112		286	
Kansas	142	126	217	1,784	161	
Kentucky	7		68	240		2 dogs
Louisiana	11	9	7		288	
Maine						
Maryland	2		1		2	
Massachusetts			1			
Michigan	8		20			
Minnesota	1,479	58	12,898	44,905	83,011	88
Mississippi	4		91		353	
Missouri	928	337	2,457	37,543	82,335	9,470
Montana	730	14	248		1,274	6,636 1 dog
Nebraska	1,537	407	2,413	53,873	7,727	384,577 2 dogs
Nevada						
New Hampshire			1			
New York			67			
North Carolina					2	1 dog
North Dakota	445	34	279		1,124	
New Jersey			1			
New Mexico	9		345		140	
Ohio	4		149		112	
Oklahoma	20		120	124	5,690	2
Oregon	25		456		1	
Pennsylvania			9			
Rhode Island						
South Carolina						
South Dakota						
Tennessee	1,126	37	2,150	103	11,849	1,238 2 goats
Texas	14	2	167		3	
Utah	68	22	942		4,806	
Vermont	3		1		9,613	
Virginia			2			
Washington			2		1	1 dog
West Virginia			1			
Wisconsin	233	6	4,300		1,753	39
Wyoming	39				3	
Canada	124		31			
Mexico						
Sioux City				44,293	5,226	
Total	15,469	1,358	32,014	203,084	220,149	402,235

EXAMINATIONS

The following is a statement of the Veterinary Examinations held by the Veterinary Examining Board during the biennium:

College	July 1920			Jan. 1921			July 1921			Jan. 1922		
	Examined	Failed	Re-examined	Examined	Failed	Re-examined	Examined	Failed	Re-examined	Examined	Failed	Re-examined
Iowa State College	18			18			18			2		
Kansas City Vet. College	1			1			1			1		
St. Joseph Vet. College	1			1			1			1		
McKillop Vet. College	1			1			1			1		
Chicago Vet. College	1			1			1			1		
Kansas State Agricultural College	1			1			1			1		
Colorado Agricultural College	1			1			1			1		
Indiana Vet. College	1			1			1			1		
Ontario Vet. College	1			1			1			1		
Grand Rapids Vet. College	1			1			1			1		
Michigan Agricultural College	1			1			1			1		

COMMISSION OF ANIMAL HEALTH AND VETERINARY DEPARTMENT.

RECEIPTS

EXAMINATIONS AND RENEWALS

1920			
July	To Fees Received		\$ 1,211.00
August	" " "		61.00
September	" " "		29.00
October	" " "		10.00
November	" " "		25.00
December	" " "		10.00
1921			
January	" " "		56.00
February	" " "		33.00
March	" " "		30.00
April	" " "		11.00
May	" " "		244.00
June	" " "		722.00
July	" " "		313.00
August	" " "		46.25
September	" " "		25.00
October	" " "		28.00
November	" " "		8.00
December	" " "		64.00
1922			
January	" " "		95.00
February	" " "		12.00
March	" " "		12.00
April	" " "		41.00
May	" " "		559.00
June	" " "		569.00
By Paid Treasurer of State			\$ 4,154.85

VETERINARY REGISTERS

1920	To	Fees	Received.....	\$	
October	"	"	"	8.00	
November	"	"	"	5.00	
December	"	"	"	3.00	
1921					
January	"	"	"	9.10	
February	"	"	"	7.00	
March	"	"	"	3.00	
April	"	"	"	3.00	
May	"	"	"	5.00	
June	"	"	"	4.00	
July	"	"	"	2.00	
August	"	"	"	1.00	
September	"	"	"	1.00	
October	"	"	"	2.00	
December	"	"	"	2.00	
1922					
January	"	"	"	5.00	
February	"	"	"	1.00	
March	"	"	"	3.00	
April	"	"	"	3.00	
May	"	"	"	4.00	
June	"	"	"	2.00	
By return check of Purity Biological Lab., Sioux City, Iowa.....				2.00	
By Paid State Treasurer.....				71.10	
				<u>\$</u>	<u>73.10</u>

RENDERING PLANTS.

1920	To	Fees	Received.....	\$	
July	"	"	"	825.00	
August	"	"	"	525.00	
September	"	"	"	200.00	
October	"	"	"	450.00	
November	"	"	"	225.00	
December	"	"	"	325.00	
1921					
January	"	"	"	1,350.00	
February	"	"	"	475.00	
March	"	"	"	25.00	
April	"	"	"	50.00	
May	"	"	"	25.00	
June	"	"	"	25.00	
July	"	"	"	25.00	
October	"	"	"	25.00	
December	"	"	"	100.00	
1922					
January	"	"	"	300.00	
February	"	"	"	100.00	
March	"	"	"	200.00	
April	"	"	"	525.00	
May	"	"	"	150.00	
June	"	"	"	50.00	
By Paid Treasurer of State.....				\$	5,975.00
				<u>\$</u>	<u>5,975.00</u>

SERUM LICENSES FOR MANUFACTURING COMPANIES.

1920	To	Fees	Received.....	\$	
July	"	"	"	30.00	
August	"	"	"	30.00	
November	"	"	"	30.00	
1921					
January	"	"	"	255.00	
February	"	"	"	45.00	
March	"	"	"	30.00	
April	"	"	"	15.00	
June	"	"	"	150.00	
July	"	"	"	300.00	
August	"	"	"	50.00	
September	"	"	"	125.00	
1922	June 1921	Fees	Received.....	45.00	
January	"	"	"	25.00	
March	"	"	"	25.00	
April	"	"	"	25.00	
May	"	"	"	25.00	
June	"	"	"	50.00	
By Paid Treasurer of State.....				\$	1,255.00
				<u>\$</u>	<u>1,255.00</u>

SERUM LICENSES FOR DEALERS.

1921	To	Fees	Received.....	\$	
July	"	"	"	75.00	
August	"	"	"	105.00	
September	"	"	"	105.00	
October	"	"	"	15.00	
December	"	"	"	15.00	
1922					
January	"	"	"	60.00	
March	"	"	"	30.00	
April	"	"	"	30.00	
May	"	"	"	105.00	
June	"	"	"	75.00	
By Paid Treasurer of State.....				\$	615.00
				<u>\$</u>	<u>615.00</u>

LAYMEN PERMITS—HOG CHOLERA LICENSES.

1921	To	Fees	Received.....	\$	
May	"	"	"	200.00	
June	"	"	"	130.00	
July	"	"	"	170.00	
August	"	"	"	1,120.00	
September	"	"	"	565.00	
October	"	"	"	1,040.35	
November	"	"	"	1,705.00	
December	"	"	"	2,060.00	
1922					
January	"	"	"	3,120.00	
February	"	"	"	2,470.00	
March	"	"	"	1,655.00	
April	"	"	"	1,900.00	
May	"	"	"	3,650.00	
June	"	"	"	2,730.00	
By Paid Treasurer of State.....				\$	22,515.35
				<u>\$</u>	<u>22,515.35</u>

RECAPITULATION OF FEES JULY, 1920 TO JUNE 30, 1921

To Renewal Fees Received.....	\$ 1,422.60	
To Rendering Plant Fees Received.....	4,500.00	
To Serum Mfg. and Dealers Fees Received.....	630.00	
To Examination Fees Received.....	1,020.00	
To Sale of Veterinary Registers.....	45.00	
To refund from A. P. Arp—overpayment of indemnity claim in 1920.....	273.74	
To refund from L. Rowley—overpayment Salary.....	20.00	
To sale of Thermometer.....	6.00	
To exchange on checks received.....	.15	
By Treasurer's Receipts No. 5046.....	\$ 1,534.75	
" " " " 5047.....	800.00	
" " " " 5121.....	149.00	
" " " " 5122.....	650.00	
" " " " 5306.....	2,270.00	
" " " " 5427.....	776.00	
" " " " 5428.....	140.00	
" " " " 5573.....	570.00	
" " " " 5595.....	31.86	
" " " " 5596.....	165.00	
" " " " 5597.....	60.00	
" " " " 5609.....	583.29	
By refund Exam. Fee to F. W. Hombarg.....	15.00	
By refund Render. Plant Fee to C. S. LaForge.....	25.00	
By protest check of Wall Lake Rendering Co.....	27.85	
By refund Render. Plant fee to Cole Bros.....	25.00	
By refund on cancelled check of 10-13-20.....	25.00	
By protested check of Purity Biol. Lab. Co.....	2.00	
By error in listing and addition.....	67.85	
	\$ 7,917.59	\$ 7,917.59

RECAPITULATION OF FEES JULY 1, 1921 TO JUNE 30, 1922.

To renewal and examination fees.....	\$ 1,712.25	
To serum dealers licenses.....	615.00	
To serum manufacturers licenses.....	625.00	
To sale of Veterinary Registers.....	26.00	
To rendering plant fees.....	1,475.00	
To Laymen's Hog Cholera Permits.....	22,515.35	
To refund—old bills of Sach-Lawler Co.....	41.12	
To refund on Warrant No. 54444 of 4-29-22.....	6.12	
By Paid State Treasurer—Receipt No. 5716.....	\$ 800.00	
" " " " " 5873.....	700.00	
" " " " " 5874.....	1,305.00	
" " " " " 5875.....	350.25	
" " " " " 5999.....	32.00	
" " " " " 6001.....	1,115.35	
" " " " " 6002.....	40.00	
" " " " " 6173.....	41.12	
" " " " " 6174.....	40.00	
" " " " " 6175.....	3,500.00	
" " " " " 6321.....	3,000.00	
" " " " " 6322.....	300.00	
" " " " " 6323.....	100.00	
" " " " " 6516.....	4,000.00	
" " " " " 6517.....	300.00	
" " " " " 6518.....	26.00	
" " " " " 6594.....	1,900.00	
" " " " " 6595.....	580.00	
" " " " " 6596.....	44.00	

By Paid State Treasurer—Receipt No. 6727.....	\$ 6,350.00	
" " " " " 6728.....	470.00	
" " " " " 6729.....	1,055.00	
" " " " " 6730.....	6.12	
" " " " " 6763.....	91.00	
" " " " " 6764.....	325.00	
" " " " " 6765.....	484.90	
By checks returned on account of no funds.....	60.10	
	\$27,015.84	\$27,015.84

SALARIES

State Veterinarian		
7-1-20 to 7-1-21	To salary paid Peter Malcolm.....	\$ 3,000.00
7-1-21 to 7-1-22	To salary paid Peter Malcolm.....	3,000.00
		\$ 6,000.00
Veterinary Dept. Office Help		
7-1-20 to 11-6-20	To salary paid V. Barton.....	\$ 320.00
7-1-20 to 6-1-21	To salary paid F. Bernhard.....	1,100.00
6-1-21 to 7-1-21	To salary paid Stella Connally.....	100.00
10-10-20 to 7-1-21	To salary paid Stella Shannon.....	697.25
		\$ 2,217.25
7-1-21 to 6-1-22	To salary paid Stella Connally.....	\$ 1,100.00
7-1-21 to 6-1-22	To salary paid Stella Shannon.....	987.50
June 1922	To salary paid F. Bernhard.....	26.65
June 1922	To salary paid Elsa Swanson.....	60.00
June 1922	To salary paid Elizabeth Krarup.....	41.20
		\$ 2,218.35

Recapitulation of Veterinary Salaries. Chapter 340, Sec. 29, 39th G. A. 1921

July 1	By appropriation to 7-1-23.....	\$10,800.00
	To paid Peter Malcolm, salary 1 year.....	\$ 3,000.00
	To paid Stella Connally, salary 11 mos.....	1,100.00
	To paid F. Bernhard, part of June.....	26.65
	To paid Stella Shannon, 11 mos.....	987.50
	To paid Elsa Swanson, part of June.....	60.00
	To paid Elizabeth Krarup, part of June.....	44.20
6-30-22	To balance on hand.....	5,581.65
		\$10,800.00
		\$10,800.00

Commissioners Salaries

7-1-20 to	To salary paid E. E. Sayers @ \$50.00 per 3 mos.	\$ 200.00
7-1-20 to	To salary paid Tom Downing @ \$50.00 per 3 mos.	200.00
7-1-21 to	To salary paid R. W. Cassady @ \$25.00 per 3 mos.	100.00
7-1-21 to	To salary paid L. C. Reece @ \$25.00 per 3 mos.....	100.00
7-1-21 to	To salary paid Frank Kinsley @ \$25.00 per 3 mos.	100.00
7-1-21 to	To salary paid G. C. Bannick @ \$25.00 per 3 mos.	100.00
		\$ 800.00

7-1-21 to		
7-1-22	To salary paid S. H. Johnston @ \$50.00 per 3 mos	\$ 200.00
7-1-21 to		
7-1-22	To salary paid E. E. Sayers @ \$50.00 per 3 mos.	200.00
7-1-21 to		
7-1-22	To salary paid R. W. Cassady @ \$25.00 per 3 mos.	100.00
7-1-21 to		
7-1-22	To salary paid M. L. Soeth @ \$25.00 per 3 mos....	100.00
7-1-21 to		
7-1-22	To salary paid Frank Kinsley @ \$25.00 per 3 mos.	100.00
7-1-21 to		
7-1-22	To salary paid L. C. Reece @ \$25.00 per 3 mos....	100.00
		<u>\$ 800.00</u>

Salaries—Office Help

7-1-20 to		
7-10-20	To salary paid Leefa D. Gay, steno.....	\$ 33.33
7-10-20 to		
3-5-21	To salary paid Lucille Rowley, steno.....	655.50
11-10-20 to		
6-1-21	To salary paid Stella Connally, steno.....	640.00
7-1-20 to		
10-25-20	To salary paid M. W. Emmel, Deputy.....	545.00
11-1-20 to		
7-1-21	To salary paid C. E. Miller, Deputy.....	1,200.00
5-1-21 to		
7-1-21	To salary paid Zita Tiernan, steno.....	160.00
5-20-21 to		
7-1-21	To salary paid Mrs. Lou Woodruff, steno.....	100.72
		<u>\$ 3,334.55</u>
7-1-21 to		
7-1-22	To salary paid Zita Tiernan, steno.....	\$ 995.00
7-1-21 to		
9-15-21	To salary paid Mrs. Lou Woodruff, steno.....	200.00
9-15-21 to		
7-1-22	To salary paid Bernice Johnson, clerk.....	920.00
7-1-21 to		
7-1-22	To salary paid C. E. Miller, Deputy.....	1,800.00
		<u>\$ 3,915.00</u>

Salaries—Field Men

7-1-20 to		
8-1-20	To salary paid E. G. Templeton @ \$150 Mo.....	\$ 150.00
8-1-20 to		
7-1-21	To salary paid E. G. Templeton @ \$170 Mo.....	1,870.00
7-1-20 to		
8-1-20	To salary paid J. F. Wall @ \$150 Mo.....	150.00
8-1-20 to		
7-1-21	To salary paid J. F. Wall @ \$170 Mo.....	1,870.00
7-1-20 to		
10-1-20	To salary paid R. A. Moye @ \$150 Mo.....	450.00
8-1-20 to		
11-1-20	To salary paid C. E. Miller @ \$150 Mo.....	450.00
7-1-20 to		
8-1-20	To salary paid M. V. Allbright @ \$150 Mo.....	150.00
7-1-20 to		
3-1-21	To salary paid G. B. Fincham @ \$150 Mo.....	1,200.00
3-1-21 to		
7-1-21	To salary paid G. B. Fincham @ \$170 Mo.....	680.00
8-20-20 to		
10-1-20	To salary paid W. A. Aitken @ \$150 Mo.....	180.00

11-1-20 to		
7-1-21	To salary paid W. C. Smith @ \$150 Mo.....	1,125.00
		<u>\$ 8,275.00</u>
7-1-21 to		
7-1-22	To salary paid E. G. Templeton @ \$170 Mo.....	\$ 1,907.00
7-1-21 to		
7-1-22	To salary paid G. B. Fincham @ \$170 Mo.....	2,040.00
7-1-21 to		
1-1-22	To salary paid J. F. Wall @ \$150 Mo.....	902.04
7-1-21 to		
7-1-22	To salary paid W. C. Smith @ \$150 Mo.....	1,960.00
7-1-21 to		
7-1-22	To salary paid H. N. Strader @ \$150 Mo.....	1,705.00
8-1-21 to		
7-1-22	To salary paid H. A. Seidel @ \$150 Mo.....	1,615.00
		<u>\$ 10,129.04</u>

Per Diem and Expense of Assistant Veterinarians and Office Expense

1920			
July	To Warrants Issued		\$ 3,077.57
August	" " "		2,807.71
September	" " "		2,096.62
October	" " "		1,143.31
November	" " "		2,282.46
December	" " "		2,123.39
1921			
January	" " "		1,610.52
February	" " "		1,114.17
March	" " "		1,246.90
April	" " "		647.61
May	" " "		903.85
			<u>\$ 19,053.51</u>
1921			
July	To Warrants Issued		\$ 1,773.49
August	" " "		1,156.35
September	" " "		1,746.87
October	" " "		2,420.35
November	" " "		2,502.06
December	" " "		1,347.87
1922			
January	" " "		1,380.75
February	" " "		1,937.41
March	" " "		1,058.06
April	" " "		1,784.52
May	" " "		1,761.86
June	" " "		1,906.48
July (prior)	" " "		1,009.30
Aug. (prior)	" " "		616.38
			<u>\$ 22,401.76</u>

INDEMNITIES.

1920	To	Warrants	Issued	
July				\$ 16,392.11
August	"	"	"	14,002.74
September	"	"	"	2,879.10
October	"	"	"	11,635.99
November	"	"	"	5,234.23
December	"	"	"	20,563.07
1921				
April	"	"	"	27,118.09
June	"	"	"	28,391.48
				<u>\$126,216.81</u>

INDEMNITIES.

1921	To	Warrants	Issued	
July				\$ 14,980.03
August	"	"	"	4,826.79
September	"	"	"	8,256.34
October	"	"	"	28,891.36
November	"	"	"	31,833.54
December	"	"	"	17,094.24
1922				
January	"	"	"	29,390.62
February	"	"	"	17,128.49
March	"	"	"	10,989.59
April	"	"	"	26,606.74
May	"	"	"	13,251.38
June	"	"	"	17,715.04
July (prior)	"	"	"	635.55
Aug. (prior)	"	"	"	12,014.01
				<u>\$233,407.72</u>

VETERINARY DEPT. AND COMMISSION OF ANIMAL HEALTH.

Recapitulation of Receipts and Disbursements, July 1, 1920, to July 1, 1921.

1920				
July 1	By	Balance		\$102,751.14
	To	paid Peter Malcolm, salary	\$ 3,000.00	
	To	paid office help, salaries	2,217.25	
	To	paid Commissioners, salaries	800.00	
	To	paid An. Health Commission office help	3,334.55	
	To	paid Fieldmen salaries	8,275.00	
	To	paid Per Diem and Expenses of Ass't Vet. and Fieldmen and office	19,053.51	
	To	paid Indemnities	126,216.81	
8-7-20	By	Fees and Refunds		\$ 1,534.74
10-9-20	By	Fees		149.00
1-22-21	By	Fees		370.00
4-1-21	By	Retrenchment and Reform Com., Appropriation to 7-1-21		56,849.27
4-9-21	By	Fees		140.00
6-18-21	By	Fees		570.00
6-25-21	By	Fees		195.86
6-30-21	By	Debit Balance (Forwarded)		236.11
				<u>\$162,897.12</u> <u>\$162,897.12</u>

Recapitulation of Receipts and Disbursements, July 1, 1921, to July 1, 1922, and Prior.

1921				
July 1	To	Debit Balance	\$ 336.11	
	To	paid Commissioners salaries	800.00	
	To	paid Comm. of Animal Health office help	3,915.00	
	To	paid Fieldmen, salaries	10,129.04	
	To	paid Per Diem and Expenses of Ass't Vet., Fieldmen and office expenses (prior to 7-1-22 incl.)	22,401.76	
	To	paid Indemnities (prior to 7-1-22 inclusive)	233,407.72	
July 1	By	Appropriation to 7-1-22		\$250,000.00
8-13-21	By	Fees		800.00
9-30-21	By	Fees		1,305.00
11-5-21	By	Fees		1,115.35
12-24-21	By	Fees		3,541.12
12-31-21	By	Cancelled Warr. No. 27937, dated May 6, 1920		80.00
2-11-22	By	Fees		3,000.00
4-15-22	By	Fees		4,000.00
5-13-22	By	Fees		1,900.00
6-17-22	By	Cancelled Warr. No. 54442, dated April 28, 1922		22.57
	By	Cancelled Warr. No. 3469, dated July 22, 1921		40.00
	By	Cancelled Warrs. No. 1150 and No. 1151, dated 7-11-21		306.97
8-30-22	By	Debit Balance (Transferred to new Appropriation)		4,878.62
			<u>\$270,989.63</u>	<u>\$270,989.63</u>

ACCREDITED VETERINARIANS

Abarr, A. J., Clearfield	Becker, L. H., Bellevue
Abarr, A. D., Blockton	Beckman, C. H., Humboldt
Addison, W. D., Manning	Belton, M. J., Redfield
Ahlers, F. R., Lamotte	Bell, R. K., Packwood
Aitken, Wm. A., Ames	Bevins, N. O., Hawkeye
Albery, G. A., Monticello	Bierne, Thos. J., West Side
Allen, N. R., Perry	Binnall, B. B., Pierson
Allen, R. M., Marshalltown	Birch, A. L., Waukon
Anderson, C. W., Jewell	Blair, A. H., Irwin
Anderson, H. L., Rockwell	Boles, F. A., Pisgah
Anderson, I. A., Stanhope	Born, A. L., Story City
Anderson, T. E., Bedford	Bossenberger, W. P., Williams
Andrews, W. L., Milton	Bowker, G. W., Van Horn
Asquith, G. T., West Liberty	Bradley, A. M., Alvord
Asqueth, W. S., What Cheer	Brady, E. M., Mason City
Atterberry, J. M., New Virginia	Brazie, F. E., Harlan
Avery, R. F., Montour	Breckenridge, H. G., Winterset
Baer, J. W., Malvern	Brenneman, Ray B., Melcher
Bailey, R. C., Bancroft	Brill, J. A., Dow City
Baker, Guy G., Spencer	Bromwell, V. G., Center Point
Ball, R. C., Titonka	Brooks, B. H., Riverton
Banks, C. H., Tipton	Brooks, J. L., Clinton
Barrett, L. F., Cascade	Brown, H. P., Corydon
Bauman, S. H., Birmingham	Brown, Ira C., Aiton
Baxter, C. E., Oakland	Brown, J. R., Ringsted
Beard, R. V., Burlington	Brown, R. G., Belmont
Beattie, S., Des Moines	Bryant, John B., Mt. Vernon

Buchleiter, W. H., Braddyville
 Buck, F. L., Grand Junction
 Bunker, C. E., Stockport
 Burlington, I. O., Williams
 Buschbom, F. C., Dyersville
 Butts, C. E., Brooklyn
 Buxton, E. A., Vinton
 Byrnes, R. C., Traer
 Cady, G. W., Clear Lake
 Calkins, R., Osceola
 Campbell, H. W., Ocheyedan
 Candill, B. L., New Hampton
 Carey, J. C., West Liberty
 Carson, G. M., Lake Mills
 Cassin, H. S., Kingsley
 Chalmers, D. J., Grant
 Charlesworth, J. T., Clear Lake
 Charlesworth, S. J., Roland
 Christopher, R. E., Dysart
 Christopher, W. F., Mt. Auburn
 Clark, F. E., Humboldt
 Clay, C. C., Marshalltown
 Coffin, H. L., Cummings
 Coffland, W. T., Vinton
 Cole, C. G., Ames
 Coleman, H. M., Moorhead
 Connell, A. G., Aurelia
 Conner, H. W., Bloomfield
 Copeland, H. D., Logan
 Covault, C. H., Ames
 Craik, A. L., Ireton
 Craft, J. S., Des Moines
 Cram, H. C., Wapello
 Crider, C. L., Elkader
 Crider, R. A., Elgin
 Crow, Fred J., Iowa City
 Culp, H. F., Ames
 Cummings, W. P., Perry
 Cunningham, G. N., Van Meter
 Curran, T. L., Ottumwa
 Davis, A. M., Akron
 Davis, D. J., Maxwell
 Davis, Forest, Moulton
 Dawson, John C., Vail
 Deiling, M. J., Dallas Center
 Dicken, M. E., Washington
 Diekman, F. C., Farmersburg
 Diller, C. R., Marshalltown
 Dixon, James, Tipton
 Dockstader, W. L., St. Ansgar
 Dodge, Geo. A., Northwood
 Doerr, John, Melbourne
 Dorrer, W. M., Volga
 Donahoe, M., Milford
 Dorweller, P. O., West Bend
 Doty, L. J., Little Rock
 Downing, Tom, Washington
 Drinkwater, W. M., Monticello
 Drown, F. A., Kellogg
 Dunn, Ed, Mason City
 Dunn, Iva, Atkins
 Eastman, D. A., Ames
 Edwards, F. H. P., Iowa City

Edwards, R. M., Des Moines
 Ellis, W. V., Hubbard
 Empey, W. H., Battle Creek
 Englebert, E. B., Garrison
 English, M. H., Sheldon
 Evans, G. A., Batavia
 Farmer, C. R., Keokuk
 Farr, Berne B., Keswick
 Feers, A. G., Davenport
 Fenton, V. G., Waterloo
 Ferrand, W. S., Manson
 Feuring, C. R., Nevinville
 Finley, E. L., Waverly
 Fincham, G. B., Algona
 Fisher, B., Prescott
 Fisher, Ed, Orange City
 Fisk, W. L., Ottumwa
 Fitch, E. L., Audubon
 Fitch, W. H., Bennett
 Flickinger, P. W., Greenfield
 Flinn, J. A., Jesup
 Fox, L. W., Burt
 Frank, J. E., Indianola
 Franks, C. C., Grimes
 Freed, Oscar F., Huxley
 Fry, C. R., Cincinnati
 Fuller, Roy W., Murray
 Fultz, Thos. G., Pella
 Gamrath, C. L., Fairfield
 Gamrath, H. A., Sioux City
 Garman, C. E., Nora Springs
 Garrett, H. U., St. Charles
 Garrett, S. B., Pleasantville
 Gaston, W. N., Peterson
 Gerard, R. S., Sigourney
 Getz, L. M., Atlantic
 Gibson, H. R., Algona
 Gidley, Thos. W., Malvern
 Gilchrist, C. M., Grinnell
 Gilchrist, W. D., Grinnell
 Gingery, J. B., Muscatine
 Glenn, J. C., Norway
 Gohde, H. J., Klester, Minn.
 Goode, Alonzo, Milo
 Gordon, L. F., New Hampton
 Graf, Chas. J., Stuart
 Graham, L. B., Cedar Rapids
 Graham, L. M., Rolfe
 Green, March, Grinnell
 Greif, E. C., Templeton
 Griffith, J. W., Cedar Rapids
 Grove, E. E., Newell
 Griswold, G. H., Dexter
 Grus, M. W., Radcliffe
 Gubser, K. H., Gilmore
 Gubser, N. E., Earlham
 Hadley, L. M., Ruthven
 Hagerty, H. J., Dubuque
 Halver, D. L., Ames
 Hanson, Elmo W., Des Moines
 Hanson, R. E., Forest City
 Hanson, W. L., Greene
 Harrison, C. C., Waukon

Hartnell B. T., Stacyville
 Haskins, A. B., Davenport
 Hastings, L. V., Kingsley
 Hawkins, I. L., Cascade
 Hawthorne, G. A., Clarinda
 Haxby, J. W., Clarinda
 Hayes, E. A., Lanesboro
 Hayes, W. L., Ollie
 Hazlet, S. K., Oelwein
 Heise, R. W., Emmetsburg
 Hell, Henry, New Liberty
 Helsel, F. V., Nelsonson
 Herberich, D. R., Lehigh
 Hester, P. H., Indianola
 Higbee, C. R., Milo
 Hines, F. A., Gravity
 Hink, Geo. G., Mapleton
 Hinken, A. H., Sheffield
 Hodam, W. F., Le Mars
 Hoffeins, H. J., Alta
 Hoffer, R. M., North English
 Hollenbeck, H. C., Rock Valley
 Hollingsworth, F. H., Council Bluffs
 Holtz, S. P., Greeley
 Horn, W. H., Cherokee
 Hornbeck, C. D., Deep River
 Horner, E. A., Wellman
 Howard, A. L., Clemons
 Huegerick, G. W., Breda
 Humphrey, E. D., Sidney
 Hunt, C. E., Mt. Pleasant
 Hunter, R. B., Cherokee
 Hurst, W. H., Sheldon
 Huston, S. S., Jefferson
 Hysell, L. G., (Unknown)
 Ingalls, J. J., Aurora
 Ingalls, W., Arlington
 Ingmand, J. E., Red Oak
 Ingold, E. H., Calmar
 Irvin, R. T., Coin
 Jackson, R. W., Kellerton
 Jarvis, King C., Ames
 Jensen, J. A., Marshalltown
 Jesperson, A. P., Spencer
 Joehnk, A. H., Charlotte
 Johnson, F. L., Albia
 Johnson, G. A., Pomeroy
 Johnson, H. C., Blanchard
 Johnson, K., Prairie City
 Johnston, E. E., Centerville
 Johnston, S. H., Carroll
 Jones, G. S., Rockwell City
 Jones, L. L., Sutherland
 Jongewaard, N. R., Sioux City
 Juhl, C. E., Osage
 Kaderabeck, A., Ft. Dodge
 Keefe, J. T., Farley
 Keith, C. L., New Market
 Kellogg, L. W., Hull
 Kelly, F. H., Goldfield
 Killips, H., Oskaloosa
 Kimpston, C. C., Strawberry Point
 Kincade, F. A., Seymour

Kirchgatter, L. A., Grafton
 Kippen, N. A., Independence
 Kirk, H. M., Griswold
 Kleaveland, I. J., Sioux Rapids
 Kochendorfer, F. C., Decorah
 Kraus, A. H., Marengo
 Kriens, A. H., Fontanelle
 Kriens, J. R., Casey
 Knoop, G. W., Le Mars
 Kuhl, A. D., Harlan
 Kuhl, A. H., Holstein
 Kulp, A. I., Adel
 Kupper, W. G., Blue Grass
 Laird, E. A., Ames
 Laird, Ralph J., Algona
 Langenfeld, C. A., Carroll
 Lants, R. A., Exira
 Langland, L. T., Ames
 Larimer, R. E., Exira
 Larson, F. W., Sioux City
 Lavender, J. B., Bagley
 Lazeur, W. F., Humeston
 Lazeur, W. R., Derby
 Leach, H. E., Jr., Avoca
 Lee, Frank M., Grinnell
 Lichty, J. M., Sioux City
 Likely, Chas. W., Ankeny
 Lindsey, S. G., Bonaparte
 List, R. T. S., Remsen
 Little, C. L., Lohrville
 Lloyd, John M., Williamsburg
 Lodge, H. G., Clarksville
 Loes, John, Dubuque
 Logan, C. C., Hillsboro
 Loller, R. A., Sidney
 Ludgate, F., Fort Dodge
 Lueth, J. A., Council Bluffs
 Lynch, J. H., Fonda
 McCabe, J. C., Fairfax
 McCabe, J. F., Williamsburg
 McCabe, T. J., Rock Rapids
 McCulloch, B. E., Eagle Grove
 McCulloch, H. L., New Sharon
 McDonald, C. F., Lorimor
 McElyea, Lew W., Ames
 McGrath, W. C., Elma
 McGrew, Fred T., Redding
 McIntire, H. A., Maquoketa
 McIntosh, H. A., Villisca
 McKenzie, James, Baxter
 McLain, W. H., Boone
 McLeod, J. H., Charles City
 McMichael, J. C., Earling
 McNay, L. N., Garden Grove
 McRoberts, H. L., Columbus Jct.
 MacDonald, J. R., Clarion
 Macklin, Wm. E., Coon Rapids
 Madden, G. H., Gravity
 Madsen, Wm. E., Hawarden
 Malcolm, P., Des Moines
 Mannion, M. C., Hazelton
 Marks, M. H., Lake Park
 Marner, L. W., Wellman

Martin, I. W., Sheldon
 Matyas, John, Charles City
 Maxfield, F. M., Tama
 Meder, W. J., McClelland
 Meier, R., Missouri Valley
 Menary, A. R., Cedar Rapids
 Michum, J. S., Kalona
 Miller, C. B., Manning
 Miller, C. E., Des Moines
 Miller, D. H., Council Bluffs
 Miller, F. C., Maquoketa
 Miller, G. G., Council Bluffs
 Miller, W. F., Storm Lake
 Miller, W. J., Des Moines
 Milleson, C. F., Newton
 Millgate, S. G., Brooklyn
 Mills, R. C., Redfield
 Mitchell, F. J., Charter Oak
 Moiller, W. A., Pocahontas
 Moermond, Wm., Everly
 Mohr, A. P., Larchwood
 Moles, C. L., Dike
 Moles, Irving, Central City
 Melgard, P. C., Eldora
 Montgomery, John, Anamosa
 Moon, S. B., Rock Rapids
 Moore, Ben A., Council Bluffs
 Moore, C. G., Toledo
 Moore, J. J., Lamoni
 Moore, R. G., Dunlap
 Moranville, I. W., Durant
 Morgan, C. M., Manchester
 Morris, H. B., Keota
 Morton, R. M., Churdan
 Moses, Geo., Ames
 Mosey, O. Q., Reinbeck
 Mosher, L. A., Independence
 More, R. A., Manson
 Murdock, J. W., Denison
 Nalley, R. L., Early
 Nelman, F. J., Marshalltown
 Nelson, A. E., Clarinda
 Nelson, N. L., Sioux Falls, S. D.
 Neuzil, P. V., Blairstown
 Newby, J. M., Mt. Hamill
 Newland, W. C., Neola
 Nicholson, J., Humboldt
 Nord, C. F., Onawa
 Norden, W. E., Avoca
 Nygren, H. J., Waverly
 O'Brien, W. S., Ryan
 Odgers, J. H., DeWitt
 O'Harra, Guy L., Tama
 Oldaker, C. B., Kalona
 Ollinch, F. J., Ames
 Olson, Carl, Sac City
 Ornduff, J. W., Ottumwa
 Osten, Alvin M., Ames
 Osterholtz, Wm. F., Shelby
 Oviatt, Z. A., Hubbard
 Packer, E. J., Lisbon
 Palmer, C. A., Sibley
 Parke, Chas., Moville
 Parker, Chas. S., Fayette
 Parker, F. F., Des Moines
 Parmer, H. W., Ida Grove
 Patterson, Geo. R., Minden
 Patterson, J., Hedrick
 Paulson, W. A., Correctionville
 Perdue, F. B., Russell
 Perdue, S. H., Walker
 Perry, G. R., Charter Oak
 Phelan, J. D., Colfax
 Phelps, C. D., Eldora
 Phillips, W. B., Montezuma
 Phillips, W. R., Montezuma
 Pirie, W. J., Springfield
 Place, F., Milford
 Pomeroy, M. E., Stratford
 Port, W. G., Oakland
 Porterfield, R. S., Holstein
 Potter, J. S., Iowa City
 Potter, L. D., Emmetsburg
 Quinn, A. H., Creston
 Quinn, A. H., Jr., Cedar Rapids
 Rader, E. B., Oxford
 Ragan, L. E., Mitchellville
 Readhead, Wm., Lenox
 Redman, W. R., Boxholm
 Reid, F. E., Washington
 Reinhard, T. J., Nevada
 Renshaw, C. S., Inwood
 Revell, I. C., Shenandoah
 Roach, F. L., Nashua
 Roberts, O. R., Lewis
 Robertson, J. E., Monona
 Robertson, W. T., Newton
 Robinson, J. L., Atlantic
 Robinson, V. J., Atlantic
 Rogers, H. C., Audubon
 Rolston, E. A., Albion
 Rosengrant, H. D., Grand River
 Rosengren, M. W., Ackley
 Rossing, T. M., Bode
 Rowe, O. W., Keokuk
 Rugger, F. E., Buffalo Center
 Sampson, H. J., Colesburg
 Sayers, E. E., Algona
 Scantlebury, E. C., Hampton
 Schalk, K. W., Iowa Falls
 Schalk, L. W., Alden
 Schantz, J. V. H., Fairfield
 Schmidt, A. C., Ceylon, Minn.
 Schmidt, L. A., West Point
 Schnelle, F. E., Gilman
 Schroeder, A. J., Davenport
 Schuegert, R., Keystone
 Schultz, O. N., Latimer
 Scofield, R. H., Boxholm
 Scott, Carl J., Knoxville
 Scott, G. A., Waterloo
 Scott, L. P., Waterloo
 Scroggost, R. H., Swea City
 Selander, H. A., Schleswig
 Severns, G. L.,
 Seward, F. O., Stewart

Sexton, G. J., Sumner
 Sharp, F. S., Ute
 Sharp, G. H., Laurel
 Sharp, W. E., Newton
 Sheahan, Sam., Williamsburg
 Sheumaker, H. D., Tingley
 Sheumaker, E. C., Mt. Ayr
 Shipley, L. U., Sheldon
 Shreve, R. M., Panora
 Siedell, H. A., Fort Dodge
 Simmons, G. P., Union
 Simonsen, R. E., Ames
 Simonsen, W. E., Cherokee
 Smith, A. L., Plainfield
 Smith, G. T., Reinbeck
 Smith, H. L., Panora
 Smith, L. E., Jefferson
 Smith, M. E., Elmore, Minn.
 South, R. L., Henderson
 Spencer, J. H., Clinton
 Spencer, J. A., Woodward
 Sperry, D. C., Fayette
 Spratt, D. C., Monroe
 Stalnaker, F. H., Edgewood
 Statter, G. P., Sioux City
 Steel, E. R., Grundy Center
 Steele, C. C., Treynor
 Steele, M. L., Harlan
 Stehouwer, J. W., Prairie City
 Stephenson, A. R., Olin
 Sterling, L. P., Webster City
 Stewart, C. A., Tripoli
 Stewart, C. E., Chariton
 Stewart, H. L., Chariton
 Stewart, H. H., Kanawha
 Stewart, Ray E., Riceville
 Stewart, W. C., West Union
 Stow, P. L., Applington
 Strader, H. N., New Hampton
 Strain, C. B., Dunkerton
 Stranberg, J. J., Belle Plaine
 Stratton, L. J., Odebolt
 Stribling, W. E., Des Moines
 Strinmoen, J. S., Highlandville
 Stromlund, E. V., Sloan
 Stubbs, R. L., Correctionville
 Studebaker, M. D., Madrid
 Swanson, Andrew, Newhall
 Swanson, A. C., Webster City
 Swanson, P. O., Stanton
 Taylor, F. W., Murray
 Taylor, L. J., Laurens
 Teague, B. B., Bode
 Teague, C. E., Thompson
 Templeton, E. C., Marlon
 Tesdell, R. H., Dayton
 Thomas, R. N., Klemme
 Thompson, H. O., Guttenburg
 Thompson, J. L., West Union
 Thompson, H. F., Gladbrook
 Thomsen, John, Armstrong
 Thomson, H. B., Danbury
 Tillie, John, Muscatine
 Tischauser, L. A., Garnaville
 Titus, C. E., Melbourne
 Todd, Geo. W., Fort Dodge
 Towneberg, R. L., Corydon
 Treman, A. J., Lake City
 Treman, H. B., Rockwell City
 Treman, P. E., Odebolt
 Troup, C. L., Norwalk
 Truax, E. R., Sac City
 Tyner, H. E., New London
 Vandewaa, H. J., Orange City
 Vanduloo, V. B., Collins
 Van Tuyl, G. E., Paullina
 Varnum, S. C., Leon
 Vernon, J. M., Des Moines
 Verploeg, W. C., Pella
 Wagner, F. E., Glidden
 Wagoner, T. J., Dumont
 Waite, H. C., Stanwood
 Waite, J. T., Fenton
 Wall, R. D., Des Moines
 Walsh, F. E., Ames
 Walsh, W. J., Creston
 Walters, E. D., Albert City
 Wang, C. C., Pekin, China
 Ward, B. F., Anthon
 Ward, B. F., Glenwood
 Weaver, D. S., Coon Rapids
 Weimer, F. D., Cumberland
 Weirs, Paul A., Allison
 Wertman, F. D., Carlisle
 Wessels, Geo., Creston
 Wesson, H. R., Scranton
 Wesson, J. S., Garner
 Wheaton, O. G., Lime Springs
 White, G. A., Salem
 White, L. A., Parkersburg
 Whitlow, Archie, Lakota
 Whittington, C. L., Shell Rock
 Wiedemeier, L. J., Carroll
 Wilder, R. W., Ellsworth
 Wiley, C. W., Farson
 Wiley, H. C., Nora Springs
 Wilhite, C. L., Manilla
 Willey, L. E., Sioux City
 Williams, C. D., Woodbine
 Williams, G. M., Boone
 Williams, J. E., Webster City
 Williams, J. J., Fort Dodge
 Wilson, C. B., Britt
 Wilson, C. P., Decorah
 Wilson, F. B., Guthrie Center
 Wilson, F. M., Mechanicsville
 Wilson, J. M., Winfield
 Wilson, W. W., Fairbank
 Winch, Geo. B., George
 Windfand, D. L., Danville
 Windrath, C. T., Humboldt
 Wing, C. L., Van Wert
 Winter, J. W., Norwalk
 Wolfe, R. F., Guthrie Center
 Wolff, E. C., Avoca
 Wood, A. L., Hampton
 Woods, Laird, Malcom
 Woodward, H. E., Whittemore
 Woetten, M. L., Burlington
 Wyland, F. E., Terrill
 Young, F. B., Wauke

STATE ASSISTANTS

Adair.....	P. W. Flickinger.....	Greenfield
Adams.....	B. Fisher.....	Prescott
Allamakee.....	J. E. Robertson.....	Monona
Appanoose.....	E. E. Johnstons.....	Centerville
Audubon.....	E. L. Fitch.....	Audubon
Benton.....	E. A. Buxton.....	Vinton
Blackhawk.....	G. A. Scott.....	Waterloo
Boone.....	G. M. Williams.....	Boone
Bremer.....	H. H. Nygren.....	Waverly
Buchanan.....	N. A. Kippen.....	Independence
Buena Vista.....	H. J. Hoffeins.....	Alta
Butler.....	W. L. Hanson.....	Greene
Calhoun.....	H. B. Treman.....	Rockwell City
Carroll.....	S. H. Johnston.....	Carroll
Cass.....	L. M. Getz.....	Atlantic
Cedar.....	James Dixon.....	Tipton
Cerro Gordo.....	E. M. Brady.....	Mason City
Cherokee.....	W. E. Simonson.....	Cherokee
Chickasaw.....	H. N. Strader.....	New Hampton
Clarke.....	R. W. Fuller.....	Murray
Clay.....	G. G. Baker.....	Spencer
Clayton.....	F. H. Stalnaker.....	Strawberry Point
Clinton.....	J. H. Spence.....	Clinton
Crawford.....	J. A. Brill.....	Dow City
Dallas.....	N. J. Deiling.....	Dallas Center
*Dallas.....	N. M. Repp.....	(Perry Inspector)
Davis.....	N. W. Conners.....	Bloomfield
Decatur.....	J. J. Moore.....	Lamoni
Delaware.....	C. M. Morgan.....	Manchester
*Des Moines.....	G. E. McIntyre.....	Mediapolis
*Dickinson.....	W. H. Marks.....	Lake Park
Dubuque.....	H. J. Haggerty.....	Dubuque
Emmet.....	John Thompson.....	Armstrong
Fayette.....	W. C. Stewart.....	West Union
Fayette.....	S. K. Hazlet.....	Oelwein
Floyd.....	J. H. McLeod.....	Charles City
Franklin.....	A. L. Wood.....	Hampton
Fremont.....		
Greene.....	F. L. Buck.....	Grand Junction
Grundy.....	E. R. Steele.....	Grundy Center
Guthrie.....	R. M. Shreve.....	Panora
Hamilton.....	A. C. Swanson.....	Webster City
Hancock.....	C. B. Wilson.....	Britt
Hardin.....	K. W. Schalk.....	Iowa Falls
Harrison.....	F. B. Copeland.....	Logan
Henry.....	C. E. Hunt.....	Mount Pleasant
*Howard.....	P. G. Button.....	Cresco
Humboldt.....	Jas. Nicholson.....	Humboldt
Humboldt.....	C. T. Windrath.....	Bradgate
*Ida.....	E. G. Piper.....	Ida Grove

*Iowa.....	S. H. Guinn.....	Marengo
Jackson.....	H. A. McIntire.....	Maquoketa
Jasper.....	W. E. Sharp.....	Newton
Jefferson.....	W. C. Smith.....	Fairfield
Johnson.....	F. H. P. Edwards.....	Iowa City
*Jones.....	W. W. Bronson.....	Anamosa
*Keokuk.....	J. M. Nelson.....	Sigourney
Kossuth.....	E. E. Sayers.....	Algona
Lee.....	O. W. Rowe.....	Keokuk
Linn.....	J. W. Griffith.....	Cedar Rapids
Louisa.....	H. L. McRoberts.....	Columbus Jet.
Lucas.....	C. E. Stewart.....	Chariton
Lyon.....	C. S. Renshaw.....	Inwood
*Madison.....	J. W. Bunker.....	Winterset
Mahaska.....	H. K. Phillips.....	Oskaloosa
Marion.....	C. J. Scott.....	Knoxville
Marshall.....	F. J. Nieman.....	Marshalltown
Mills.....	Tom Gidley.....	Malvern
Mitchell.....	C. E. Juhl.....	Osage
Monona.....	C. F. Nord.....	Onawa
Monroe.....	F. L. Johnson.....	Albia
Montgomery.....	J. E. Ingmand.....	Red Oak
Muscatine.....	John Tillie.....	Muscatine
O'Brien.....	L. U. Shipley.....	Sheldon
Osceola.....	H. N. Campbell.....	Ocheyedan
Page.....	J. W. Haxby.....	Clarinda
Palo Alto.....	L. D. Potter.....	Emmetsburg
Plymouth.....	W. F. Hodam.....	Le Mars
Pocahontas.....	J. H. Lynch.....	Fonda
Polk.....	J. M. Vernon.....	Des Moines
Pottawattamie.....	D. H. Miller.....	Council Bluffs
Poweshiek.....	Marsh Green.....	Grinnell
Ringgold.....	E. C. Sheumaker.....	Mount Ayr
Sac.....	Carl Olson.....	Sac City
Scott.....	A. J. Schroeder.....	Davenport
Shelby.....	F. E. Brazie.....	Harlan
Sioux.....	H. J. Van de Waa.....	Orange City
*Story.....	N. S. Nutty.....	Nevada
Tama.....	R. G. Moore.....	Toledo
Taylor.....	W. Readhead.....	Lenox
Union.....	A. H. Quinn.....	Creston
Van Buren.....	S. H. Bauman.....	Birmingham
Wapello.....	J. W. Ornduff.....	Ottumwa
Warren.....	J. E. Frank.....	Indianola
Washington.....	Tom Downing.....	Washington
*Wayne.....	R. F. Kelso.....	Corydon
Webster.....	A. Kaderabek.....	Fort Dodge
Winnebago.....	R. E. Hanson.....	Forest City
Winneshek.....	C. P. Wilson.....	Decorah
Woodbury.....	J. M. Lichty.....	Sioux City
Worth.....	G. A. Dodge.....	Northwood
Wright.....	J. R. McDonald.....	Clarion