

**FORTY-FOURTH ANNUAL
REPORT OF THE STATE BOARD
OF AGRICULTURE NOVEMBER
1, 1915 TO JUNE 30, 1916**

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VARIOUS

**FORTY-FOURTH ANNUAL
REPORT OF THE STATE BOARD
OF AGRICULTURE NOVEMBER
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STATE OF NEW JERSEY

Forty-fourth Annual Report

of the

New Jersey
State Board of Agriculture

NOVEMBER 1, 1915

to

JUNE 30, 1916

JANUARY, 1917.

TRENTON, N. J.
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Letter of Transmittal

To the Hon. Walter E. Edge, Governor of New Jersey:

SIR—In accordance with the act creating the State Board of Agriculture, adopted April 22, 1884, and with the provisions of the law approved June 15, 1895, I have the honor to present the final report of said Board for the eight months ending June 30, 1916.

FRANKLIN DYE,
Secretary.

Dated Trenton, January 20, 1917.

Prefatory Note

In preparing the final report of the State Board of Agriculture of New Jersey it was suggested that some reference be made to the history of the Board and its activities from its origin to its close. This has been done with as much detail as was possible with necessary brevity. What is given herewith will serve to some extent as an index to the many subjects treated and the persons called to address the Board throughout its history. A consideration of these with the discussions of the Board show an increasing interest of the farmers in their calling and the marked advance in their knowledge of scientific terms and the application of scientific knowledge to their business. They further show the value of a state organization properly conducted as a means of developing more and more each succeeding year this essential industry.

Statistics given from year to year in the secretary's reports reveal a steady gain in production and value of the various crops.

The State has never published the proceedings of the farmers' institutes. A brief statement concerning them is given each year in the report of the secretary. Various other matters of detail connected with the Board's annual activities are recorded in the reports, not possible to reproduce here.

FRANKLIN DYE.

Report of the New Jersey State Board of Agriculture

November 1, 1915, to June 30, 1916

Including the Reports of the State Entomologist, the Plant
Pathologist, the Tuberculosis Commission and
the Live Stock Commission

From November 1, 1915, to June 30, 1916, the activities of the Board of Agriculture under the direction of the Executive Committee, in addition to the regular daily office work, included the farmers' institutes, of which 54 regular and 11 special meetings were held from November 10, 1915, to March 21, 1916. All these, by arrangement with Prof. Alva Agee and Mr. Alexis L. Clark, were placed in charge of Mr. Clark. The entire arrangement, with respect to the speakers engaged and the conduct of the meetings, was his, and the good success attending this work is due to his efficient management.

On February 2, 3 and 4, 1916, the Forty-third Annual Meeting of the Board was held. For this meeting arrangements were made, as heretofore, by the secretary. The full report covering the proceedings of this meeting, with other matters of interest, is printed in the Forty-third Annual Report, and is being circulated through the farmers' organizations and other means among the farmers of the State, to libraries and to other States as requested.

Farmers' Week, held at New Brunswick, was placed in charge of Prof. Alva Agee. A popular and profitable series of sessions was held under his efficient management.

On May 17, 1916, a convention was held at the State House to elect members of the new State Board of Agriculture. The law placed the responsibility of calling this meeting, with some other details, on the secretary of the old Board. This duty was fulfilled. The convention met according to call. The new Board was constituted by the election of the following-named gentlemen:

LIST OF MEMBERS OF STATE BOARD OF AGRICULTURE ELECTED
MAY 17, 1916

Four years—Jos. S. Frelinghuysen, Somerville, N. J.; Theodore Brown, Swedesboro, N. J.

Three years—H. W. Jeffers, Plainsboro, N. J.; E. A. Mechling, Moorestown, N. J.

Two years—L. Willard Minch, Bridgeton, N. J.; Thos. E. Inslee, Newton, N. J.

One year—F. M. Curtis, Harrington Park, N. J.; E. A. Sexsmith, Belmar, R. F. D., N. J.

On June 12 the secretary issued a crop report for the State, outlining conditions then prevailing and the probable yields later.

For the period named, November 1, 1915, to June 30, 1916, the Executive Committee was responsible for the enlargement or reduction of the work of the state entomologist and the state plant pathologist, by consultation and mutual agreement with them as the demands seemed to require, as in preceding years.

During the time named above, the secretary of the Board continued to act as secretary of the Tuberculosis Commission. A full report of the year's work of the Commission down to October 31, 1915, is found in the Forty-third Annual Report of the Board, pages 71-73, which includes a full report of the foot and mouth disease outbreak and its final suppression. The report of the Commission from November 1, 1915, to June 30, 1916, follows this report, and a brief statement covering the organization of the first and subsequent commissions is found at the close of this report.

The following tabulated statement of the appropriations to the several divisions, measurably under the supervision of the Executive Committee, with the amounts expended therefrom and the balance in each remaining on July 1, 1916, indicates to some extent the work committed to the Executive Committee of the old Board and in all of which the members of the Board and the farmers of the State, had a personal interest.

The expenditures of the Tuberculosis Commission also are given.

Report of the Tuberculosis Commission, November 1, 1916, to June 30, 1916

The demands made upon the Tuberculosis Commission indicate most emphatically the necessity for state supervision of the importation of dairy animals from other states into New Jersey, as well as the requirements of dairy herds already within the State.

Although the demands for inspection of incoming cattle are largely compulsory, as required by the law, the need is none the less apparent, for only by constant watchfulness and rigid inspection can we protect our state from invasion of tubercular stock by unscrupulous or dishonest dealers. The necessity for supervision and watchfulness against the introduction and spread of animal diseases is not restricted to dairy animals and tuberculosis. The reorganization of the Board of Agriculture under the law passed at the last session of the Legislature, Chapter 268, Laws of 1916, devolves upon the bureau of animal industry the safeguarding of all domestic animals.

The experience of the late Tuberculosis Commission with foot and mouth disease is well-known. A full report of the outbreak and its final extermination is published in the report of the State Board of Agriculture for 1915-16, pages 72-73. The entire State of New Jersey was declared free of that disease by the Federal Government on March 31, 1916, by United States Bureau of Animal Industry order No. 243, and quarantine was accordingly removed. There were 49 herds destroyed on account of foot and mouth disease in 1914-15. During this year the premises formerly occupied by these herds, after having been thoroughly disinfected, have been tested out by placing cattle there in quarantine for several months. All proved negative and were restocked, excepting four which were declared insanitary, and the restocking privileges were not granted.

Owing to the strict quarantine on the State and the United States, the number of cattle imported into New Jersey was less than half of the usual number, as cattle were allowed to be imported only in the latter part of the fiscal year.

The Commission is called to test cattle only where tuberculosis is known to exist, and the percentage of reactors in such cases is

greater, we believe, than if a general test of a given number of herds irrespective of suspicion were made. The percentage of reactors in the former cases is, therefore, not a correct one for all cattle.

There are a number of herds in Burlington County, also in Somerset, Morris and Sussex Counties, which are tested annually and some semi-annually, often without a single reactor, and then only when new animals are added.

Beginning with November 1, 1915, and extending to June 30, 1916, the activities of the four district inspectors under the supervision of the chief inspector are stated as follows:

REPORT OF CHAS. M'NABB, CHIEF INSPECTOR TO COMMISSION ON TUBERCULOSIS
IN ANIMALS

November 1, 1915-June 30, 1916

<i>District.</i>	<i>No. of Imported Cattle Tested BEFORE Entering State.</i>	<i>No. of Cattle Imported and Tested AFTER Entering State.</i>
1st—Dr. William H. Lowe, Inspector,	3,731	1,759
2d—Dr. W. Gray, Inspector,	304	457
3d—H. B. Richman, Inspector,	44	887
5th—Dr. H. H. Blair, Inspector,	530	781
Total,	4,609	3,884

<i>District.</i>	<i>No. of Imported Reacting Cattle Slaughtered.</i>	<i>Appraisements of Native Cattle Slaughtered.</i>
1st—Dr. William H. Lowe, Inspector,	59	57 Head, \$2,597 00
2d—Dr. W. Gray, Inspector,	44	154 " 6,921 00
3d—H. B. Richman, Inspector,	22	67 " 2,732 00
5th—Dr. H. H. Bair, Inspector,	57	198 " 8,910 00
Total,	182	476 Head, \$21,160 00

<i>District.</i>	<i>Amount Received from Meat and Hides Sold Slaughtered Under Inspection.</i>	<i>Amount Received from Shippers of Imported Cattle For Testing.</i>
1st—Dr. William H. Lowe, Inspector,	\$235 00	\$1,402 25
2d—Dr. W. Gray, Inspector,	1,191 53	276 00
3d—H. B. Richman, Inspector,	717 18	650 00
5th—Dr. H. H. Bair, Inspector,	2,833 97	465 00
Total,	\$4,997 68	\$2,793 25