

Weather Service.

1. Weather station created.
2. Board of directors, how constituted.
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An act to establish a weather service in New Jersey, and to provide for the appointment of a board of directors and president thereof, and appropriating money to pay the actual expenses of the same.

P. L. 1890, p. 481.

Approved June 19, 1890.

Weather station created.

1. That the establishment of a weather service being necessary to secure a complete history of the weather of New Jersey, in order to furnish trustworthy material for study of its climate, to acquaint the people of the state with the physical conditions of every locality, based upon reliable climatic data, and during the growing-season to furnish reliable information as to the actual condition of the staple crops, thereby greatly benefiting the agricultural, commercial and municipal interests, there is hereby created at the agricultural experiment station, New Brunswick, a central weather station.

Board of directors, how constituted.

2. That the director, the senior chemist, the professor of botany and horticulture, and a fourth person, to be appointed by the governor, shall constitute a board of directors and be duly qualified as like officers of the state.

Station in each county to be established.

3. That the director of the state experiment station is hereby appointed president of the board, who, by and with the advice of the directors, shall establish, if practicable, one volunteer weather station in each county of the state, and furnish the same with a set of standard instruments, instrument shelter, rain and snow gauge, and that said director shall supervise the same; he shall receive reports therefrom and reduce the same to tabular form, and report the same monthly for publication as the New Jersey weather report, and shall annually make a report to the governor, which shall contain a detailed statement of all expenditures made during the year and a summary of the observations taken at the various stations.

Reports made.

Reports to be printed.

4. That the president of the board shall print, under contract, copies of each monthly report, and such weekly reports during the growing-season as may be deemed advisable, the same to be distributed by the board.

Appropriation for expenses.

5. That there is hereby appropriated for the establishment of said weather stations the sum of one thousand dollars, or so much thereof as may be necessary for the purpose of meeting the actual expenses of carrying out the provisions of this act; no part of said sum shall be paid for salaries of any officer or for office rent.

Salaries and rent not to be paid.

Expenditures to be made with approval of the board.

6. That no money shall be expended except under the order of the president-director, by and with the approval of the board.

Supplement.

Approved April 7, 1892.

P. L. 1892, p. 405.

Preamble.

WHEREAS, The senate and general assembly of the state of New Jersey did, by an act of the legislature, entitled "An act to establish a weather service in New Jersey, and to provide for the appointment of a board of directors and president thereof, and appropriating money to pay the actual expenses of the same," approved June nineteenth, anno domini one thousand eight hundred and ninety; *whereas*, a state weather service was duly established under the provisions of said act, with a central station at the agricultural experiment station at New Brunswick, for the purpose of securing trustworthy material for the study of the climate of New Jersey, to acquaint the people of the state with the physical condition of every locality

based upon reliable climatic data, and to furnish during the growing-season reliable information by weekly and monthly reports as to the actual condition of the staple crops ; *whereas*, forty-eight meteorological and seventy-five crop-weather stations have been established, the observations and reports of which have greatly benefited the agricultural, commercial and municipal interests of the state of New Jersey ; *whereas*, the said weekly and monthly reports have been distributed throughout the state, and are considered of great practical value to the agricultural industry and other pursuits ; *and whereas*, the state weather service is unable to meet the pressing and constantly-increasing demand for said reports by reason of the exhaustion of the state appropriation :

7. SEC. 1. That the sum of one thousand dollars is hereby appropriated annually for the continuance of said weather stations, and the preparation, printing and distribution of said reports under the supervision of the board of directors, to be expended as follows :

Appropriations
for reports and
expenses.

For printing five hundred copies of each monthly meteorological report, the sum of two hundred and fifty dollars ;

For printing fifteen hundred copies of the weekly crop reports from May first to September tenth, three hundred dollars ;

For clerical labor preparing said weekly reports from May first to September tenth, two hundred and fifty dollars ;

And for actual expenses incurred for renewing unserviceable instruments and visiting local stations, the sum of two hundred dollars.

Weights and Measures.

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| 1. Standard of weights and measures established. | 7. Tape to be kept in office of state geologist. |
| 2. Weights of standard bushels of barley, &c. | 8. Expenses, how paid. |
| 3. Penalty for selling or vending wares, &c., of less weight or measure than that established. | 9. Repealer. |
| 4. Persons may compare weights and measures with those deposited with county clerks. | 10. What ton of coal shall consist of. |
| 5. Repealer. | 11. Governing body shall appoint weigher. |
| 6. State geologist to procure surveyor's tape to be standard of measurement. | 12. Weight of a bushel of apples. |
| | 13. Penalty for reporting false or untrue weight. |
| | 14. Owner of scales, &c., to report weight and keep record. |
| | 15. Gross and net ton defined. |

An act to establish a uniform standard of weights and measures in this state.

Passed March 17, 1881. P. L. 1881, p. 123.

1. That the standard of weights and measures of the United States, now deposited in the office of the secretary of state, at Trenton, and in the offices of the clerks of the several counties of this state, shall be the standard of weights and measures of this state, and of the several counties thereof ; and the said secretary of state and county clerks, and their successors in office, are hereby required to preserve and care for the same, and to keep them in proper condition for comparison with those used by the inhabitants of this state, when required by the provisions of this act.

Standard of
weights and
measures
established.

2. That in this state the bushel of barley shall consist of forty-eight pounds ; of buckwheat, fifty pounds ; of clover-seed, sixty-four pounds ; of flax-seed, fifty-five pounds ; of Indian corn, fifty-six pounds ; of amber sugarcane-seed, fifty-seven pounds ; of oats, thirty pounds ; of rye, fifty-six pounds ; of wheat, sixty pounds ; of Irish potatoes, sixty pounds ; of sweet potatoes, fifty-four pounds ; of beans, sixty pounds ; of peas, sixty pounds ; of onions, fifty-seven pounds ; of dried peaches, thirty-three pounds ; of dried apples, twenty-five pounds, and of all other articles usually sold by the bushel and not weighed, the capacity of the bushel shall be two thousand one hundred and fifty and forty-two hundredths cubic inches ; of liquids, the standard gallon shall contain two hundred and thirty-one cubic inches ; the avoirdupois pound, of seven thousand grains troy, shall be the standard for all commodities usually sold by weight, except gold, silver, jewels and apothecaries' drugs, of which five thousand seven hundred and

Weight of
standard bushels
of barley, &c.

Capacity of
bushel, &c.