

taken to the supreme court in the same manner as upon the trial of issues of fact.

SECTION 5. This act shall take effect and be in force from and after its passage and publication.

Approved March 19, 1873.

---

## CHAPTER 292.

[Published March 27, 1873.]

AN ACT to provide for a complete geological survey of Wisconsin, and to repeal chapter one hundred and thirty-seven of the general laws of 1870, entitled "an act to provide for the survey of the lead district, making maps and collecting statistics from the same," and chapter one hundred and thirty-six of the general laws of 1872, amendatory thereof.

*The people of the state of Wisconsin, represented in senate and assembly, do enact as follows:*

Shall appoint chief and assistant geologists.

Their duties.

Objects of the survey—examination of geological structure.

SECTION 1. The governor is hereby required to appoint, by and with the advice and consent of the senate, a chief geologist, who shall be a person of known integrity, thorough, practical and scientific knowledge of the sciences of geology and minerology, and, upon recommendation of said chief geologist, the governor shall appoint one or more assistants, not exceeding in number four, one of whom shall be a skillful, analytical chemist and assayer; the said chief geologist and his assistants to constitute a geological corps, whose duty it shall be to make a thorough and complete geological, mineralogical and agricultural survey of the state, and topographical surveys of such portions as may be deemed by the corps to need them for the thorough completion of the work: *provided*, that if the appointment of chief geologist be made during the recess of the senate, such appointment may be confirmed at the next session thereof.

SECTION 2. The survey shall have for its objects:  
1st. An examination of the geological structure of the state, including the dip, number, magnitude, order and relative position of the various strata; their richness in minerals, metallic ores, clays, mineral waters, fertilizers, building stones, and other useful materials, the value of such materials for economic purposes, and their accessibility for mining and manufacture.

2d. Accurate chemical analysis and assays of the various ores, clays, peats, marls, building stones, etc., discovered by the state. Chemical analysis.

3d. A careful topographical survey of the lead region, for the purpose of ascertaining as far as possible, the amount of denudation, and the exact position of the mining ground at each locality; also such other topographical surveys as shall be deemed necessary by the corps, also careful barometrical observations on the relative elevation and depression of various parts of the state. Topographical survey of lead regions.

4th. An examination of soils and subsoils, and observations upon the animal and vegetable productions of the state, with reference to its agricultural interests. Examination of soils.

SECTION 3. It shall be the duty of said geological corps, in the progress of the examinations hereby directed, to collect such specimens of rocks, ores, fossils, minerals, etc., as may be necessary to exemplify the geology of the state; sets of these specimens shall be deposited with the Wisconsin Academy of Sciences, Arts and Letters, and the State University, and with each one of the incorporated colleges in the state, and with each of the normal schools: *provided*, application be made to the chief geologist before the commencement of the field work. Shall collect specimens, and where deposit them.

SECTION 4. It shall be the duty of said chief geologist and his assistants, on or before the first Monday in January of each year during the continuation of the survey, to make to the governor a report of the progress and result of the survey, accompanied by such maps, profiles and drawings as may be necessary to exemplify the same, which reports the governor shall lay before the legislature. Shall make annual report.

SECTION 5. As soon as the progress of the survey shall permit, the chief geologist shall begin, and on completion of the survey, shall complete a final report, including the results of the entire survey, accompanied by such drawings and topographical maps as may be necessary to illustrate the same, and by a single geological map showing by colors and other appropriate means, the stratification of the rocks, the localities of the beds of mineral deposits, and the character and extent of the different formations. Shall make complete final report.

SECTION 6. To carry into effect the provisions of this act, the sum of thirteen thousand dollars for each year, until the completion of said survey, is hereby appropriated to be drawn from the treasury on warrants of the governor, as needed; which shall be in full for Appropriation.

The salaries. all expenditures except printing of reports. The salary of the chief geologist, (not exceeding three thousand dollars), and the salaries of the assistant geologists shall be fixed by the governor, and shall be for service actually performed, and time actually spent in the work. The balance of the sum hereinbefore appropriated shall be used in such manner as shall best promote the purposes of this act.

When and where survey to commence.

SECTION 7. The survey shall commence by the first of June next, or as soon thereafter as practicable, beginning with the counties of Ashland and Douglas, and the entire survey shall be completed within four years from and after its commencement.

Repealed.

SECTION 8. Chapter one hundred and thirty-seven of the general laws of 1870, entitled an act to provide for the survey of the lead district, making maps and collecting statistics and specimens from the same, and chapter one hundred and thirty-six of the general laws of 1872, amendatory thereof, are hereby repealed.

SECTION 9. This act shall take effect and be in force from and after its passage.

Approved March 19, 1873.

## CHAPTER 293.

[Published March 27, 1873.]

AN ACT regulating the salaries of the judges of the supreme court.

*The people of the state of Wisconsin, represented in senate and assembly, do enact as follows :*

Salaries of justices of supreme court.

SECTION 1. The salary of the chief justice and of each of the associate justices of the supreme court of the state of Wisconsin, hereafter elected or appointed, is hereby established at the sum of five thousand dollars per annum; and there is hereby annually appropriated, to be paid out of the state treasury in the manner now provided by law, the sums above named.

SECTION 2. All acts or parts of acts contravening this act are hereby repealed.

SECTION 3. This act shall take effect and be in force from and after its passage and publication.

Approved March 19, 1873.