

CHAPTER XXX.

February 29,
1872.

An Act to provide for a Geological and Natural History Survey of the State and entrust the same to the University of Minnesota :

- SECTION 1. Geological and natural history survey authorized to be made by the University of Minnesota.
2. Object of the geological survey.
 3. Object of the natural history survey.
 4. Manner of conducting the surveys.
 5. Provides for meteorological statistics, and a map of the state.
 6. Natural history and geological specimens to be prepared, and museum to be established at the university.
 7. A geological map of the state authorized to be made.
 8. Annual report of the board of regents to be made to the governor.
 9. Annual appropriation of one thousand dollars for expenses.

Be it enacted by the Legislature of the State of Minnesota :

Geological and
natural history
survey author-
ized.

SECTION 1. It shall be the duty of the board of regents of the university of Minnesota to cause to be begun as soon as may be practicable, and to carry on a thorough geological and natural history survey of the state.

Geological sur-
vey.

SEC. 2. The geological survey shall be carried on with a view to a complete account of the mineral kingdom as represented in the state, including the number, order, dip, and magnitude of the several geological strata, their richness in ores, corals, clays, peats, salines and mineral waters, marls, cements, building stones and other useful materials, the value of said substances for economical purposes and their accessibility; also an accurate chemical analysis of the various rocks, soils, ores, clay, peats, marls and other mineral substances, of which complete and exact records shall be made.

Natural history
survey.

SEC. 3. The natural history survey shall include, first, an examination of the vegetable productions of the state, embracing all trees, shrubs, herbs and grasses native or naturalized in the state; second, a complete and scientific account of the animal kingdom as properly represented in the state, including all mammalia, fishes, reptiles, birds and insects.

SEC. 4. The said surveys and examinations shall be made in the manner and order following: First, the geological survey proper, together with the necessary and implied mineralogical investigations, all of which shall be undertaken so soon as may be practicable, and be carried forward with such expedition as may be consistent with economy and thoroughness; second, the botanical examinations; third, zoological investigations, provided, however, that whenever the said board of regents may find it most economical to prosecute different portions of the surveys in conjunction, or that the public interest demands it, they may, in their discretion, depart from the above prescribed order. And in the employment of assistants in the said surveys the said board of regents shall at all times give the preference to the students and graduates of the University of Minnesota, provided the same be well qualified for the duties.

Order of survey
and examina-
tion.

SEC. 5. The said board of regents shall also cause to be collected and tabulated such meteorological statistics as may be needed to account for the varieties of climate in the different parts of the state; also to cause to be ascertained [by] barometrical observation or other appropriate means the relation, elevations and depressions of the different parts of the state; and also on or before the completion of the said surveys, to cause to be compiled from such actual surveys and measurements as may be necessary, an accurate map of the state, which map when approved by the Governor shall be the official map of the state.

Meteorological
statistics.

SEC. 6. It shall be the duty of the said board of regents to cause proper specimens, skillfully prepared, secured and labelled of all rocks, soils, ores, coals, fossils, cements, building stones, plants, woods, skins and skeletons of animals, birds, insects and fishes, and other mineral, vegetable and animal substances and organisms discovered or examined in the course of said surveys, to be preserved for public inspection free of cost, in the University of Minnesota, in rooms convenient of access and properly warmed, lighted, ventilated and furnished, and in charge of a proper scientific curator; and they shall also, whenever the same may be practicable, cause duplicates in reasonable numbers and quantities of the above named specimens, to be collected and preserved for the purpose of exchanges with other state universities and scientific institutions, of which latter the Smithsonian Institute at Washington shall have the preference.

Specimens to
be prepared.

SEC. 7. The said board of regents shall cause a geological map of the state to be made, as soon as may be prac-

Geological map

licable, upon which, by colors and other appropriate means and devices, the various geological formations shall be represented.

Annual report
to the governor

SEC. 8. It shall be the duty of the said board of regents, through their president to make, on or before the second Tuesday in December in each and every year, a report showing the progress of the said surveys, accompanied by such maps, drawing, and specifications as may be necessary and proper to exemplify the same to the governor, who shall lay the same before the legislature; and the said board of regents upon the completion of any separate portion of the said surveys, to cause to be prepared a memoir or final report, which shall embody in a convenient manner all useful and important information accumulated in the course of the investigation of the particular department or portion, which report or memoir shall likewise be communicated through the governor to the legislature.

Annual appro-
priation \$1,000.

SEC. 9. To carry out the provisions of this act the sum of one thousand dollars per annum is hereby appropriated, to be drawn and expended by the [said] board of regents of the University of Minnesota.

SEC. 10. This act shall take effect and be in force from and after its approval.

Approved March 1, 1872.