

CHAPTER 83.

GEOLOGICAL SURVEY.

AN ACT providing for the Geological Survey of the State.

SECTION 1. *Be it enacted by the General Assembly of the* Governor to
State of Iowa, That the Governor may appoint, by and with ^{appoint State}
 the advice and consent of the Senate, a State Geologist, who ^{Geologist.}
 shall be a person of competent scientific and practical know-
 ledge of the science of geology and mineralogy, who shall
 hold his office for the term of two years, unless sooner re-^{Term.}
 moved by the Governor.

§ 2. The said State Geologist shall, by and with the con-^{Assistant.}
 sent of the Governor, appoint one suitable person to assist
 him in the discharge of his duties, who shall be a skillful
 analytical and experimental chemist.

§ 3. It shall be the duty of said geologist and his assist-^{State survey.}
 ant, as soon as may be practicable after the appointment,
 to commence and carry on, with as much expedition as pos-
 sible, a thorough geological and mineralogical survey of the
 State, as also of the character and quality of the soil for ^{Soil.}
 agricultural purposes.

§ 4. It shall be the duty of the assistant to make full ^{Assays.}
 and complete examinations and assays of all rocks, ores,
 soils or other substances which may be submitted to him by
 the State Geologist for that purpose, and to furnish him with
 a detailed and complete account of results so obtained.

§ 5. It shall be the duty of the State Geologist, on or be-^{Report.}
 fore the first Monday of December in each year during the
 time not necessarily occupied by said survey, to make report of
 said survey and the progress thereof, accompanied with such
 maps, drawings and specifications as may be necessary and ^{Maps and}
 proper to exemplify the same to the Governor, who shall lay ^{drawings.}
 a copy of the reports before the General Assembly.

§ 6. It shall also be the duty of such Geologist to for-^{Specimens.}
 ward to the Governor, from time to time, during the progress
 of said survey, such specimens of the rocks, ores, coals, soils

- fossils, and other mineral substances discovered and examined, properly labeled, as may be proper and necessary to form a complete cabinet of collections of specimens of geology and mineralogy of the State. And the Governor shall cause the same to be preserved for the benefit of the State
- Cabinet.** for public inspection. Said geologist shall cause to be represented on the map of the State, by colors and other appropriate means, the various areas occupied by the different geological formations in the State, and mark thereon the localities of the respective beds of deposits of the various mineral substances discovered, and the character of the soil; and on the completion of the survey, to compile a memoir of the geology and mineralogy of the State, comprising complete accounts of the leading subjects and discoveries which have been embraced in the survey.
- Public inspection.**
- Geological map.**
- Memoir.**
- Appropriation.** § 7. For the purpose of carrying into effect the provisions of this act, the sum of two thousand five hundred dollars is hereby annually appropriated for the said term of two years, to be expended under the direction of the Governor. The salaries of the geologist and assistant shall be fixed by the census board of the State. The salaries of the geologist and assistant, however, shall not commence until they have respectively entered upon the discharge of their duties. And upon the completion of said survey and the duties connected therewith, the same shall cease and determine.
- Salaries.**
- Cease.**
- Take effect.** § 8. This Act shall take effect and be in force from and after its publication in the Iowa Republican and Iowa Capital Reporter.

APPROVED January 23rd, 1855.

I certify that the above Act was published in the Iowa Republican and Iowa Capital Reporter on the 31st January, 1855.

GEO. W. McCLEARY, Secretary of State.