

(JUNE, 1890.)

ELIZABETH THOMPSON SCIENCE FUND.

This fund, which has been established by Mrs. Elizabeth Thompson, of Stamford, Connecticut, "for the advancement and prosecution of scientific research in its broadest sense," now amounts to \$26,000. As accumulated income will be available December next, the trustees desire to receive applications for appropriations in aid of scientific work. This endowment is not for the benefit of any one department of science, but it is the intention of the trustees to give the preference to those investigations *which cannot otherwise be provided for*, which have for their object the advancement of human knowledge or the benefit of mankind in general, rather than to researches directed to the solution of questions of merely local importance.

Applications for assistance from this fund, in order to receive consideration, *must be accompanied by full information*, especially in regard to the following points: —

1. Precise amount required. Applicants are reminded that one dollar (\$1.00 or \$1) is approximately equivalent to four English shillings, four German marks, five French francs, or five Italian lire.

2. Exact nature of the investigation proposed.
3. Conditions under which the research is to be prosecuted.
4. Manner in which the appropriation asked for is to be expended.

All applications should reach before December, 1890, the secretary of the Board of Trustees, Dr. C. S. Minot, Harvard Medical School, Boston, Mass., U. S. A. It is intended to make new grants at the end of 1890.

* * The trustees are disinclined, for the present, to make any grant exceeding three hundred dollars (\$300); decided preference will be given to applications for smaller amounts.* *

A list of the grants hitherto made is given on the inside pages.

(Signed)

HENRY P. BOWDITCH, *President.*

WILLIAM MINOT, JR., *Treasurer.*

EDWARD C. PICKERING.

FRANCIS A. WALKER.

CHARLES-SEDGWICK MINOT, *Secretary.*

ELIZABETH THOMPSON SCIENCE FUND.

LIST OF GRANTS MADE.

Recipients of Grants are requested to notify the Secretary of any errors or omissions of this Record.

1. \$200, to the New England Meteorological Society, for the investigation of cyclonic movements in New England.
2. \$150, to Samuel Rideal, Esq., of University College, London, England for investigations on the absorption of heat by odorous gases.
3. \$75, to H. M. Howe, Esq., of Boston, Mass., for the investigation of fusible slags of copper and lead smelting.
4. \$500, to Prof. J. Rosenthal, of Erlangen, Germany, for investigations on animal heat in health and disease.
5. \$50, to Joseph Jastrow, Esq., of the Johns Hopkins University, Baltimore, Md., for investigations on the laws of psycho-physics.
6. \$200, to the Natural History Society of Montreal, for the investigation of underground temperatures.
7. \$210, to Messrs. T. Elster and H. Geitel, of Wolfenbüttel, Germany, for researches on the electrization of gases by glowing bodies.
8. \$500, to Professor E. D. Cope, of Philadelphia, Penn., to assist in the preparation of his monograph on American fossil vertebrates.
9. (Withdrawn.)
10. \$125, to Edw. E. Prince, Esq., of St. Andrews, Scotland, for researches on the development and morphology of the limbs of Teleosts.
11. \$250, to Herbert Tomlinson, Esq., of University College, England, for researches on the effects of stress and strain on the physical properties of matter.
12. \$200, to Prof. Luigi Palmieri, of Naples, Italy, for the construction of an apparatus to be used in researches on atmospheric electricity.
13. \$200, to Wm. H. Edwards, Esq., of Coalburg, W. Va., to assist the publication of his work on the butterflies of North America.

RESULTS PUBLISHED.

American Meteorological Journal for 1887, and May, 1888.

Sitzungsber. K. Akad. Wiss. 1888, 1309-1319; 1889, 245-254. Arch. Anat. u. Physiol. Suppl. 1888, 1-53.

American Journal Psychology, 1890, III., 43-58.

Sitzungsber. K. Akad. Wiss. Wien. XCVII., Abth. II., 1175-1264, 1889.

Philos. Magazine, Jan., 1890, 77-83.

Butterflies of North America, 3d Series, Part V.

RESULTS PUBLISHED.

14. \$150, to the New England Meteorological Society, for the investigation of cyclonic phenomena in New England.
15. \$25, to Prof. A. F. Marion, for researches on the fauna of brackish waters.
16. \$300, to Professor Carl Ludwig, for researches on muscular contraction, to be carried on under his direction by Dr. Paul Starke.
17. \$200, to Dr. Paul C. Freer, for the investigation of the chemical constitution of graphitic acid.
18. \$300, to Dr. G. Müller, for experiments on the resorption of light by the earth's atmosphere.
19. \$300, to Professor Gerhard Krüss, for the investigation of the elementary constitution of erbium and didymium.
20. \$50, to Dr. F. L. Hoorweg, for the investigation of the manner and velocity with which magnetism is propagated along an iron bar.
21. \$150, to Mr. W. H. Edwards, to assist the publication of his work on North American butterflies.
22. \$250, to Dr. Ernst Hartwig, for researches on the physical libration of the moon (see Grant No. 27).
23. \$200, to Prof. Charles Julin, for researches on the morphology of Ascidians.
24. \$250, to Prof. M. Nencki, for researches on the decomposition of albumenoids by microbes.
25. \$200, to Prof. Carl Frommann, for researches on the minute organization of cells.
26. \$300, to Edward Atkinson, Esq., for experiments on cooking to be carried on under the direction of Mrs. Ellen H. Richards.
27. \$250, to Dr. Ernst Hartwig, to continue the work of Grant No. 22.
28. \$200, to Edward S. Holden, Esq., for researches on stellar spectroscopy to be carried on at the Lick Observatory.
29. \$150, to Prof. J. Kollmann, for investigations on the embryology of monkeys.

Butterflies of North America,
3d Series, Part VIII.

