

from the southern section of the province may be admitted to the examination by giving proper notice to the President of the University.

Graduates of the N. B. University will henceforth be admitted to the Junior Class at Harvard without examination, while graduates with honors may be admitted to higher standing after giving satisfactory evidence of work accomplished either while at college or after leaving it.

QUESTION DEPARTMENT.

The population of a town was 7,600 in 1850; in 1870 it was found to be 9,196. If the increase per cent during the first decade was the same as during the last, what was this per cent?

In the first decade the increase per cent is on the population of 1850; in the second decade the increase per cent is upon the original population plus the increase during the first decade; therefore the principle is the same as in compound interest.

In this example

$$\begin{aligned} A &= P(1+r)^n & A &= 9196 \\ A & & P &= 7600 \\ \therefore \frac{A}{P} &= (1+r)^n & n &= 2 \quad (\text{decades}) \\ \therefore \sqrt[n]{\frac{A}{P}} &= 1+r & \therefore \sqrt[2]{\frac{9196}{7600}} &= 1+r \end{aligned}$$

$$\text{Extract root } \sqrt[2]{1.21} = 1+r$$

$$\therefore 1.1 = 1+r$$

$$\text{Transpose } r = 1.1 - 1$$

$$r = .1$$

$$r = 10\%$$

LITERARY NOTES.

D. C. Heath & Co. will shortly issue a manual on the "Reproduction of Geographical Forms," by Jacques W. Redway, author of the "Teacher's Manual of Geography." It is designed for teachers and students who wish to learn the details of sand and clay modelling as applied to geographical forms, and the projecting, drawing, and interpretation of maps. The manual will be illustrated with the various projections used in map-drawing, including a number of very easily constructed ones that may be used by younger pupils.

BOOK REVIEWS.

HANDBOOK OF NEWFOUNDLAND. This handbook of 123 pages is published by authority of the Surveyor-General of Newfoundland. That the book is an accurate, full and scholarly presentation of the features of this interesting land may be inferred from the fact that its author is the Rev. Moses Harvey, F.R.G.S.

ANNUAL REPORT OF THE NEWFOUNDLAND FISHERIES COMMISSION FOR 1889. This report is of more than ephemeral interest, as it contains much well digested information on the rapidly developing science of fish culture. It will be especially valuable to the Maritime Provinces of Canada.

The report bears strong evidence of the masterly genius of the Secretary of the Commission, Moses Harvey, F.R.G.S.

TWO GREAT TEACHERS. C. W. Bardeen, publisher, Syracuse, N. Y. Mr. Bardeen has done good service to education in compiling in a neat and convenient volume two admirable memoirs of great teachers. Johnson's *Memoir of Roger Ascham* and selections from Stanley's life of Thomas Arnold, of Rugby. The book will be a valuable addition to every teacher's library.

MISSA VON BARNHEIM, a comedy in five acts, by Lessing; with introduction and notes by Sylvester Primer, Ph. D., Providence, R. I. Publishers, D. C. Heath & Co., Boston. This, one of the best of Lessing's plays, makes a very desirable text book for German students. It is not only a classical work of high merit but is very suitable to be placed in the hands of the young. It is another addition to D. C. Heath & Co.'s excellent and beautifully printed "Modern Language Series."

THE COPAL, containing musical selections and a programme for Arbor Day, has just been published by Ginn & Co., Boston. Price two cents.

PLANT ORGANIZATION, by R. Halstead Ward, A.M., Professor of Botany in the Rensselaer Polytechnic Institute, Publishers, Ginn & Co., Boston. This is a presentation of an outline of work for beginners in plant study. Teachers or private students will find it very helpful as a guide to the thorough and thoughtful study of a few typical plants.

SHAKESPEARE'S MACBETH, with an introduction and notes by K. Deighton, Fellow of the Universities of Calcutta and Allahabad. London, MacMillan & Co., and New York. This is an excellent edition for the student, the type clear and the notes suggestive. The introduction deals very clearly with the question of doubtful authorship of some passages in the play; and the summing up on these points, and the vivid character sketches of Macbeth and Lady Macbeth, are excellent.

RECEIVED.

HEROIC BALLADS. Ginn & Co., Publishers, Boston.

PRACTICAL LESSONS IN GERMAN CONVERSATION. D. C. Heath & Co., Boston.

From D. C. Heath & Co., Goethe's **SESSENHEIM—HUSE.**

From D. C. Heath & Co., Hoffmann's "**HISTORISCHE ERZÄHLUNGEN**"—Bretschneider-Webb.

PUBLICATIONS RECEIVED.

The *Popular Science Monthly* for May has many features of marked interest. There is a careful comparison of secondary school programmes—French and American—and the conclusion is reached that the courses of study in our high and preparatory schools must be more distinctly specialized before they will yield satisfactory results. . . . The *Century* for May, Memorial Day Month in the United States, is made notable for the number and variety of articles it contains on natural life and history. The number is more profusely illustrated than usual. . . . *St. Nicholas* for May is a fine