

**SUMMER SCHOOL OF SCIENCE**  
FOR THE  
**ATLANTIC PROVINCES OF CANADA,**  
SEVENTH SESSION, SACKVILLE, N. B., JULY 5TH, TO 21ST, 1893.

THE OPENING MEETING of the Session will be held in the University Convocation Hall, on Wednesday, July 5th, at eight p. m. Josiah Wood, M. P., will preside, and Dr. Allison, President of the University will deliver an address of welcome. Dr. Inch, Supt. of Education for New Brunswick, Dr. McLeod, Supt. of Education for P. E. Island and Dr. MacKay, Supt. of Education for Nova Scotia, will reply on behalf of the School. J. B. Hall, Ph. D., President of the School of Science, will then deliver the opening address, and will be followed, it is hoped, by W. S. Fielding, Premier of Nova Scotia, Premier Blair of New Brunswick, and others. Music by a select choir.

After the meeting a reception will be held in an adjoining room by the President of the School, where citizens and scientists will have an opportunity of becoming mutually acquainted.

**The Subjects of Instruction** will embrace Botany, Chemistry, Elocution, English Literature, Geology, Mineralogy, Music (Tonic Sol-fa), Pedagogy, Physics, Physiology, Psychology and Zoology.

In Natural Science the subjects will be treated experimentally, with field work and laboratory practice by the aid of the simplest equipments such as are within the reach of Common Schools, practical instruction in arranging and mounting plants, insects, &c.

**Expenses:**—Class fees from \$2.00 to \$3.50, Board \$3.50 per week, Return Tickets free or one-third. Intercolonial Railway gives return tickets free on presentation of certificate (on printed form) signed by the agent who sells the tickets, and countersigned by Secretary Summer School. Do not fail to get this certificate when you purchase your ticket. Agents are ordered to furnish them.

**Prizes:**—A Prize of \$10.00 will be given for the best set, and another prize of \$5.00 for the second best set of home made apparatus adapted for the use of Common Schools in teaching Physics and Chemistry; provided, however, that there are not less than five competitors.

**Round Table Talk:**—A new feature of the session is the "Educational Symposium." Three or four meetings will be held during the session, at which subjects of vital and practical importance to every member will be discussed. Every member of the School is invited to participate in these discussions.

**Family Table:**—The instructors and other members of the School will lodge and board in the institution. The ladies will lodge in the beautiful rooms of the Ladies' College, and the gentlemen in the Collegiate Academy. All, however, will board at the same table.

**Excursions:**—There will be afternoon excursions to the Tantramar Marshes, to Fort Lawrence and the Ship Railway; with an all day trip to the Joggins Mines, which will be a red-letter day for the geologists.

**N. S. Teachers** who attend the Summer School will be allowed to close their schools one week earlier without loss of provincial or county grants.

Those who purpose attending the School are requested to notify either the Local or General Secretary not later than June 15th, so that arrangements may be completed for entertaining all in the buildings connected with the University.

J. B. HALL, PH. D.,  
PRESIDENT.

W. T. KENNEDY;  
COUNTY ACADEMY, HALIFAX,  
SECRETARY.

C. E. ATKINSON,  
SACKVILLE,  
LOCAL SEC'Y.

Write to the Secretary for a Calendar.

**HARVARD UNIVERSITY,**  
SUMMER COURSES OF INSTRUCTION.

During the summer of 1893 courses of instruction will be given as follows.

**ENGLISH**, three courses, viz.:—Rhetoric and Composition (two courses):—A. Elementary Course. B. Advanced Course. Anglo-Saxon.

**GERMAN**, two courses.

**FRENCH**, two courses.

**AMERICAN HISTORY.**

**DRAUGHTING and DESCRIPTIVE GEOMETRY.**

**TRIGONOMETRY.**

**ENGINEERING**, three courses, viz.:—Topographical Surveying, Railway Surveying, Electrical Engineering.

**PHYSICS**, two courses.

**CHEMISTRY**, four courses, viz.:—Fundamental Principles of Chemistry, Qualitative Analysis, Quantitative Analysis, Organic Chemistry.

**BOTANY**, two courses, viz.:—Vegetable Morphology and Physiology, and Microscopical Anatomy of Phaenogams, Cryptogamic Botany.

**GEOLOGY**, three courses.

**PHYSICAL TRAINING**, two courses.

**COURSES AT THE MEDICAL SCHOOL.**

\* \* \* The course in the History and Art of Teaching omitted this year will be given in 1894.

Women as well as men are admitted to these courses, except those in the Medical School, those in Engineering, and the two more advanced courses in Geology.

In addition to the above-mentioned courses, certain lectures on methods of instruction will be given by teachers in the several departments represented by the schools. These lectures will be open, without charge, to the persons who are enrolled as members of any of the summer schools in the University.

In general these courses are adapted to the needs of those who intend to be teachers in the several subjects. Several of the more elementary, however, are intended also to meet the needs of beginners and may be taken by students in lieu of the corresponding courses in the College and the Lawrence Scientific School, and may be counted towards a degree.

During the session of the Schools the College Library will be open from 9 A. M. till 5 P. M. The Museum of Comparative Zoology, the Peabody Museum, the Semitic Museum, and the Mineralogical Collection are also accessible to students during the summer vacation.

In general the fees for the above mentioned courses, except those in Chemistry, Botany, Engineering and Physical Training, are \$20 for each course.

Board and lodgings may be obtained in Cambridge during the summer vacation at a cost of from \$5 to \$10 per week. Students are advised to take their meals at the restaurant provided by the schools, where food will be provided at cost. Application should be made to Mr. C. M. READE, 19 Stoughton Hall, Cambridge.

Other information may be obtained on application to **MONTAGUE CHAMBERLAIN, HARVARD UNIVERSITY, CAMBRIDGE, MASS.**