

EDUCATIONAL.**Educational Classes in Commercial Branches,
from October to April.**

The Committee issue the following programme:—Classes will be limited to 40 members. To secure best results members should enter from the first; but if there is a vacancy, members can enter after the course has begun, on examination by the Teacher.

MONDAYS—Elementary French, 7.30 to 8.30; Advanced French, 8.30 to 9.30; Instructor, Mr. L. R. Gregor; Male Chorus, (singing,) 8 to 9; Instructor, Mr. W. A. Coates.

TUESDAYS—Commercial Arithmetic, 7.30 to 8.30 (3 months course from Oct. to Jan.); Book-keeping, 8.30 to 9.30; Instructor, Mr. Alec Thomson.

WEDNESDAYS—Elementary French, 7.30 to 8.30; Advanced French, 8.30 to 9.30; Instructor, Mr. L. R. Gregor.

THURSDAYS—Commercial Arithmetic, 7.30 to 8.30; Penmanship, 8.30 to 9.30; Instructor, Mr. Alec Thomson.

FRIDAYS—Elementary Phonography, 7.30 to 9; Instructor, Mr. Alec Thomson; Advanced Phonography, 8 to 9; Instructor, Mr. Robert McNab.

A \$5 Ticket includes Educational Classes, Lectures and Membership.

Members holding \$2 or \$1 Tickets can exchange them at the office for a \$5 Ticket, on payment of difference.

Further information on application at the office.

HOSPITAL SERVICES.—Sunday mornings, 9.30 to 10.30:—

- Oct. 7.—“Is Thine Heart Right.” 2 Kings x., 15-17; Psalm li., 17. David Watson, H. B. Ames.
 “ 14.—“The Song of the Pardoned.” Psalm xxxii. Abner Kingman, George S. Rorke.
 “ 21.—“A Change quickly wrought.” Luke viii., 26-39. R. H. Buchanan, A. O. Dawson.
 “ 28.—“All on board Saved.” Acts xxvii., 27-44. J. Dumaresq, C. H. Anderson.

HOUSE OF INDUSTRY:—

- Oct. 7.—John Murphy.
 “ 14.—J. Dumaresq.
 “ 21.—T. Duncan Patton.
 “ 28.—A. O. Dawson.

On account of the present interest and development in Electrical Matters, the Committee has arranged with Mr. W. R. Kimball, of the Royal Electric Light Company, for the following

ELECTRICITY COURSE.

Opening Thursday, October 11th.

OUTLINE OF LESSONS.

“I have gathered a posy of other men's flowers, and nothing but the thread that binds them is mine own.”

**TO BE ILLUSTRATED BY EXPERIMENTS,
APPARATUS AND STEREOPTICON.**

1. **PHYSICAL PHENOMENA.**—The Law of Gravitation, Sound Waves, Theory of Heat, Nature of Light, Electricity, The Correlation of Forces.

2. **FRICTIONAL OR STATIC ELECTRICITY.**—Discovery of Electricity, Methods of producing Heating, Mechanical and Chemical Effects, The Electric Spark.

3. **ELECTRO CHEMISTRY.**—The Atomic Theory, Chemical Affinity, Electric Batteries, Electro-Plating, The Storage Battery, Thermo-Electric Batteries, Electrical Measurements.

4. **MAGNETIC FORCE.**—Natural and Artificial Magnets, Electro Magnets, The Mariner's Compass, The Electric Telegraph.

5. **INDUCTION CURRENTS.**—The Induction Coil, Speaking Telephone, The Microphone, The Photophone, Rhumkorff's Coil.

6. * **DYNAMO ELECTRIC MACHINERY.**—General Principles, Open and Closed Coil Armatures, Series, Shunt and Compound Wound Dynamos, Incandescent and Arc Light Machines, Regulating Devices.

7. * **SYSTEMS OF ELECTRIC LIGHTING.**—The Voltaic Arc, The Arc Lamp, The Incandescent Lamp, Constant Current Systems of Distribution.

8. * **SYSTEMS OF ELECTRIC LIGHTING.**—Electric Lighting in Multiple Arc, Heating and Loss in Conductors, Calculation of Wire, The Three-Wire System, The Municipal System, Electric Meters.

9. **ELECTRICAL TRANSMISSION OF POWER.**—The Electric Motor, Counter Electro-Motive Force, Units of Work, Efficiency of Conversation.

10 **THE ALTERNATING CURRENT.**—The Reactive Coil, The Inductive Coil or Converter, The Analogy of the Lever, The new process of Electric Welding, Electric Lighting, The Storage and Transmission of Power.

* Stereopticon.