

with engineers engaged in teaching and/ⁱⁿ industry, which afford an opportunity for exchange of views on many matters of great interest to the profession. In the more definitely scientific field, service is rendered to the National Research Council of Ottawa through membership on committees dealing with the varied activities of that body. Representatives of our Faculty usually attend the conventions of the American National Engineering Societies, the American Mathematical Society, the American Association for the Advancement of Science, the Society for the Promotion of Engineering Education, the Canadian Universities Conference and similar bodies, so that close contact is maintained with modern developments and ideas.

Our laboratories serve the needs of industry in many ways, such as the following:-

- (a) by carrying out standard tests of materials.
- (b) by standardization of instruments of various kinds.
- (c) by placing our testing facilities at the disposal of organizations or individuals seeking the solution of special problems, supervision of the use of equipment being maintained by our own laboratory staff.
- (d) by the making of special investigations of a research nature, such work being directed by a member of our teaching staff.

Examples of investigations of a research character are given in the departmental reports such as:-
 study of ore-dressing problems; heat losses in paper mills;
 power developed by tug-boats of various designs as used in the