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*Omnium rerum, ex quibus aliquid acquiritur, nihil est agriculturâ melius, nihil uberius, nihil homine libero dignius.—Cicero: de Officiis, lib. I, cap. 42.*

**VOL. III. HALIFAX, N. S., FEBRUARY, 1879. No. 24.**

**CENTRAL BOARD OF AGRICULTURE, 1879,**

His Honor the Lieutenant-Governor in Council has been pleased to make the following appointments to the Central Board of Agriculture:—

**Government Member:** HON. HECTOR FRANCIS McDUGALL, M. P. P., M. E. C.

**Member for District No. 1, including the Counties of Halifax and Lunenburg:** Colonel J. WIMBURN LAURIE, Oakfield.

**Member for District No. 2, including the Counties of King's, Annapolis, and Queen's:** CHARLES F. EATON, Esq., Cornwallis.

**Member for District No. 3, including the Counties of Digby, Shelburne and Yarmouth:** CHARLES E. BROWN, Esq., Yarmouth.

**Member for District No. 4, including the Counties of Hants, Colchester and Cumberland:** ISRAEL LONGWORTH, Esq., Truro.

**Member for District No. 5, including the Counties of Pictou, Antigonishe and Guysborough:** DAVID MATHIESON, Esq., Pictou.

**Member for District No. 6, including the Counties of Cape Breton, Richmond, Inverness and Victoria:** JOHN ROSS, Esq., Boulardarie, C. B.

COLONEL BLAIR, M. P. P., of Onslow, has registered three Ayrshire Bull Calves, Sir John, Sir Peter, and Sir Hugh, from his cows,—Daisy the Second, Daisy, and Myra.

The Senate of Dalhousie College have passed the following resolution:—

*Resolved,* That whereas Dr. J. J. Mackenzie has been removed from among us by death, in the midst of his labours as Professor of Physics in this University, we desire to record our deep sorrow at the sad event.

The earnestness with which our late colleague engaged in his duties imparted itself to all with whom he came into contact, to the students whom he inspired with enthusiasm, and to the friends of the College, who were stimulated to special effort to promote the efficiency of the scientific department. He also endeared himself to his associates by the qualities of high and honorable manhood, genial and kindly feeling, and rare personal worth; so that while we deplore his loss as that of a valued coadjutor, we deplore it still more as that of an esteemed friend.

To Dr. Mackenzie's family and relatives we offer our heartfelt sympathy and condolence, and earnestly trust that their keen sense of bereavement may be alleviated by the consolations of religion, and that, in mourning the loss of a son and brother, cut off so soon after his entry upon a sphere of public usefulness, their submission to the Divine Will may be strengthened by the thought that his work, so long as he was permitted to perform it, was well and nobly done.

**THE CANADIAN HORTICULTURIST.**

This very useful monthly, issued by the Fruit Growers' Association of Ontario, enters upon its second year. The January number is now before us, replete with valuable and interesting information on the cultivation of Fruits, &c. It should be in the hands of every man who has an orchard or a garden. Now is the time to send a dollar to D. W. Beadle, Secretary, St. Catharines, and secure this welcome monthly visitor, also a copy of the Annual Report for 1878, and a tree of the "Ontario" apple.

PROFESSOR LAWSON'S Class for Scientific Agriculture was opened in January, for the second term of the Technological Institute. The Class meets every Wednesday and Saturday evening in the Chemistry Class Room, Dalhousie College. The Lecture commences at 8 o'clock, and is continued for an hour or an hour and a half, after which the Students adjourn to the adjoining Laboratory well furnished with apparatus, and engage in the work of Chemical Analysis.

The Class work was commenced by an exposition of the principles of Chemistry and preliminary instruction in chemical nomenclature and notation, especially in the use of symbols, formulæ and chemical equations, which, whilst so simple as to be easily understood, tend greatly to simplify Chemistry, and enable one to express chemical ideas with clearness and precision. The futility of attempting to understand chemistry without chemical equations was pointed out, whilst the ease with which a knowledge of the science could be acquired by their use was illustrated.

The chemical operations of Agriculture require an intimate acquaintance with the atmosphere, water, and the soil that forms the uppermost layer of the crust of the earth. The constitution of the atmosphere was dealt with, its principal constituent gases, Nitrogen and Oxygen, prepared, and their properties shown by various experiments. The Carbonic acid of the air, although in minute quantity, plays an important part in natural phenomena, enabling rain-water to render solu-