The Meteorological form brought into use at the beginning of 1870 differs in some respects from the former one. It has been adopted with the view of assimilating the Hobart Town records more closely with those of stations in Europe, America, etc., in order to co-operate in a system of International Meteorology. Readings are added from the centigrade thermometer, that being the instrument generally used on the continent of Europe.

The mean is in all cases taken from the sums of the two daily registers, noting the maximum and minimum.

The direction of the wind is registered from currents at a height of 92 feet above sea level, and its force in lbs. per square foot.

The relative quantity of rain that fell during the respective winds is registered each morning at 7:30 a.m.

The thirty-five years' standard tables are used for obtaining the difference from average.

Francis Abbott, F.R.A.S., etc.

Time of leafing, flowering, and fruiting of a few standard plants in the Botanical Gardens during the month of July, 1870:

- Arbustus amedo commencing to flower.
- Garrya elliptica, ditto.
- Almond, ditto; Yellow Crocus, ditto.

Results of observations taken at New Norfolk for July, 1876, in accordance with new forms, and registered at 7:30 a.m. and 3:30 p.m.:

Barometer, mean of 2 daily readings, corrected and reduced at 39.966 in.

Thermometer, mean of 2 ditto, 39.339 deg. mean of max. and min. in shade, 41.53 deg.

Low point, mean of 2 daily readings, 30.003 deg.

Elastic force of vapour mean, of 2 ditto, 211.

Humidity mean of 2 ditto, 36.

Solar intensity, mean of maximum temperature, 74.964 deg.

Terrestrial radiation, mean of minimum temperature, 28.968 deg.

Clouds, mean of 2 daily observations, 732.

Rainfall, 1.064 in: in excess of evaporation, 60 in.

Evaporation, 63 in.

Wind, force in lbs. per square foot, total of 2 daily observations, 15.019 in.

Horizontal movement, 1,250 miles.

Of 62 observations, 25 were calm, 8 rainy days.

On 18th, the temperature was 91 deg.

The aerial movement was less by 620 miles than during any month in the last twelve.

W. E. SshuBridge, Valleyfield.