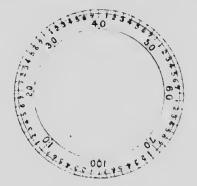hours and degrees. The Octimal System at once suggests the following divisions of the circle:

(100) etred seconds make 1 minute.
(100) etred minutes   "   1 hour or degree.
(100) etred hours   "   1 day or complete revolution.

No objection could be made to this division of the circle for although the new seconds as applied to the circle would be about five times as large as at present, yet the Octimal divisions would be as conveniently read by the new vernier scale as are the present decimal divisions. The divisability of the circle by such a method will be at once apparent. It will now be possible to obtain by simple bisection any angle required. This may be done with mathematical precision and at the same time by the only method of division of angles known to geometricians. At present no angles expressed by whole numbers except those of 15 degrees, 30 degrees, 45 degrees. 60 degrees can be measured without the use of methods that are practically equivalent to guess-work and which are wholly unscientific. Furthermore the method of the Octimal system makes the circle the exact counterpart of the Mariner's Compass.

The system outlined above presupposes one revolution of the hour hand in our present time of twenty-four hours. This would necessitate of course a com-