

ON THE USE OF YELLOW-TINTED GLASSES.

(See *The Hydrographic Review*, Vol. XII, No 1, May 1935, p. 176).

NOTE BY COMMANDER E. C. SHANKLAND, R. N. R., RIVER SUPERINTENDENT,
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In perusing the May issue of the *Hydrographic Review*, I have been very interested in the article printed on pages 176 and 177 relative to yellow tinted glasses for maritime and aviation uses.

It will be of interest for you to know that we have adopted a similar arrangement of coloured lights for our Thames Bridges after several experiments.

Between the Tower of London and Teddington we have twenty-eight bridges, and a considerable amount of navigation takes place through the arches of those bridges by night as well as by day.

This trade has increased considerably in recent years. We therefore determined to have a distinctive form of lighting to mark the centre of the navigable arches of these bridges.

You will appreciate that as the river winds in its course, the navigable arch is not always observed in a direct line with the course of the navigator when he first picks it up, but that he observes the bridges to be navigated at an angle which is askew to his course.

We therefore decided that the best type of light to indicate the centre of the navigable arch would be two orange-red lights placed horizontally not more than 4 ft. apart, equidistant from the centre of the arch and as close down to the soffit as possible, the lights to be placed on the upstream and downstream sides of each principal navigation arch.

Regarding the specification of the lamps, these are of the masthead type with a 10 inch by 7 inch convex or plano-convex lens. The arc of the light = 180° ; maximum candle power with gas 60, with electric power 32. The spectroscopic quality of the wave length in Microns with a 100 % saturation should lie between 0.600₆ and 0.607₆.

In practice these lights have been found of the greatest utility. They do not resemble the rich red side light and are clearly distinguished from the oily yellow which abound along the Thames banks at night. You may wish to insert this note among your extracts and reviews of the Journal.

Monsieur André BLONDEL will be pleased to know that we have also advanced in this subject in which he is interested.

