# The JOURNAL of THE INSTITUTE OF NAVIGATION

## THE INSTITUTE OF NAVIGATION AT THE ROYAL GEOGRAPHICAL SOCIETY

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THE Journal is published quarterly by the Institute and is edited by M. W. RICHEY. It contains original papers contributing to the science of navigation, including those presented at meetings of the Institute together with the ensuing discussion. In addition the Journal includes a record of current navigational work, reviews of important books, and other matters of concern to those interested in navigation. The views expressed in the Journal are not necessarily those of the Institute, or of any organization or department to which the authors may belong.

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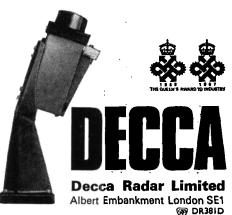
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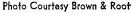
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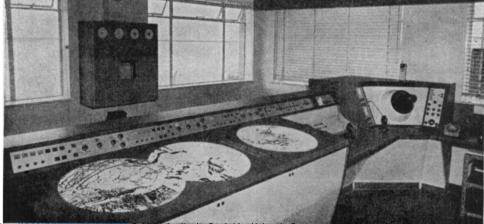
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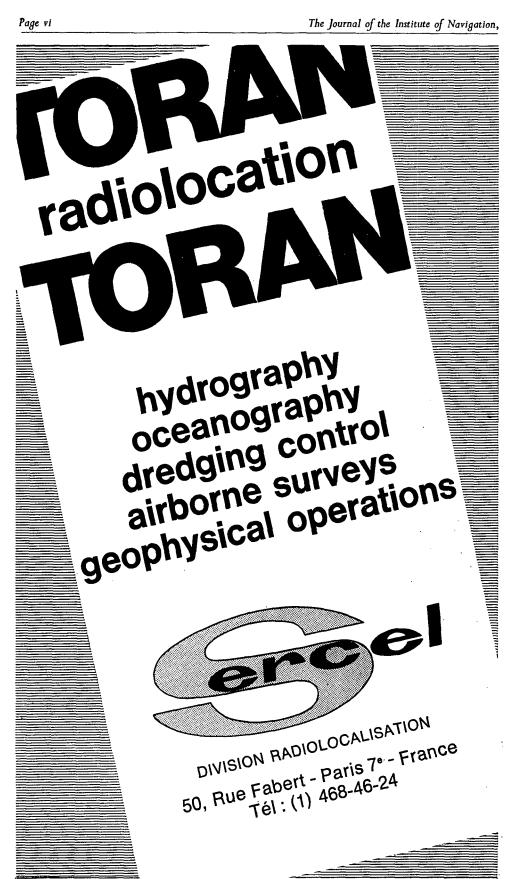
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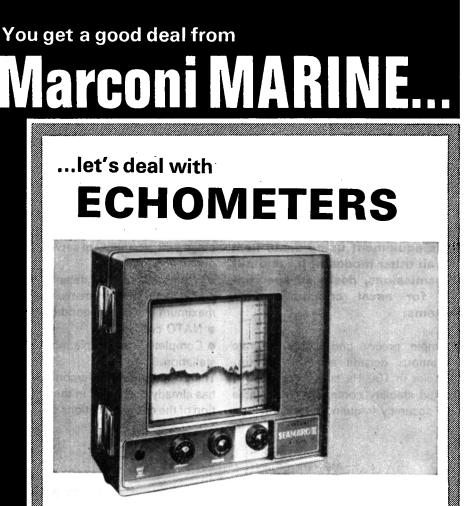
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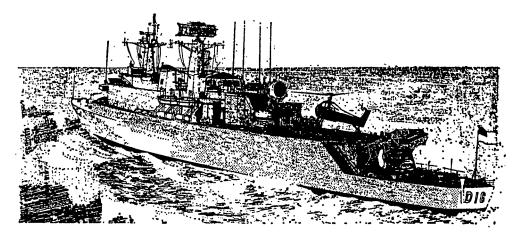
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