

The JOURNAL of THE INSTITUTE OF NAVIGATION

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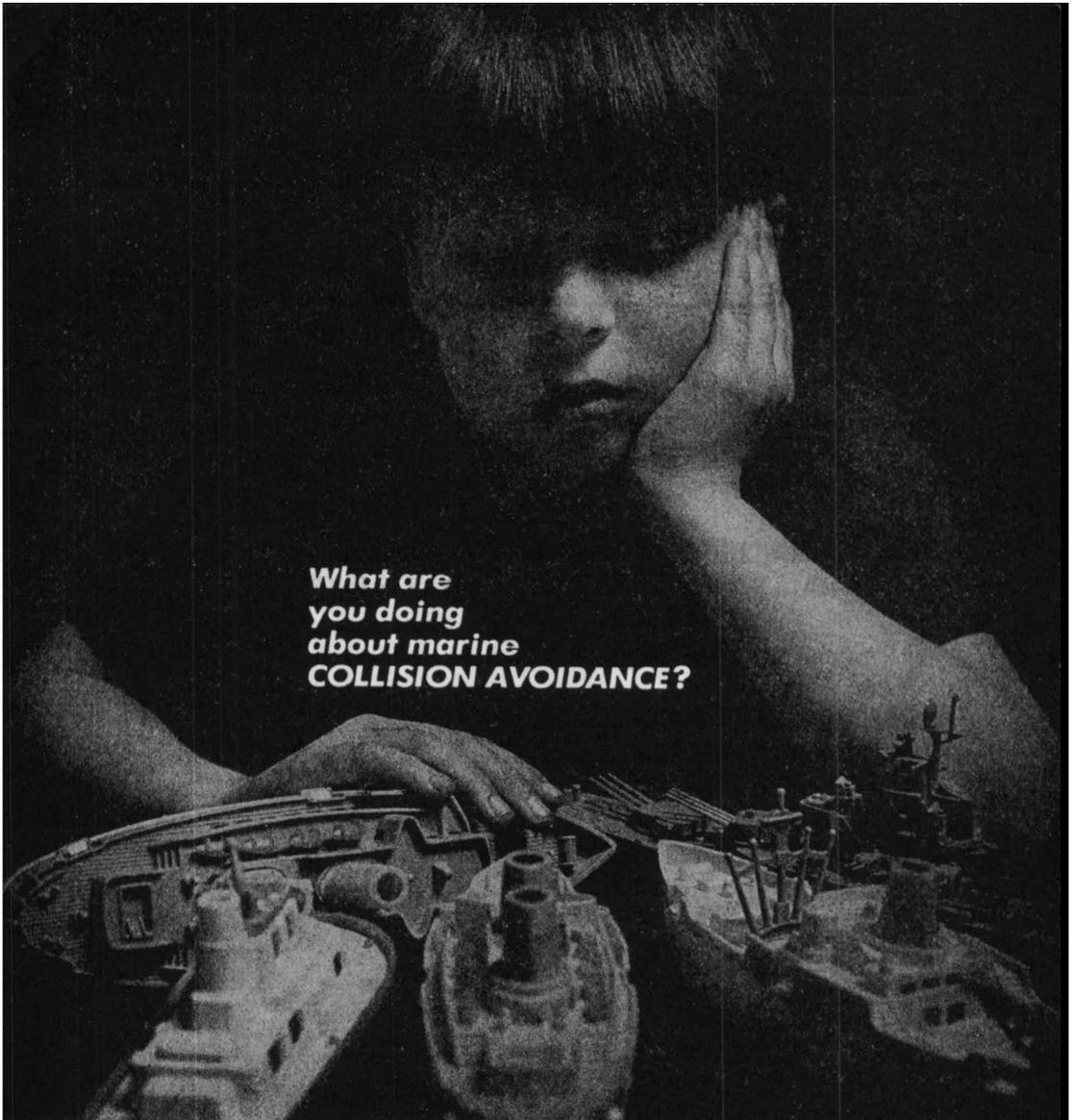
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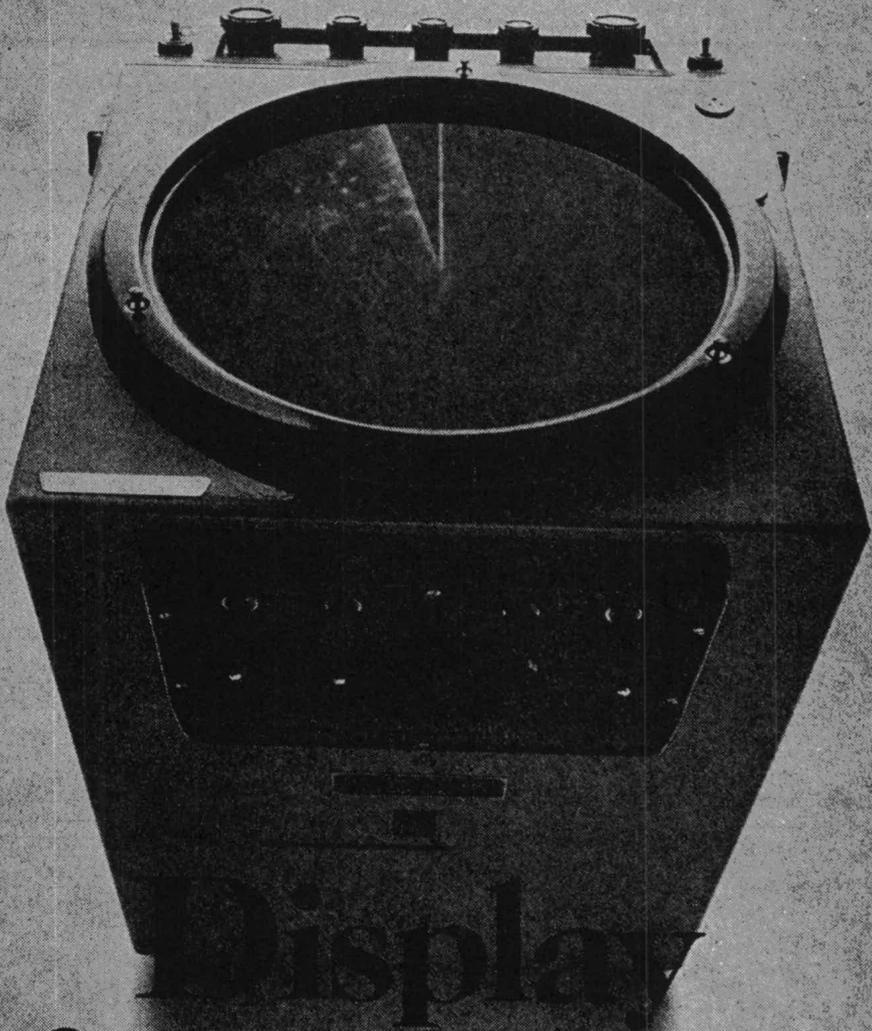
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Navigation, the quarterly Journal of the American Institute of Navigation, is available to members of this Institute at a reduced subscription of £2 a year. Volume 17, No. 4 (Winter 1970-71) contains the following papers.

APPLICATION OF OPTIMAL CONTROL THEORY TO SATELLITE-BASED OCEANIC AIR TRAFFIC CONTROL

Stuart H. Starr and Dr. Barry M. Horowitz

APPLICATION OF STATISTICAL TECHNIQUES TO LANDMARK NAVIGATION

J. E. Bennett and J. C. Hung

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Major Richard M. Shute, USAF

INERTIAL SYSTEMS AND AREA NAVIGATION IN THE U.S. DOMESTIC AIRSPACE

Joseph M. Del Balzo

STAR CHARTS FOR MANNED SPACE FLIGHT

Ted A. Guillory, Gene E. Gentry, and John W. O'Neill

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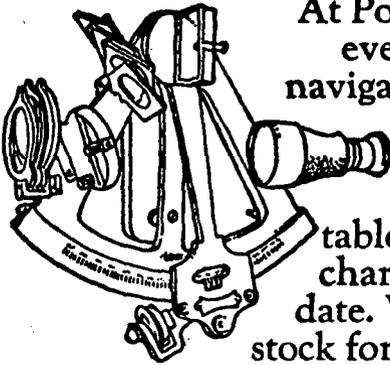
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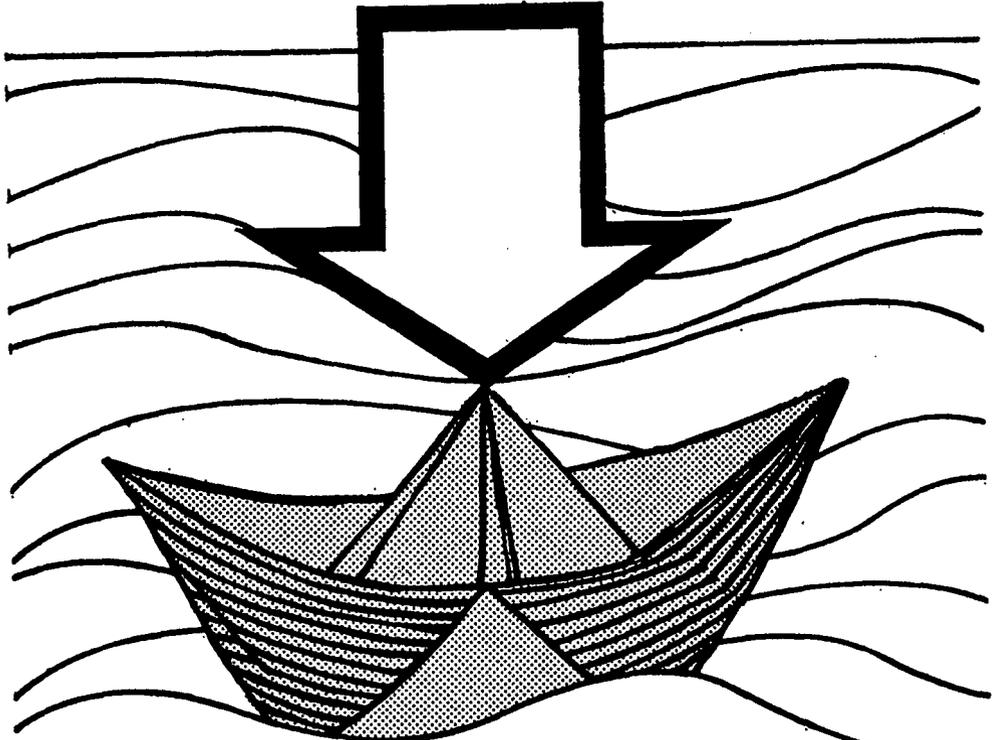


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NAVIGATION (Paris), the quarterly Journal of the French Institute of Navigation, is available to Members of the Institute at the preferential subscription rate of £2.00 per annum. Subscriptions should be addressed to the Institute office in London.

The April 1971 number will include an account, by Borrock and Rider, of the flight trials of the Air Transport Association of America's collision avoidance system; a review of the application of nuclear energy to merchant ships, by David and de Ladonchamp; and a paper on the principles of V.L.F. radio navigation systems. Other features include an article on Arab navigation in the Indian Ocean; a paper on minimum time routes under sail and an appreciation, by Capt. F. J. Wylie, of automatic plotting devices for use with ship's radar.

In addition there is, as usual, a record of events of navigational interest, reviews and correspondence.

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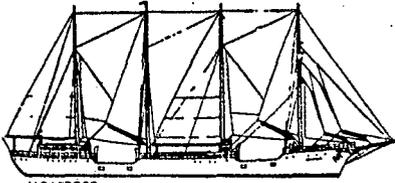
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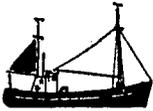
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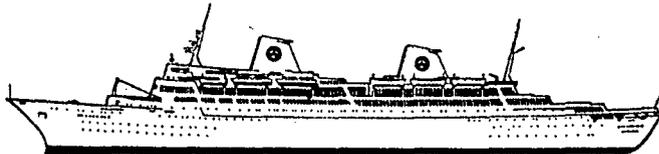
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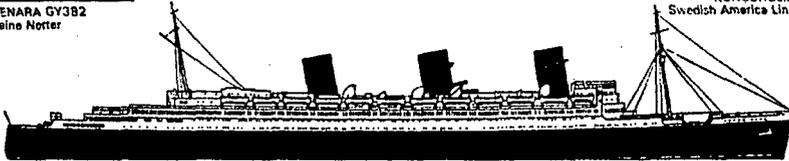
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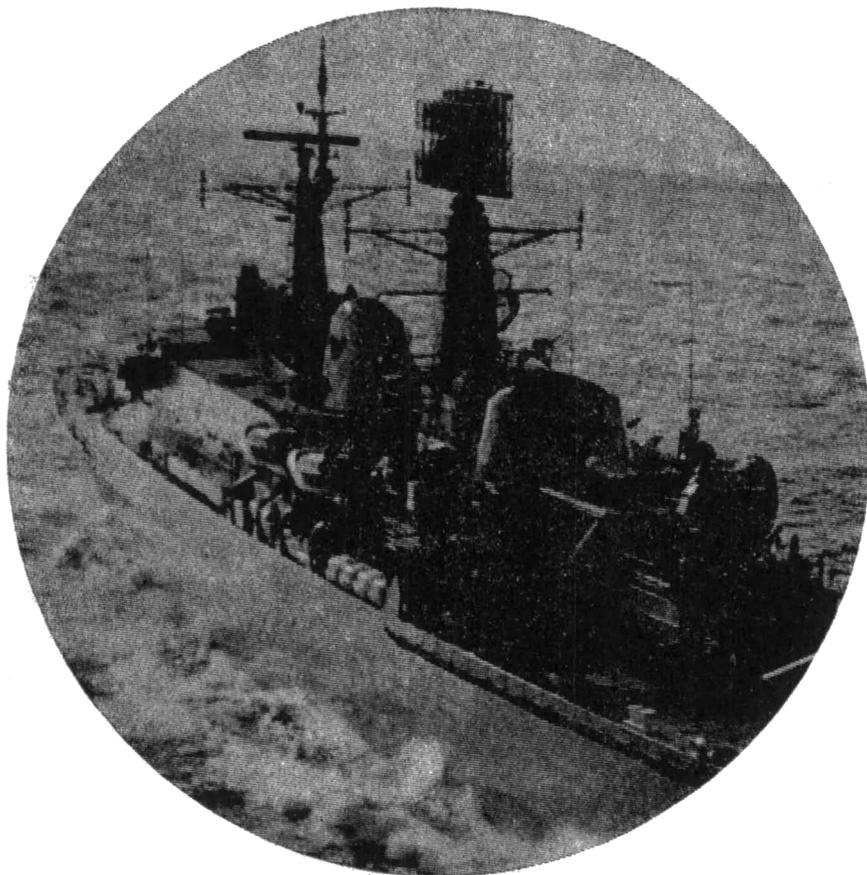
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This new edition contains an appendix by Joseph Needham, F.R.S., on the history of navigation in China. (Hollis & Carter, £2.50 Members £2.00 plus postage.)

The Use of Radar at Sea

A Handbook on Marine Radar. (Hollis & Carter, £3.50)

Observational Errors

An elementary account of the ideas behind the statistical theory of errors, by E. W. Anderson & J. B. Parker. (John Murray, 25 p)

The Geometrical Seaman

An illustrated work on early navigational instruments, by E. G. R. Taylor & M. W. Richey. (Hollis & Carter, £1.50)

The Mathematical Practitioners of Tudor and Stuart England

by E. G. R. Taylor.

(Cambridge University Press, £3.50
Members £2.75 plus postage.)

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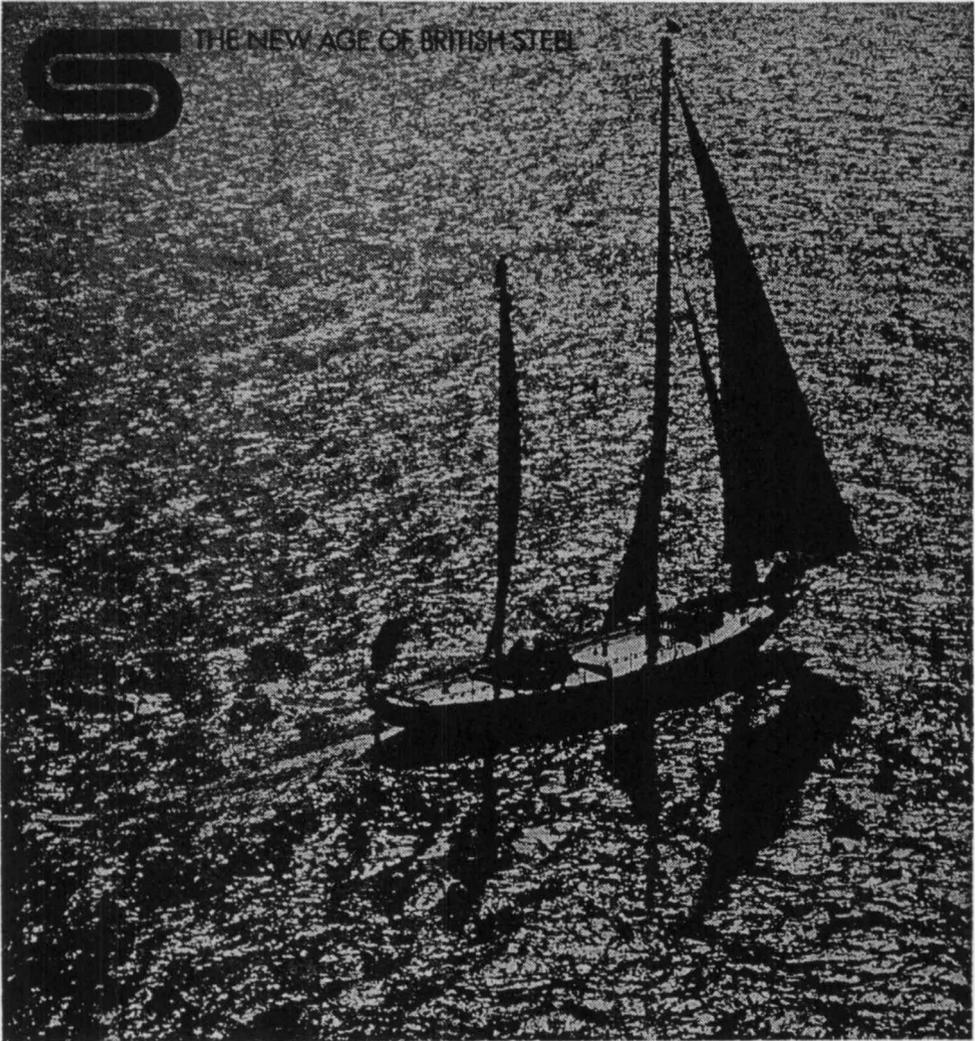
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Frontispice. The Wolf Rock Lighthouse. An article on the lighthouse services appears on p. 165.
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