

JOURNAL OF THE
ROYAL NAVAL MEDICAL SERVICE

VOL.
LVIII
1972





Journal
of the
Royal Naval Medical Service

Journal
of the
Royal Naval Medical Service

VOL. LXXII
1972

Editor: Captain A. G. ...
Editorial Board: Captain P. J. ...
Editorial Board: Captain (D) P. R. J. ...
Editorial Board: Captain P. C. ...
and John Reynolds, M.D., Editor

Journal
of the
Royal Naval Medical Service

Journal

of the

Royal Naval Medical Service

VOL. LVIII

1972

EDITORIAL COMMITTEE

SURGEON REAR-ADMIRAL A. O'CONNOR, MVO, QHP, FFARCS

SURGEON CAPTAIN P. J. PRESTON, OBE, FRCP, DTM&H, DCH, Professor of Naval Medicine

SURGEON CAPTAIN (D) P. R. J. DULY, OBE, LDS, RCS, Director of Dental Training & Research

SURGEON COMMANDER P. C. FULFORD, MVO, MCh(orth), FRCS, Professor of Naval Surgery

MRS JOAN REYNOLDS, BEM, Editorial Secretary

Journal
of the
Royal Naval Medical Service

VOL. LVIII
1972

EDITORIAL COMMITTEE

Surgeon Rear-Admiral A. O'CONNOR, MRC, FRCS, FRCR, FRCR
Surgeon Captain P. J. PRESTON, MRC, FRCS, FRCR, FRCR, Professor of Naval Medicine
Surgeon Captain (D) P. R. J. DUFF, MRC, FRCS, FRCR, Director of Dental Training & Research
Surgeon Commander P. C. FULFORD, MRC, FRCS, FRCR, Professor of Naval Surgery
Mrs Joan Reynolds, BEM, Editorial Secretary

NOTICE

THE EDITOR invites medical and dental staff to send in original papers on professional subjects, travel, personal experiences and other matters. Items of news and matters of interest to the naval medical service will be welcomed from ships and establishments on home and foreign stations. Notices of births, marriages and deaths are inserted free of charge to subscribers.

All articles or communications published in the JOURNAL OF THE ROYAL NAVAL MEDICAL SERVICE will become the property of the JOURNAL with full copyright powers, unless the author declares when sending in the article that he desires to reserve the copyright to himself.

Articles and communications may be sent at any time to **The Editor, Journal of the Royal Naval Medical Service, Institute of Naval Medicine, Alverstoke, Hants, PO12 2DL**. Two copies should be submitted in typescript. Double spacing should be used throughout.

References—the name of the author and the date of publication are given in the text, thus 'Smith (1935) believed this to be due, etc . . . ' or ' . . . lack of basic information on the strategic fundamentals of the science of the sea (Carlson, 1956)'. The list of authors quoted is put at the end of the article in alphabetical order. Each reference in the list should give, in order, the author's name, initials, the year of publication (in brackets), the title of the paper, the name of the journal *in full*, the volume and the number of the first and last pages. For books, the place of publication should be stated and the publisher's name.

The JOURNAL is published three times a year, three numbers comprising one volume.

Subscriptions

For RN and RNR medical and dental personnel on the active or retired list, and for Consultants to the Royal Navy, the subscription is £2 per annum (post free) payable on January 1 of each year. Single copies 70p.

For all others who are not in the above categories, the subscription is £2.40 per annum (post free), or 80p per single copy.

Cheques and postal orders should be crossed 'Lloyds Bank Ltd' and made payable to the Editor, The Journal of the Royal Naval Medical Service.

The payment of subscriptions by banker's order is recommended as it relieves the subscribers of the necessity of forwarding a cheque each year and simplifies the keeping of accounts.

All applications for Advertisements should be addressed to:

THE EDITOR
JOURNAL OF THE ROYAL NAVAL MEDICAL SERVICE
INSTITUTE OF NAVAL MEDICINE
ALVERSTOKE, HANTS, PO12 2DL

NOTICE

The Editor invites medical and dental staff to send in original papers on professional subjects, travel, personal experiences and other matters. Items of news and matters of interest to the naval medical service will be welcomed from ships and establishments on home and foreign stations. Notices of births, marriages and deaths are inserted free of charge to subscribers.

All articles or communications published in the JOURNAL OF THE ROYAL NAVAL MEDICAL SERVICE will become the property of the JOURNAL with full copyright power, unless the author declares when sending in the article that he desires to reserve the copyright to himself.

Articles and communications may be sent at any time to The Editor, Journal of the Royal Naval Medical Service, Institute of Naval Medicine, Alverstoke, Havant, PO12 2DL. Two copies should be submitted in typewritten form. Double spacing should be used throughout.

References—the name of the author and the date of publication are given in the text. This should be given in full, e.g. 'Smith (1932) believed this to be due, etc.' or '... lack of basic information on the strategic fundamentals of the science of the sea (Coulson, 1926)'. The list of authors quoted is put at the end of the article in alphabetical order. Each reference in the list should give, in order, the author's name, initials, the year of publication (in brackets), the title of the paper, the page number, the volume and the number of the first and last pages. For books, the place of publication should be stated and the publisher's name.

The JOURNAL is published three times a year, three numbers comprising one volume.

Subscriptions

For RN and RNR medical and dental personnel on the active or retired list, and for Commandants to the Royal Navy, the subscription is £2 per annum (post free) payable on January 1 of each year. Single copies 25p.

For all other who are not in the above categories, the subscription is £2.40 per annum (post free), or 80p per single copy.

Cheques and postal orders should be crossed 'Lloyds Bank Ltd' and made payable to the Editor, The Journal of the Royal Naval Medical Service.

The payment of subscriptions by banker's order is recommended as it relieves the subscribers of the necessity of forwarding a cheque each year and simplifies the keeping of accounts.

All applications for advertisements should be addressed to:

THE EDITOR

JOURNAL OF THE ROYAL NAVAL MEDICAL SERVICE

INSTITUTE OF NAVAL MEDICINE

ALVERSTOKE, HAVANT, PO12 2DL