

# Ferranti. Europe's leader in inertial navigation.

The leading position of Ferranti in defence electronics is especially evident in our navigation systems.

Highly developed resources and wide experience in this field have given us a notable record of success.

Ferranti inertial navigation systems are currently being used by the Royal Air Force and by the air forces of Germany, Italy and Japan in the Jaguar, Harrier, Tornado, Nimrod and Mitsubishi F-1 aircraft and have recently been selected for the Harrier GR5 programme. They also feature in the Royal Navy and Indian Navy Sea Harriers.

The FIN 1110 2-gimbal inertial system has been specially selected for the Hughes 530 MG helicopter.

The FIN 3020 Ring Laser Strapdown Inertial Nav/Attack system is being developed for the Ministry of Defence.

Other Ferranti successes include integrated weapon aiming systems, inertial space guidance systems, survey equipment, and precision instruments such as gyroscopes, compasses and rotary scanners.

Ferranti Defence Systems Limited,  
Navigation Systems Department,  
Silverknowes, Edinburgh EH4 4AD  
Telephone: 031-332 2411 Telex: 727101

# FERRANTI

## Navigation Systems

(i)

## THE ROYAL INSTITUTE OF NAVIGATION

**T**HE OBJECT of the Institute is to unite in one body those who are concerned with or who are interested in the science and art of navigation. Membership is not restricted to those who hold professional qualifications, but is open to others who wish to further the aims of the Institute.

By coordinating the knowledge and achievements of marine and air navigators, scientists and those associated with the development and production of navigational equipment, the work of the Institute is directed towards raising the standard of navigation. In the field of education it is the aim of the Institute to bring practical navigators into contact with teachers and research workers to increase a common appreciation of the issues involved. It is an object of the Institute to encourage research in equipment and methods; through its publications it gives a wide circulation to original work on navigation so that new developments and suggestions can be appreciated by those most directly concerned with them.

The activities of the Institute include the holding of monthly meetings to discuss specific problems, the publication of a Journal and of other works concerned with different aspects of navigation, and such other activities as the Council may deem necessary to promote knowledge in navigation and its associated sciences.

*The Journal of Navigation* is issued free to all Members and contains a full account of the Institute's proceedings. It prints the papers which are presented at meetings, together with their ensuing discussion, and other original papers contributing to the science of navigation. It also contains a record of current navigational work, reviews of important books, and general papers of interest to navigators and those with similar interests.

The work of the Institute is coordinated with that of similar societies abroad, whose proceedings are available to members.

**Membership.** There are five classes of membership of the Institute:

(1) HONORARY MEMBERS, who shall be distinguished persons upon whom the Council may see fit to confer an honorary distinction.

(2) FELLOWS, who shall be members, of at least three years' standing who, in the opinion of the Council, have made a contribution of value to navigation.

(3) MEMBERS, who shall be persons over twenty-one years of age who can satisfy the Council of their interest in navigation.

(4) STUDENT MEMBERS, who shall be persons under twenty-five years of age studying with a view to making navigation, or an allied interest, their career.

(5) CORPORATE MEMBERS, who shall be companies, universities, navigation schools, government departments and other organizations, here and abroad, who are directly or indirectly interested in the science of navigation. Corporate Members are entitled to send representative to all Institute meetings and to receive six copies of the *Journal*, and other publications. They are encouraged to take an active part in the Institute's work. Applications should be sent by letter addressed to the Director.

**Subscriptions.** Annual subscriptions to the Institute are payable in advance as follows:

Members and Fellows . . . . .	£23.00
Student Members . . . . .	£5.00
Corporate Members . . . . .	£150.00

The Institute's financial year begins on 1 July. Members in any category who are elected after 1 January in any year are only due for one half of their subscription until 1 July, when the full subscription for the next year becomes due.

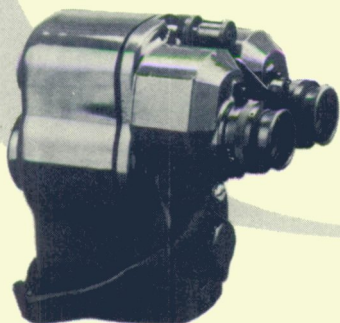
# However you look at it the answer to gyro-stabilised viewing is in your hands

Over 40 countries have purchased Steadyscope, the hand-held, gyro-stabilised monocular sight developed by British Aerospace. Building on that worldwide success, we have now developed a hand-held Stabilised Binocular. Both instruments overcome the problems of hand tremor and mechanical vibration associated with use on helicopters, small ships, land vehicles and other moving platforms. Each has its own distinct advantages.

Together, they meet the widest possible range of needs.

## Stabilised Binocular

- single-handed operation
- true binocular, ensuring maximum light to eyes and thus maximum resolution
- magnification of  $\times 12.5$ , with options of  $\times 10$  and  $\times 14$  available
- up to 10 hours' battery powered operation, independent of external power sources
- latest gyro and optical instrument technology



## Steadyscope

- night vision capability by interchangeable intensifier eyepiece
- excellent twilight capability
- adaptable for use by left or right eye
- magnification of  $\times 7$  or  $\times 10$  available
- service-proven worldwide, with low cost ensured by high production



For full details, please contact:  
British Aerospace P.B. 181, Six Hills Way,  
Stevenage, SG1 2DA Herts, England

**BRITISH AEROSPACE**  
*...up where  
we belong*

British Aerospace plc, 11 Strand, London.