SEA FLOOR DEVELOPMENT: MOVING INTO DEEP WATER

A Discussion held on 1 and 2 June 1977

Organized by Sir Angus Paton, F.R.S., Sir Peter Kent, F.R.S., Sir George Deacon, F.R.S., Sir Kenneth Hutchison, F.R.S., and M. B. F. Ranken in collaboration with the British National Committee on Ocean Engineering of the Council of Engineering Institutions

All great engineering ventures need scientific data on which to base decisions. Too often such decisions have to be made in situations where the data are lacking or incomplete; this causes uncertainties and delays.

To assist those involved in sea floor development an important wide ranging and comprehensive meeting was held at the Royal Society in June 1977 dealing with the scientific and technological problems in the depth range of 300–2000 metres. The papers covered the morphology and currents of the continental margins, subsea engineering, hydrocarbon potential, the geochemistry of ferromanganese deposits, environmental aspects, as well as the up-to-date position on the law of the sea and the ownership of the ocean floor.

The subject being of such importance it has been decided that the papers and discussion should be published in book form.

cloth bound

189 pages  7 plates  2 pullouts

First published in Philosophical Transactions of the Royal Society, Series A. Vol. 290. No. 1366

Price including packing and postage

£15.00 (U.K. addresses)  £15.45 (overseas addresses)

ISBN 0 85403 100 6

The Royal Society,
6 Carlton House Terrace, London SW1Y 5AG
Telecommunications in the 1980s and after

The year 1976 marked the centenary of the invention of the telephone. Conferences, discussions, lectures, etc. were held in all parts of the world to mark the event. These generally tended to be historical and sociological reviews of the previous 100 years and emphasized the benefits the telephone had brought to mankind. During the year The Royal Society sought contributions from eminent experts in half a dozen countries to a meeting at which the future pattern of telecommunications development would be discussed. This was held in March 1977.

The papers cover virtually all aspects of modern telecommunications, from microtechnology, on which much of the future success in circuit and system design depends to strategic systems planning. The social aspects were not ignored: a paper was included on the implications of new telecommunications service, and reference was made to the topical (and controversial) question of the future size of the telecommunications switching industry.

It is clear that there are few physical impediments to a further massive growth in telecommunications, tending to produce a major impact upon many other industries, and on society in general. The main uncertainties are those of human organization and of politics rather than of technology. Perhaps this itself is the most fundamental change which has affected the art in the 100 years since its birth.

Clothbound ISBN 0 85403 097 2

228 pages 4 plates

First published in Philosophical Transactions of the Royal Society,
Series A. Vol. 289, No. 1356

Price including packing and postage
£16.50 (U.K. addresses) £17.00 (Overseas addresses)

The Royal Society
6 Carlton House Terrace, London, SW1Y 5AG