

THE GRANADA LECTURES 1966

Eighth Year

Three lectures given in the Guildhall, London,
during October, on Communication in the Modern World.

The First Lecture:

'Telecommunications—The Next Ten Years'

by F C McLean

Chairman: Professor Sir Bernard Lovell

Monday 17 October at 8 30 pm.

Organised jointly by Granada Television and the
British Association for the Advancement of Science.

THE LECTURE

Telecommunications—The Next Ten Years

Broadcasting grew out of telecommunications less than fifty years ago when engineers, largely to amuse themselves, but also as part of their experiments to transmit telephone conversation by radio means, started putting out music and talks at odd intervals. The interest these experiments aroused was immediate and widespread, and so broadcasting was born. The lecture deals with the inter-relations of telecommunications and broadcasting. It reviews past and current practices in these fields and deals with developments in radio frequency and wire communication for both types of service. Colour television will be introduced, during the next decade, into all countries with existing networks, and it seems unlikely that by the end of the decade there will be any leading countries without a colour service. The possible use of satellites in world communication and for broadcast coverage of large areas of the Earth's surface will be discussed in some detail. Basic requirements for the transmission and reception of information are considered, and the effect of new developments on the operational side of the industry and methods of manufacture; also the effects of these developments as they influence man-power needs and man-power training.

THE LECTURER

F C McLean

Francis Charles McLean CBE is Director of Engineering of the British Broadcasting Corporation. He began his career as Radio Engineer with Standard Telephones and Cables, from 1925 until 1936, working on the development of broadcasting equipment and the construction of broadcasting stations in many countries in Europe.

He joined the BBC on January 1 1937 as Head of Radio Section in the Design and Installation Department. Then he was seconded to SHAEF from 1944 to 1945 and then in 1947 he rejoined the BBC as Acting Head of Overseas Engineering Information Department. Following this his appointments were as follows: Head of Engineering Services Group in 1949; Head of Engineering Projects Group in 1950; Acting Assistant Chief Engineer in 1951 and Assistant Chief Engineer in 1952. In 1954 he left for Karachi to advise the Pakistan Government on development of Radio Pakistan. On April 19 1960 he was appointed Chief Engineer, a title later changed to Deputy Director. It was announced on January 10 1963 that Mr McLean would succeed Sir Harold Bishop as the Director of Engineering on the latter's retirement on May 10 1963. He was awarded the CBE in the 1953 Coronation Honours List. In 1965 he was awarded the grade of Fellow of the Television Society.

The other two lectures in the series are :

October 24

'From the Few to the Many' by Sir Kenneth Clark, with Lord Radcliffe in the Chair.

October 31

'Technology and Power' by Sebastian de Ferranti with Professor Sir Willis Jackson in the Chair.

God Save The Queen

arranged and conducted by Sir Thomas Beecham.
Specially recorded for Granada Television.

The annual series of Granada Guildhall Lectures began in 1959. Previous speakers in this series have been :

Lord Adrian
Sir Edward Appleton
Sir Eric Ashby
Professor A J Ayer
Professor George W Beadle (USA)
Professor P M S Blackett
Professor Hermann Bondi
Alistair Cooke
Dr H J Eysenck
Dr J K Galbraith (USA)
Sir James Gray
Professor Lord Holford
Yoshinori Maeda (Japan)
Professor George Miller (USA)
Dr Edward R Murrow (USA)
Dr J B Rhine (USA)
Vice-Admiral Hyman G Rickover (USA)
Professor Stein Rokkan (Norway)
Sir John Wolfenden
Professor Yigael Yadin (Israel)
Professor Jerrold Zacharias (USA)

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