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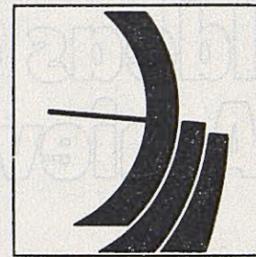
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# World Telecommunication Day 1978:



## Radiocommunications exhibition in Singapore

Singapore commemorated the 10th World Telecommunication Day with wide-spread publicity and a public information program.

A full-page colour newspaper advertisement was inserted in the major newspapers in Singapore on 17 May 1978. This advertisement appeared in four languages.

An interview on World Telecommunication Day was also broadcast on 17 May explaining the significance of the Day, this year's theme "Radiocommunications" and the 12-day exhibition on radiocommunications organized by the Telecommunication Authority of Singapore.

The message from the Secretary-General of the ITU was also broadcast.

The exhibition was declared open by the then Minister for National Development and Communications, Mr Lim Kim San. The exhibition was open to the public from 17 to 29 May between 10h00 and 21h00. About 45 000 people, especially students, at whom the exhibition was aimed, visited it.

The exhibition was widely publicized by the mass media. Visitors were also presented with brochures on radiocommunications and book-marks evoking the theme.

The following displays were included in this exhibition:

□ A 10-minute multi-screen slide presentation discussing the various services using the radio frequency spectrum such as radiopaging, walkie-talkies, aeronautical and maritime communications, etc. Also discussed was how these services affect our daily lives.

□ Stands

### Automatic mobile telephone (AMT)

The actual display of an AMT in a car and a display board explaining how the AMT is linked to the national network were exhibited.

### Radio pager

Visitors could actually see how the paging system works when one dials to page for someone. A paging control console was displayed with the operator working on it.

### Private radiocommunication network

The following exhibits were displayed and

visitors could use or try them out with their friends in booths:

- radio DEL for off-shore public telephone;
- telecoms order wire set;
- mobile-to-mobile communication set through repeater;
- point-to-point portable transceiver set;
- fixed station with remote control unit working to a mobile set.



This full-page colour advertisement appeared in the "Straits Times" on 17 May

### Aeronautical radiocommunications

A slide presentation on radiocommunication systems used in aircraft such as long-range voice over HF; VHF communication; meteorological information broadcast such as VOLMET and ATIS. Navigational aids such as radar and instrument landing systems were also depicted.

"Live" broadcasts from

- ATIS (Airport terminal information service);
- VOLMET (Meteorological broadcasts by voice) were made available.

### Satellite and microwave communications

A display board showed how telephone, telex, facsimile and data are transmitted from the subscriber to the international telephone exchange and then to Fort Canning microwave station. From here, the signals are transmitted by microwave to the satellite telecommunication earth station at Sentosa, and thence up to the satellite and relayed to the distant stations in other parts of the world.

Telephones, telex machines and computer terminals were on display showing visitors the different services that can be routed via microwave and satellite.

A slide presentation describing the functions of the Sentosa satellite earth station was shown.

The various other earth stations that work with the Sentosa satellite earth station

- via the Indian Ocean satellite,
  - via the Pacific Ocean satellite,
- were displayed on a world map.

### Technical and general information corner

The technicalities of the exhibition were reduced to a minimum for the benefit of the general public. However, for technically minded visitors and students who wished to know more about radiocommunications, a technical information corner was included in the exhibition.

### The radio frequency spectrum

Though the range of the radio frequency spectrum may be very wide, it is a finite resource. Proper administration and allocation of the frequencies are necessary. The common uses of the radio frequency spectrum in the LF, MF, HF, VHF and UHF bands for long range communication, AM broadcast, short wave radio, FM broadcast and television transmission were exhibited using the various types of receivers.

### Highlights in the development of radio-communications

A brief write-up of the historical development, together with the relevant pictures were displayed.

A brief history of radiocommunications illustrated with photographs and pictures was displayed.