

V:th Radio Conference in Finland

arranged by the Finnish National
Committee of the URSI
Oct. 26 - 27, 1964

Programme Oct. 26, 1964

9.05 Opening of the conference: Prof. J. Pohjanpalo

9.15 Opening lecture: Prof. M. Tiuri
Recent advances in radio receivers

Reports:

- 9.45 No 1 Dr J. Oksanen:
On the variation of the ionospheric spread F in Finland
- 10.00 No 2 Mr J. Riihimaa:
Observations of Jovian radiation in 1963
- 10.15 No 3 Prof. M. Tiuri:
Worldwide ionospheric disturbances associated with satellites
- 10.30 No 4 Mr T. Haikonen:
On the atmospheric refractive index in Finland
- 10.45 No 5 Mr E. Hyvärinen:
Radiometeorological atmospheric model
- 11.00 No 6 Mr T. Kasanen:
Comparison of frequencies by VLF-transmission
- 11.15 No 7 Dr P. Mattila:
Wavepropagation in anisotropic medium
- 11.30 - 13.00 Lunch
- 13.00 No 8 Mr P. Stenman:
Lasers
- 13.15 No 9 Mr E. Heikkilä:
On microwave duplexing filters
- 13.30 No 10 Mr R. Marjanen:
Frequency multiplication with varactor diodes

- 13.45 No 11 Mr Ch. Nykopp:
A 600 Mc parametric amplifier
- 14.00 No 12 Prof. P. Ahonen:
Direct derivation of the Trautman transform
- 14.15 No 13 Mr P. Korhonen:
On the synthesis method in circuit design
- 14.30 - 15.00 Coffee
- 15.00 No 14 Mr A. Koski:
Aspects on telephone transmission on VHF- and UHF-radiolinks
- 15.15 No 15 Mr E. Hirvonen:
Internal and external interferences of the radiolink terminals
- 15.30 No 16 Mr K. Rahko:
Electronic control system with bunched tape output
- 15.45 No 17 Mr M. Ojala:
Multiplex stereophonic transmissions, techniques and problems

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- 9.15 Lecture: Dr T. Stubb:
Recent advances in semiconductor electronics

Reports

- 9.45 No 18 Mr H. Ihantola:
The behaviour of the surface field-effect transistor in the saturation region
- 10.00 No 19 Mr R. Graeffe:
Thin-film electronics
- 10.15 No 20 Mr S. Leppävuori, Dr T. Stubb:
Germanium p-n-p transistor technology
- 10.30 No 21 Dr T. Stubb, Mr J. Tallqvist:
Investigation of monocrystalline selenium
- 10.45 No 22 Mr J. Heleskivi, Mr R. Graeffe:
Space charge limited current in selenium single crystals
- 11.00 No 23 Dr P. Jääskeläinen:
On the use of the TE_{011} cavity in plasma measurements
- 11.45 No 24 Mr O. Turunen:
Experience and results on testing composition and carbon-film resistors according to IEC standards

11.30 - 13.00 Lunch

- 13.00 No 25 Mr L. Ojala, Prof. T. Kohonen:
Very fast binary tunnel-diode multiplier
- 13.15 No 26 Prof. M. Tiuri, Mr V. Porra, Mr Ch. Nykopp:
A cooled parametric amplifier for 600 Mc

- 13.30 No 27 Mr S. Halme:
On the sensitivity of radiometers
- 13.45 No 28 Mr T. Hahkio:
Flight test method to determine obstructions disturbing
ILS localizer
- 14.00 No 29 Mr O. Jägermalm:
Radioactivity sonde
- 14.15 No 30 Mr A. Saari:
Statistical decision-theory in signal reception
- 14.30 - 15.00 Coffee
- 15.00 No 31 Mr V. Hentinen:
On the design of high frequency transistor amplifiers
- 15.15 No 32 Mr A. Voutilainen:
Some aspects of the dynamic range of a transistor amplifier stage
- 15.30 No 33 Mr R. Ahlberg:
Automatically triggered oscilloscope camera for investigating
over voltages and disturbances caused by lightning
- 15.45 No 34 Mr P. Teppo:
On the design of narrowband crystal filters.