

25 July, 1962.

## MINUTES OF THE R.F. MEETING

5th July, 1962

(7)

Present : O. Barbalat - H. Bonnin - A. Cheretakis - H. Fischer - K. Gase -  
A. Garcia-Gonzales - P. Gottfeldt - H. Isch - U. Jacob -  
J. Jamsek - R.K. Kaiser - H. Pflumm - G. Roux - D. Zanaschi.

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1. L'Exposition internationale nucléaire et de l'électronique de l'énergie atomique à Rome. (O. Barbalat)

During this exhibition, Barbalat attended a number of lectures on which he reported. At a lecture on new trends in electronics a new kind of isolator was presented. This is a kind of hall effect solid state device which has a small forward loss but the reverse current is not frequency dependent.

A new solid state tetrode was also presented. This tetrode is an N.P. junction with two electrodes on both parts. By applying a voltage on the N bloc, the resistivity of the P bloc can be controlled.

Much was reported on wave propagation in ionized gases.

He also attended a lecture on Maser and Laser techniques and gave a brief summary of it.

Another topic of interest were low noise communication amplifiers using T.W.T. maser - tunnel diodes and similar devices.

A lecture was given on the generation of millimetric waves (0,6 mm) using a carcinotron.

2. Recent measurements on the PU-stations. (K. Gase)

Gase shows pictures of the signals from B.O. stations equipped with new head amplifiers.

He explains the measurements which have been performed so far and the measures which have been undertaken to come to the understanding of this curious behaviour.

The effect is not yet understood.

3. New Components.

H. Pflumm inquires after the Fairchild matched transistor pairs which have been mentioned in our meetings before.

A motor driven selector switch from Albiswerk is shown. This unit will be used in connection with ejection apparatus.

I. Difficulties with the machine arose after the Technical Development last week. Therefore U. Jacob stresses once more the following points:

- a) After one has used his T.D. time everything should be back in that state which ensures correct machine behaviour.
- b) After change of address or telephone number inform Mrs. Townshend.
- c) After any change of our apparatus the responsible should be on call either at home or in CERN until it is proved that the machine works correctly.
- d) In the M.C.R. is an installation book in which all changes should be indicated.
- e) A similar book will be put in the C.B.

II. Next meeting will take place in a fortnight. A. Garcia Gonzales and U. Jacob will report on the progress of ejection equipment.

K. GASE

Distribution : (open)

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