B. Measurement A

Studies on Extrabody-Counting Minicomputer System

I: Outline of the System

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For the purpose of improvement in accuracy and efficiency of R.I. clinical examination, especially in extrabody-counting method, a minicomputer system, which we have designed with some input peripheral equipments, was reported.

**Method:** Specifications of the minicomputer system which we used in these experiments, were as follows.

Nova 1200 16 KWDS
Hardware multiply-divide option, 8107
Real time clock, 4008
Automatic program load, 8108
Hardware floating point arithmetic processor, PP-I-Nova, Ls-Computing Corp.
Paper tape reader, 4011 BN
Moving head disk, 4047 A, Diablo 31
Teletype, 4010 A
Mark sense card reader, Mohawk Data Sciences Corp.

Graphic computer terminal 4002 A, Tektronix, Inc.
Hard copy unit, 4601, Tektronix, Inc.
Perforator, Ricom TP-60
Magnetic tape recorder, TM-Z, Toamco

Scintillation camera, collimated scintillation counters, electrocardiograph and electroencephalograph were connected to the system through each interface from which data were transferred simultaneously to study the relationship between these phenomena.

Scintillation camera was connected with the system through high speed A/D conversion equipment.

The data from scintillation counters were entered through data channel of the CPU.

Electrocardiograph and electroencephalograph have been tested to enter through A/D conversion equipment.

And the future problem was discussed.