

Office Memorandum • UNITED STATES GOVERNMENT

TO : [Redacted]

3-18-60

50X1

FROM : *ACP*

50X1

SUBJECT: *Change in nomenclature -* [Redacted]

[Redacted]

50X1

Lab Coincident Current model:

Lab Flux limited model:

[Redacted]

50X1

DOCUMENT NO. _____
NO CHANGE IN CLASS.
 DECLASSIFIED
CLASS. CHANGED TO: TS 3 © 2010
NEXT REVIEW DATE: _____
AUTH: HF 70-2
DATE: 9 Dec 1988

ACP

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TO :
FROM :
SUBJECT:

Keep Nomenclature

DATE:

DOCUMENT NO. _____
NO CHANGE IN CLASS.
 DECLASSIFIED
CLASS. CHANGED TO: TS S *2010*
NEXT REVIEW DATE: _____
AUTH: HR 70-2
DATE: *9* DEC 1990 REVIEWER: *064500*

[Redacted]

of Project 2529 →
of Project 2158(EP) →

[Redacted] 50X1

changed 3/18/60:

[Redacted]

[Redacted]

Lab coincident mo
Lab Plot - limb

50X1

STANDARD FORM NO. 64

Office Memorandum - UNITED STATES GOVERNMENT

50X1

TO: [Redacted]

DATE: 3-18-60

FROM: MCP

[Redacted]

50X1

SUBJECT: Change in nomenclature -

[Redacted]

model: From [Redacted]

50X1

Lab Coincident cement model: From [Redacted]

Lab Flux-limited model: From [Redacted]

50X1

DOCUMENT NO. _____

NO CHANGE IN CLASS.

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CLASS. CHANGED TO: TS S © 2010

NEXT REVIEW DATE: _____

AUTH: HR 70-2

DATE: 9 DEC 2010

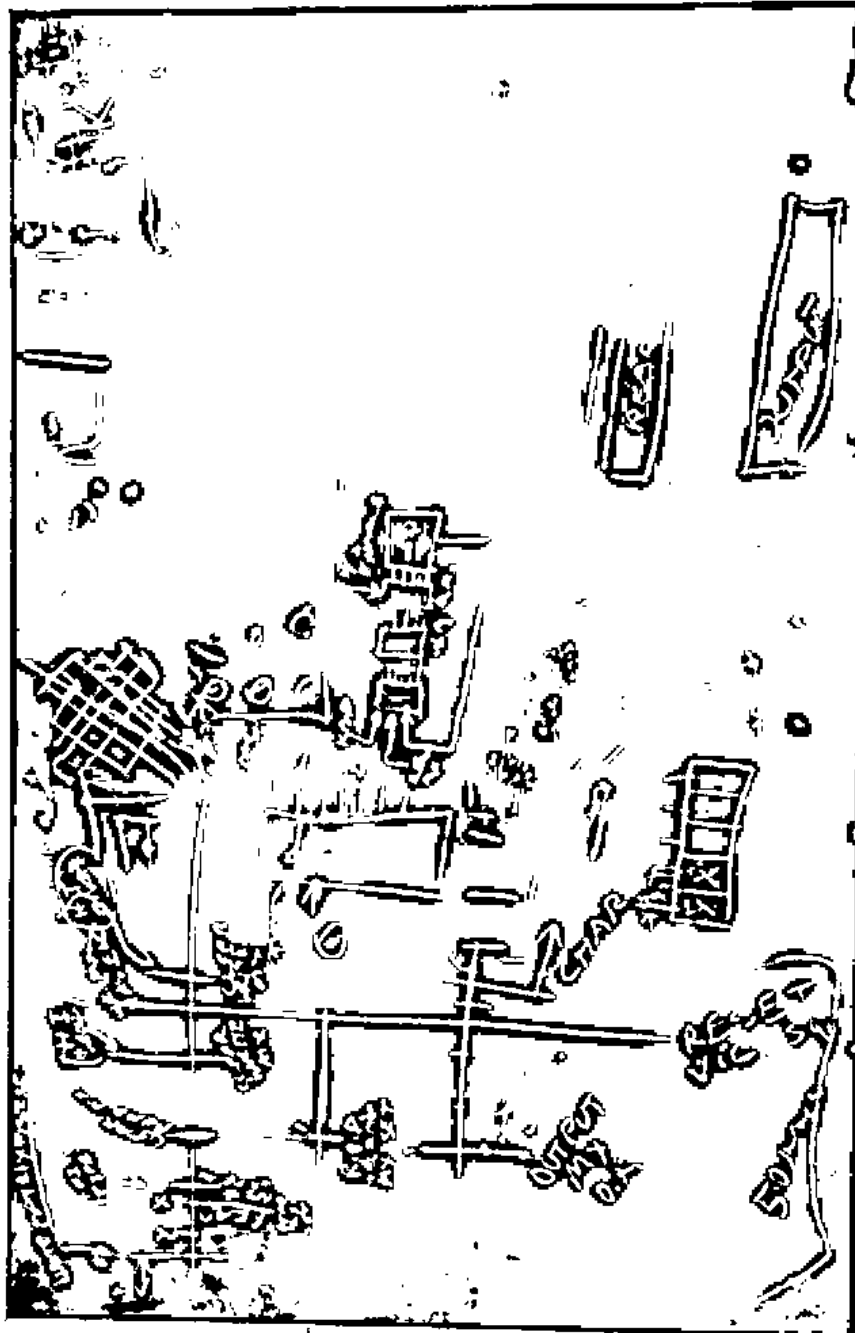
MCP

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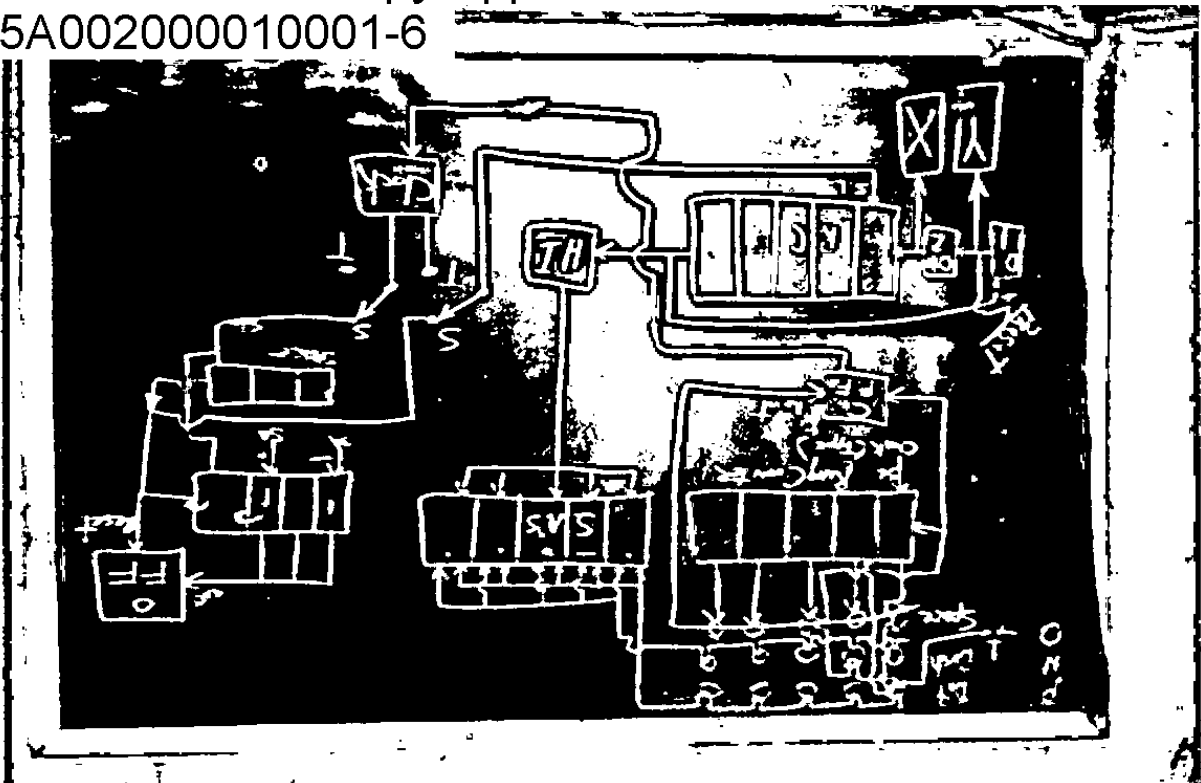
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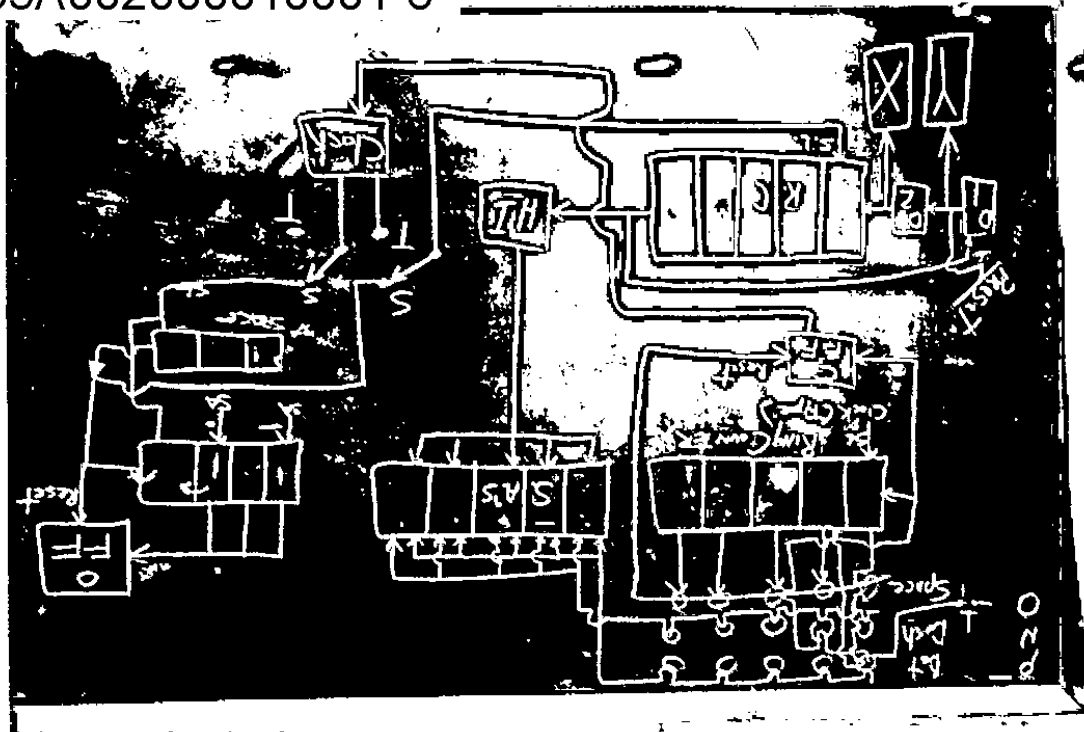
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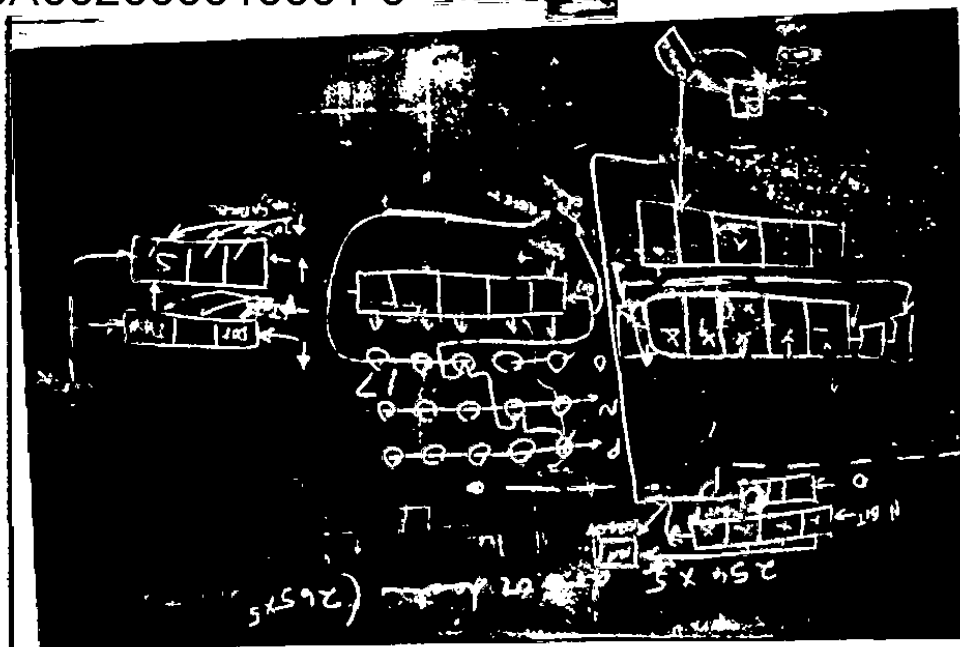
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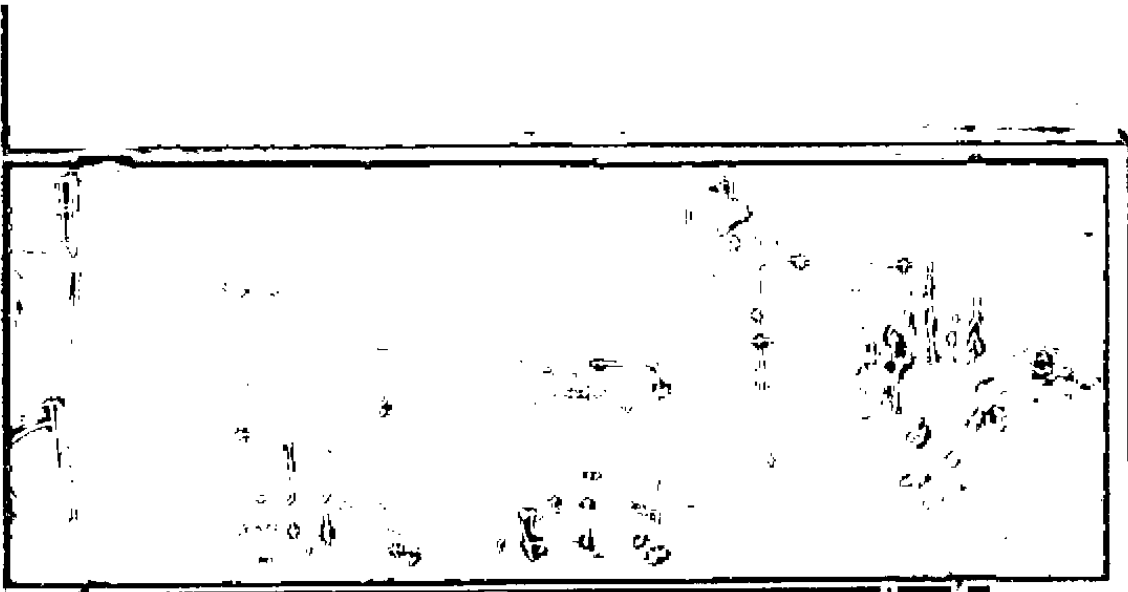
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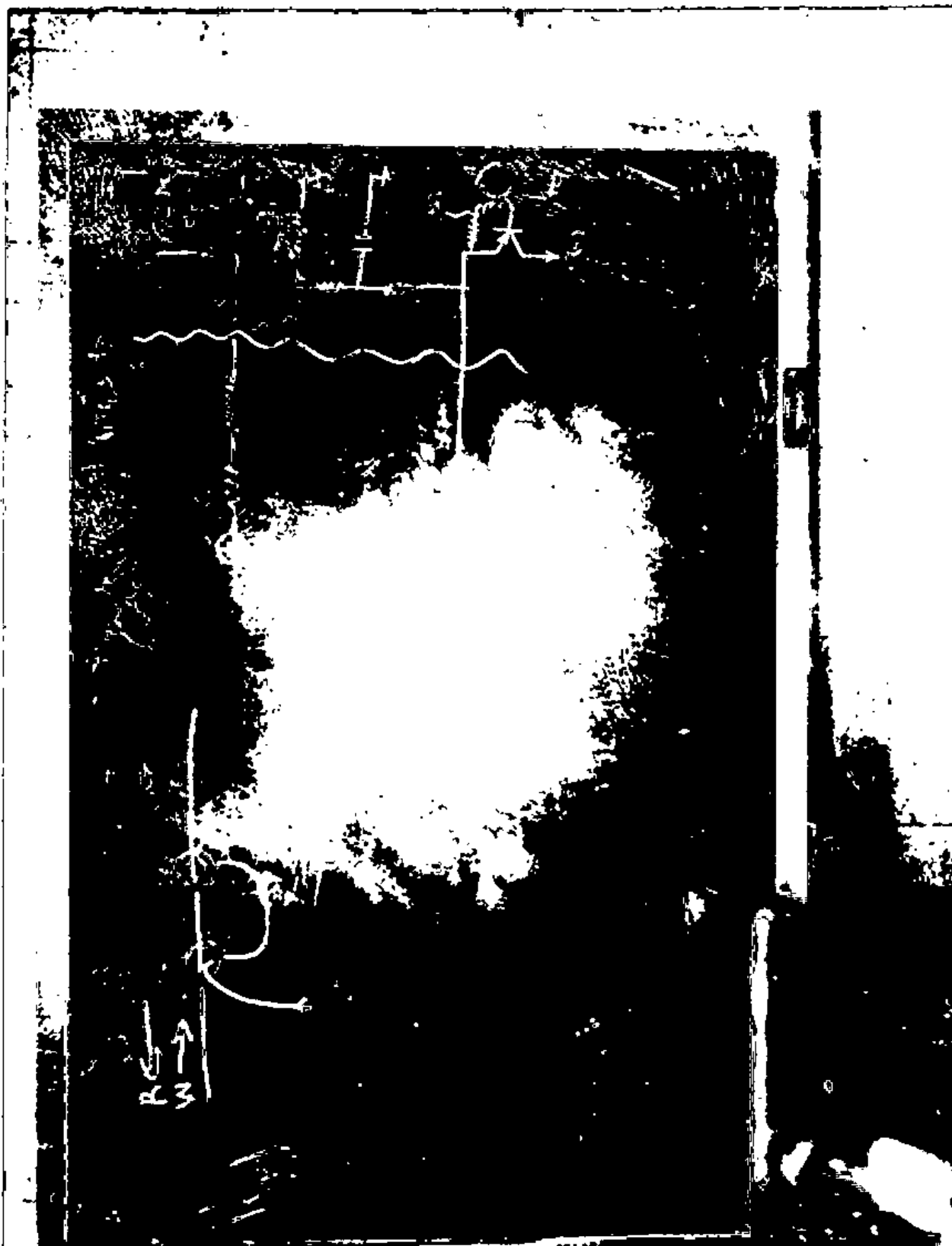
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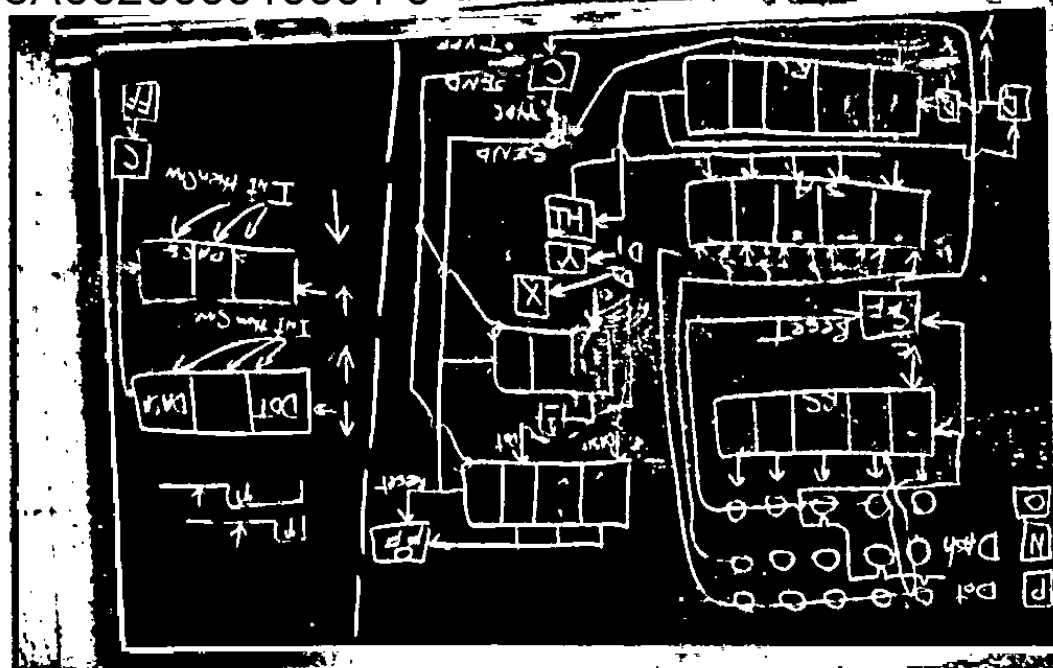
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DATE

TRANSMITTAL SLIP

22 Aug 61

TO:

STAT

ROOM NO.

BUILDING

REMARKS:

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John

a) Is this the sort of thing we'd use in ?

STAT

b) If this one is 32,000 bits am I right in assuming we need one 1/10 as large?

c) Comments?

FROM:

STAT

ROOM NO.

BUILDING

EXTENSION

82
ELECTRONIC NEWS, MONDAY, AUGUST 21, 1961

Computers & Controls

Molecular Slide Rule Demonstrated



DIGITAL ENGINEER: Floyd D. Raasch will supervise the development of basic logic circuitry for analog-digital conversion equipment and computer peripheral products at Diginamics Corp., Minneapolis, in his new position as principal digital engineer. He was formerly with General Electric Co. on the Sky Bolt missile computer development.

Special to Electronic News
PITTSBURGH. — Researchers at Westinghouse Electric Corp.'s laboratories here have demonstrated a molecular electronic device said to perform addition and multiplication.
 Called a "molecular slide rule," the device is a solid slice of silicon about the size of the head of a thumb-tack and as thick as a few sheets of paper.
 Westinghouse claimed the new "functional block" can replace four separate diodes or three diodes and a transistor. The block is said to be capable of greater accuracy than the assembly of individual components.
 Developed by H. C. Lin, C. E. Benjamin, P. W. Smith, and B. S. Aronson, all of the electronic department of Westinghouse Research Laboratory, the device multiplies by adding logarithmic values of the quantities to be multiplied.
 An electric current fed into the junction gives a voltage across the junction proportional to the log of the current. An input of two currents into two junctions gives a voltage which is their logarithmic sum. The antilog, measured at the output of the functional block, is the product of their multiplication, Westinghouse explained.
 Used for multiplication or division, the new device has an input range of 10 to one and an output range of 100 to one. Its accuracy in multiplying and dividing is within five per cent, Westinghouse said.

Japan Bank to Get Signature System

LAWRENCE, Mass. — Author-Visor, a signature identification system, will be installed by Mitsubishi Bank Ltd., Japan's largest bank, according to Craig Systems, Inc. here. The system is made by its subsidiary, LeFebure Corp.
 Mitsubishi bank has 157 branches and approximately 1.2 million accounts.
 Kenneth W. Watts, president of LeFebure, said that this will be the first installation outside this country. He added that this was the biggest single order for Author-Visor equipment yet received.
 The system provides for an encoded image of the customer's signature in his passbook so that it is invisible and incapable of being deciphered by the naked eye. The signature can be decoded and read however, by placing the passbook in an automatic reader located at the teller's station. The decoded signature can then be compared with that appearing on the withdrawal slip.

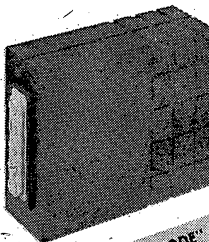
RESEARCH GRANT ON HEART RHYTHM

UTICA, N. Y. — Masonic Medical Research Laboratory here has received a \$6,000 grant for research on irregularities of the heart's rhythm.
 Assisting Dr. Gordon K. Moe, director, in the study are Dr. Werner Rheinboldt, assistant professor of mathematics and director of the Computer Center at Syracuse University, and Dr. A. Atskov, associate professor of medicine at the State University Medical Center, Syracuse.
 The study will measure one second in the function of a human heart, or a fraction more than one beat. Because of the massive number of calculations necessary in the research — 1,200,000 for one second — an electronic computer is being used to decipher the mathematical formulas.
 The laboratory received \$5,000 from the Oneida County Heart Committee and \$1,000 from the Onondaga County Heart Association.
 The study is concerned with arrhythmia, a phenomenon of the heart that usually develops after rheumatic fever.

O'Hara Appointed V-P For Datatrol U.S. Pact

WASHINGTON. — Joseph E. O'Hara, Jr., has been appointed a vice-president of Datatrol Corp., Silver Spring, Md.
 Mr. O'Hara, who was previously with the Defense Department as a systems analyst, will be in charge of Government contracts for Datatrol, which counsels clients on selection and use of information-processing equipment.

COMPUTER POWER SUPPLY



power-bloc is a proven state-of-the-art regulated dc power supply module. Utilizing the "frozen diode" circuit principle, *power-bloc* achieves precise voltage regulation without transistors, tubes or capacitors. *power-bloc* is available in over 40 standard voltage-current ratings (from 1 volt at 10 amperes to 30 volts at 0.8 amperes).

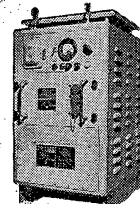
Highest inherent reliability of any regulated power supply
 Fail-safe load protection
 Immune to overload

* patent applied for

"FROZEN-DIODE"



30 VA Inverter



2.5 KW Inverter

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 Santa Barbara, Calif.

VARO Inc

Direct inquiries for special power supplies to:
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 Electronic Products Div.
 2201 Walnut St.
 Garland, Texas

Readers are invited to write to the editors, giving opinion on any matter of industry interest.

SEE WHAT
CURTISS-WRIGHT
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ELECTRONICS TODAY—
 with new products...
 new subsidiaries...
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See the variety of Curtiss-Wright products produced by these Curtiss-Wright divisions and subsidiaries:

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East Paterson, New Jersey
 Thermal Time Delay Relays; Transistorized Time Delay Relays; Ultrasonic Delay Lines; Digital Motors; Solid State Components.

ABRAMS INSTRUMENT CORPORATION

Lansing, Michigan
 Counters; Timing and Programming instrumentation for missile and airborne use; Intervalometers; Time Delay Relays.

INTERMOUNTAIN BRANCH

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