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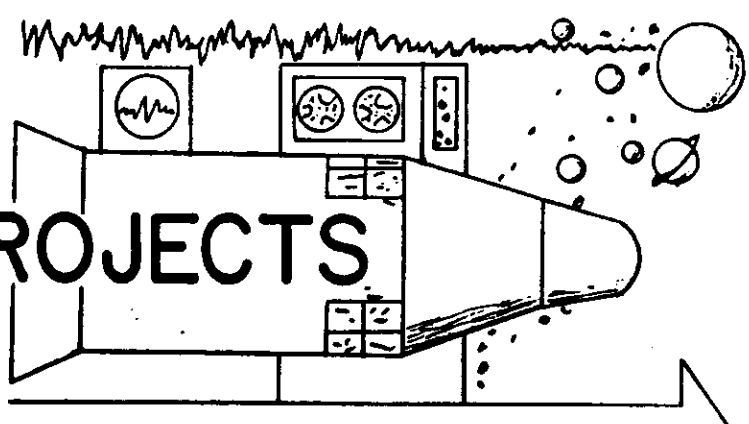


14 000288440



CORONA Program

ADVANCED PROJECTS



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Declassified and Released by the NRO

In Accordance with E. O. 12958

on NOV 26 1997

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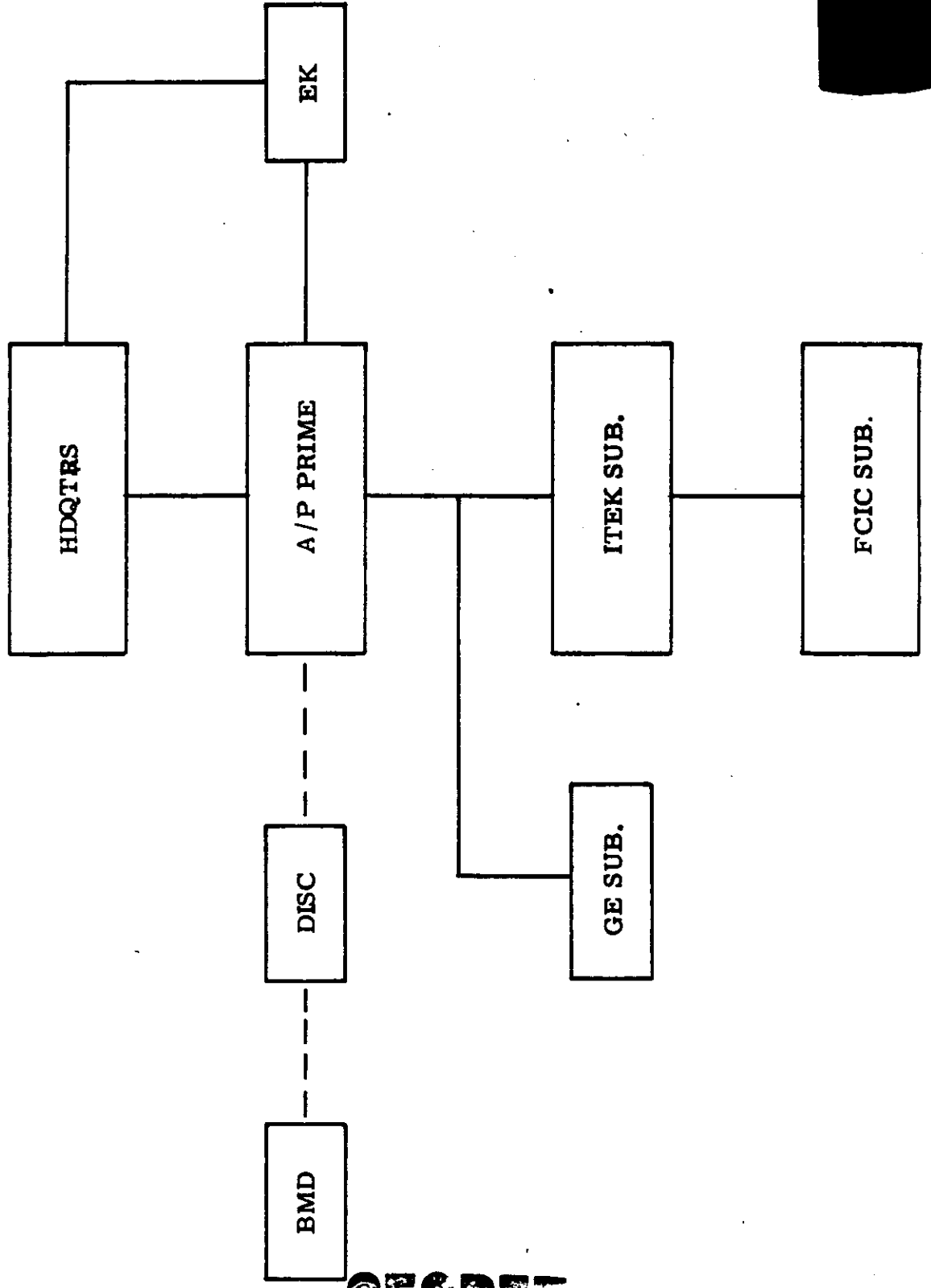
CORONA PROGRAM



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EARLY CONTRACTUAL ARRANGEMENT
CORONA



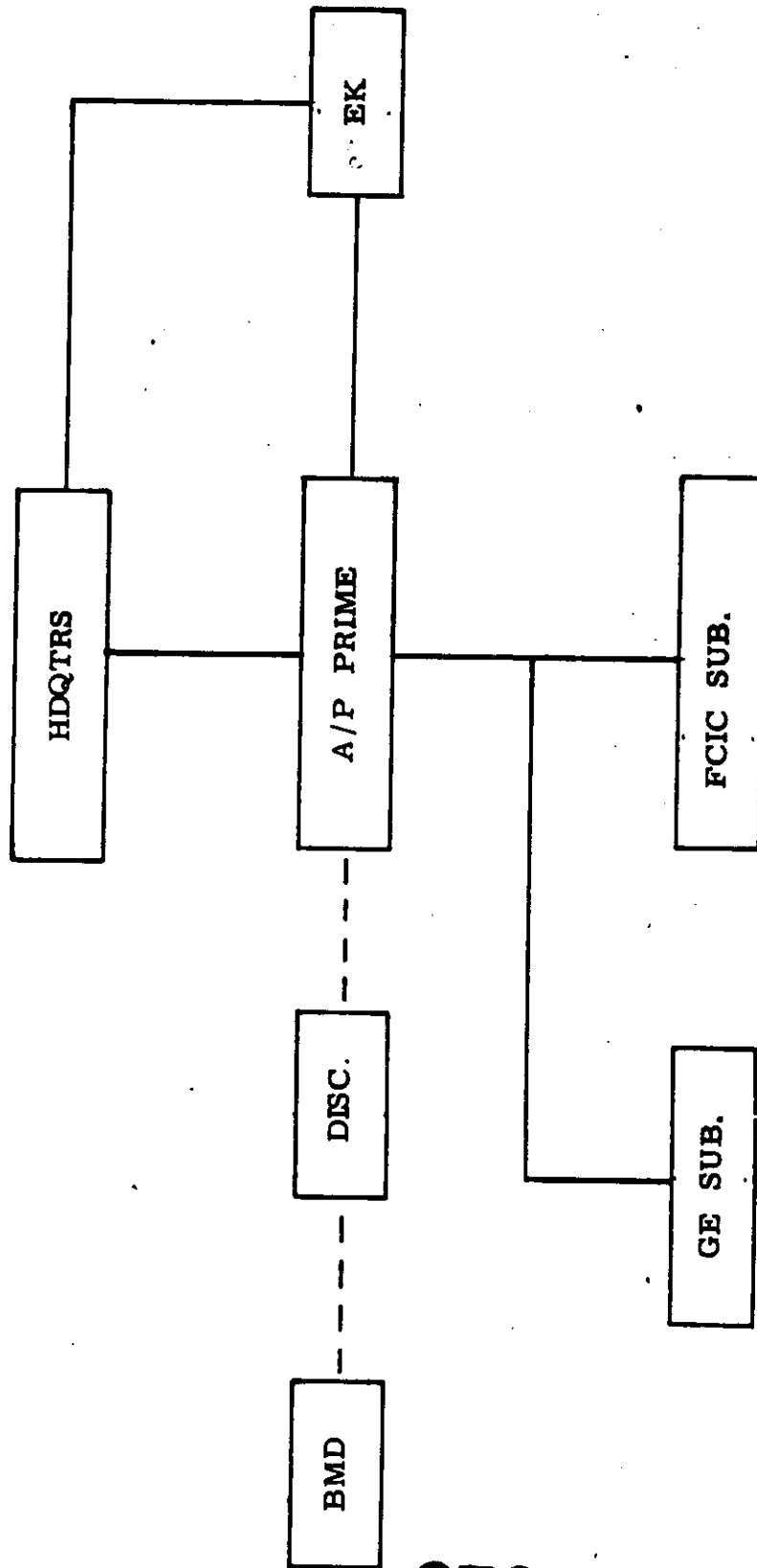
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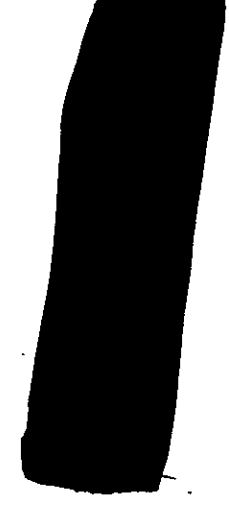
EARLY CONTRACTUAL ARRANGEMENT

ARGON

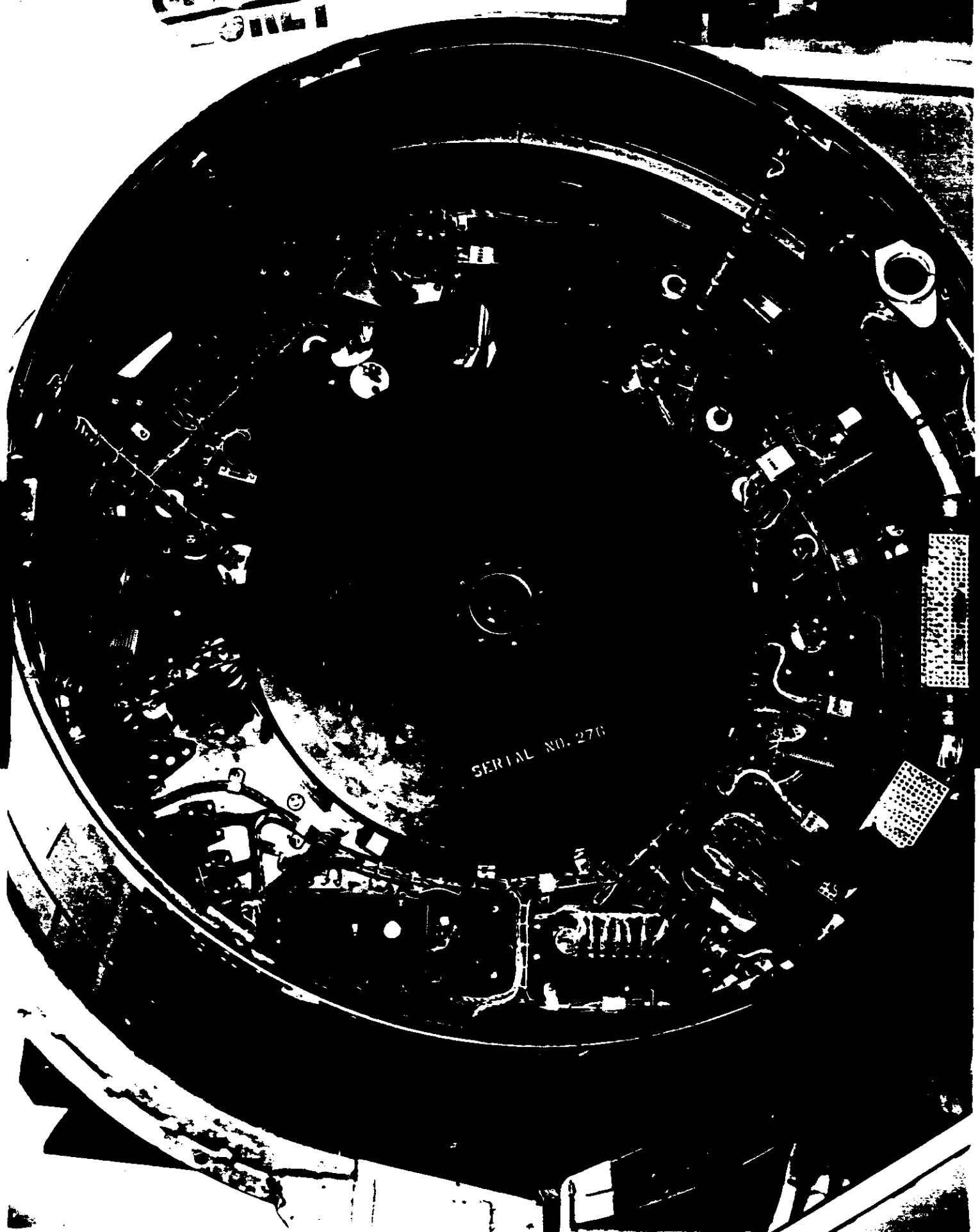


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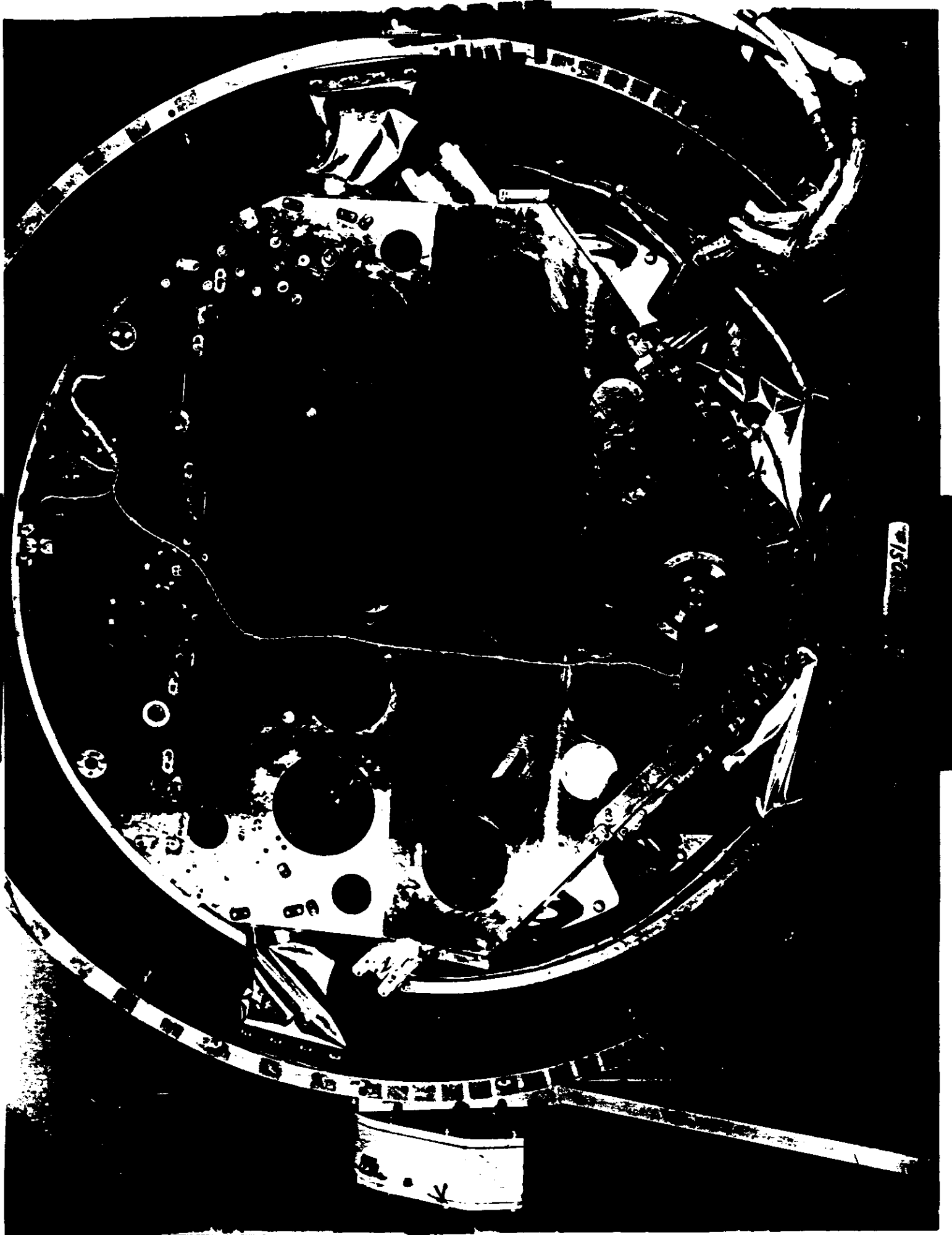


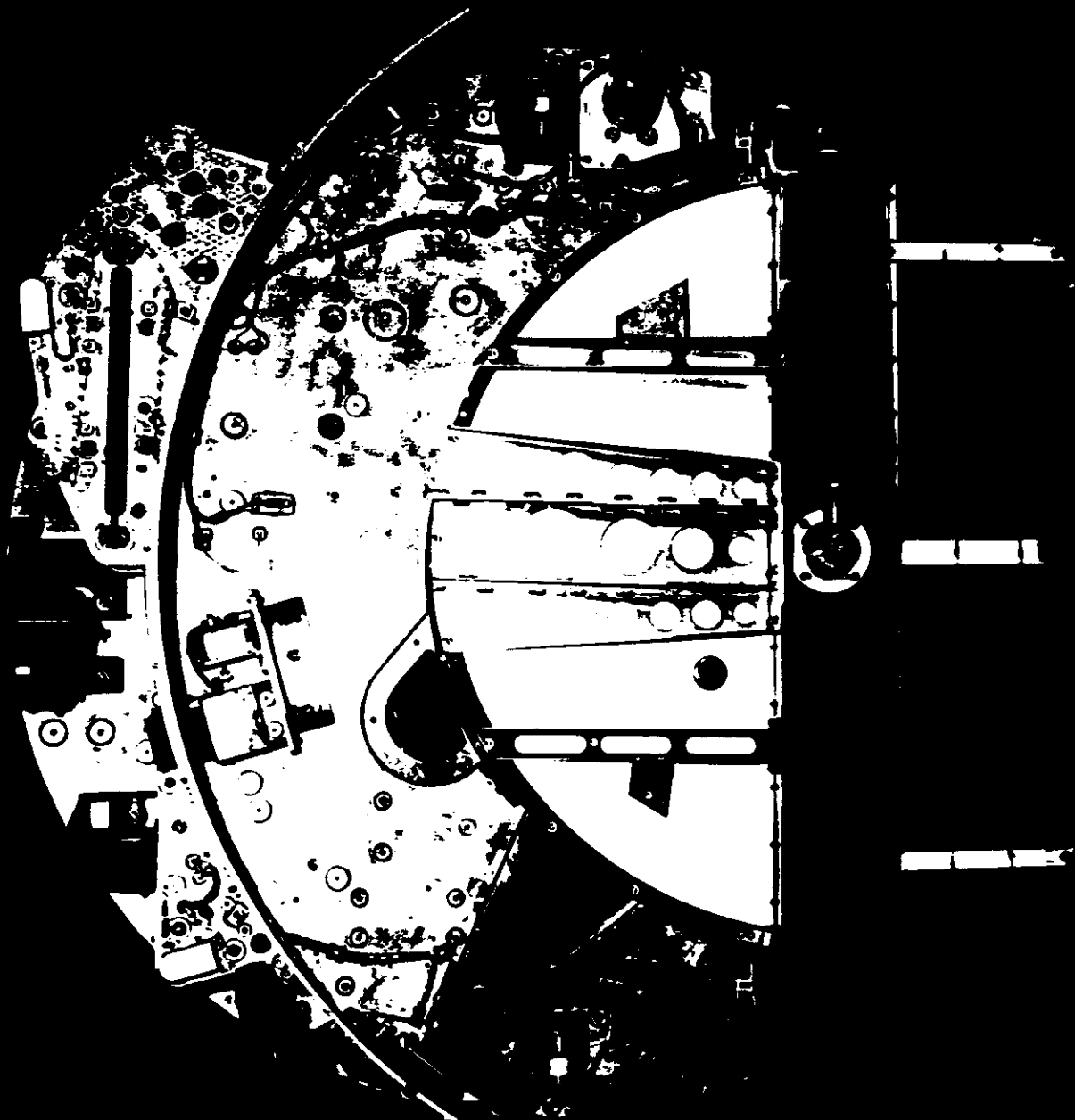
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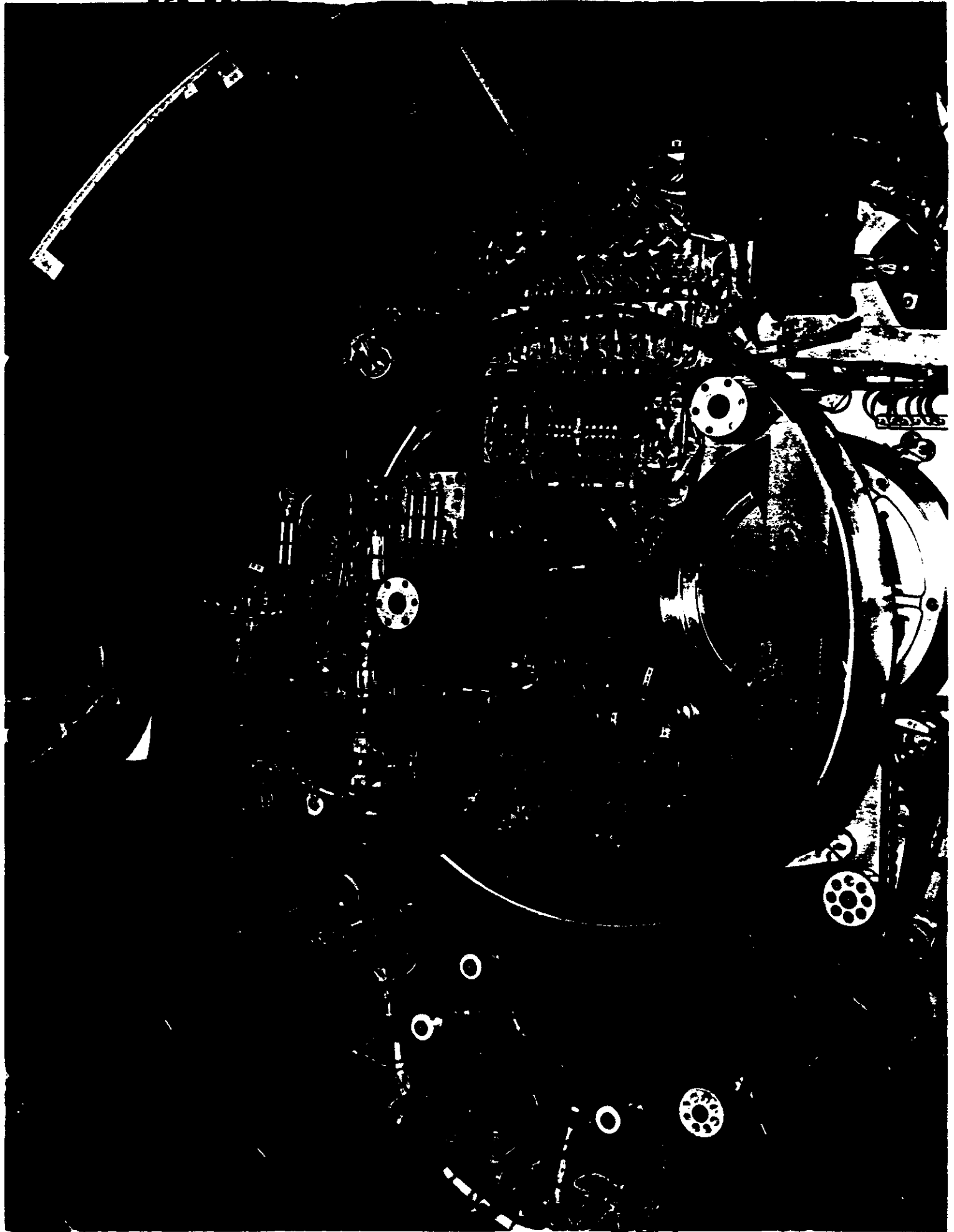
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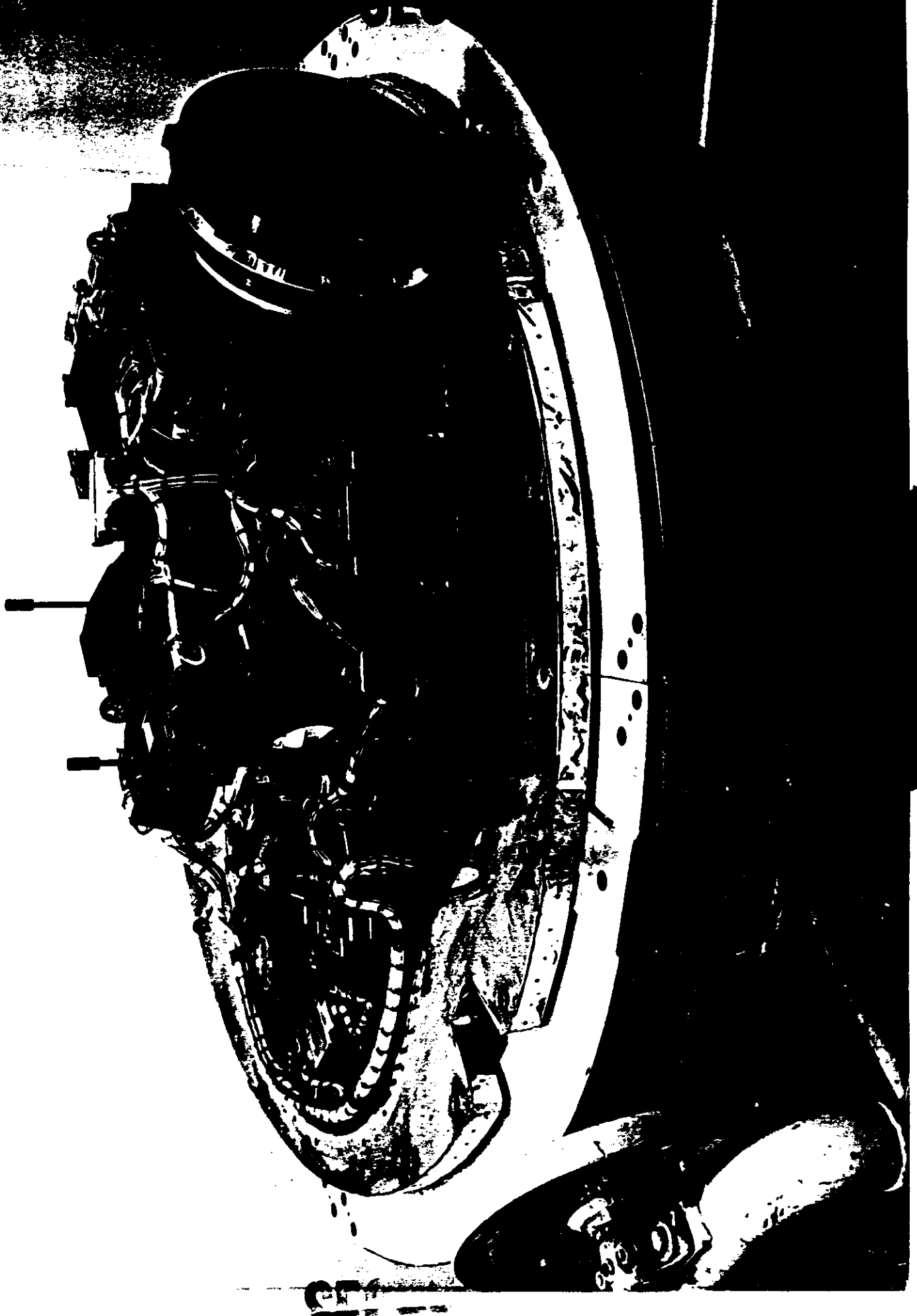
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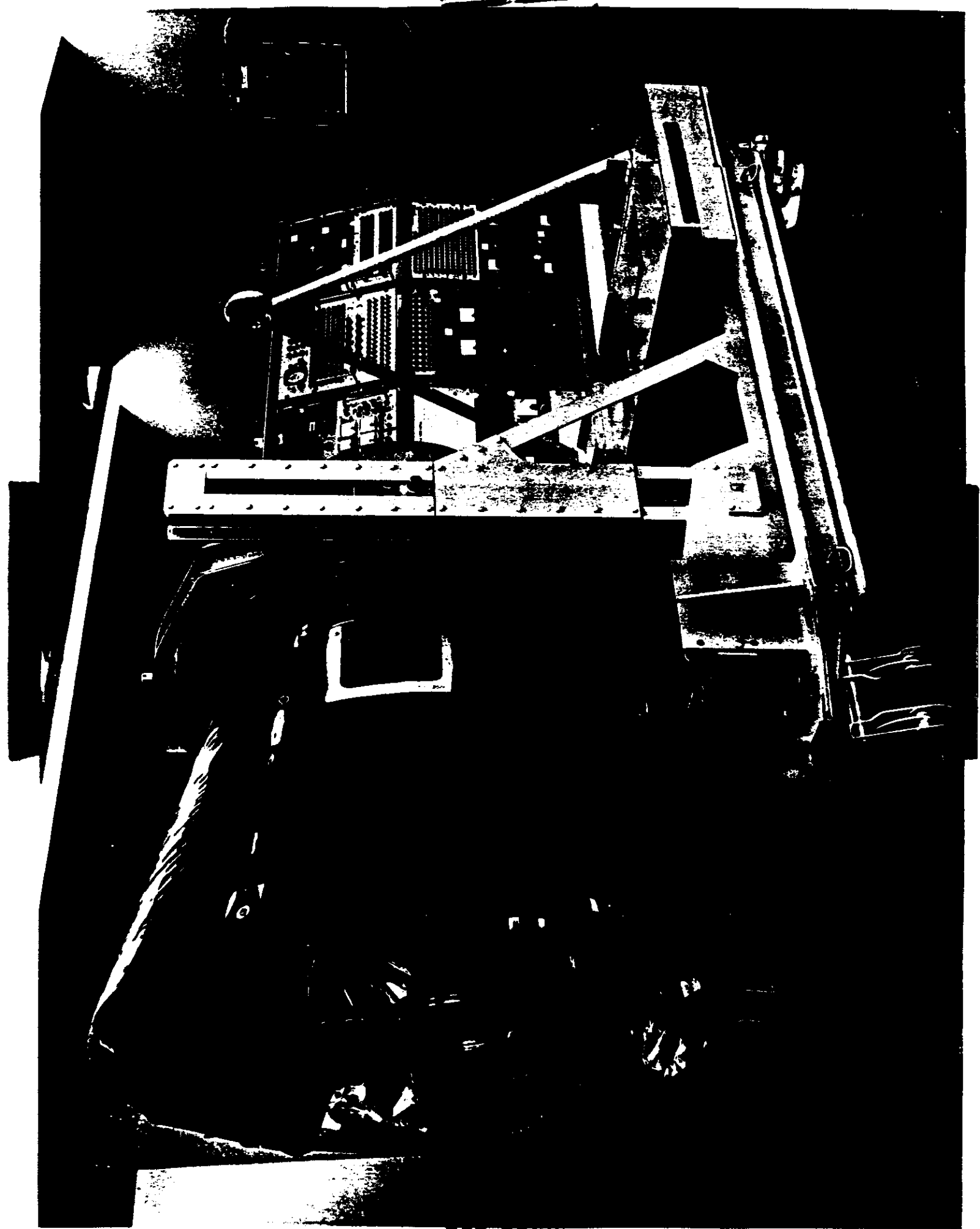


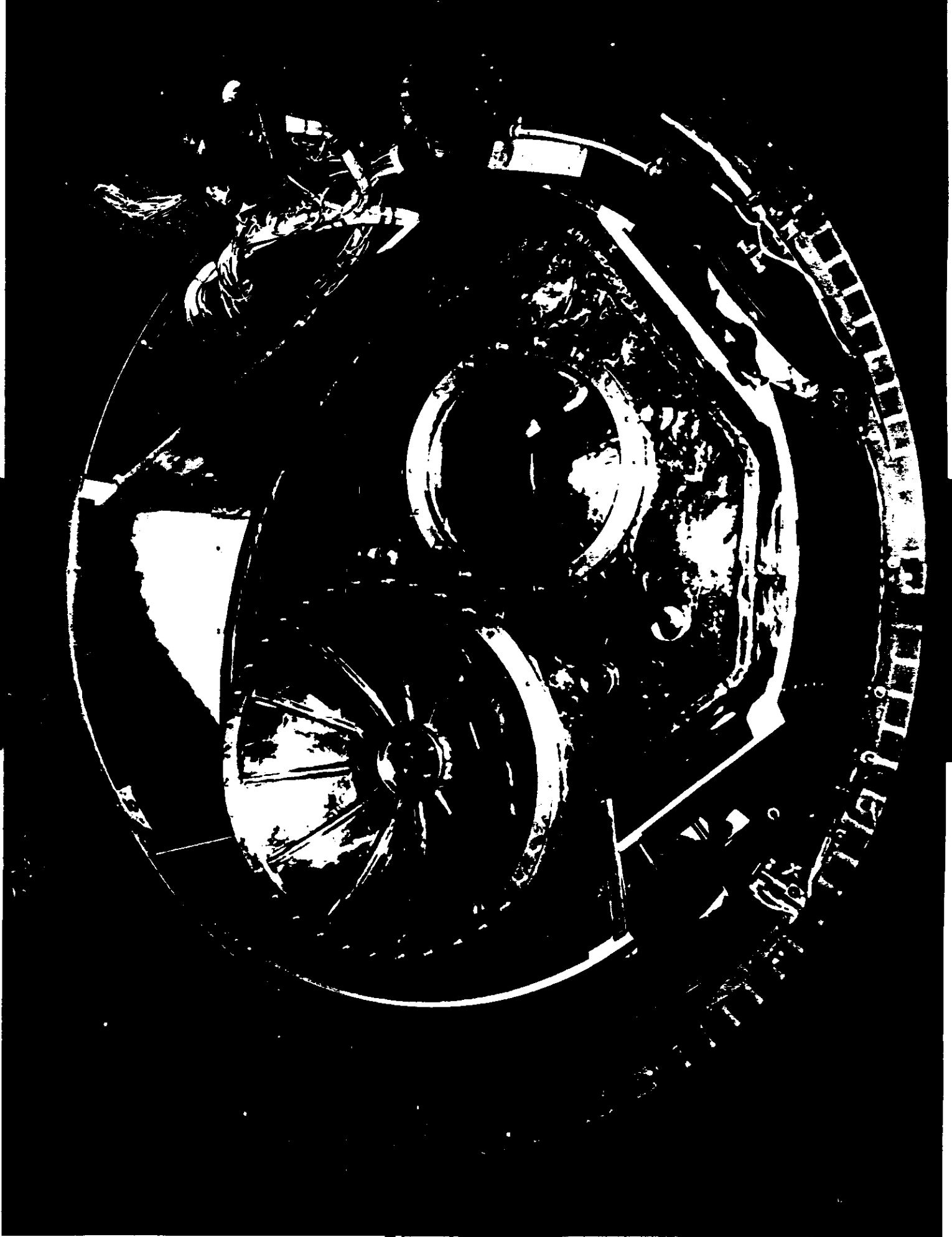


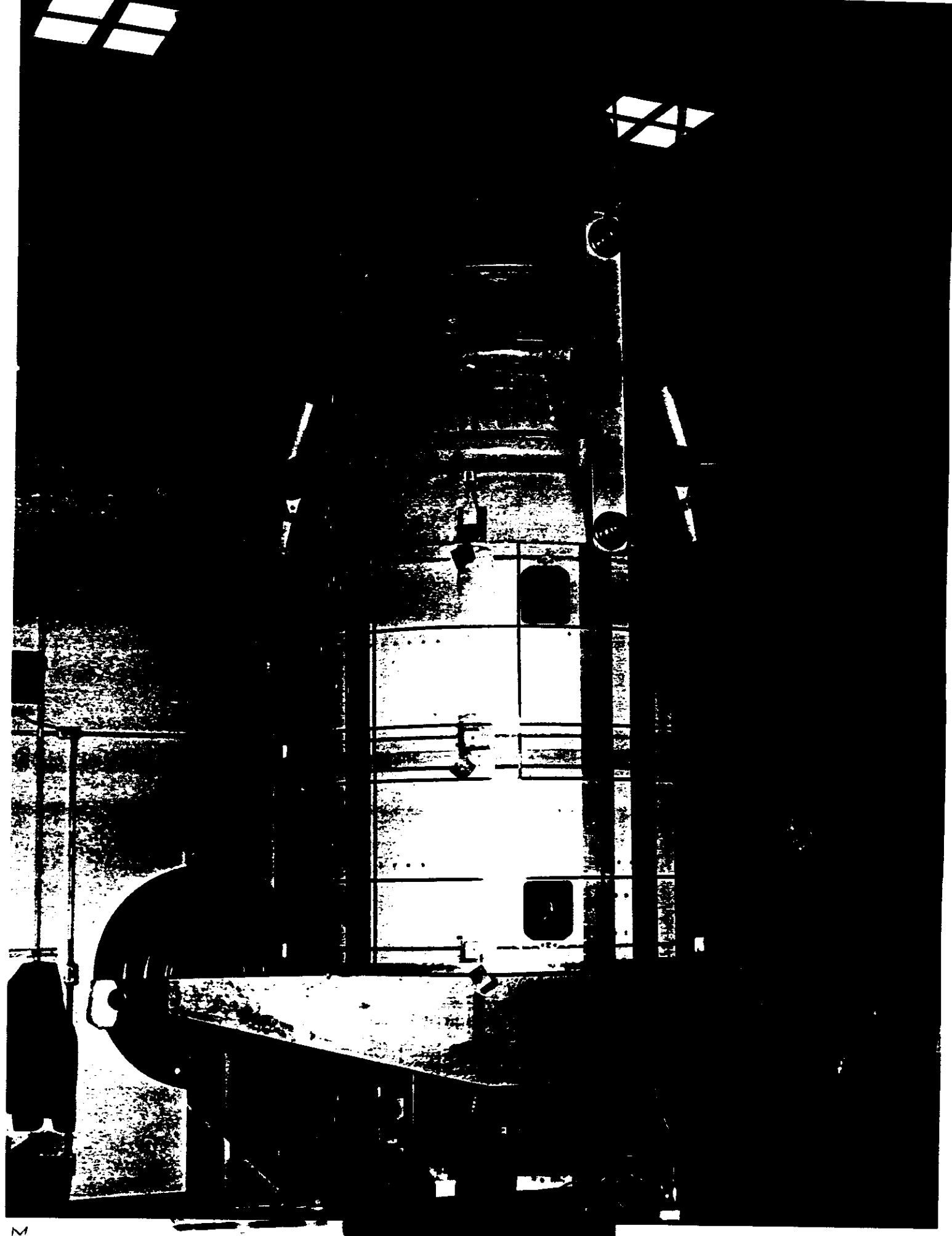
2 ↑
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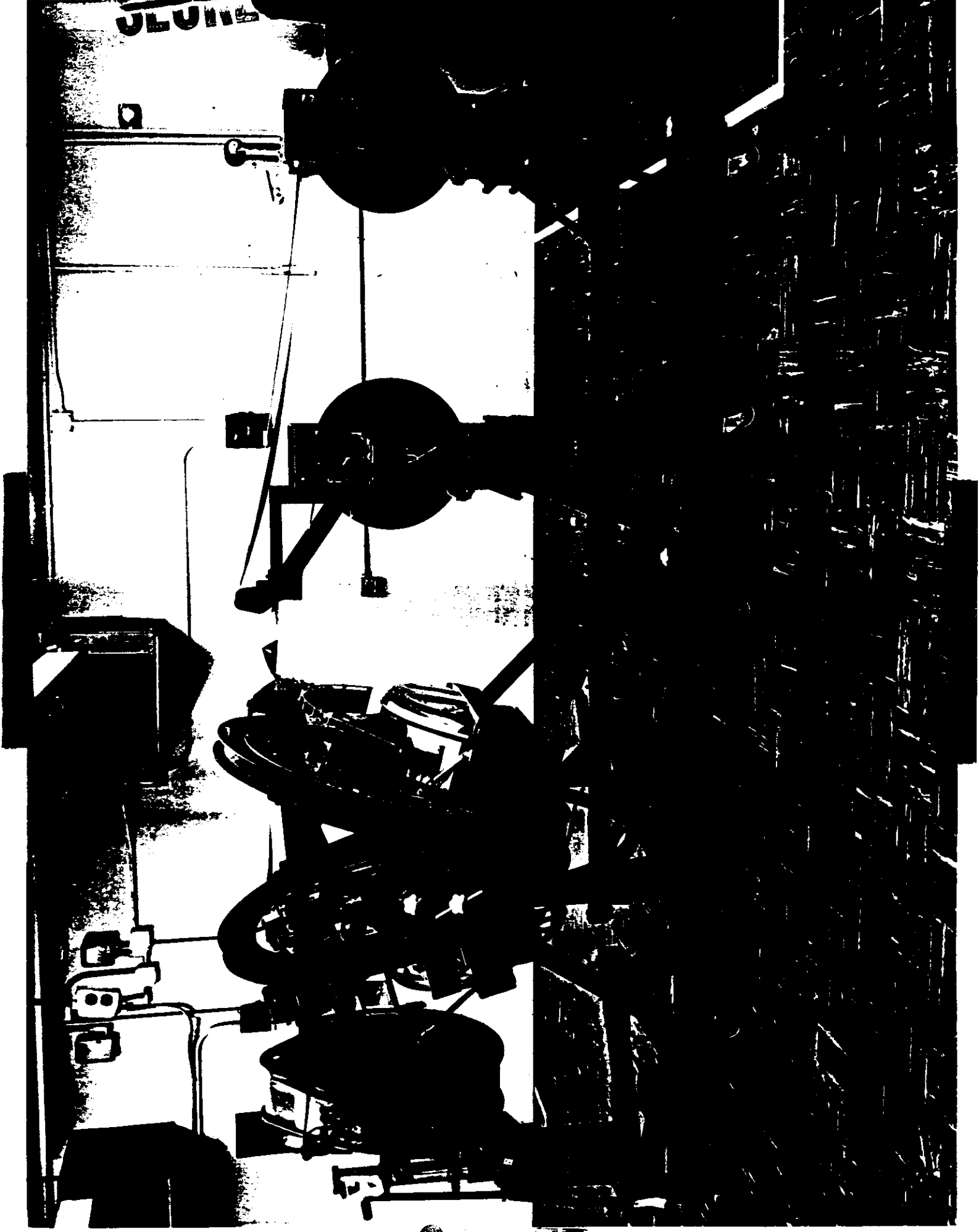


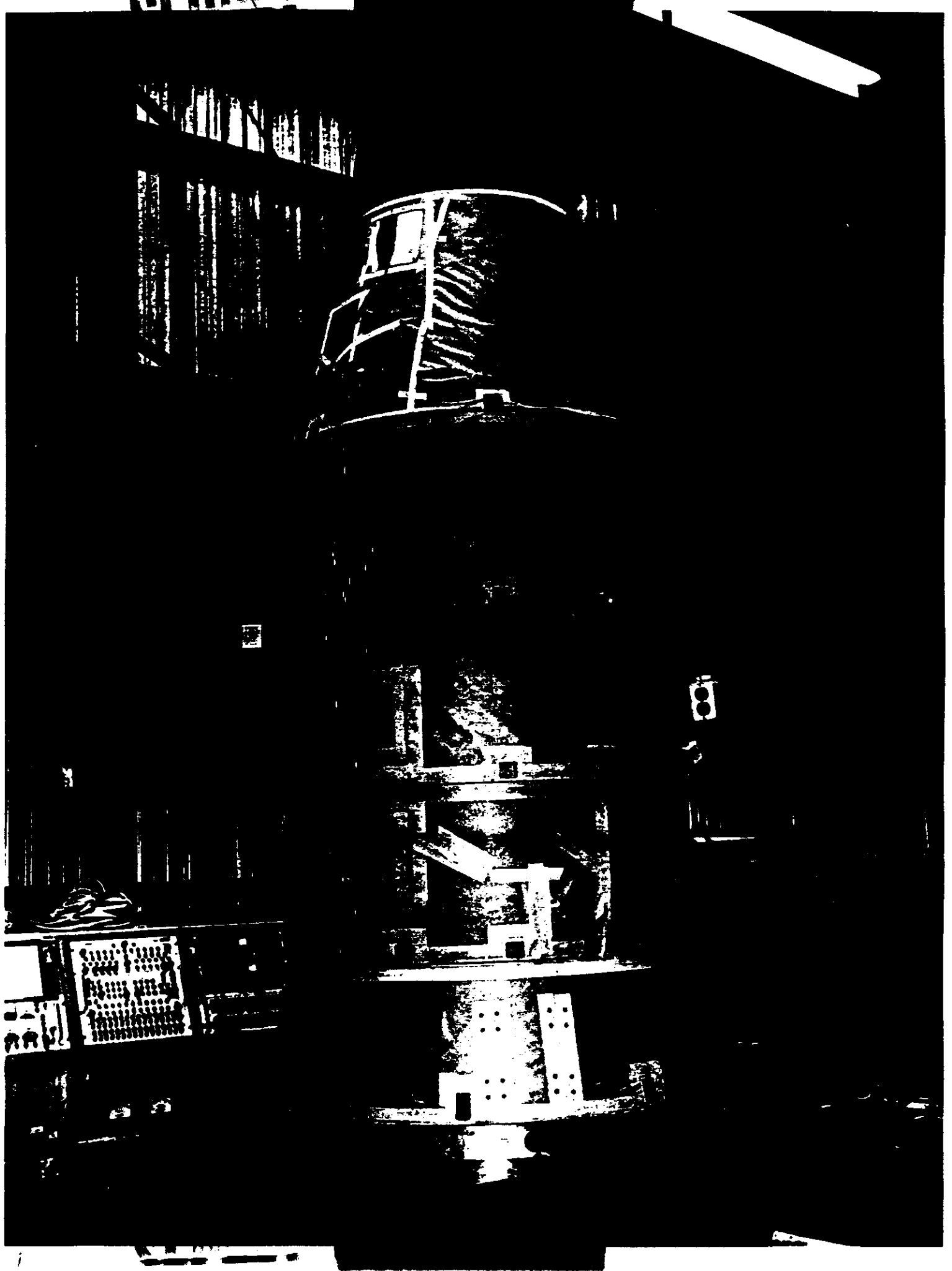




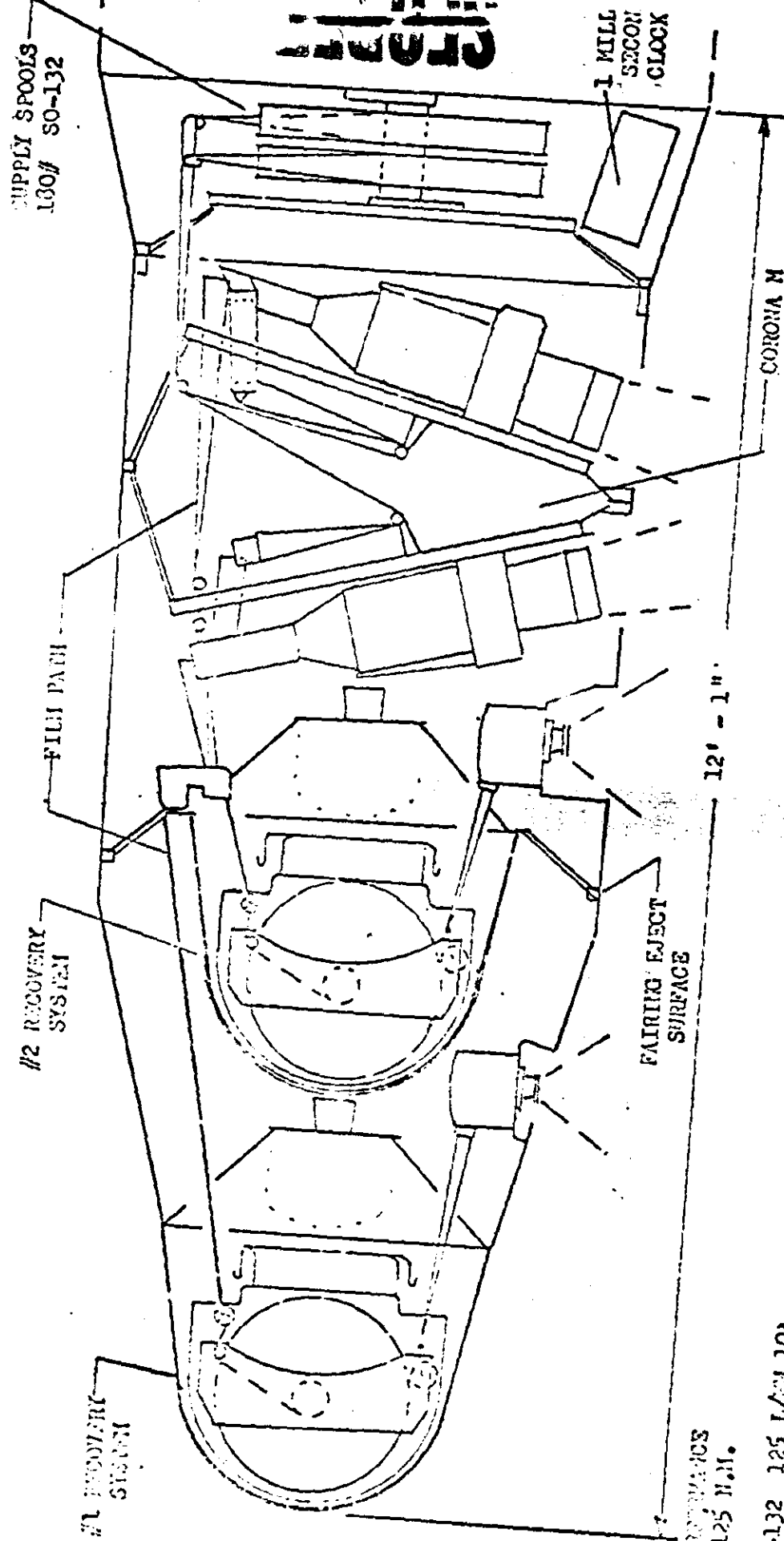


CLUB
JULY





CORONA J INBOARD PROFILE



SUPPLY SPOOLS
130# SO-132

#2 RECOVERY
SYSTEM

#1 RECOVERY
SYSTEM

FILM PATH

FAIRING EJECT
SURFACE

120 - 1"

CORONA M
CAMERA SUBSYSTEM

2 1/2" f/3.5 70° Scan Angle
100 H.M. Swath

1 MILL
SECOND
CLOCK

PERFORMANCE
125 H.M.

SO-132 125 L/M 10'
COVERAGE 13.6 H.M. 2'/ft.
STEREO

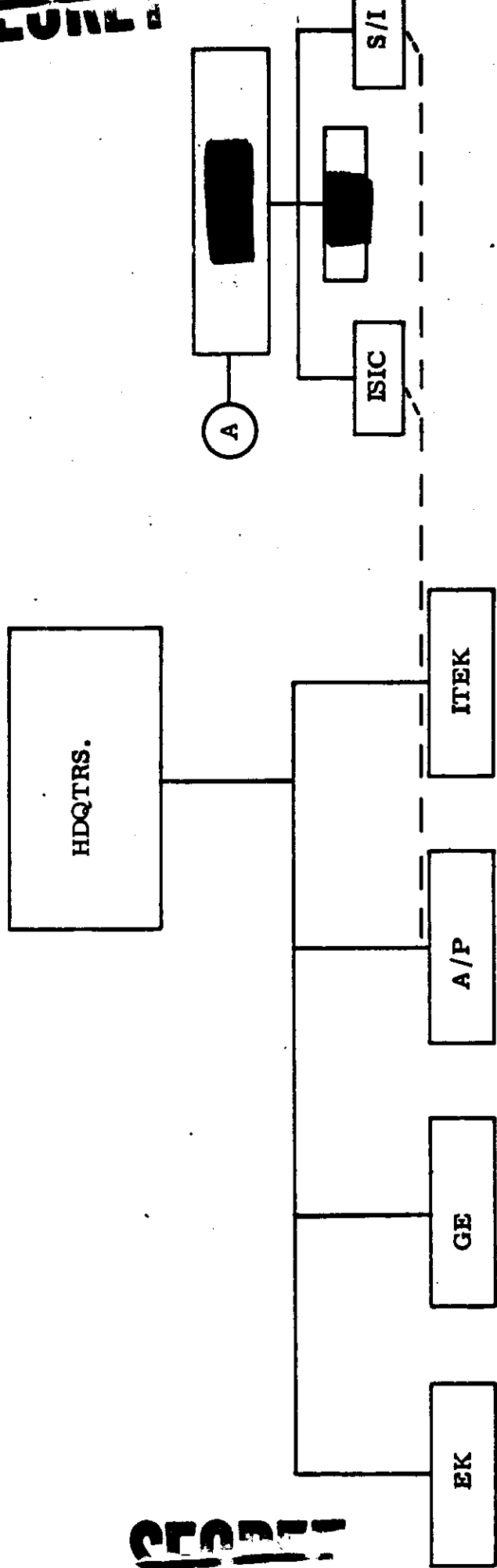
CORONA

CORONA



PRESENT CONTRACTURAL ARRANGEMENT.

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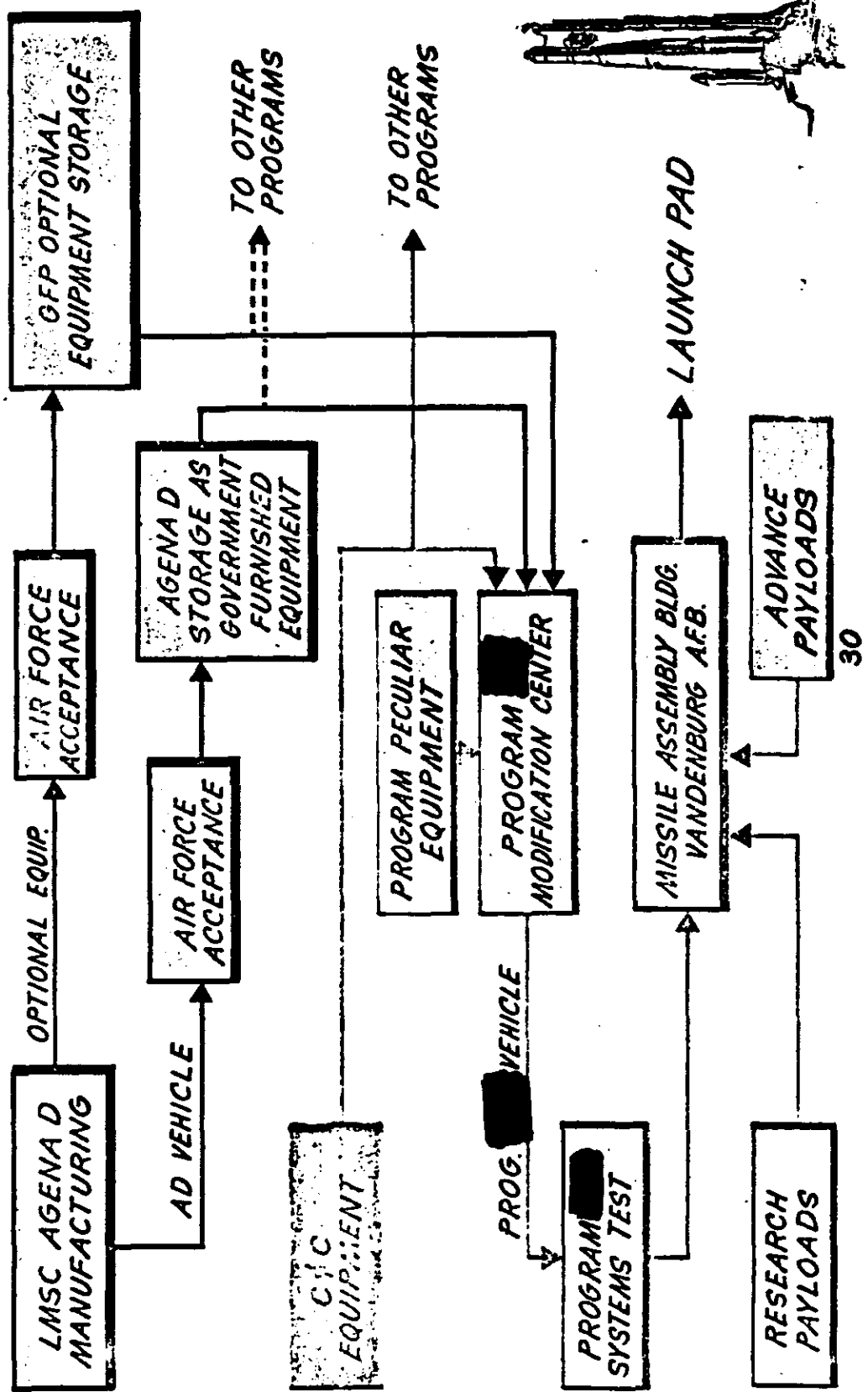
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PROCUREMENT SPANS

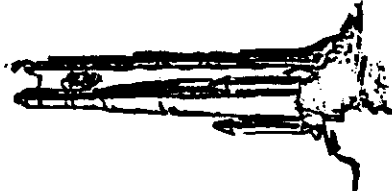
Contract	Program	1958	1959	1960	1961	1962	1963	1964	1965	1966
[REDACTED]	Corona	12 P/L								
[REDACTED]	Argon 1st Incr.		6 P/L							
[REDACTED]	Argon 2nd Incr.				3 P/L					
[REDACTED]	Argon 3rd Incr.					3 P/L				
[REDACTED]	Corona Prime		8 P/L							
[REDACTED]	Corona Triple			6 P/L						
[REDACTED]	Mural 1st Incr.				6 P/L					
[REDACTED]	Mural 2nd Incr.					4 P/L				
[REDACTED]	Mural 3rd Incr.					6 P/L				
[REDACTED]	Mural 4th Incr.					6 P/L				
[REDACTED]	Lanyard 1st Incr.						5 P/L 2 Term.			
[REDACTED]	Lanyard 2nd Incr.						3 P/L Term.			
[REDACTED]	Mural/J						20 P/L			
[REDACTED]	Mural						6 P/L			
[REDACTED]	Argon							4 P/L 2 Term.		
[REDACTED]	Lanyard							5 P/L Term.		
[REDACTED]	Mural/J								19 P/L	
[REDACTED]	Mult. Veh. Prog.									
[REDACTED]	Related Veh. Prog.			20 Veh.						
[REDACTED]	Related Veh. Prog.				20 Veh.					
[REDACTED]	Related Veh. Prog.					13 Veh.				
[REDACTED]	Related Veh. Prog.						5 Veh.			
[REDACTED]	Related Veh. Prog.							14 Veh.		
[REDACTED]	Related Veh. Prog.								24 Veh.	
[REDACTED]	Related Veh. Prog.									10 Veh.

PROGRAM █████ AGENA D VEHICLE FLOW



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PROGRAM ACCOMPLISHMENTS (U)

- FIRST POLAR ORBITING SATELLITE 2-28-59
- FIRST SATELLITE STABILIZED ON ALL THREE AXES 4-13-59
- FIRST SATELLITE PROGRAMMED TO CHANGE ATTITUDE ON ORBIT 4-13-59
- FIRST SURFACE RECOVERY OF SATELLITE PAYLOAD 8-10-60
- FIRST AIR RECOVERY OF SATELLITE PAYLOAD 8-18-60
- FIRST ENGINE RESTART ON ORBIT 2-18-61
- FIRST DUAL RECOVERY 2-18-64 & 2-22-64
- OPERATIONAL DEVELOPMENTS
- INCREASED OPERATING ON ORBIT LIFE FROM 1 TO 11 DAYS
- DEACTIVE - REACTIVATE CAPABILITY
- THRUST AUGMENTED THOR INTRODUCTION
- PIGGY BACK & FIRST OPERATIONAL FLIGHTS OF ALL NEW & IMPROVED AGENA EQUIPMENTS
- IMPROVED AIR RECOVERY EQUIPMENT AND TECHNIQUES
- IMPROVED WEIGHT INCREASED FROM 330 LBS. TO 1600 LBS
- PAYLOAD VERSATILITY INCREASED
- SUBSATELLITE SUCCESSFULLY DEMONSTRATED

	1959	1960	1961	1962	1963	1964	1965	TOTALS
LAUNCHES	8	11	17	22	17	15	3	93
RECOVERIES	0	4	7	16	12	23	6	68

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A LOCKHEED CORPORATION

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DECLASSIFIED AT 08-14-2008
DOB 010 5200 10

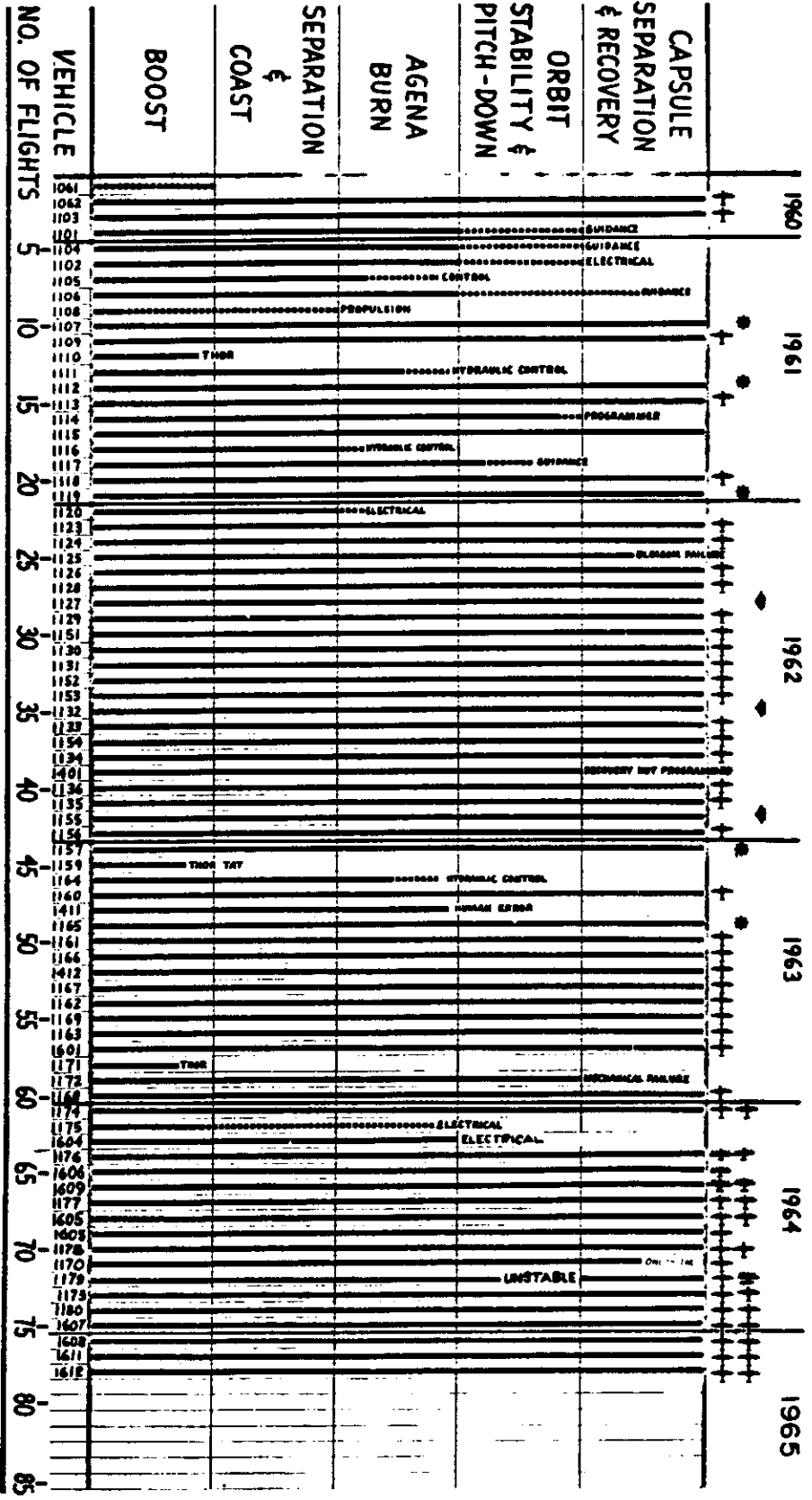
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PROGRAM [REDACTED] FLIGHT SUMMARY (U)



LEGEND:

- S-01
- SS-01A
- S-01B
- AGENA FAILURE
- AIR RECOVERY
- SEA RECOVERY
- CAPSULE SANK

AGENA A
15 FLIGHTS
JAN 1959 - SEPT 1960

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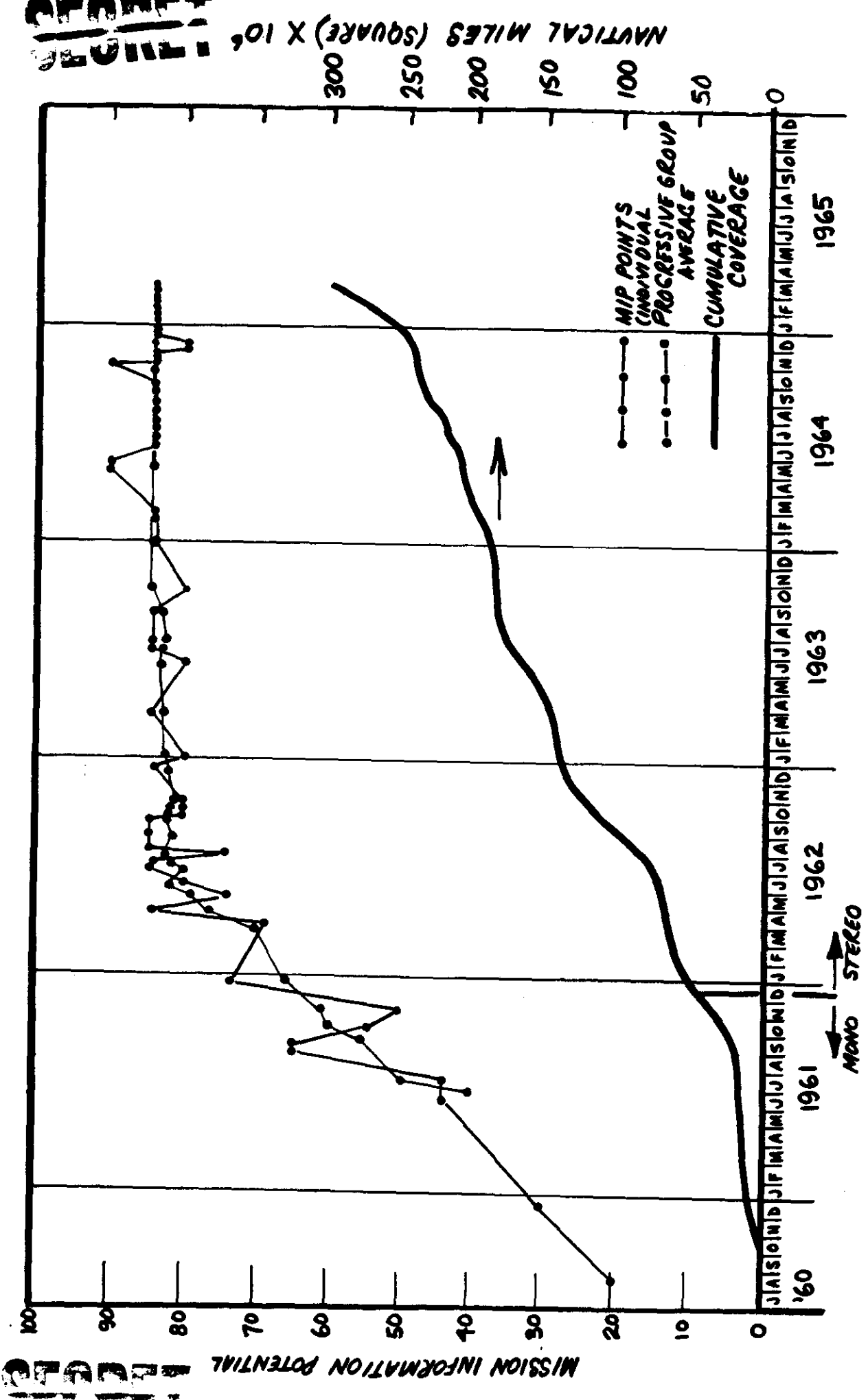
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A DIVISION OF LOCKHEED CORPORATION

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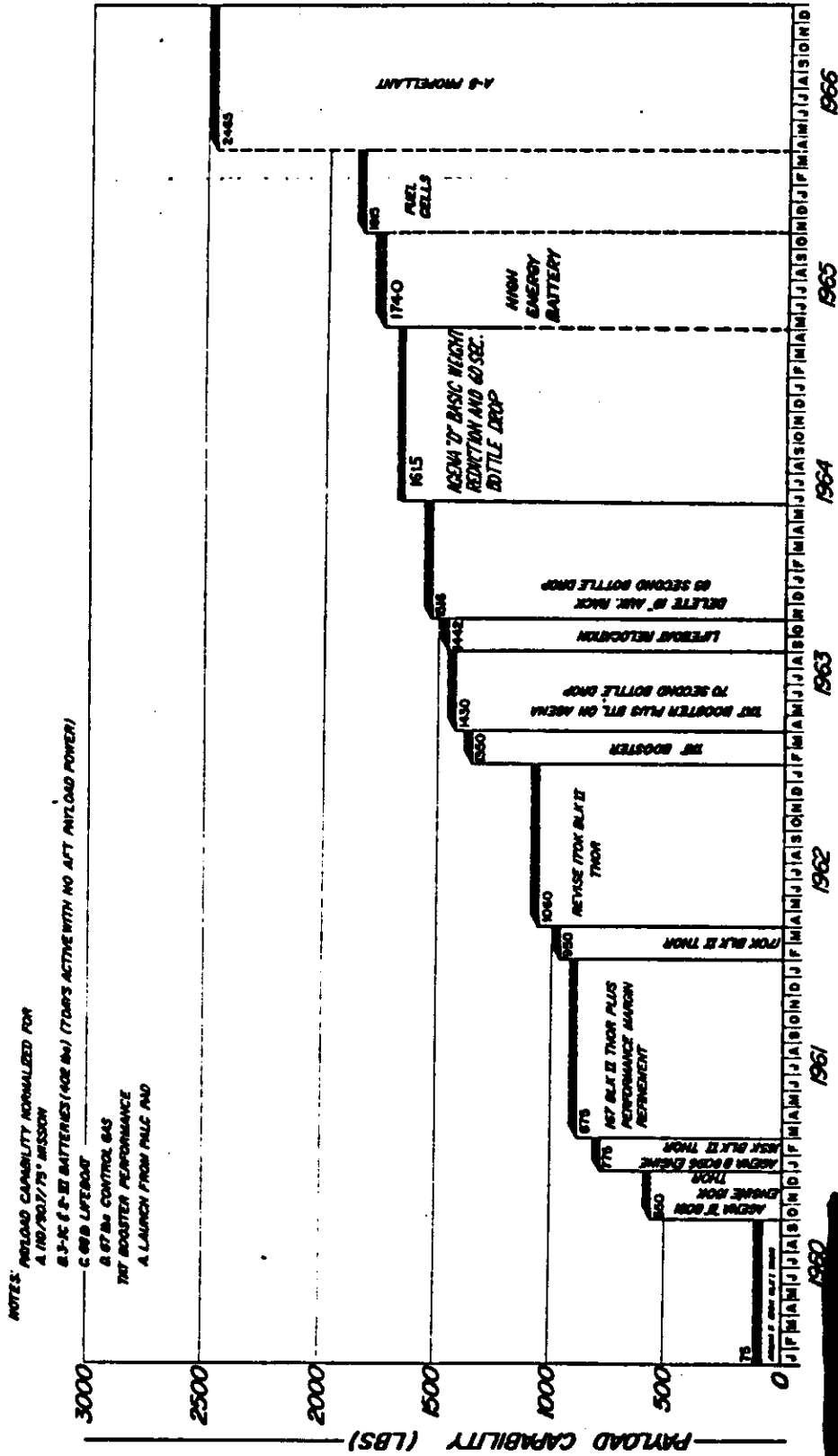
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QUALITY OF PRODUCT



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PAYLOAD CAPABILITY TREND (U)



NOTES:
 PAYLOAD CAPABILITY NORMALIZED FOR
 A 10/100/75° MISSION
 8.5-16 (2-3) BATTERIES (402 IN) (TOWS ACTIVE WITH NO AFT PAYLOAD POWER)
 C-99B LIFEBOAT
 8.97M CONTROL GAS
 THE BOOSTER PERFORMANCE
 A LAUNCH FROM PULC AND

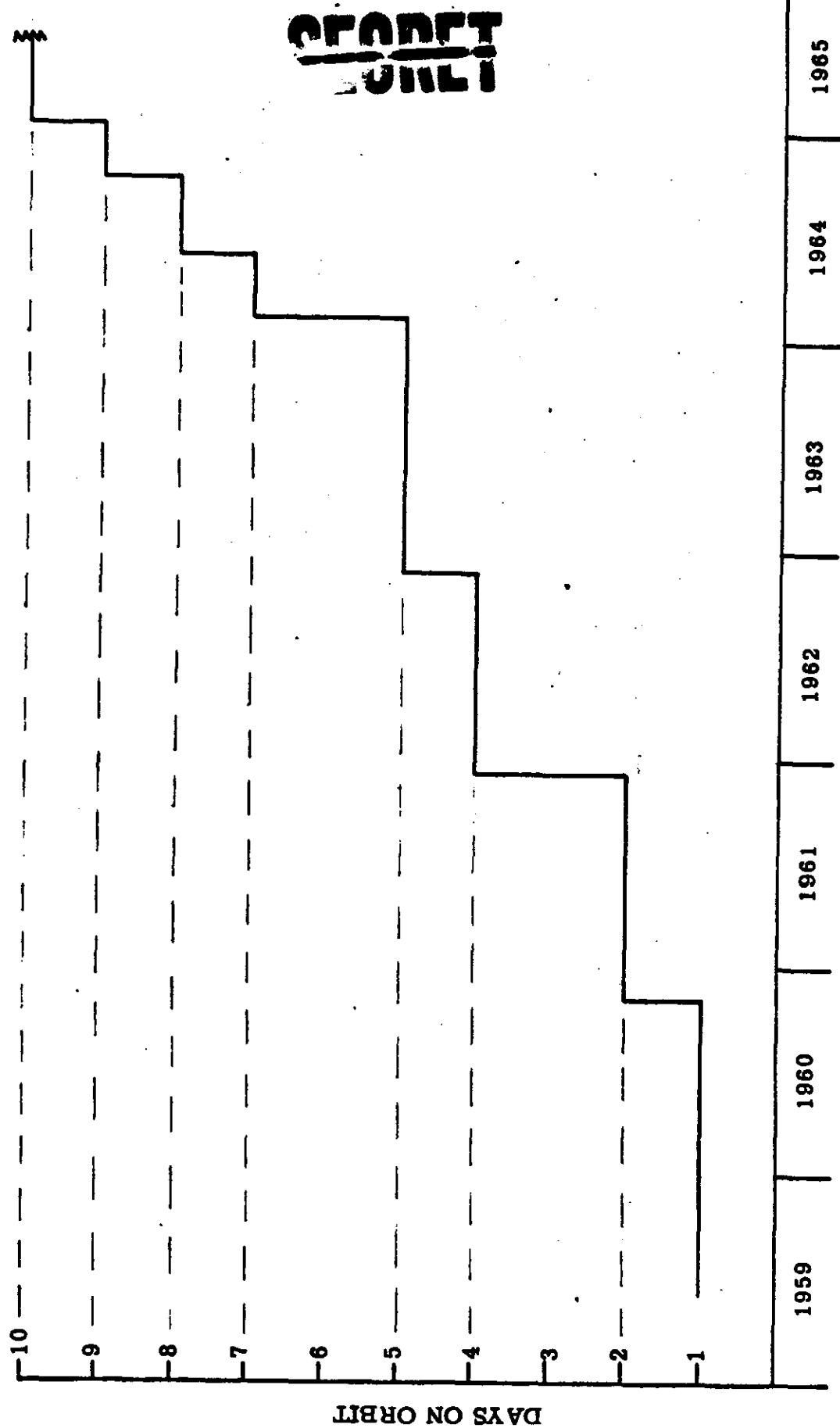
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P/L ACTUAL DAYS ON ORBIT
VS TIME



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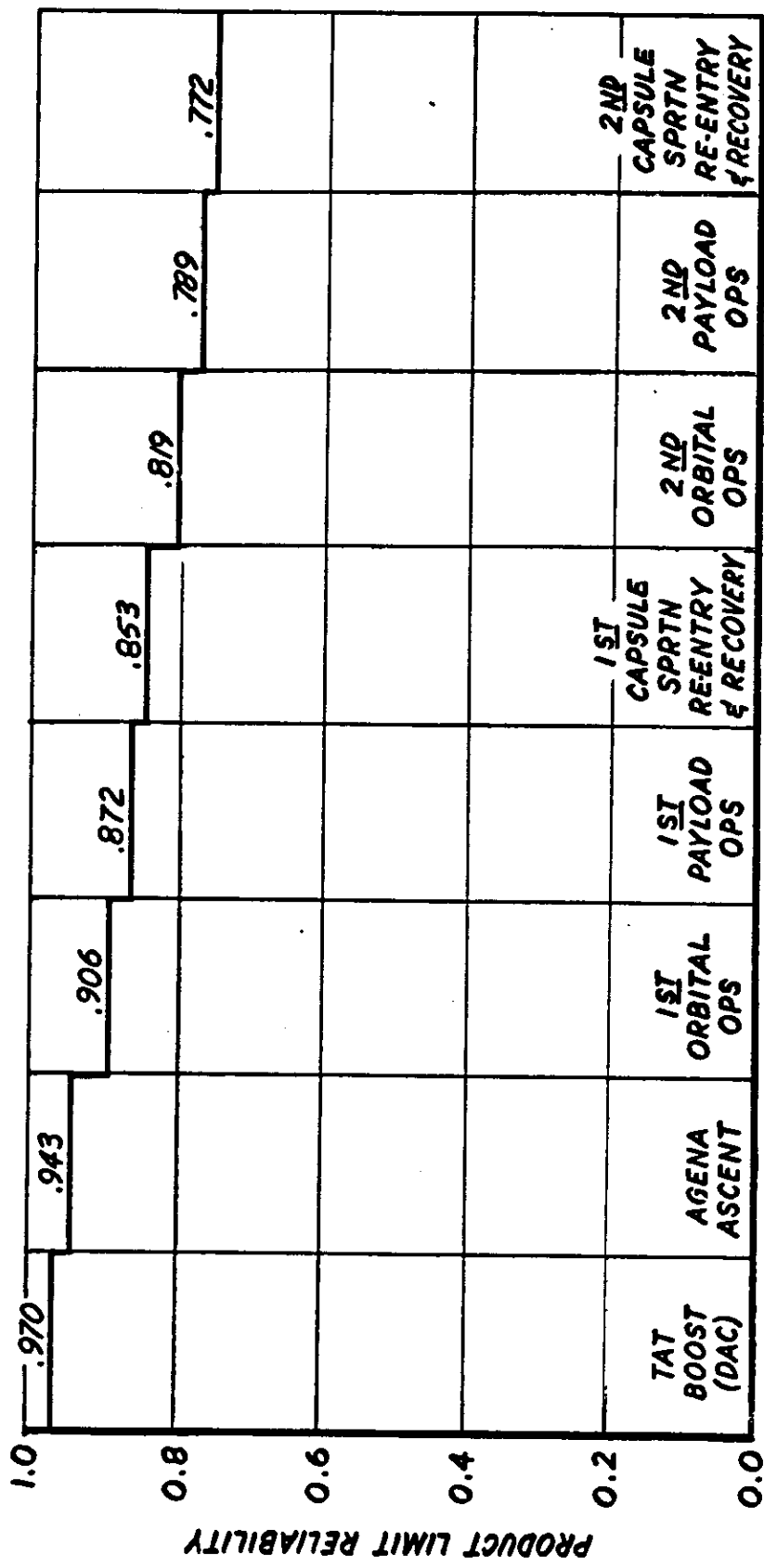
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PROG [REDACTED] MISSION RELIABILITY PREDICTION (W)

FROM [REDACTED] STD AGENA D FLIGHT EXPERIENCE, PLUS DUAL RECOVERY



ATTEMPTS: 33
 SUCCESSES: 32
 FAILURES: 1
 SUCCESS RATIO: 0.970

AGENA ASCENT: 36
 @ 4-DAYS: R=0.960
 1ST ORBITAL OPS: 45
 @ 4-DAYS: R=0.963
 1ST PAYLOAD OPS: 1, 0
 @ 4-DAYS: R=0.978
 1ST CAPSULE SPRTN REENTRY & RECOVERY: 46
 @ 4-DAYS: R=0.960
 2ND ORBITAL OPS: 45
 @ 4-DAYS: R=0.963
 2ND PAYLOAD OPS: 1, 0
 @ 4-DAYS: R=0.978
 2ND CAPSULE SPRTN RE-ENTRY & RECOVERY: 46
 @ 4-DAYS: R=0.963

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PROGRAMS/PROPOSALS INITIATED BY A/P

<u>PROGRAM</u>	<u>DATE OF PRESENTATION</u>	<u>STATUS</u>
MURAL	1-61	COMPLETED
CORONA J	4-62	ACTIVE
M ₂ (40" F.L. 5' G.R.)	10-62	CONCEPT UTILIZED ELSEWHERE
[REDACTED]	4-64	CURRENT INTEREST
H (E4 Mapping)	2-63	NO ACTIVE INTEREST
QR ² (Quick Reaction, Incremental REC.)	8-63	CURRENT INTEREST
[REDACTED]	11-63	INACTIVE
OTHER PROGRAMS		
LANYARD		3 FLTS. TERMINATED
ARGON		10 FLTS. TERMINATED

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IMPROVED STELLAR INDEX CAMERA AND SYSTEMS INTEGRATION CONTRACTS

Contractual History as of 23 April 1965

1964 1965
J J A S O N D J F M A

Price Proposals, Work Statements and Requirements
Specifications submitted to [REDACTED]

x

Contracts negotiated with [REDACTED]
C. P. F. F. Values:

x

ISIC
SI

Unsigned contracts received from [REDACTED]

x

LMSC requested by H. Q. not to sign contracts

x

Periodic inquiries made to [REDACTED] and to H. Q.
as to status of contractual jurisdiction

x x x x x x x x x x

Discussions by LMSC Management with [REDACTED]
and H. Q. re status of contracts

x x x x x

Request by H. Q. to submit draft contracts, W/S & Req. Specs.

x

LMSC advised of intent of H. Q. to award contracts

x

H. Q. advised that LMSC preferred not to execute contracts
until contractual jurisdiction established

x

Pre-contractual exposure as of 23 April 1965

ISIC
SI

[REDACTED]

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SECRET