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BUREAU OF SHIPS GROUP

TECHNICAL INSPECTION REPORT

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By Authority of Joint Chiefs of Staff (Action 15 Apr 49)
By John Blagden Capt Date 1 May 51
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U.S.S. SKATE (SS305)

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TECHNICAL INSPECTION REPORT

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USS SKATE (SS305)

Page 1 of 93 Pages

GROUP 3
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1965



AA-CR-549-664-11. SKATE lying to in vicinity of flagship during inspection by Vice Admiral W.H.P. BLANDY.



AA-CR-517-2396-9. SKATE underway for test of machinery.

SECRET

Page 3 of 93 Pages

USS SKATE (SS305)

5161



AA-CR-1749-8. General view looking forward from forward gun foundation. Note low salvage fitting for forward battery compartment.

SECRET

Page 4 of 93 Pages

USS SKATE (SS305)

5161



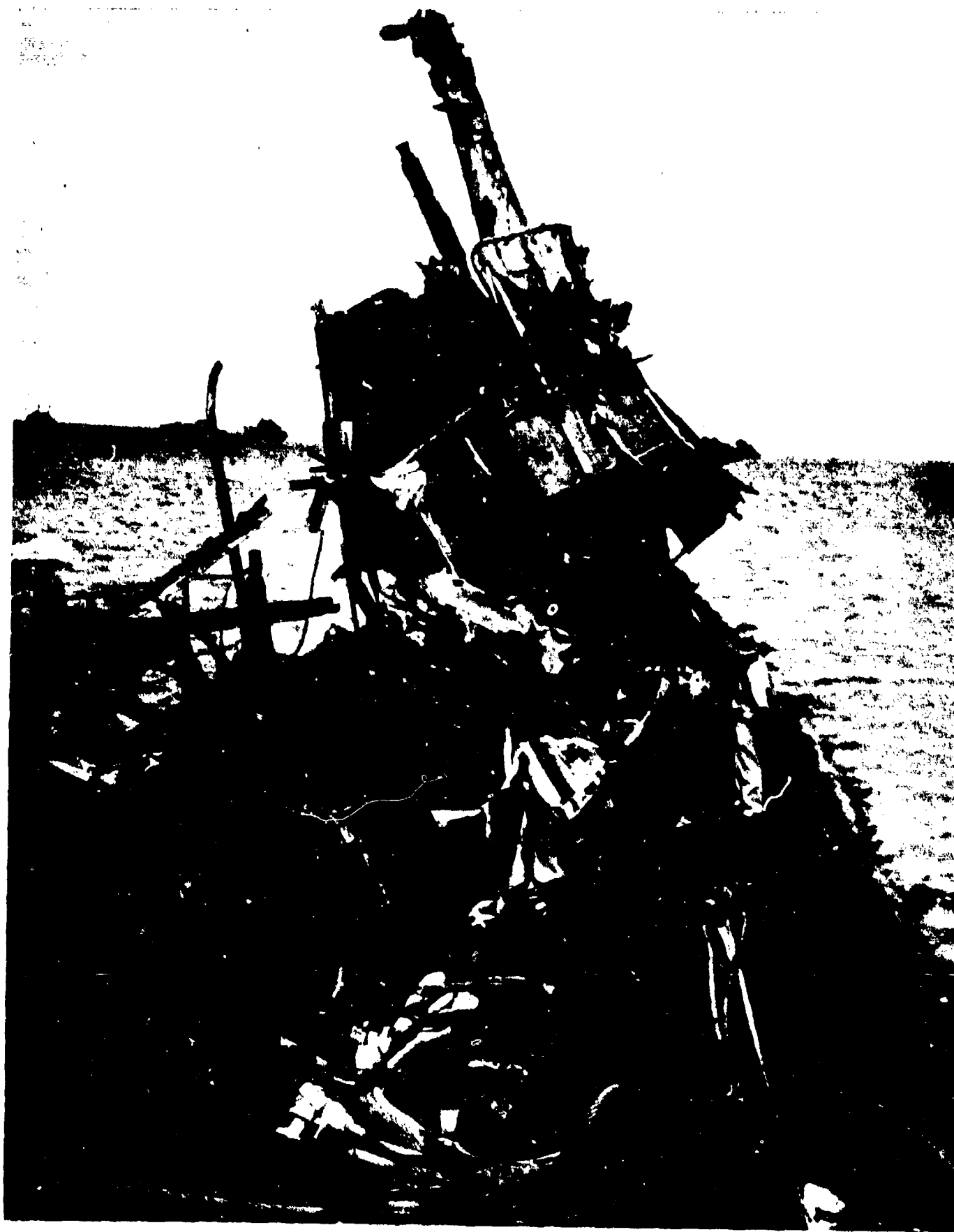
AA-CR-68-1749-12. General view looking aft from periscope shears.

SECRET

Page 5 of 93 Pages

USS SKATE (SS305)

5161



AA-CR-68-1749-3. General view looking aft from port side of bow.

SECRET

Page 6 of 93 Pages

USS SKATE (SS305)

5161

Previous page was blank, therefore not filmed.



AA-CR-68-1752-4. General view of bridge looking forward room periscope shears. Note cracked CRS weld. Wings of bridge folded forward.

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Page 8 of 93 Pages

USS SKATE (SS301)

5161



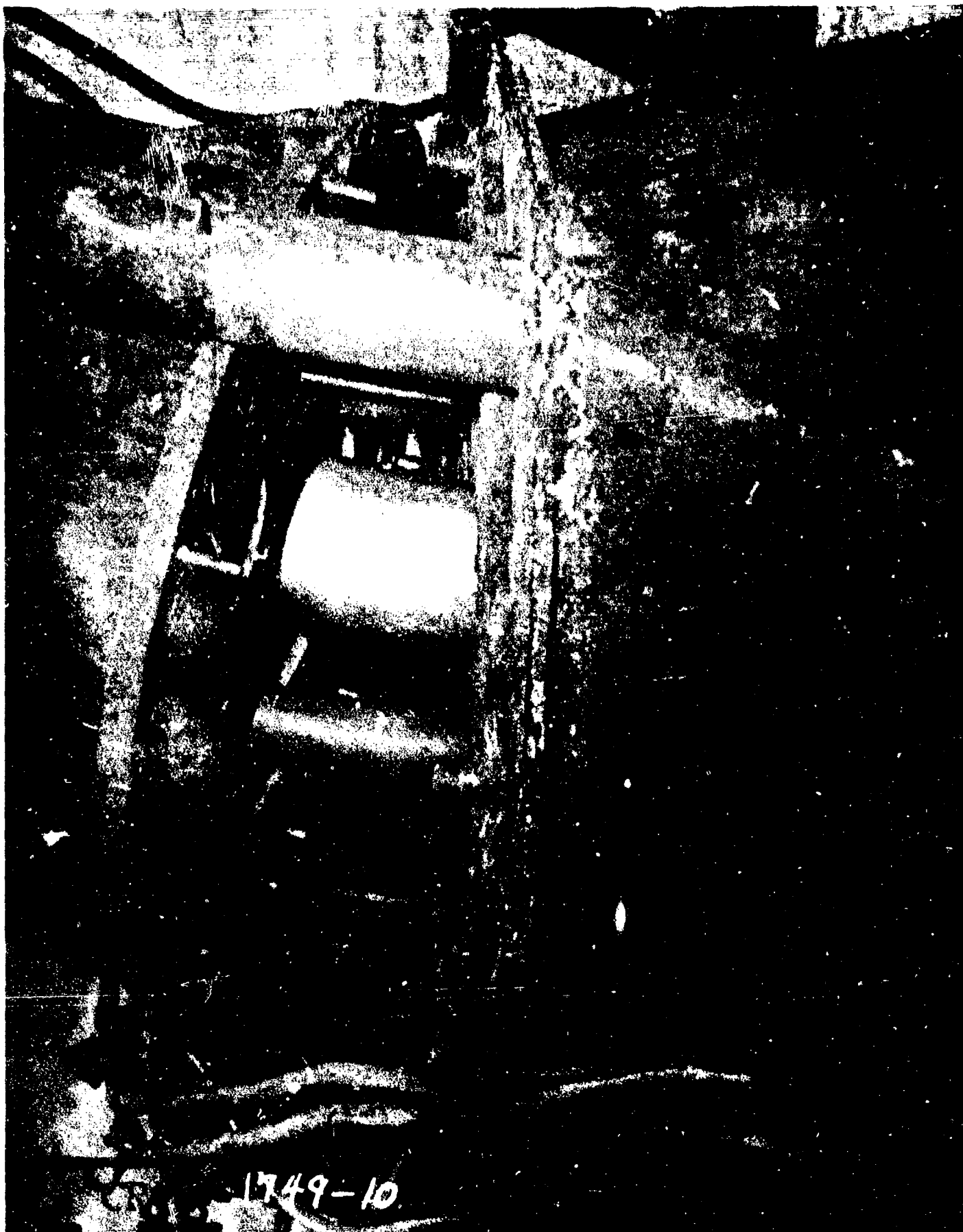
AA-CR-68-1749-' General view of bridge looking aft from forward
gun foundation. Note collapsed 40MM gun.

SECRET

Page 9 of 93 Pages

USS SKATE (SS30)

5161



AA-CR-08-1749-10. Failure of flange connection at foot of periscope
shears looking forward.

SECRET

Page 10 of 93 Pages

USS SKATE (SS306)

5161



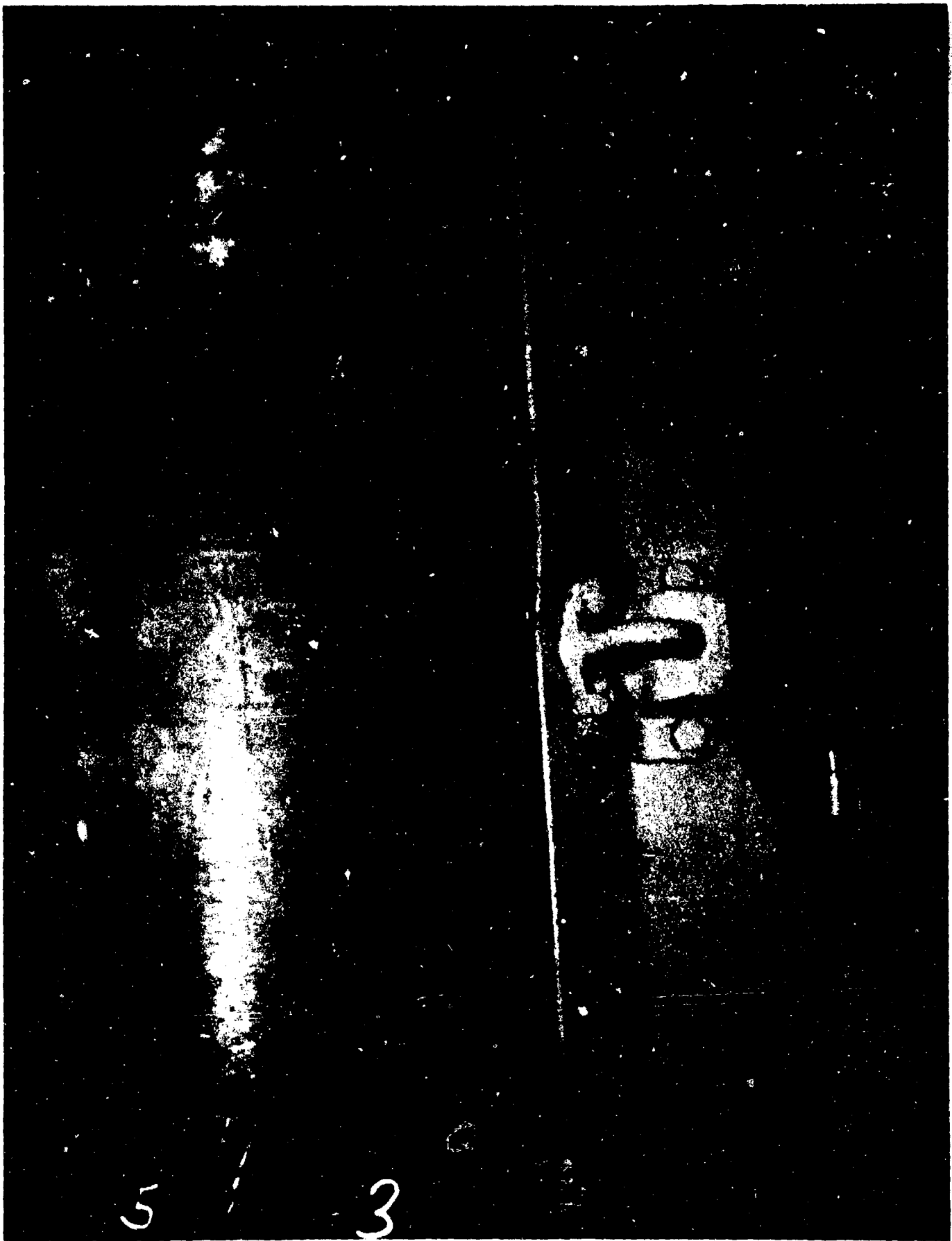
AA-CR-68-1751-11. Failure of SD radar mast shears just above flange.

SECRET

Page 11 of 93 Pages

USS SKATE (SS305)

5161



AA-CR-59-2055-3. Stowage cradle for #7 torpedo tube showing bend in side plate.

SECRET

Page 12 of 93 Pages

USS SKATE (SS306)

5161



AA-CR-59-2011-9. Frame 55 port looking forward. Fillet weld attacking flange of frame to hull plating, chipped away in way of crack. Note blanked off salvage connection to M.B.T. 2D.

SECRET

USS SKATE (SS301)

Page 13 of 93 Pages

5161



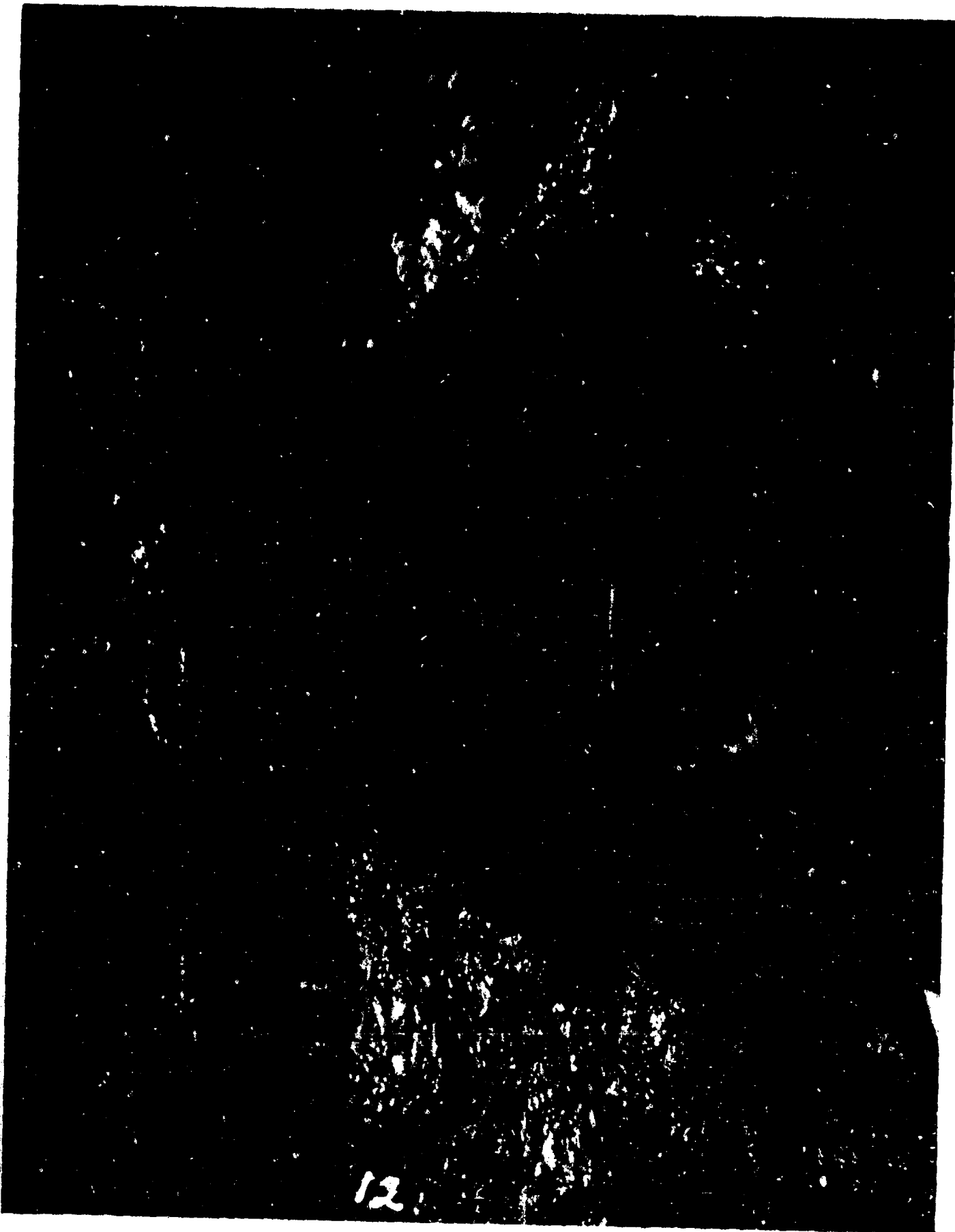
AA-CR-59-2011-8. View of stern and No. 7 and 8 torpedo tube shutters.

SECRET

Page 14 of 93 Pages

USS SKATE (SS306)

5161



AA-CR-59-2057-12. Stern, showing offset aft of frame 132. Note slight clockwise rotation of damaged section.

SECRET

Page 15 of 93 Pages

USS SKATE (SS305)

5161



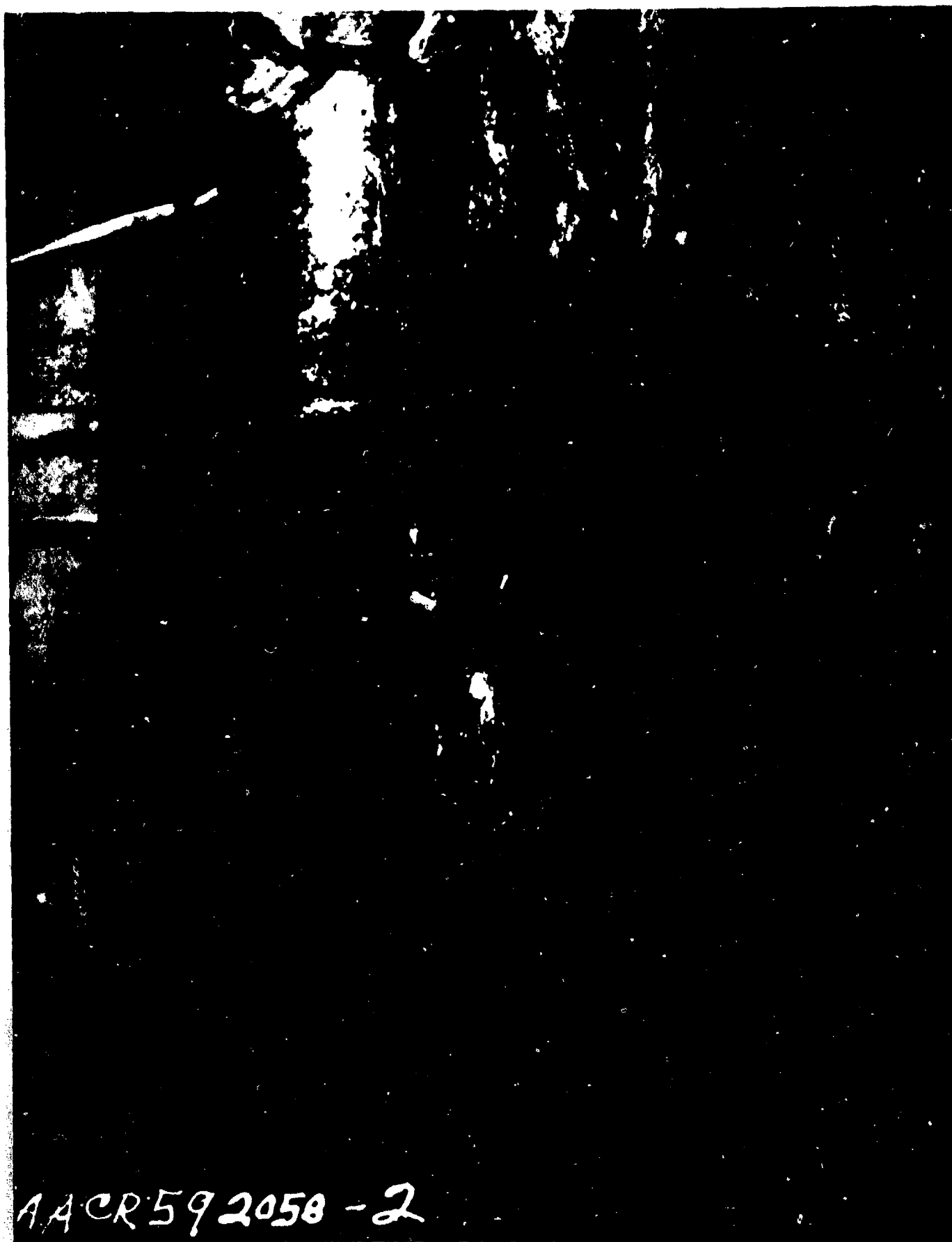
AA-CR-59-2058-1. Stern, showing offset of stern and No. 8 shutter forced in against centerline girder.

SECRET

Page 16 of 93 Pages

USS SKATE (SS306)

5161



AA-CR-59-2058-2. Stern, showing offset and No. 7 shutter forced in and distorted.

SECRET

Page 17 of 93 Pages

USS SKATE (SS305)

5161



AA-CR-59-2057-8. Base of antenna trunk showing failure of flanged connection. Note also deformed vent riser and intact welds.

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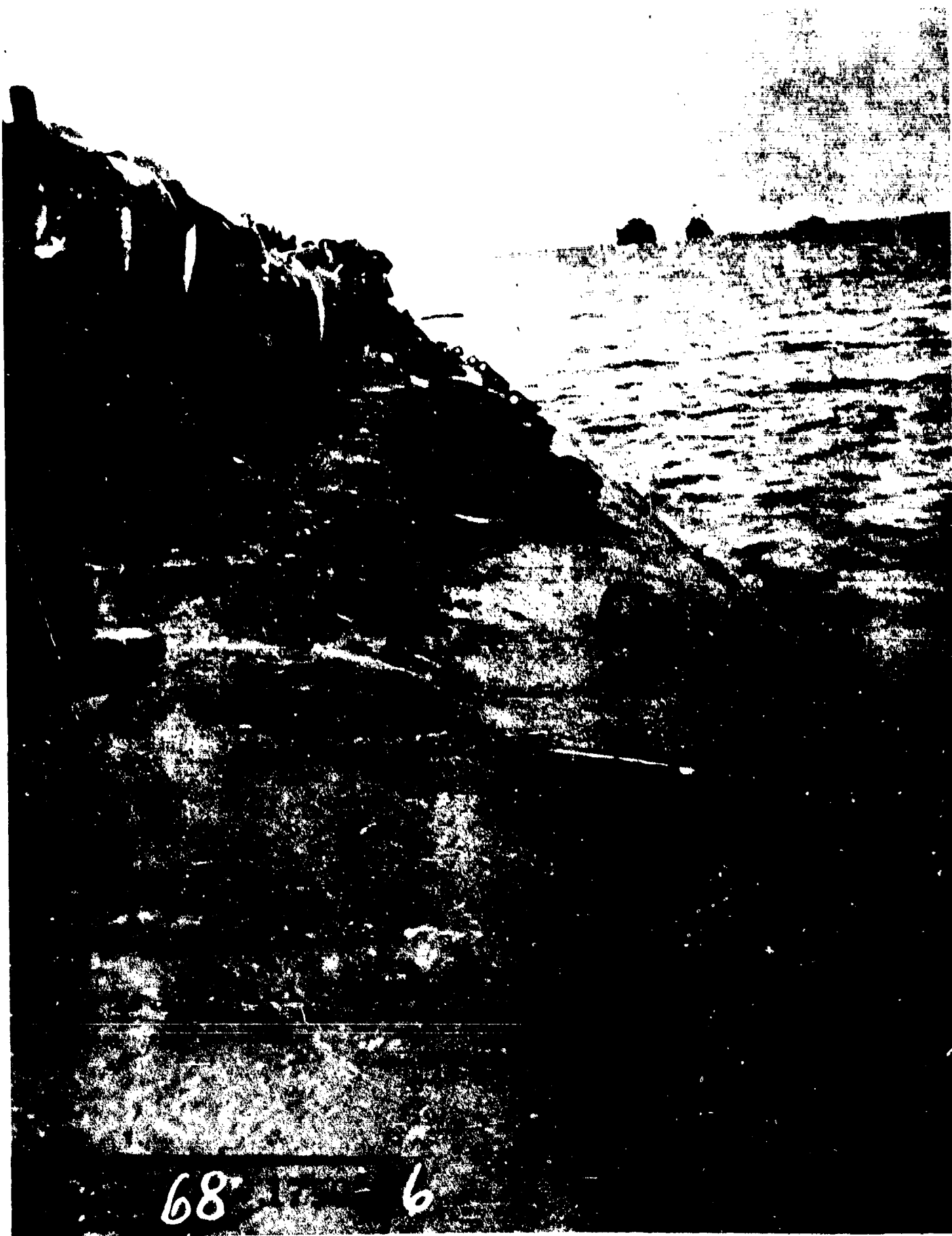
AA-CR-59-2011-11. View of inboard end of tie-rod forward battery tank starboard. Nut has snapped off.

SECRET

USS SKATE (SS305)

Page 19 of 93 Pages

5161



AA-CR-59-1750-6. Looking aft at bent in tank top between frame 76 and 80.

SECRET

USS SKATE (SS305)

Page 20 of 93 Pages

5161



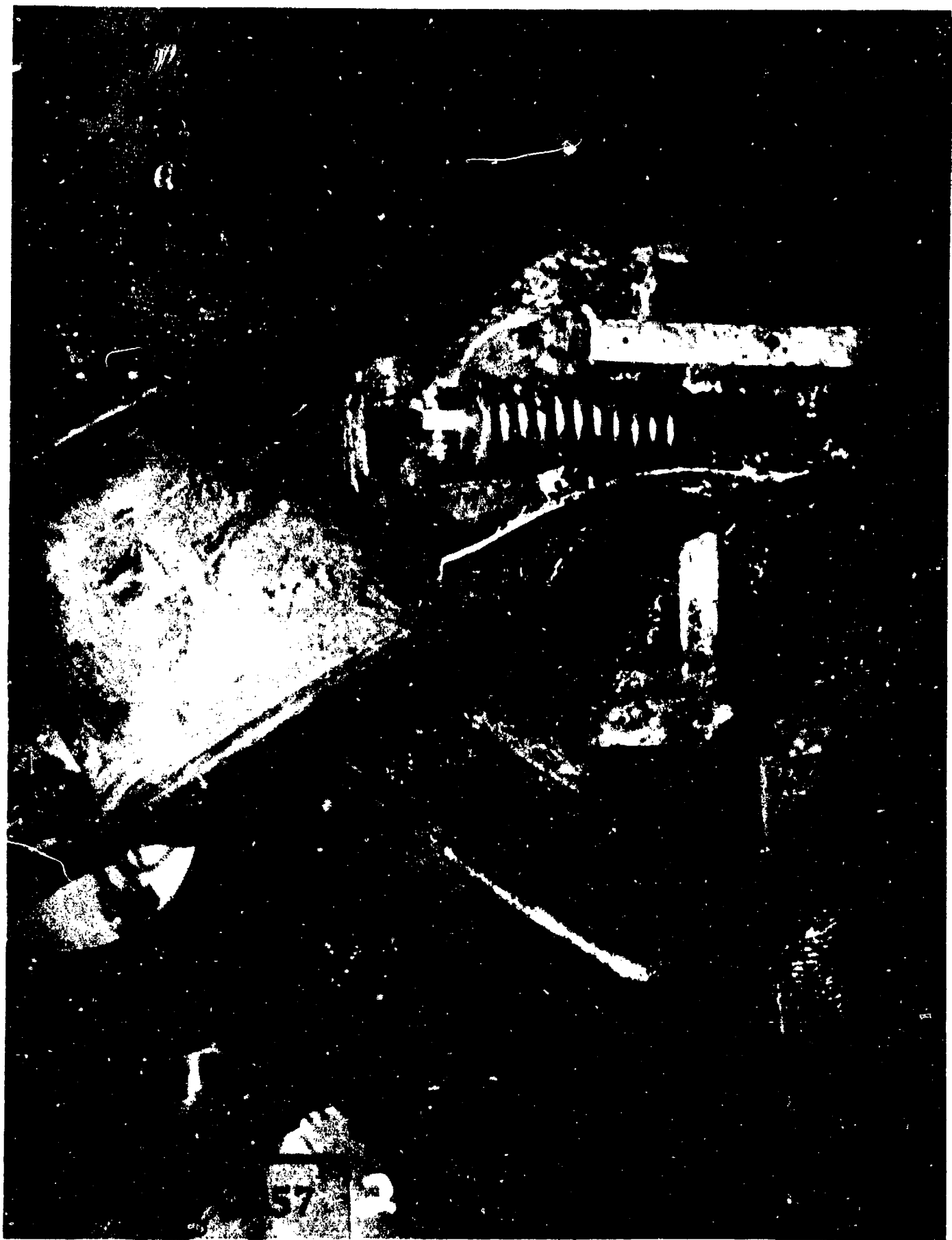
AA-CR-59-1751-9. No. 7 main vent valve and after capstan head.

SECRET

USS SKATE (SS308)

Page 21 of 93 Pages

5161



AA-CR-59-2057-2. After capstan head and No. 7 main vent valve looking forward.

SECRET

USS SKATE (SS305)

Page 22 of 93 Pages

5161



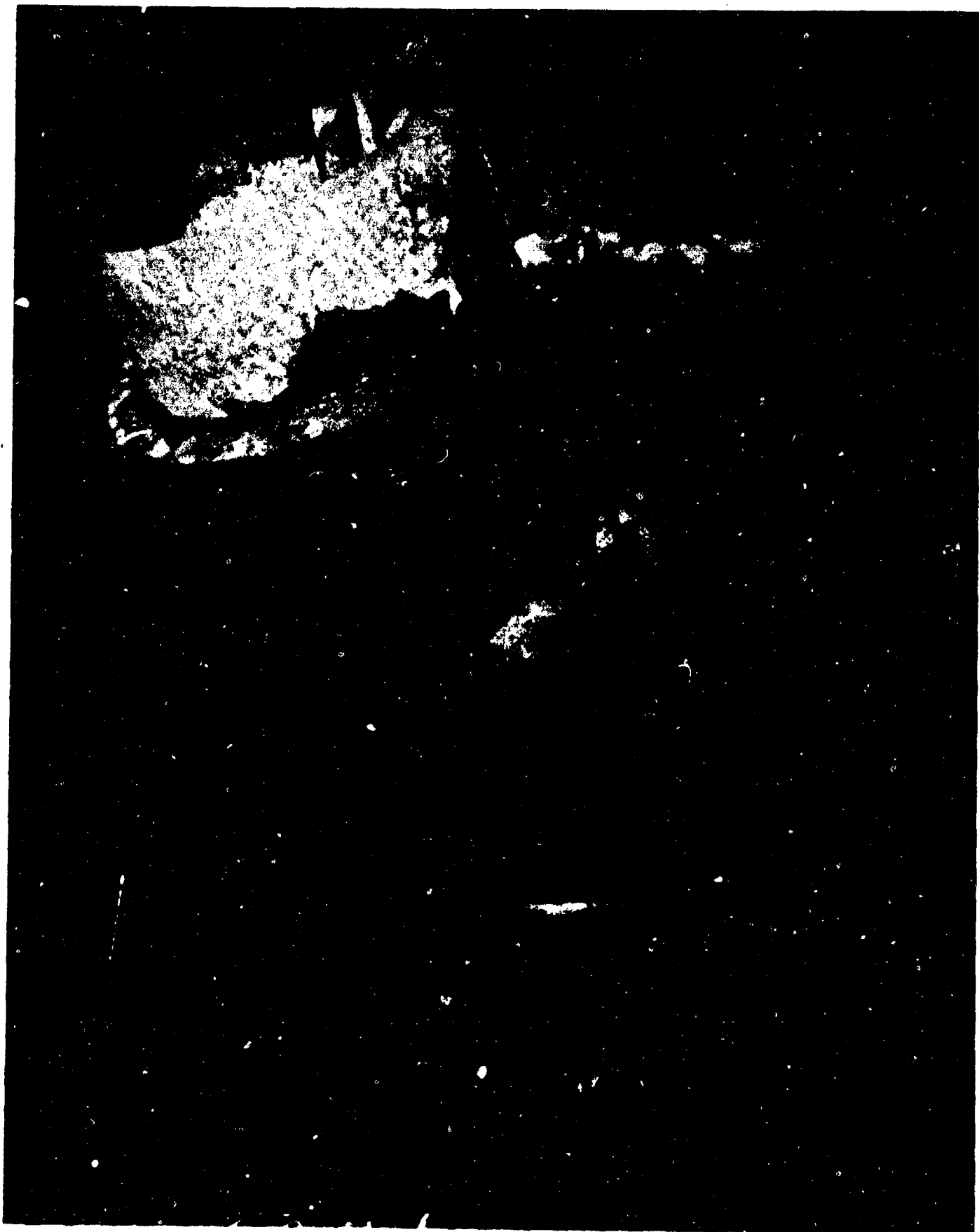
AA-CR-59-2057-3. After capstan head and No. 7 main vent valve looking forward and to starboard.

SECRET

Page 23 of 93 Pages

USS SKSATE (SS305)

5161



AA-CR-59-2011-1. Main induction valve showing failure of stem of casing. Looking aft and to port from starboard side.

SECRET

Page 24 of 93 Pages

USS SKATE (SS306)

5161



AA-CR-59-2011-2. Main induction valve showing failure of stem casing. Looking aft and to port from port side.

SECRET

Page 25 of 93 Pages

USS SKATE (SS305)

5161



AA-CR-68-1749-11. Looking down on main induction valve, showing damage and displacement of entire valve to port.

SECRET

Page 26 of 93 Pages USS SKATE (SS305)

5161



AA-CR-68-1750-1. Top of main induction valve looking forward and to starboard.

SECRET

Page 27 of 93 Pages

USS SKATE (SS305)

5161



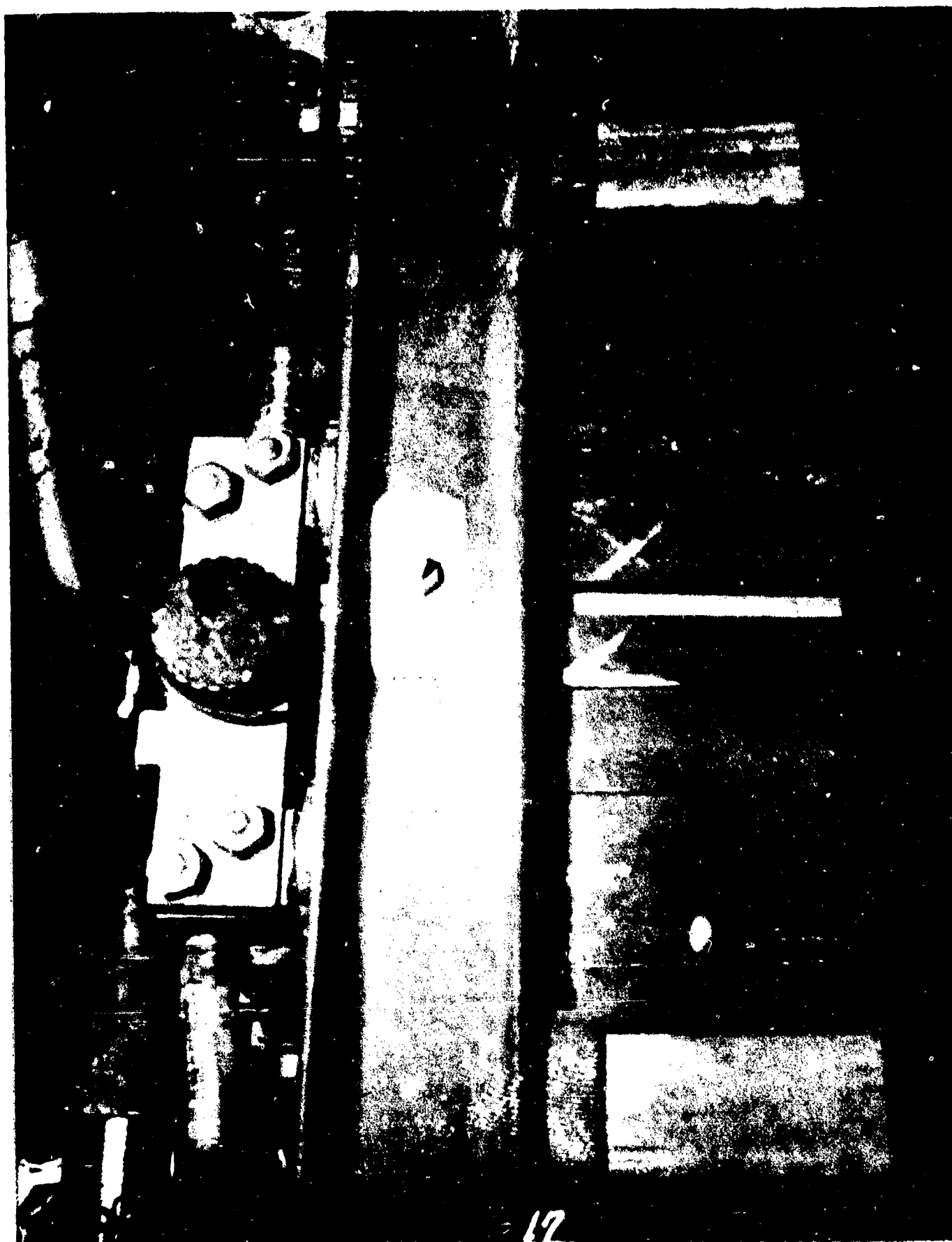
AA-CR-68-1750-5. Port main induction pipe to forward engine room.
All supports are torn away and pipe is displaced up and to starboard.

SECRET

Page 28 of 93 Pages

USS SKATE(SS305)

5161



AA-CR-59-2011-12. Forward battery tank after starboard corner.
Note fracture ventilation duct at top of picture.

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Page 29 of 93 Pages

USS SKATE (SS305)

5161



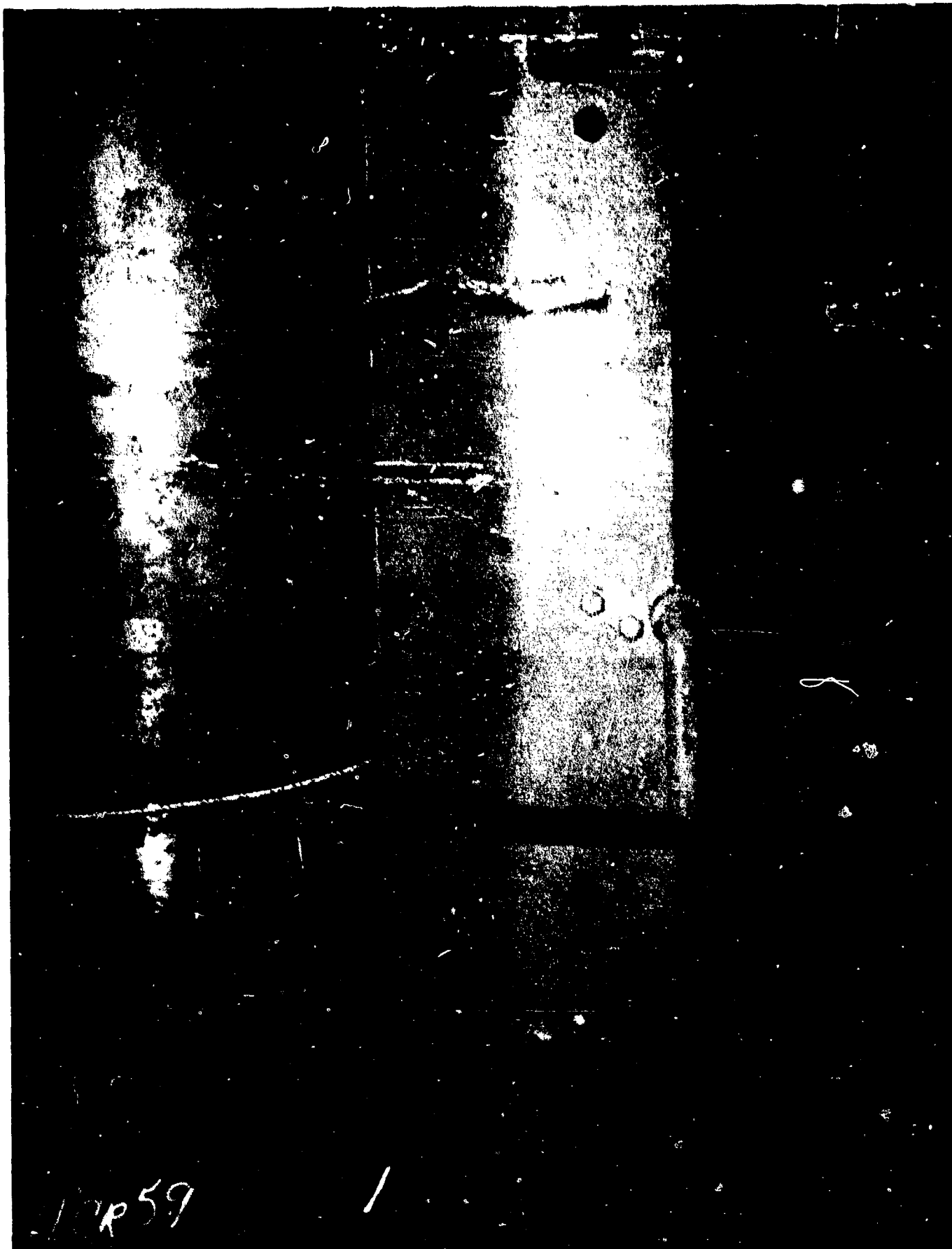
AA-CR-59-2055-4. Portable section of cross track bar in after end of
after torpedo room showing stowage position.

SECRET

USS SKATE (SS301)

Page 30 of 93 Pages

5161



AA-CR-59-2055-1. Dent in warhead of torpedo stowed in lower starboard rack, after torpedo room.

SECRET

Page 31 of 93 Pages

USS SKATE (SS305)

5161



AA-CR-59-1752-12. Forward port cover of bridge splinter protection.
Note intact condition of pressure proof indicator.

SECRET

Page 32 of 93 Pages

USS SKATE (SS305)

5161



AA-CR-68-2057-5. View of No. 2 M.E. valve box showing deformation of welding construction and failure of brazed and welded joints.

SECRET

Page 33 of 93 Pages

USS SKATE (SS305)

5161



AA-CR-68-2057-6. Silver brazed and are welded joints on No. 2 out-board exhaust, looking aft.

SECRET

Page 34 of 93 Pages

USS SKATE (SS306)

5154



AA-CR-68-2057-9. Main induction valve stem casing. Failure of casing adjacent to welds, looking aft.

SECRET

Page 35 of 93 Pages

USS SKATE (SS305)

5161



CR 59-1833-1

AA-CR-59-1833-1. View in forward torpedo room of QLA sound stack showing damaged upper shock mounts.

SECRET

Page 36 of 93 Pages

USS SKATE (SS305)

5161



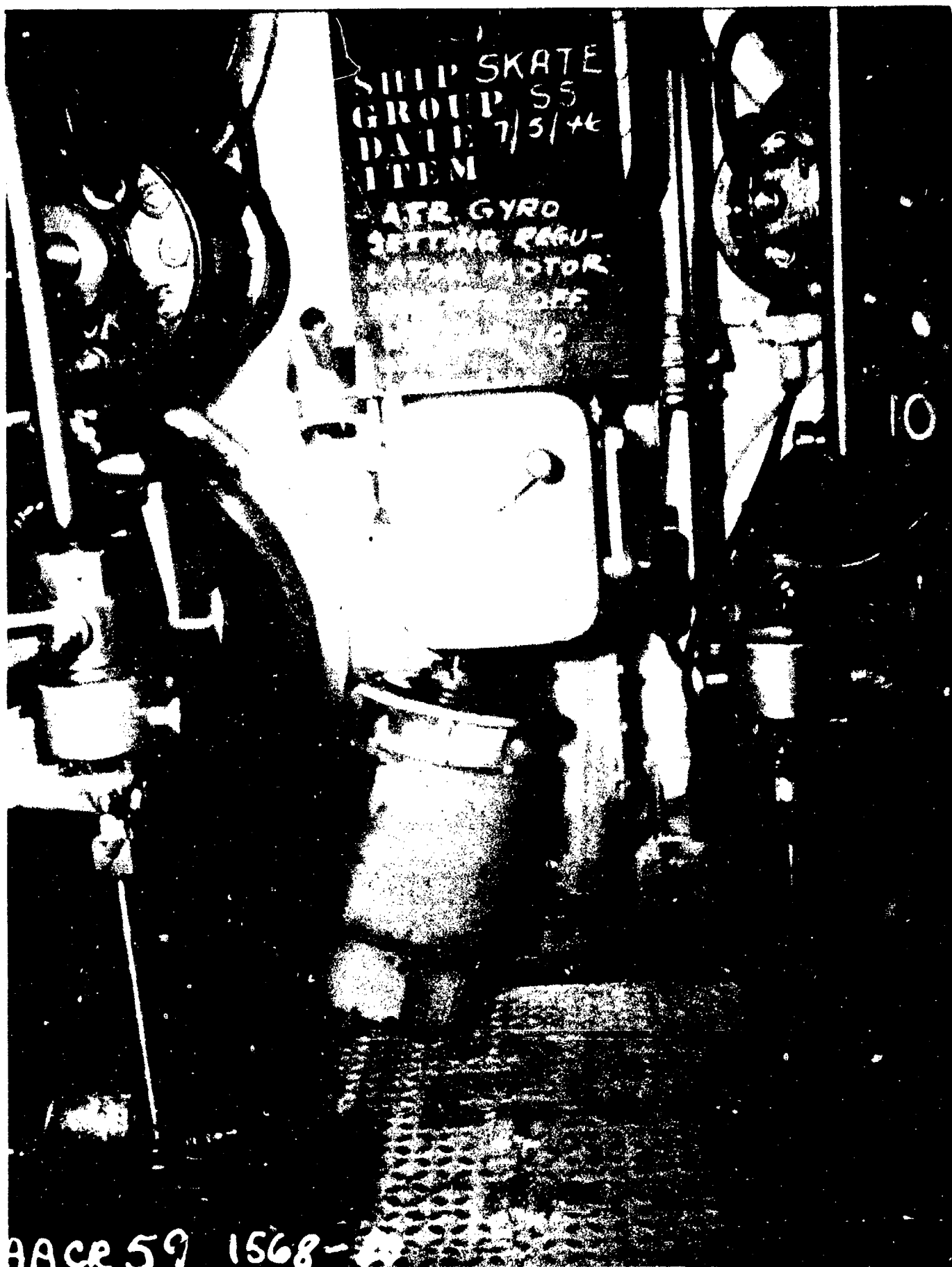
AA-CR-59-1568-7. View in conning tower of sound stack showing after bearing indicator jarred out of supporting bearings and door for TDM recorder jarred open.

SECRET

Page 37 of 93 Pages

USS SKATE (SS305)

(5161)



AA-CR-59-1568-10. View in after torpedo room looking aft between torpedo tubes showing gyro setting regulator motor dropped off.

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Page 38 of 93 Pages USS SKATE (SS305)

5161



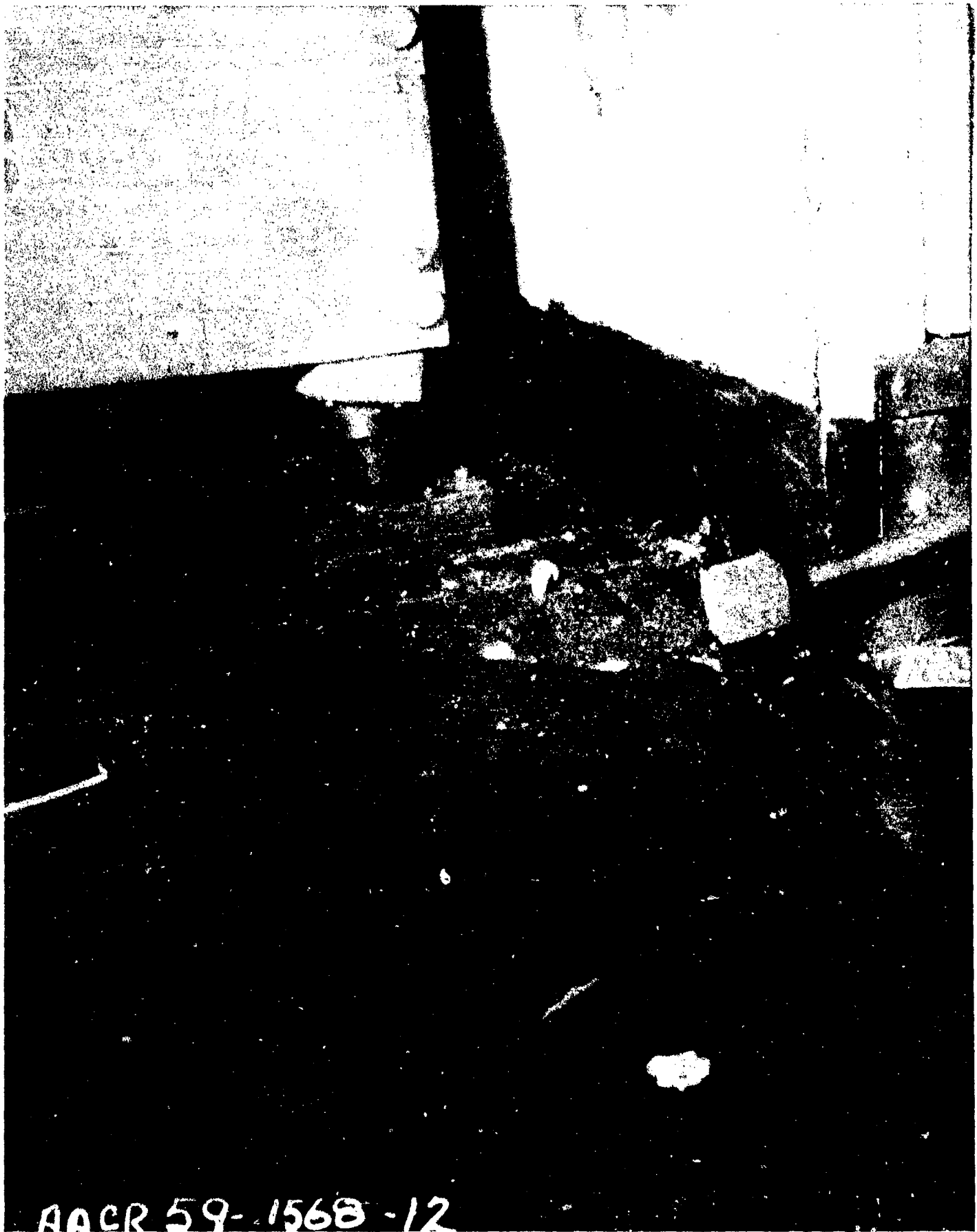
AA-CR-59-1568-11. View in after engine room of gauge panel for No. 3 main engine showing glass lens in clocks shattered.

SECRET

Page 39 of 93 Pages

USS SKATE (SS305)

5161



AA-CR-59-1568-12. View in forward torpedo room showing damaged lower shock mounts of QLA sound stack.

SECRET

Page 40 of 93 Pages

USS SKATE (SS305)

5161



AA-CR-1752-10. View of 50 gallon drum and beer can blast gauges in forward superstructure showing crushing effect of pressure

SECRET

Page 41 of 93 Pages

USS SKATE (SS305)

5161



AA-CR-68-1748-12. View of JT sound gear hull flange showing how shaft and outboard support was carried away. Note lead-in cable.

SECRET

Page 42 of 93 Pages

USS SKATE (SS305)

5161



AA-CR-68-1753-1. General view of port side from boat.

SECRET

Page 43 of 93 Pages

USS SKATE (SS305)

5161



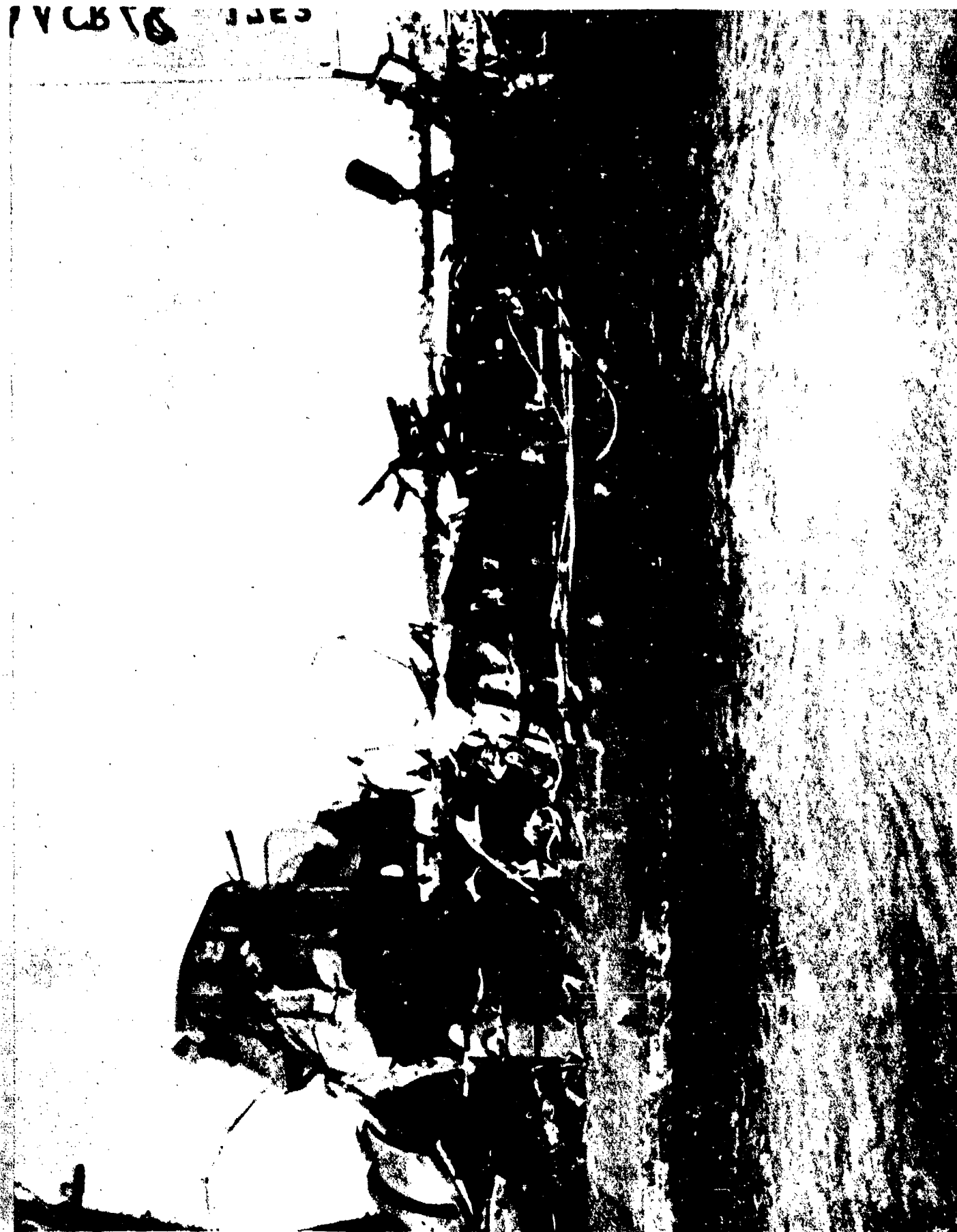
AA-CR-68-1753-2. General view of port side from boat.

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Page 44 of 93 Pages

USS SKATE (SS305)

5161



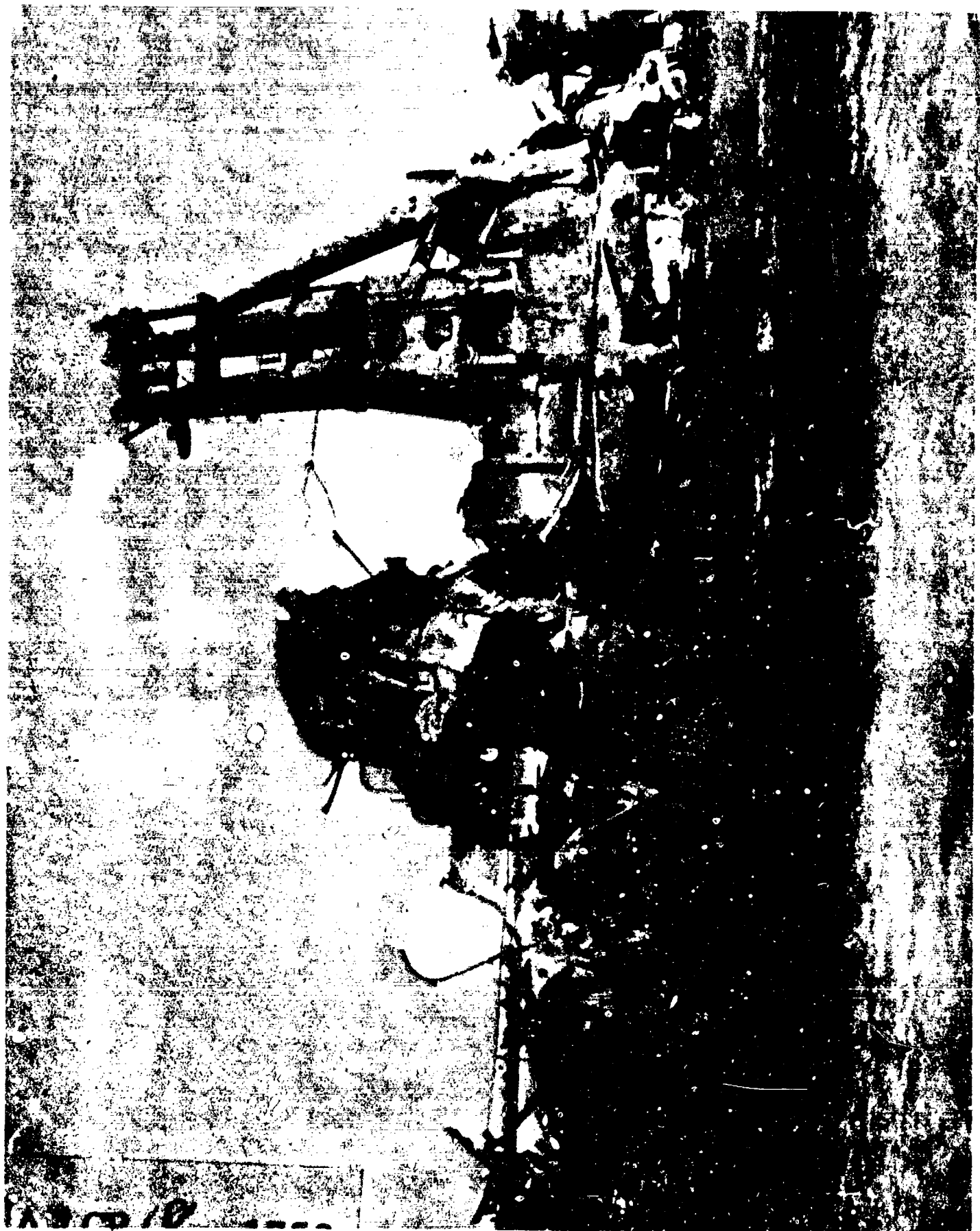
AA-CR-68-1753-3. General view of port side from boat.

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Page 45 of 93 Pages

USS SKATE (SS305)

5161



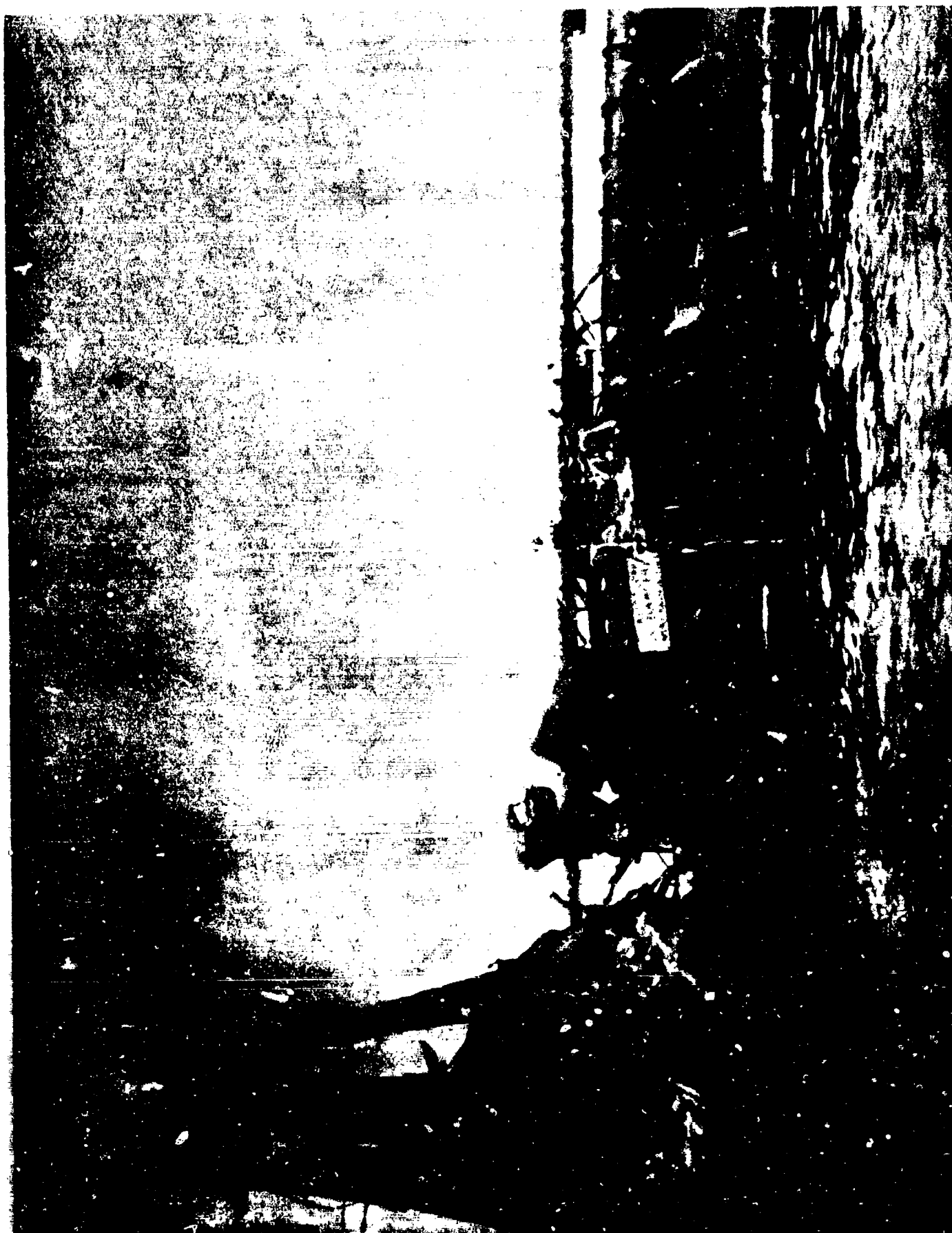
AA-CR-68-1753-4. General view of port side from boat.

SECRET

Page 46 of 93 Pages

USS SKATE (SS305)

5161



AA-CR-68-1753-5. General view of port side from boat.

SECRET

Page 47 of 93 Pages

USS SKATE (SS305)

5161



AA-CR-68-1753-6. General view of port side from boat.

SECRET

Page 48 of 93 Pages

USS SKATE (SS305)

5161



AA-CR-68-1753-7. General view of port side from boat.

SECRET

Page 49 of 93 Pages

USS SKATE (SS305)

5161



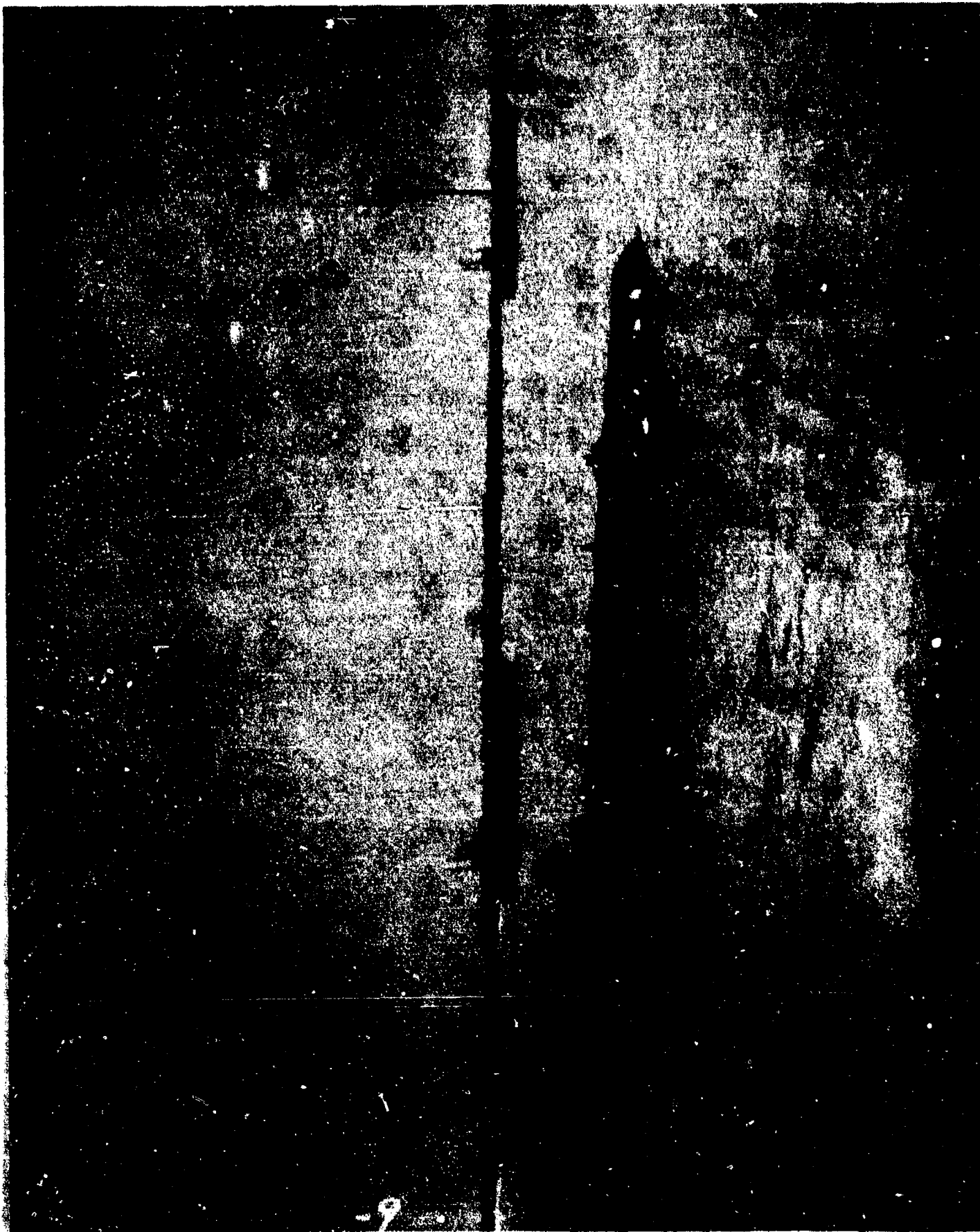
AA-CR-68-1753-8. General view of port side from boat.

SECRET

USS SKATE (SS305)

Page 50 of 93 Pages

5161



AA-CR-68-1753-9. General view of port side from boat.

SECRET

Page 51 of 93 Pages

USS SKATE (SS305)

5161



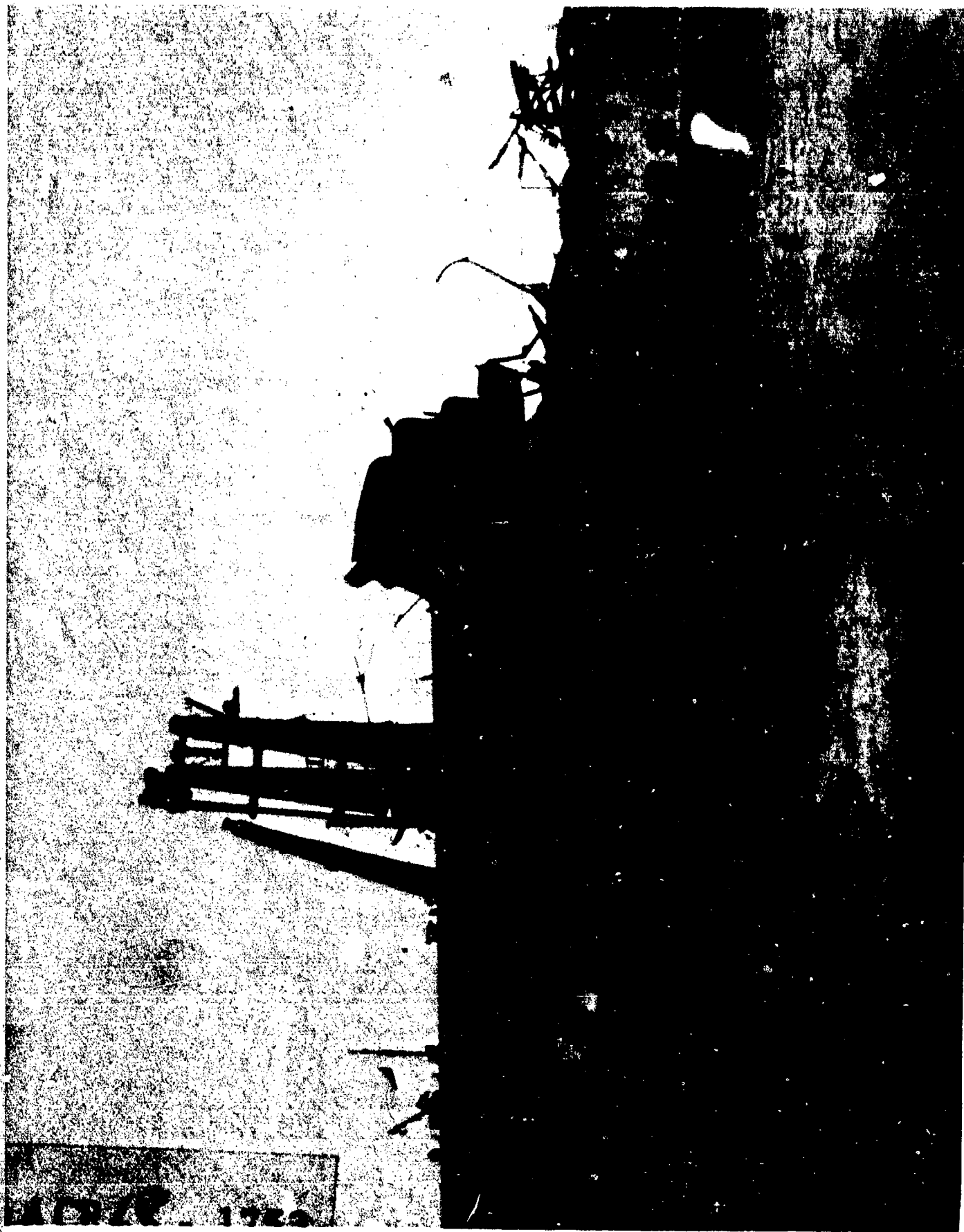
AA-CR-68-1753-10. General view of starboard side from boat.

SECRET

Pages 52 of 93 Pages

USS SKATE (SS305)

5161



AA-CR-68-1753-12. General view of starboard side at bridge and conning tower from boat.

SECRET

Page 53 of 93 Pages

USS SKATE (SS305)

5161



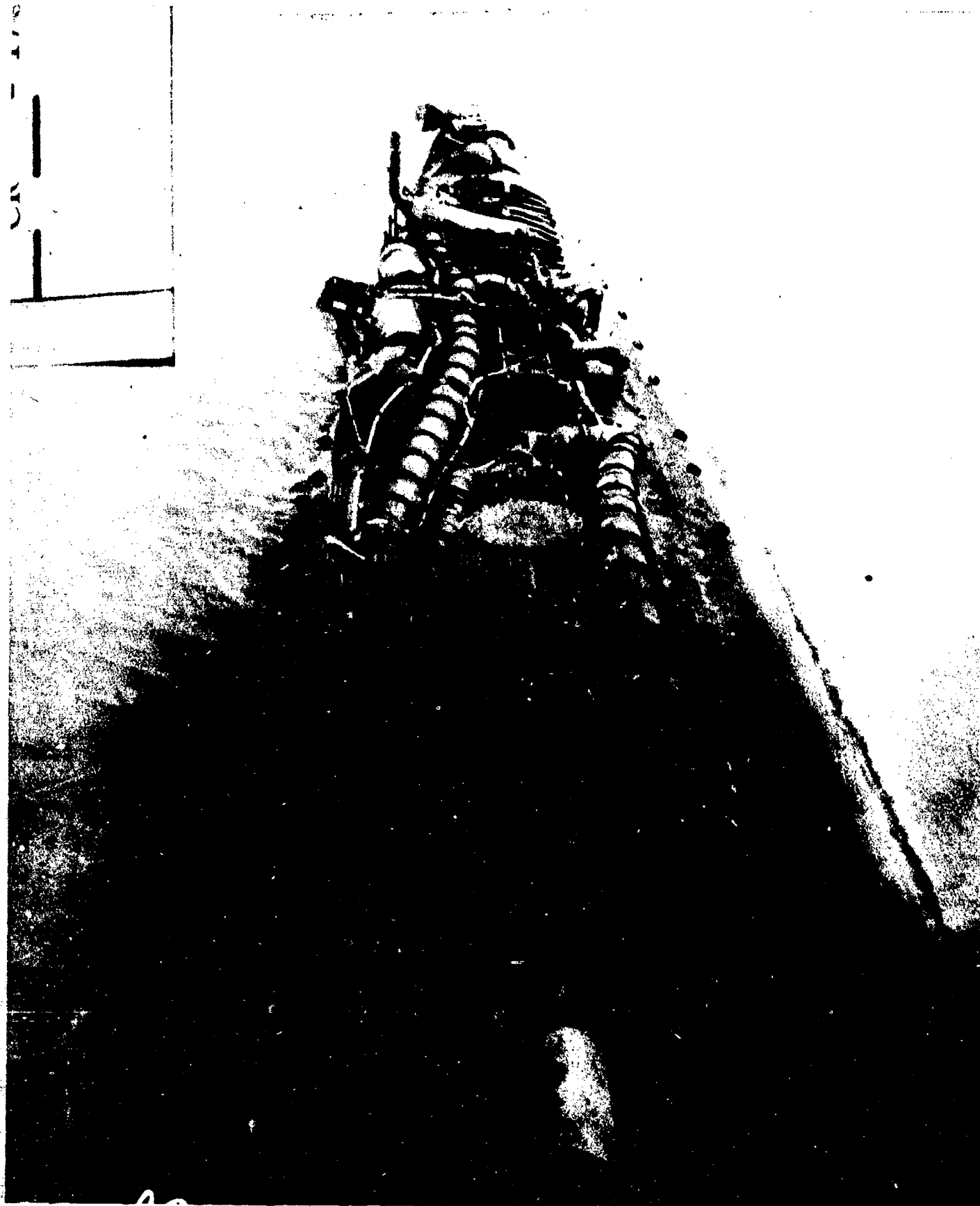
AA-CR-68-1752-1. General view of damage looking forward from top of periscope shears.

SECRET

Page 54 of 93 Pages

USS SKATE (SS305)

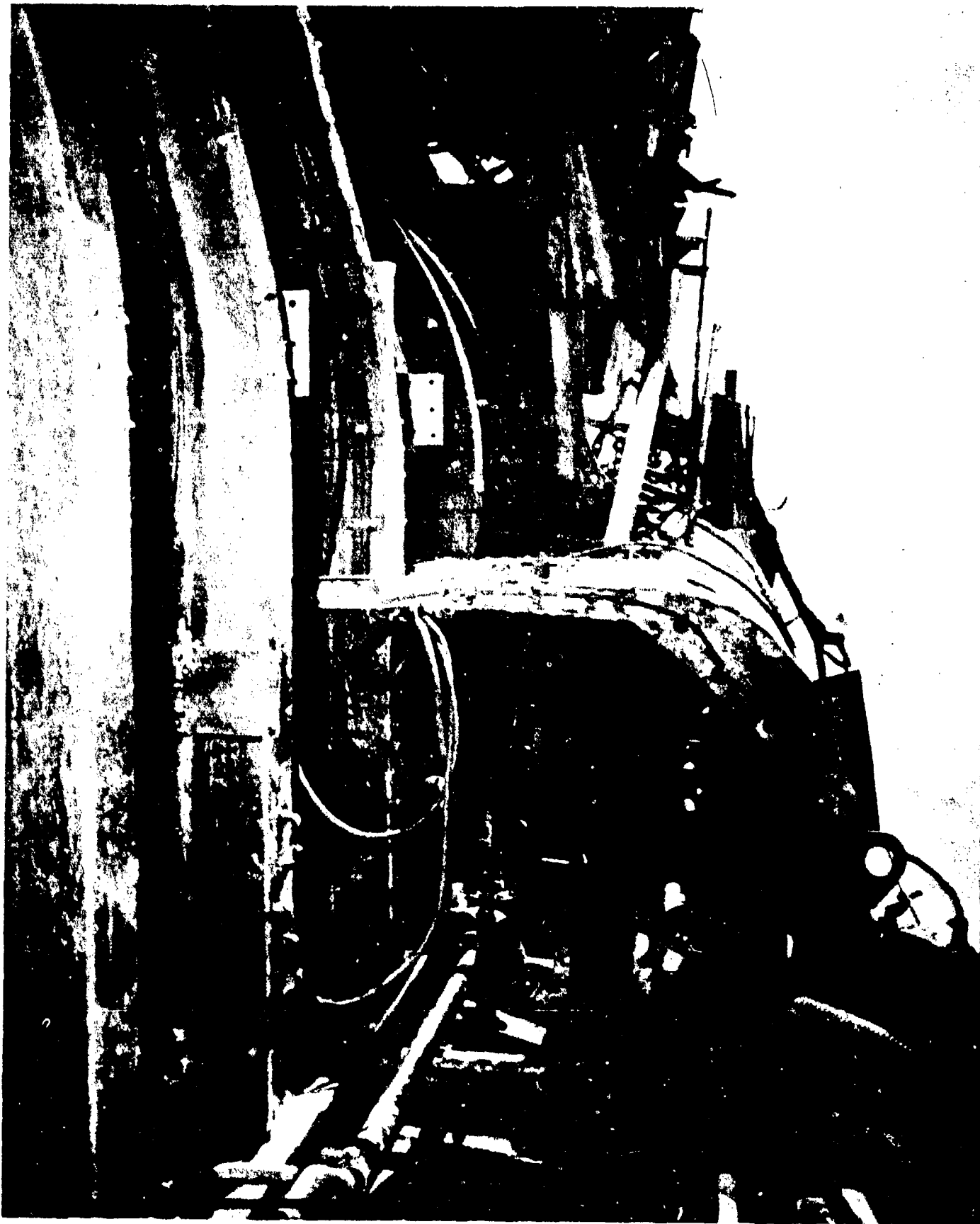
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AA-CR-68-1752-2. General view of damage looking aft from top of periscope shears.

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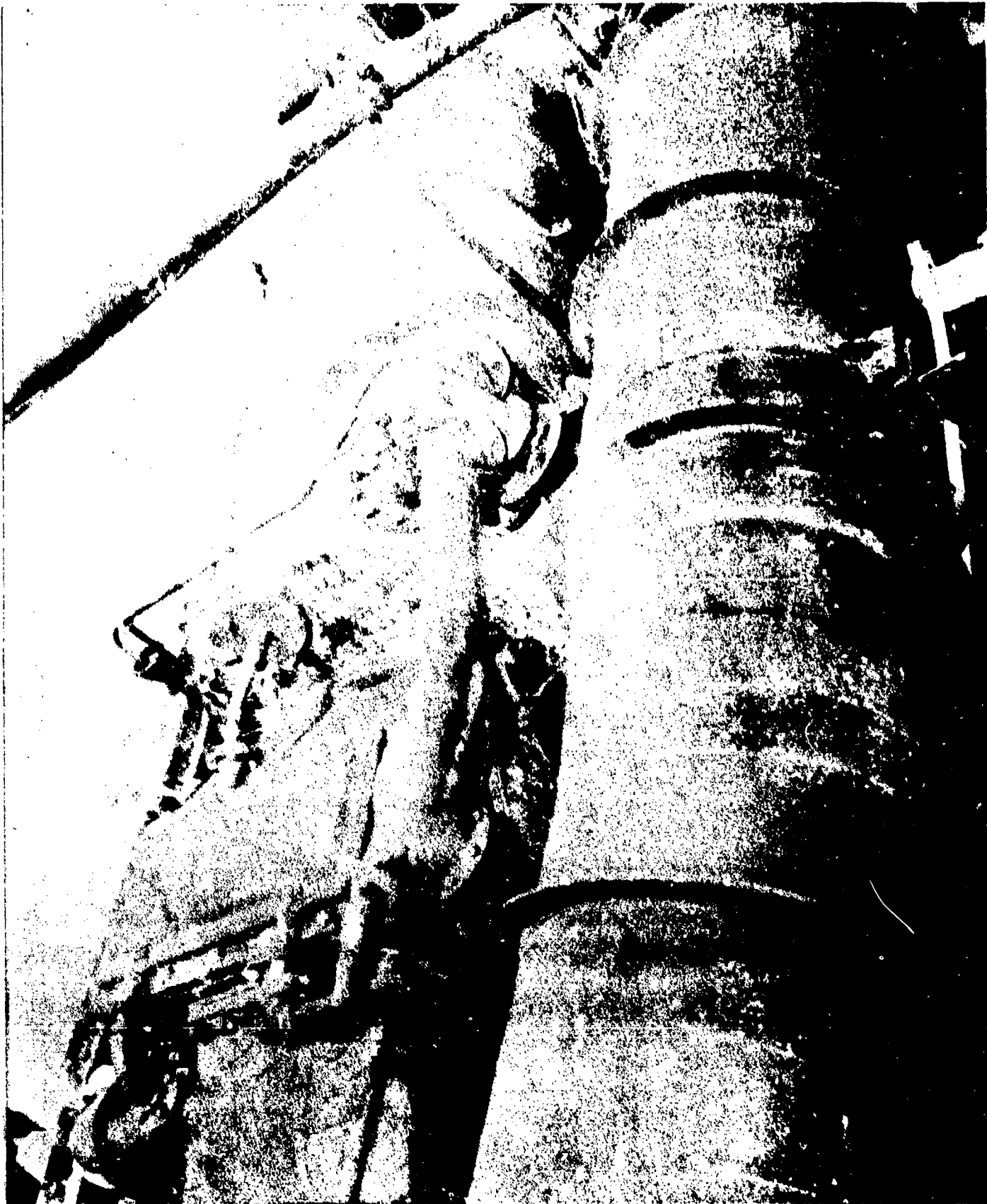
AA-CR-68-1750-2. Picture taken from frame 50 starboard side looking forward showing flexible fueling hose and 10# blow piping to main ballast tanks 2A and 2C (undamaged). Note also sheared and displaced electric cables.

SECRET

Page 56 of 93 Pages

USS SKATE(SS305)

5161



AA-CR-68-1750-12. No. 1 Main engine outboard exhaust valve box with muffler and associated piping (undamaged).

SECRET

USS SKATE(SS305)



AA-CR-68-1750-9. View of crushed and twisted salt water cooling pipe to No. 2 main engine external exhaust trunk.

SECRET

Page 58 of 93 Pages

USS SKATE(SS305)

5161



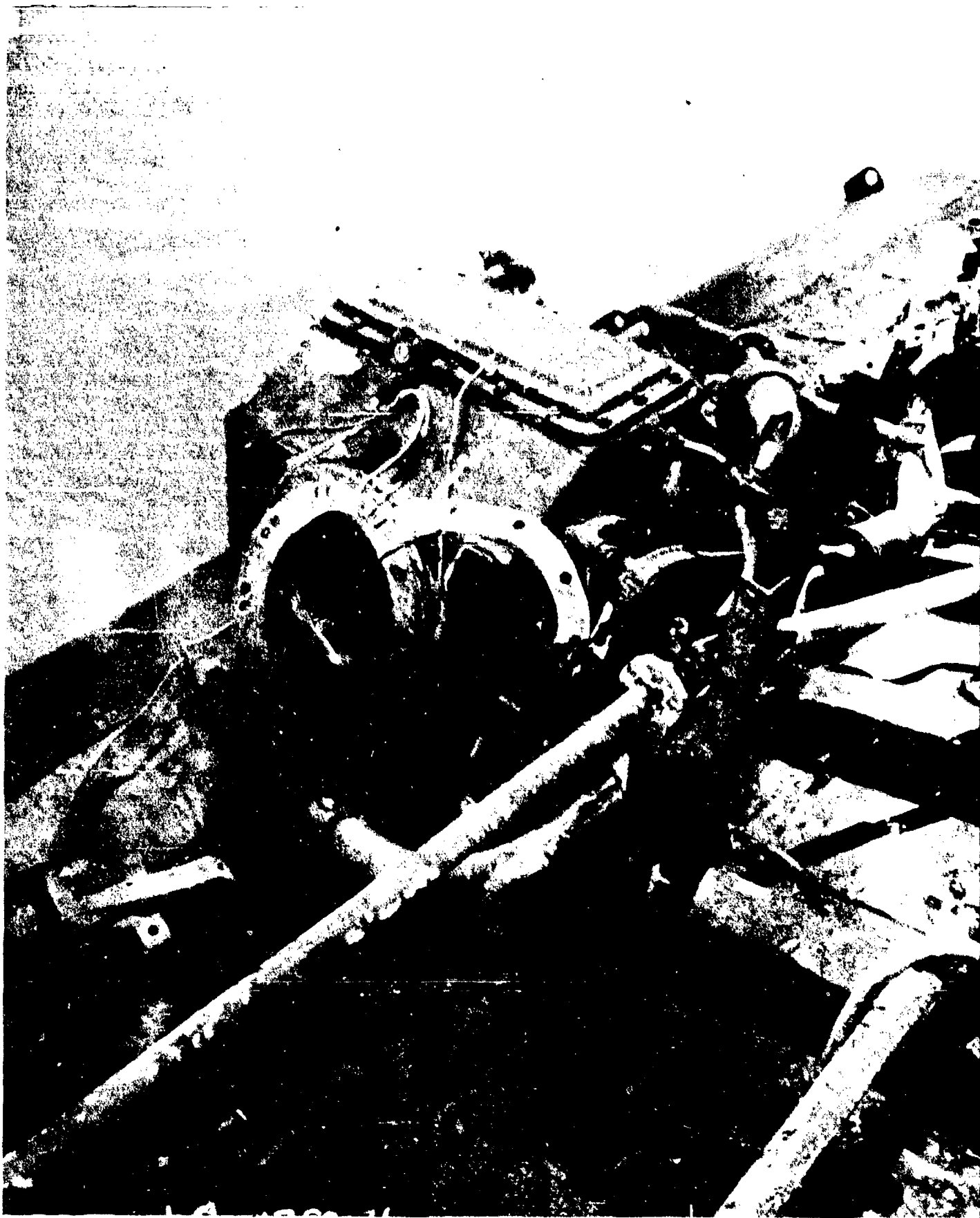
AA-CR-68-1750-10. No. 2 Main engine outboard exhaust valve box.

SECRET

Page 59 of 93 Pages

USS SKATE(SS305)

5161



AA-CR-68-1750-11. No. 2 Main engine outboard exhaust valve box.

SECRET

Page 60 of 93 Pages

USS SKATE(SS305)

5161



AA-CR-68-1751-1. View of No. 3 Main engine outboard exhaust valve box and muffler. Undamaged.

SECRET

Page 61 of 93 Pages

USS SKATE(SS305)

5161



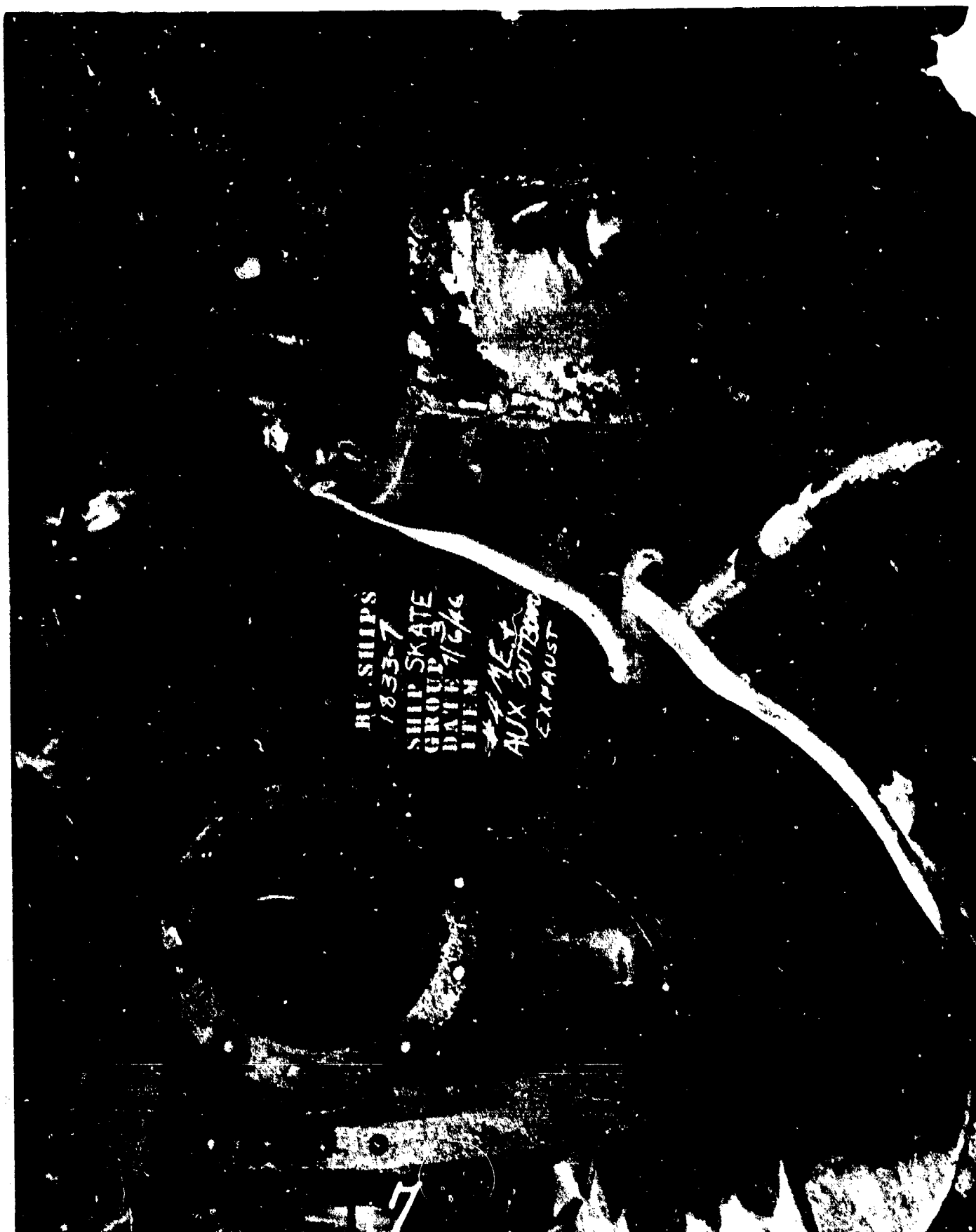
AA-CR-59-1833-4. View of No. 4 Main engine outboard exhaust valve, muffler missing, with engine running.

SECRET

Page 62 of 93 Pages

USS SKATE(SS305)

5161



AA-CR-59-1833-7. View of No. 4 Main engine outboard exhaust valve and auxiliary engine outboard exhaust valve.

SECRET

USS SKATE(SS305)

Page 63 of 93 Pages

5161



AA-CR-68-2057-4. View of No. 4 M.E. exhaust valve box from forward port side showing deformation of welded construction and failure of brazed joint in piping.

SECRET

Page 64 of 93 Pages

USS SKATE(SS305)

5161



AA-CR-68-1751-2. View of auxiliary engine muffler astride after engine room hatch as found immediately after test.

SECRET

Page 65 of 93 Pages

USS SKATE(SS305)

5161



AA-CR-68-1751-3. View of auxiliary engine muffler forward end, outboard exhaust valve and part of No. 4 Main engine outboard exhaust valve.

SECRET

Page 66 of 93 Pages

USS SKATE(SS305)

5161



AA-CR-2111-5. View of area around engine room hatch showing damage to port main exhaust valves and to auxiliary engine muffler and exhaust piping.

SECRET

Page 67 of 93 Pages

USS SKATE(SS305)

5161



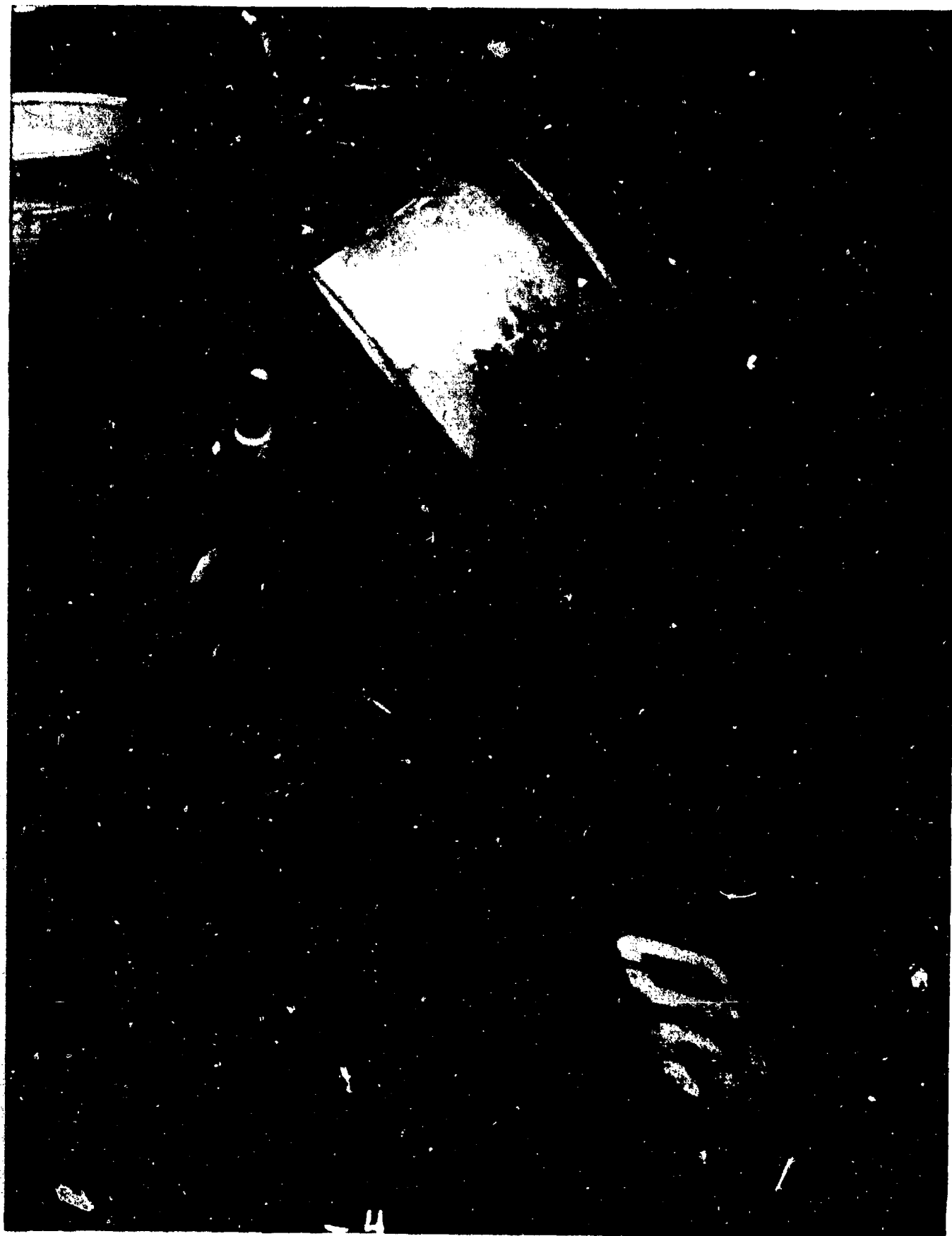
AA-CR-68-1751-4. View from aft of auxiliary engine muffler astride engine room hatch as found after test.

SECRET

Page 68 of 93 Pages

USS SKATE(SS305)

5161



AA-CR-68-2111-4. View of damage to after capstan and #7 Main ballast tank main vent valve.

SECRET

Page 69 of 93 Pages

USS SKATE(SS305)

5161

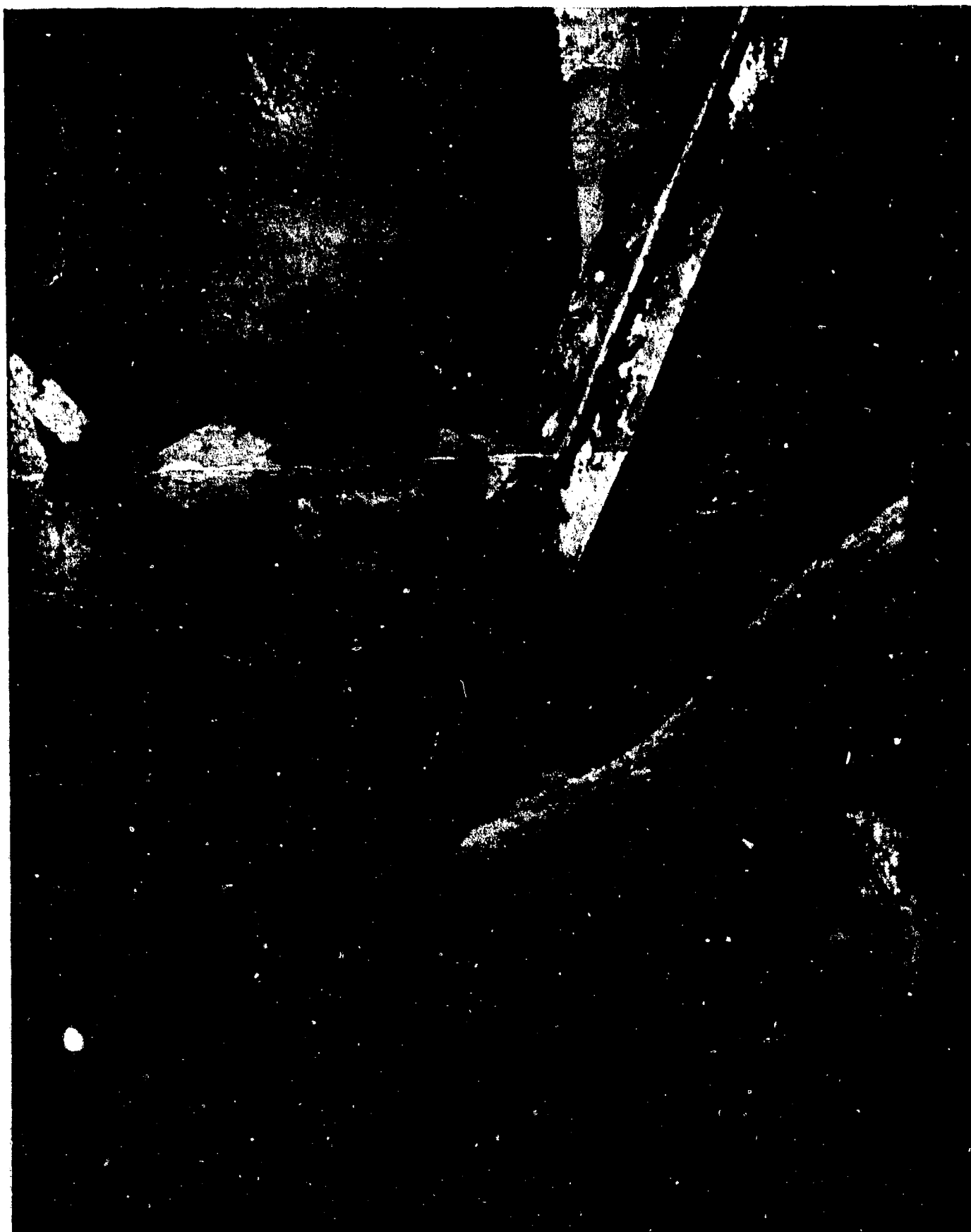


AA-CR-68-1751-10. View of after capstan and No. 7 Main ballast tank main vent valve.

SECRET

Page 70 of 93 Pages

USS SKATE(SS305)
5161



AA-CR-68-1752-8. Closeup of dislocation of No. 6 torpedo tube impulse air flash showing rupture in pipe at flange.

SECRET

Page 71 of 93 Pages

USS SKATE(SS305)

5161



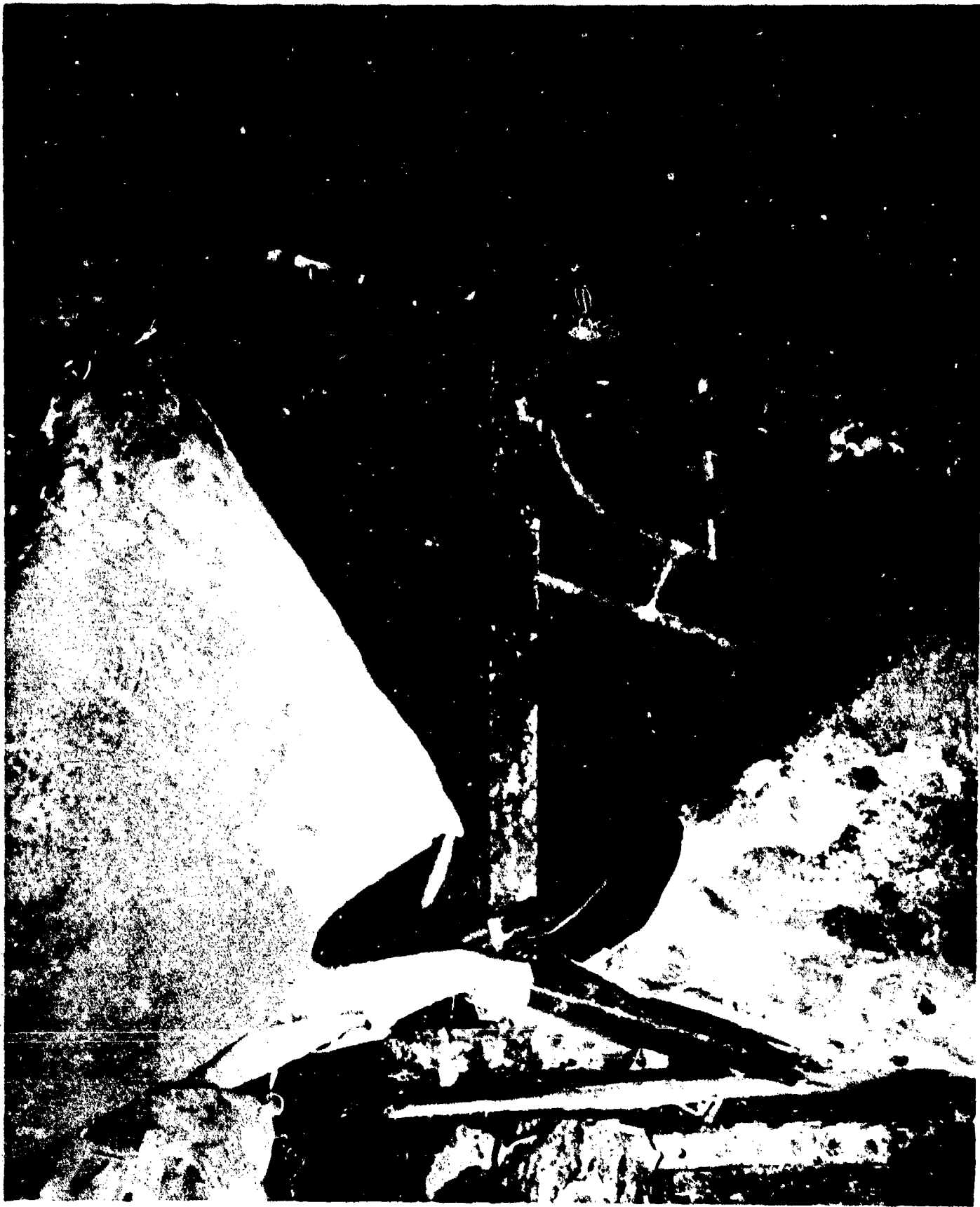
AA-CR-59-2055-10. View alongside conning tower port side showing damage to 10# blow piping to main ballast tanks 2B and 2D.

SECRET

Page 72 of 93 Pages

USS SKATE(SS305)

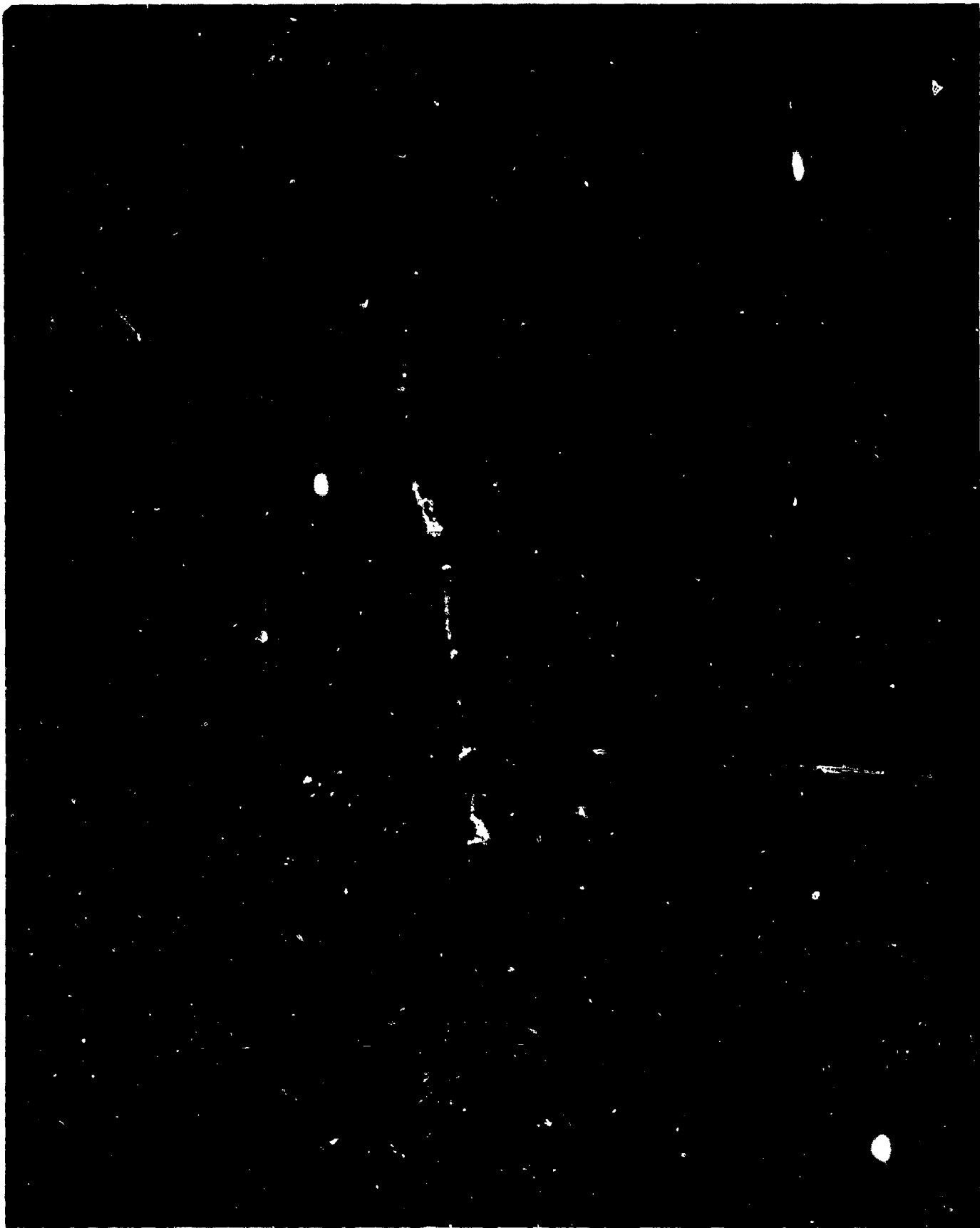
5161



AA-CR-68-1748-8. Radio entering trunk hull flange and 10lb. blow pipe to main ballast tank 2D.

SECRET

USS SKATE(SS305)



AA-CR-2111-2. View of topside starboard side looking forward from after torpedo room hatch showing damage to 10# blow piping to #7 Main ballast tanks and maneuvering room low salvage connection.

SECRET

Page 74 of 93 Pages

USS SKATE(SS305)

5161



AA-CR-68-1751-5. View of maneuvering room salvage air fitting(low),

SECRET

Page 75 of 93 Pages

USS SKATE(SS305)

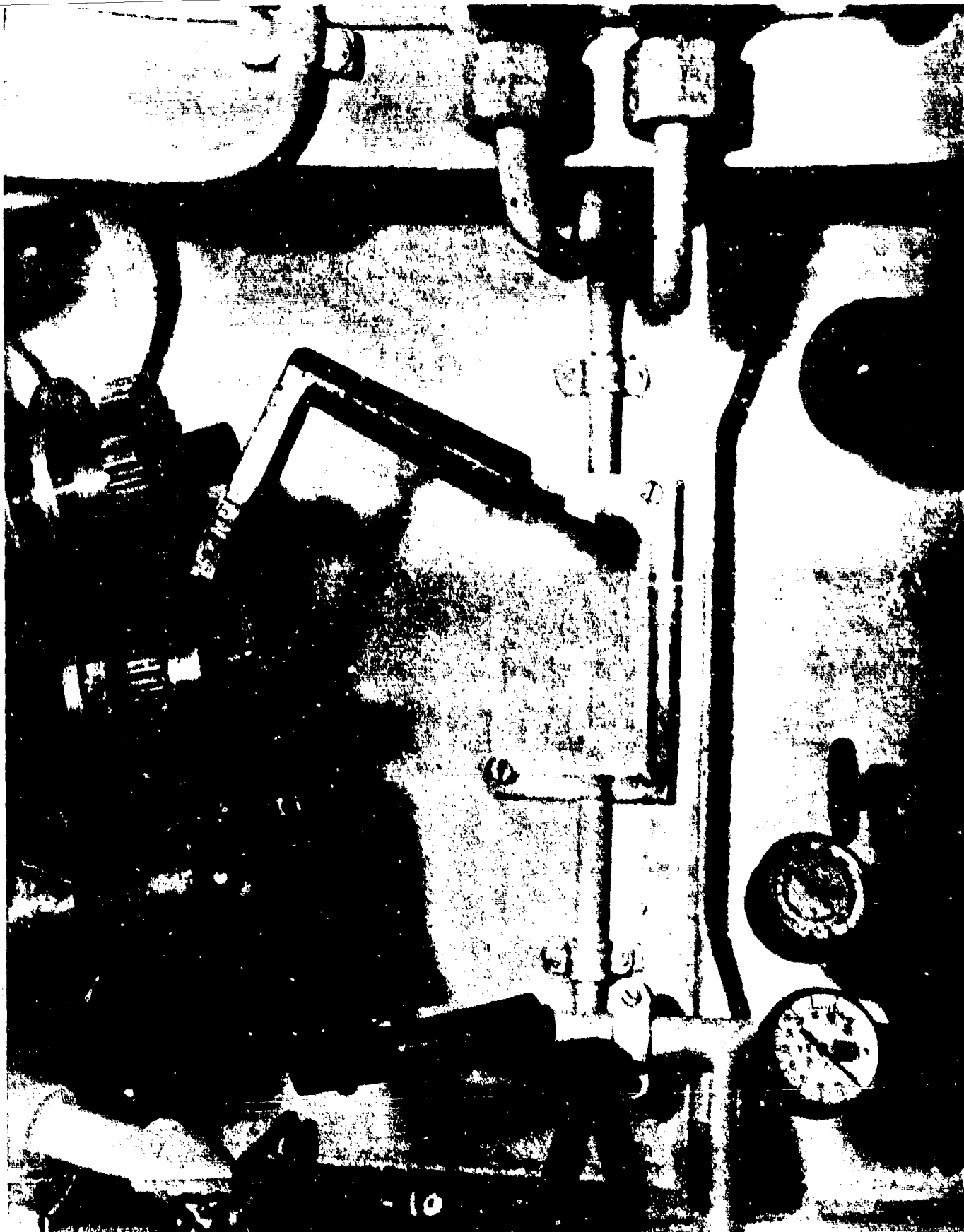
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AA-CR-68-1749-2. QLA sound head and shaft.

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USS SKATE(SS305)



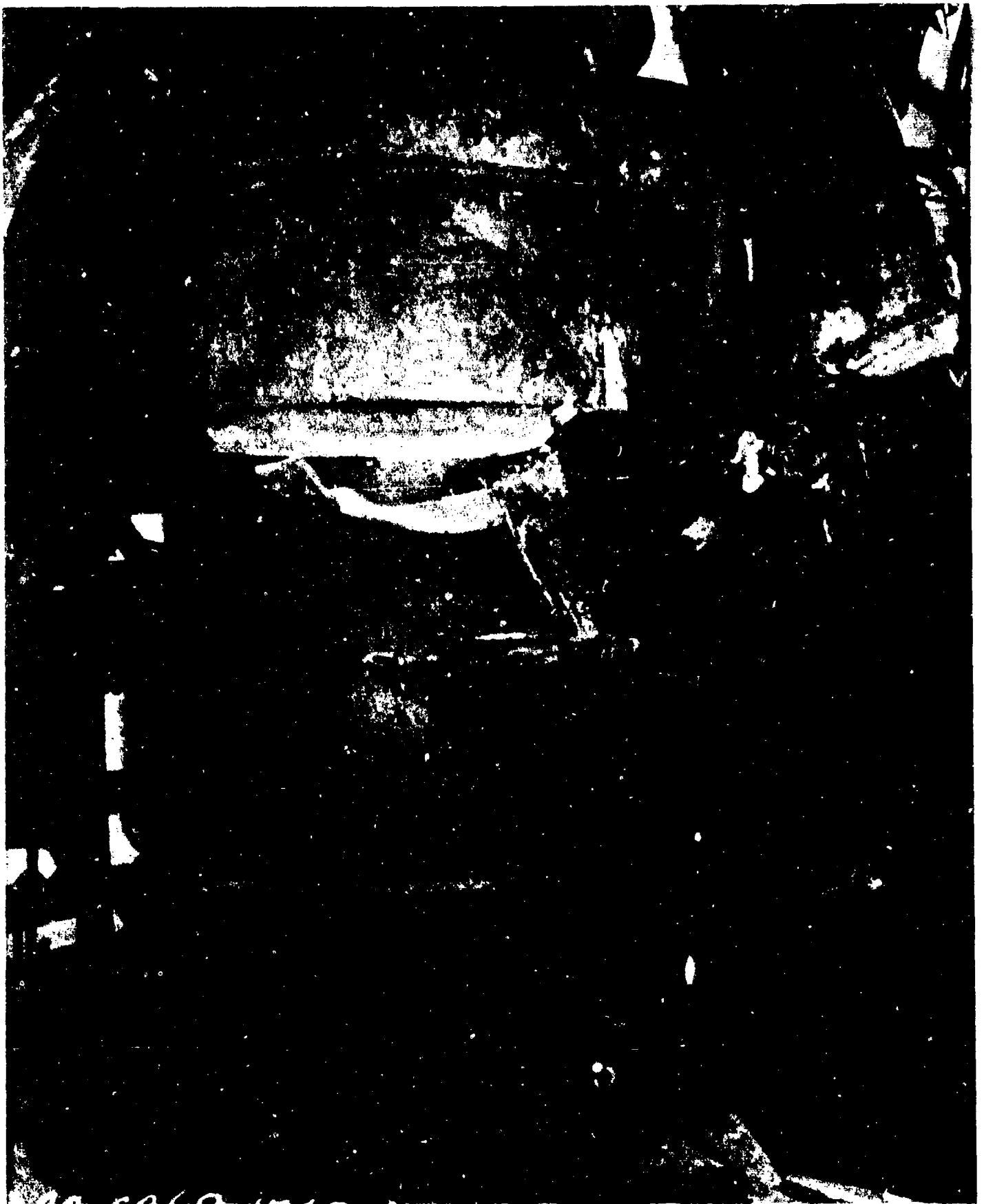
AA-CR-59-2011-10. Control room submerged signal sector showing operating shaft pushed in and bent operating handle gears not meshed.

SECRET

Page 77 of 93 Pages

USS SKATE(SS501)

5161



AA-CR-68-1748-10. Submerged signal ejector (control room) external view showing how outer board and outer door were carried away.

SECRET

Page 78 of 93 Pages

USS SKATE(SS305)

5161



AA-CR-68-1748-9. Frame 49 starboard forward end of conning tower showing sheared electric cables.

SECRET

Page 79 of 93 Pages

USS SKATE(SS305)

5161



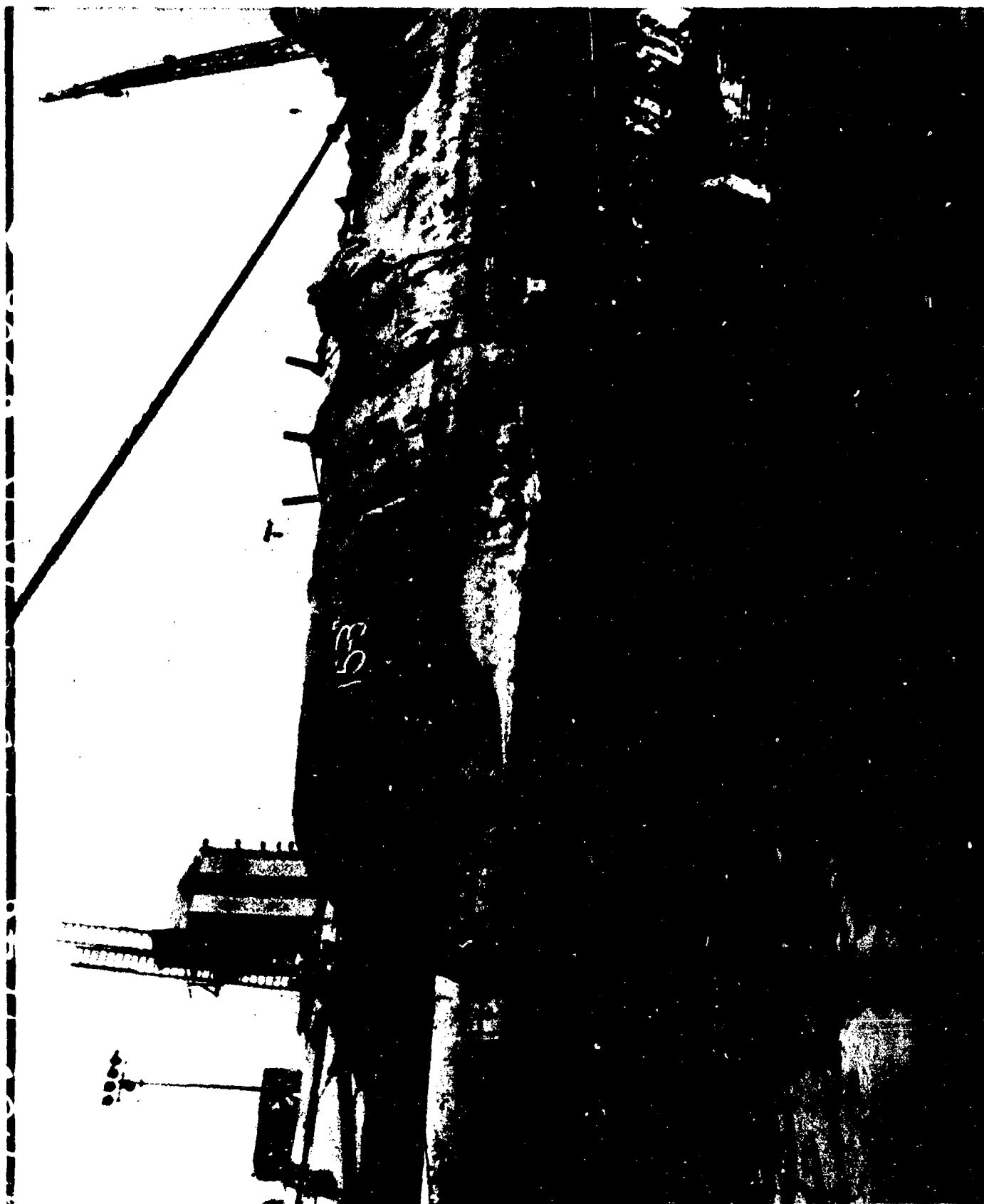
ABCR-MIK-6502-1. View of stern showing distortion of stern structure and shutters.

SECRET

Page 80 of 93 Pages

USS SKATE (SS305)

5161



ABCR-MIK-6502-2. Starboard side of stern showing offset of top structure and distortion of shutters.

SECRET

Page 81 of 93 Pages

USS SKATE (SS305)

5161



ABCR-MIK-6502-3. Starboard side looking aft showing offset of structure above the lower shutter.

SECRET

Page 82 of 93 Pages

USS SKATE (SS305)

5161



ABCR-MIK-6502-5. View of stern from port quarter showing distorted structure and crumpled #8 torpedo tube shutter.

SECRET

Page 83 of 93 Pages

USS SKATE (SS305)

5161



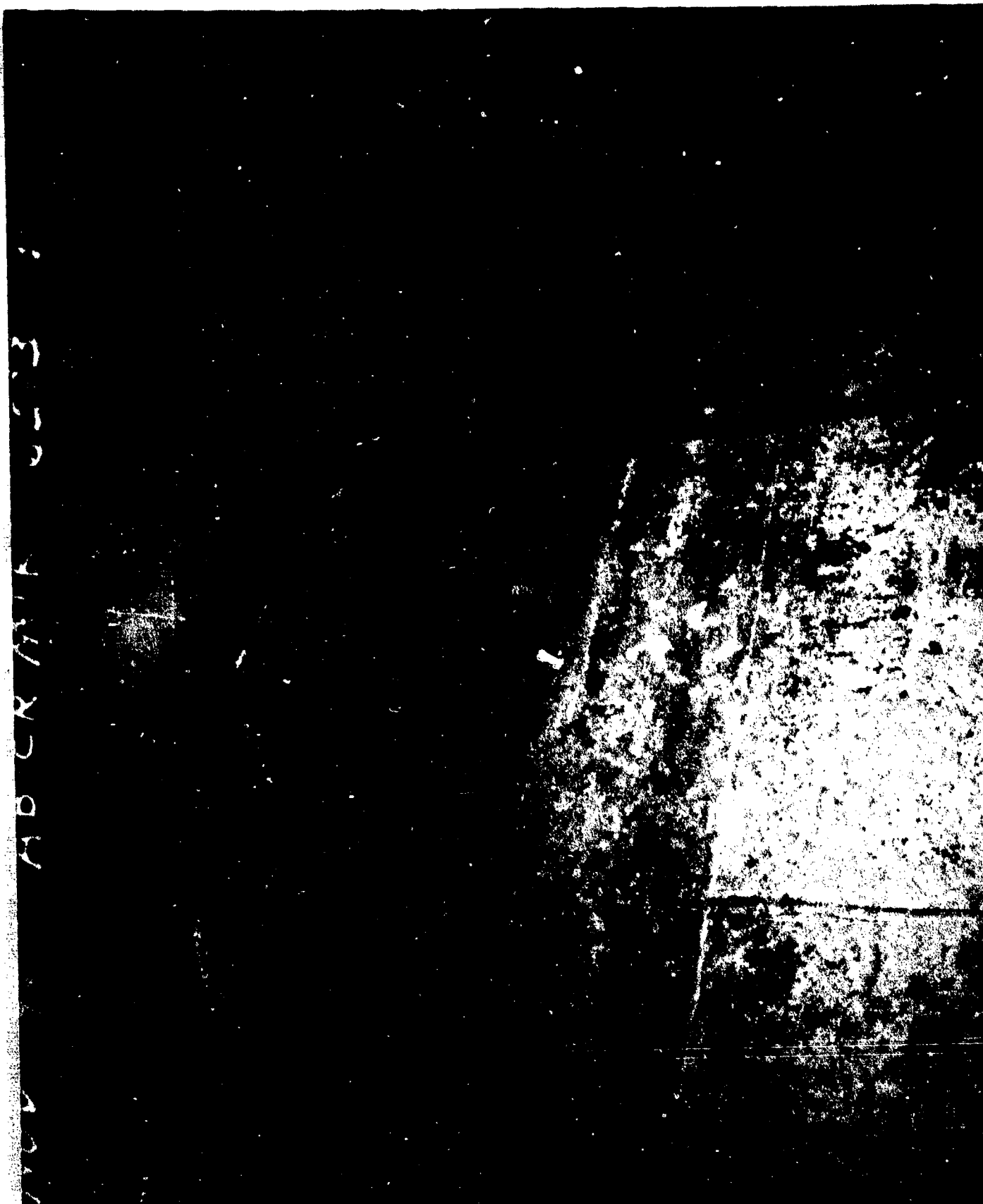
ABCR -MIK-6503-2. Starboard quarter hull plating between #7 and #9 shutters at forward end. Note compression failure of plate. Flat bar bracket on outside is part of experimental structure installed for purposes other than Crossroads.

SECRET

Page 84 of 93 Pages

USS SKATE (SS305)

5161



ABCR -MIK-6503-9. Distortion of top of stern structure to starboard above forward end of #7 torpedo tube structure.

SECRET

Page 85 of 93 Pages

USS SKATE (SS305)

5161



ABCR-MIK-6504-3. View in way of number 8 torpedo tube from port side aft showing distortion in fore and aft bulkhead.

SECRET

Page 86 of 93 Pages

USS SKATE (SS305)

5161



AB-CR-MIK-6504-4. #8 torpedo tube port side looking aft showing distortion in frames.

SECRET

USS SKATE(SS305)



AB-CR-MIK-6503-3. View showing distortion of No. 2 torpedo tube shutter.

SECRET

USS SKATE(SS305)



AB-CR-MIK-6503-4. View showing distortion of No. 2 torpedo tube shutter from above.

SECRET

Page 89 of 93 Pages

USS SKATE(SS305)

5161



AB-CR-MIK-6503-8. View showing lower roller of track #7 torpedo tube shutter.

SECRET

Page 90 of 93 Pages

USS SKATE(SS305)

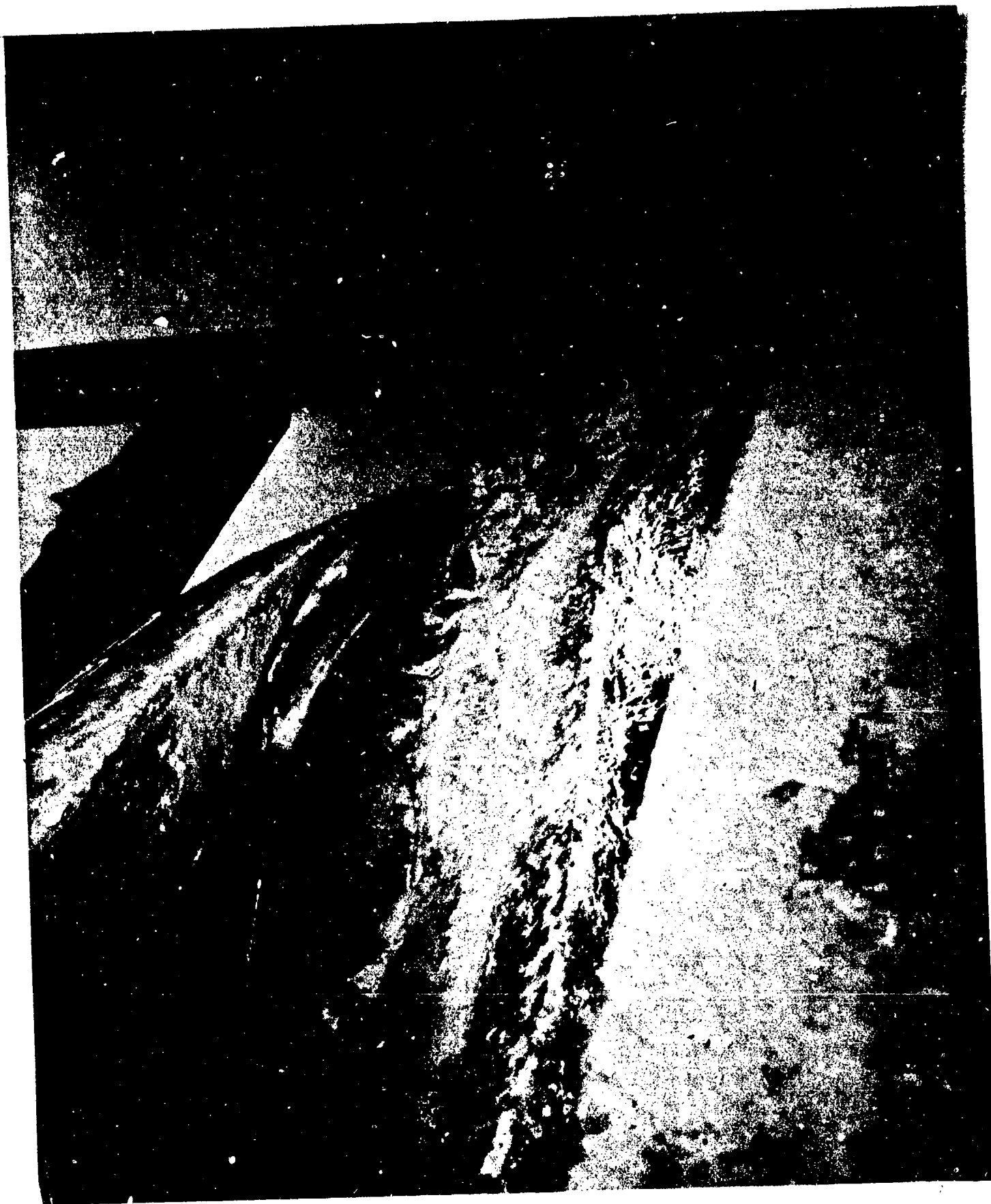
5161



AB-CR-MIK-6503-7. View showing lower rollers on #8 torpedo tube shutter.

SECRET

USS SKATE(SS305)



AB-CR-MIK-6503-5. View showing distortion of #8 torpedo tube shutter.

~~SECRET~~

USS SKATE(SS305)



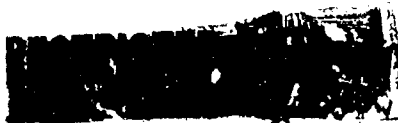
AB-CR-MIK-6503-6. View showing distortion of #8 torpedo tube shutter as seen from below and outboard.

CONFIDENTIAL



Classification (~~CONFIDENTIAL~~) (Changed to **CONFIDENTIAL**)
By Authority of Joint Chiefs of Staff (Action 15 Apr 48)
By John Beggs, Capt Date 1 May 51
AFSWP

CONFIDENTIAL





Defense Special Weapons Agency
6801 Telegraph Road
Alexandria, Virginia 22310-3398

TRC

9 April 1997

MEMORANDUM FOR DEFENSE TECHNICAL INFORMATION CENTER
ATTENTION: OMI/Mr. William Bush

SUBJECT: Declassification of Reports

The Defense Special Weapons Agency (formerly Defense Nuclear Agency) Security Office has reviewed and declassified the following reports:

+ ST-A

AD-366748 -	XRD-65
AD-366747 -	XRD-64
AD-366746 -	XRD-63
AD-376826 -	XRD-60
AD-376824 -	XRD-58
AD-376825 -	XRD-59
AD-376823 -	XRD-57
AD-376822 -	XRD-56
AD-376821 -	XRD-55
AD-366743 -	XRD-54
AD-376820 -	XRD-53
AD-366742 -	XRD-52
AD-366741 -	XRD-51
AD-366740 -	XRD-50-Volume-2
AD-366739 -	XRD-49-Volume-1
AD-366738 -	XRD-48
AD-366737 -	XRD-47

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9 April 1997

SUBJECT: Declassification of Reports

AD-366736 -	XRD-46
AD-366735 -	XRD-45
AD-366723 -	XRD-37
AD-366721 -	XRD-35
AD-366717 -	XRD-31-Volume-2
AD-366716 -	XRD-30-Volume-1
AD-366751 -	XRD-68-Volume-2
AD-366750 -	XRD-67-Volume-1
AD-366752 -	XRD-69
AD-366744 -	XRD-61.

All of the cited reports are now **approved for public release**. Distribution statement "A" now applies.

Ardith Jarrett
ARDITH JARRETT
Chief, Technical Resource Center

Completed
1 mar 2000
B.W.