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ADVANCED HYDROFOIL DEVELOPMENT TRIALS PROGRAM DOCUMENTATION REV--ETC(U)
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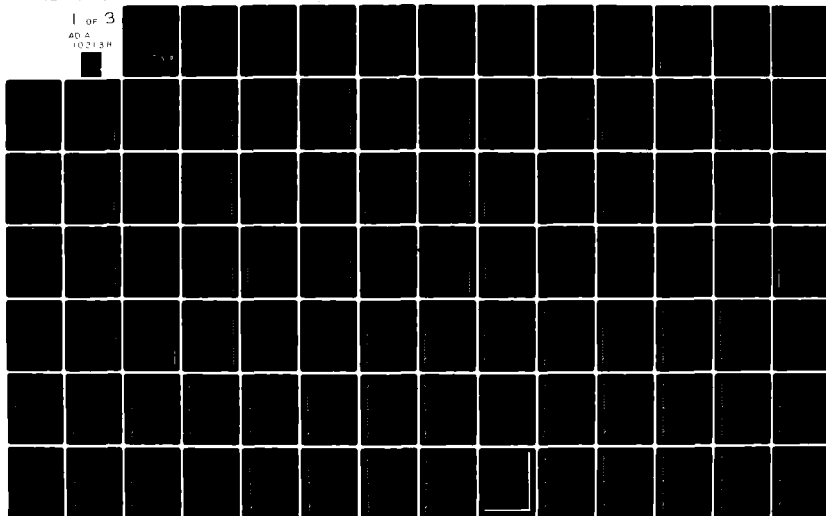
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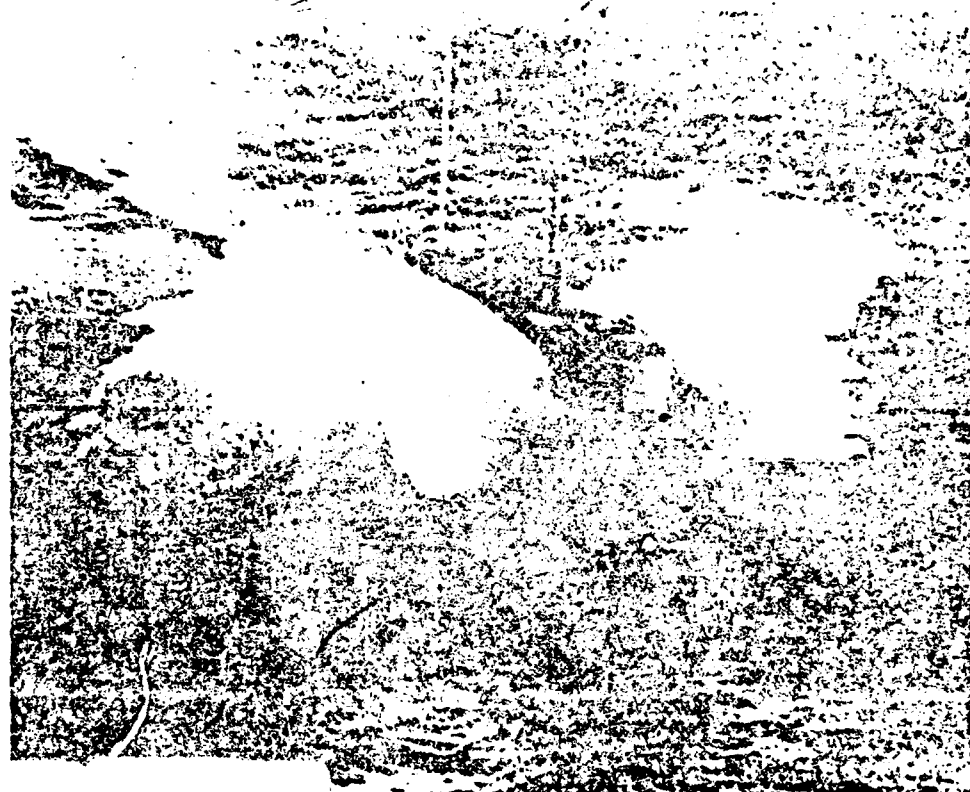


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Contract N00600-75-C-0799

ADVANCED HYDROFOIL DEVELOPMENT TRIALS PROGRAM
DOCUMENTATION REVIEW



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ADVANCED HYDROFOIL DEVELOPMENT TRIALS PROGRAM

DOCUMENTATION REVIEW

INTRODUCTION

Background

FY 78 Congressional action, delineated in House Report 95-451, required the Navy to deactivate/mothball the PLAINVIEW (AGEH-1) and HIGH POINT (PCH-1) by 30 September 1978. The DTNSRDC Advanced Hydrofoil Program Office reviewed the trials program documentation for these two hydrofoils for completeness and for the data generated prior to deactivation. Wheeler Industries, Inc., under contract number N00600-75-D-0799, was tasked (FD 16) to assist DTNSRDC Code 115 in this review. The Statement of Work for this task is given in Enclosure (1).

The task was to review all trials reports of PLAINVIEW and HIGH POINT since 1972 and system modernization documentation on these ships for the period 1973-1977 inclusive and to identify where documentation was incomplete. The Hydrofoil Special Trials Unit (HYSTU) at Bremerton, Wa., The Boeing Co., at Seattle, Wa., and the Advanced Ship Data Bank (ASDB) of DTNSRDC, Carderock, Md., in addition to the Advanced Hydrofoil Program Office at DTNSRDC, were designated sources of documentation. This report summarizes the findings obtained during conduct of the task.

Approach

All trials plans issued or approved Jan 1972 or later and those not completed by Jan 1972 in the technical or mission category were reviewed for reporting requirements and status. WTAs for the years 1975 to the present were also reviewed since these work tasks are now used for trials as well as modification and installations. The ASDB was searched for documents relating to PCH-1 and AGEH-1 and trials. HYSTU and The Boeing Co. Marine Division records were reviewed which required travel to the Seattle, Wa. area, and Hydrofoil Program participants D. Washburn, (NOSC Code 232), W. Buckley (DTNSRDC Code 1730.3), and H. Schab (DTNSRDC Code 2707) were contacted.

The Hydrofoil Program Office personnel (DTNSRDC Code 115 and staff) also provided inputs.

*Senate-House Conferees on the 1979 Defense Appropriations Bill agreed 11 October 1978 to retain HIGH POINT as a test vehicle through FY 80.

Preliminary findings, summarized in a report on 17 July 1978, were reviewed by HYSTU, The Boeing Co. Marine Division, and the Hydrofoil Program Office personnel. The comments, additional data, recommendations from the reviews and decisions are reflected in this report.

APPENDED MATERIAL

The Boeing Co. Marine Division furnished its listing of trials plans from early 1967 (when the HYSTU last three digit consecutive numbering system for trials plans was started) and WTAs for 1975 to the present. These have been combined with the HYSTU Trials Plans listing, updated with the findings from this task, and are included as Attachments 1 and 2 to this report. The Trials Plans Advanced Ship Data Bank (ASDB) numbers have been added to the Trials Plans listing under the Trials Plan number. Those plans for which an ASDB number is missing are not in the ASDB and no copy has been found. Attachment 3 contains a listing of voyages of PLAINVIEW (AGEH-1) for the calendar years 1977 and 1978.

A listing of the U.S. Navy hydrofoil development program trials related documentation in the ASDB is provided as Attachment 4. This listing is by categories as follows:

Technical Trials

- Hull Structures
- Propulsion
- Controls
- Auxiliary Systems
- Struts and Foils
- Materials

Mission Trials

- Weapons
- C&C, Navigation, and Sensors
- Signatures

Performance Trials

- Characteristics
- Operational

Structural

Hydrodynamics

Within these categories the entries are by corporate author alphabetically and, within this source, chronologically.

There are a total of 564 trials related documents in the ASDB.

The last fourteen pages of the computer printout contains all the trials related documentation classified with relevance 1, 2 or 3.

BRIEF SUMMARY OF FINDINGS

The results obtained are grouped in several categories and presented in Tables 1 through 3. Each table is discussed in the following paragraphs.

1. Plans for Which Reporting was Incomplete

Table 1 contains a sequential listing of Trials Plans which may be of significance and which were not completed at the time of this review. Status, comments, and recommender's disposition of the Trials Plans are provided. Recommendations are based on comments from program participants.

This listing is shorter than the one in the Preliminary Report of 17 July 1978 since documentation from some of the plans has been located and copies obtained for the ASDB.

2. Trial Related WTAs not Fully Completed

All of the work tasks noted in Table 2 will have documentation prepared for them by The Boeing Co. WTA 0618-75-002H, "History of Hydrofoil Foreign Object Imports", noted in the Preliminary Report of 17 July 1978, was found to have been cancelled due to the extent of recording hunting that would be required to recover data. This seems unfortunate since the questions of the frequency and seriousness of object impacts seems to always arise in discussions on hydrofoil applications.

3. AGEH-1 Overhaul and Mod-Major Modifications Documentation

Table 3 contains a listing, with comments, on the status of selected overhaul and Mod documentation significant enough to warrant expending effort to obtain.

4. Suggestions for Development and Tests

There were several comments received during the performance of this task on AGEH-1 subsystems

for which some additional testing or development would be of value to the Advanced Hydrofoil Systems Development Program. Some program participants suggested that inclusion of these items in the report is beyond the scope of the task, and that an industry-government planning conference covering all future development/trials effort would be the appropriate vehicle for addressing the suggestions.

Accordingly, only the subsystems of interest that were mentioned are listed, as follows:

- AGEH-1 Transmission System powering tests
- HY130 tail strut
- Lube oil water separator bench tests
- Waste disposal system developments
- PACS disposition

5. Existing Documentation not in ASDB

A number of pieces of documentation existing for PCII-1 and AGEH-1 were identified as having never found their way into the ASDB. Those identified and available have been obtained, classified, and entered into the ASDB.

6. Other

- a. Reports from WTAs are not distributed to the ASDB. They must be requested. For example, the Ships' Plan Index (SPI) updating (1107-78-003P) is still to be completed; it was requested during the visit to The Boeing Co. Reports of interest prepared on other WTAs will have to be requested by DTNSRDC (HYSTU) for the ASDB.
- b. Pressure sensing trial requested by Van Bibber and already run has no Trial Plan, WTA or official agenda. Copy of his report due by the end of the FY.

ADDITIONAL COMMENTS AND OBSERVATIONS

1. Structural Trials

- a. PCH-1 present trials data to be reported out by DTNSRDC Code 173 in a blue cover report but funds are needed for printing as soon as report is finished.
- b. Still no sufficiently defined loads on hull, S/F, or king post for efficient design. (This was a DTNSRDC Code 173 comment).

2. ASDB ENTRIES

A number of reports filed on Trials Plans were not classified for entry into the ASDB referencing the Trials Plans. A number of classification errors and omissions on report content were also noted. About 200 classification sheets were pulled and have been updated/corrected.

The document and trials plans listed below were not in the Advanced Ship Data Bank. They have now been classified and will be added to the data base during the November up-date scheduled for 2 November 1978. These documents, therefore, do not appear in Attachment four, the computer print-out of trials related documentation.

<u>Trials Plan No.</u>	<u>DB/No.</u>
ANA042-A337	10-U10074
AHY101-IP338	10-U10075
ANA044-A340	10-U10076
AHY104-H341	10-U10077
CNE031-P320	10-CO1223
CNE032-P321	10-CO1224
CNE033-P322	10-CO1225

Ltr. Ser. 47-76 (10/76) for Trials Plans BHY097-P333	10-U08412
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3. Number of Trials Plans

As a matter of interest the number of trials plans (or equivalent agendas) are shown in Figure 1 for the years since 1971. The effect of AGEH-1 mod time and the decrease in program funding for hydrofoil development is readily apparent.

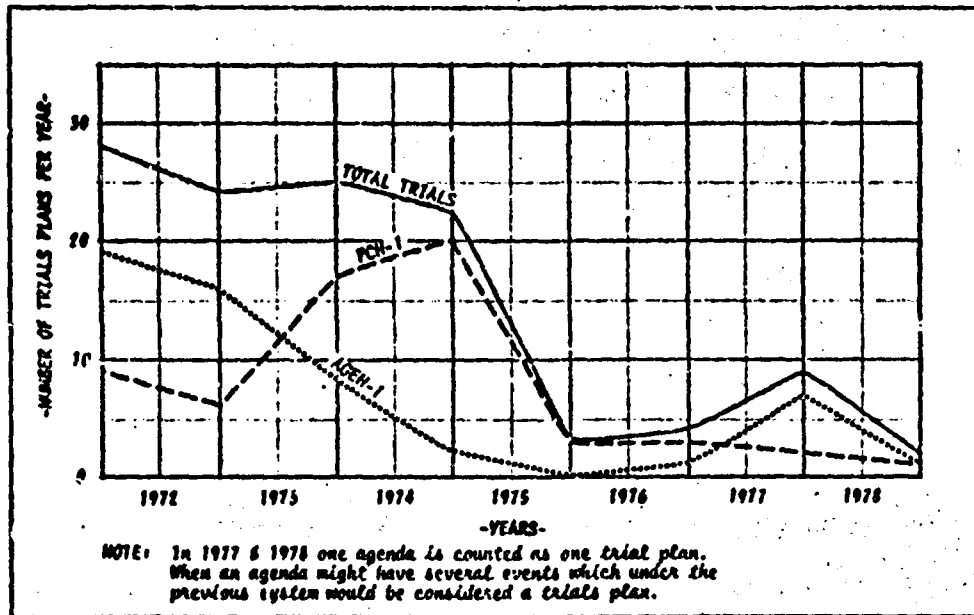


Figure 1 Total number of trials conducted by year.

TABLE 1. TRIALS PLANS NOT FULLY COMPLETED

TRIALS PLANS NUMBER	DATE ISSUED OR APPROVED	TITLE	COMMENTS	ACTION/STATUS/DISPOSITION
1. ANT00000000	Approved 7/23/69 Ser 132-43; Rev A 10/16/70 Ser. 194-70	Passive Cathodic Protection System for ACEN-1	Plan revised to use sprayed zinc hull coating passive system or impressed Current Cathodic Protection (ICCP) active system. The zinc spray was abandoned as impractical. The ICCP was installed in the ACEN-1 and was shut down when blisters appeared on the shield or anodes.	Cancel: Tests, not run under controlled conditions, provided little data to form the basis for report.
2. BW00000000	Approved 11/22/71 Rev. Ser 360-71	ACEN-1 Cable Water Pelt Load Character- istics (Part A)	At 8 Oct 1974 Trial Board meeting, Sen States 3 and 4 data requested to be included in report but few state data obtained from these trials is very limited.	Cancel: Better hull load data available from other ships. Data obtained is not worth cost of reducing and reporting on.
3. BW00000000	Approved 11/30/71 Ser 381-71	PLAINTEY (ACEN-1) Hullborne Rough Water Motion Characteristics	Boeing Ltr Rpt 2-1524-1000-988 (6/8/73) noted that trials only 23% complete and manner in which trials conducted precluded valid data re- duction and reporting.	Close out. ACEN-1 now deactivated. Data not worth cost of reduction and reporting.
4. ANT00000000	Approved 7/71/72 Ser 355-72	Forced Ventilation of Perilous Propel- lers on PLAINTEY (ACEN-1)	Trial results inconclusive. Testing was attempted to determine effects on torpedoes just prior to test-off.	Complete. Further tests on ACEN-1 were ruled. With POCs test-off procedure could be altered to reduce time of action and magnitude of torpedoes within acceptable limits.
5. ANT00000000	Approved 11/17/72 Ser 365-72	Waste Destruction System on Hydrofoils	No shipboard trial conducted. Bench- tested to assure unit workable in hydrofoils. Returned unit to ONR.	Cancel. No funds to install unit, which can be tested on another ship.
6. BW00000000	Approved 4/6/73 Ser 80-73	PCN-1 Mod 1 Smooth Water Characteriza- tion	Boeing data in form of curves for inclu- sion in ship Definitive Characteristics Blindry transmitted by Boeing Ltr 2-1524- 1000-1248 (6/29/70). Minimum but adequate data on most normal hullborne ops except speed-power included. De- finitive Characteristics Bladder in ASDB not updated with this data.	DEFINITE Code ISI plus additional time and speed-power data for Definitive Char- acteristics Bladder from this trials plan, then close out.

TABLE 1. TRIALS PLANS NOT FULLY COMPLETED (continued)

<u>TRIALS PLANS NUMBER</u>	<u>DATE ISSUED OR APPROVED</u>	<u>TITLE</u>	<u>COMMENTS</u>	<u>ACTION/STATUS/DISPOSITION</u>
7. BWV065-7228	Approved 8/17/73 Rev. A approved 11/19/73 Ser. 281-73	HARPOON Weight Sensor Competitively Evaluation	Testing included some rapid fire conventional weapons tests which should be reported on.	Close out. Complete results from this plan and BWV065-7228 into report for plan BWV065-7228. 8-20 report number 2-1234-1000-122 (AET 9 10-11-1973) provides additional information.
8. BWV065-7228	Approved 1/17/74 Ser. 36-74 Rev. 1/22/74 Ser. 36-74	Rough Water Trials MOD 1 Rev. B	Limited number of events run. Closed out with note that new trials plan be prepared.	Close out. Report for trials plan BWV065-7228 will contain results from this trials plan.
9. CWV065-7228	Approved 7/19/74 Ser. 282-74	Underway Replenishment Station Keeping with Electronic Devices	PACS has circuit providing programmed station keeping feature.	Complete. If PACS is installed on HICR-POINT prepare new first plan to incorporate station keeping feature.
10. BWV065-7228	Approved 7/17/74 Ser. 271-74; Rev. A 12/4/74 Rev. B 1/27/75	MODAP Tests - Effect of Varying Salts on Hullborne Motion	Attempted trials. Insufficient sea state.	Cancel. Hullborne motion test for rough water trials BWV065-7228.
11. CWV065-7228	7/25/74	HARPOON (Mod 2) Sensor/HIGH POINT ROC Trials (U) Confidential	Only ROC portion of trials conducted.	Cancel. Data not of sufficient value to report out now.
12. BWV065-7228	Approved 8/22/74 Ser. 305-74	Sundstrand AHT-6 Radar Altimeter - Height Sensor Evaluation on Hydrofalls	PCI-1 for 3000 feet 5-75 (2/2/70) (verified by HYSTU memo 1154, AWDV; the (2/5/74) and NELC-0600-2/2 2968 (2/19/76) contained AHT-6 Radar Altimeter test results on PCI-1 and PCI-1, respectively.	Close out. Combine data from this trials plan and plan BWV065-7228 into report for plan BWV065-7228.
13. BWV065-7228	Approved 9/18/74 Ser. 315-74; Rev. P 12/4/74; Rev. 1/16/75	Evaluation of September 1974 Hydrofalls Digital Altimeter (MODAP) Configuration on PCI-1 MOD 1	Trials verified minor improvements to bearing hold, fade in circuit on heading change, reduced hullborne gains, faster turn on Williamson turns.	Close out. Report must require a checkout only.
14. BWV065-7228	Approved 12/4/74	PCI-1 MOD 1 Flip Effectiveness - Static Dynamic, Bearing Manuevers and Following Breaching	Trials data reduced and sent to DTNSRDC Code 1507 for report. Preliminary look at results shows large scatter, no trends.	Cancel. Count to do complete analysis too high to warrant questionable results.

TABLE 1. TRIALS PLANS NOT FULLY COMPLETED (continued)

TRIALS PLANS NUMBER	DATE ISSUED OR APPROVED	TITLE	COMMENTS	ACTION/STATUS/DISPOSITION
18. ANW066-P230	Approved 12/4/73	Base Line PCN P20 1 Smooth Water Speed and Powering	PCN-1 Mod 1 speed and powering data from these and other pertinent trials were used to define a median speed-power curve for the ANVCE study. See report 2-1324-1000- 1337 (8/1/75) submitted.	DTNSDC Code E31 plot results and in- terpolate to ship Cavitation Characteris- tics Reader, then close out.
19. ANW067-P231		PCN-1 1975 Rough Water Trials	This was a major trials effort and results were used for inputs to the local criteria data.	DTNSDC Code D70.3 prepare report on structural data for PCN-1 Rough Water Trials Plans. ETRDC Code E31 publish report of motion data on PCN-1 in ship Cavitation Characteristics Reader, then close out.
20. ANW076-P236		PCN-1 Forward Roll Cavitation	Much of the trials data is presented in the Cover Sheet H-7520-7524-013 (10/4/76). "Analysis of FEGASUS (PHIN-1) and HIGHPOINT (PCN-1, Mod 1) Roll Cavitation and Camber."	DTNSDC Code 1151 arrange for report to be prepared on PCN-1 forward roll cavitation. Close out.
21. BNW090-P238	12/29/73	Regional International Anti-Cluster Radar System (ACR) Evaluation	Initial trials were conducted on PCN-1 and results used to update the system prior to continuation of tests.	Cancel. All equipment has been forwarded to USCG for continuation of tests.
22. ANW094-P240		T.R.T.-BNW-20 Radar Altimeter	DTNSDC Code 1154.5 to prepare for report on trials. ANV-20 trials con- ditions same as those for ANV-6 under BNW093-P235.	DTNSDC Code US4.3 prepare report on testing data for this plan. BNW093-P21, and BNW093-P235, then close out.
23. BNW074-P243		Experimental Determination of Array Servicing Needs	NUSC 3373 requested trial. Design work continuing on installation, head- ling gear, cable for performance tests.	Close out. No report from NUSC 3373 planned. Revise plan for performance tests on PCN-1 or on PH-1 as scheduling permits.
24. BNW080-P244		MS1001 VDS Trials	Boeing to report on testing completed to date under WTA 1167-79-810F.	Boeing report scheduled for 9/79. PCN-1 remained keep with plan active.

Table 2. TRIAL RELATED WTAs NOT FULLY COMPLETED

WTA or Operating Procedure Number	Date Approved	Subject	Author	Status/Comment
1. 1107-77-012A	6/14/77	Annotating AGEH-1 Post Overhaul checkout Agenda	D. Sorenson	In work at Boeing; report due after deactivation.
2. 1107-79-005A	1/24/77	PLAINVIEW (AGEH-1) Dutch Roll and Height Transient Investigation. Agenda 77-H-A01X.	J. Coleman	Effort commenced mid-August. Final report after deactivation.
3. 1107-79-003A	4/24/78	PLAINVIEW (AGEH-1) characterization curves.	S. Arima	Effort commenced about 1 Sept. Final report due after deactivation.
4. 1107-79-110P	4/24/78	HIGHPOINT (PCH-1) characteristic data (Towing configuration)	S. Arima	Effort commenced mid-Sept. Final report due after deactivation.
5. 1107-77-013A	8/24/77	Annotate AGEH-1 PACS Investigation per Agenda Nos. 17-11H-A01X 77-11-A02X	J. Coleman	Work to continue on this task starting mid of September. It will be completed after deactivation.
a. Agenda 77-E-A01X	8/24/77	PACS Pitch Heave Oscillation Investigation	J. Coleman	
b. Agenda 77-E-A02X	8/24/77	Yaw Oscillation Investigation	J. Coleman	Test agenda checkout results mid-August: - o 95% for Hydraulic System - o 50% for PACS - o 15% for AGEH-1 remaining Shipboard Systems
6. 4711.1		AGEH-1 Post Overhaul Standard Dockside Checkout		

Boeing WTA

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TABLE 3. AGEH-1 OH AND MOD- MAJOR MODIFICATIONS DOCUMENTATION

	Satisfactory. Reports in ASDB.
1. Fire Fighting System	Boeing WTA 1107-78-009A. "AGEH-1 Hydraulic System Evaluation" Report due after deactivation.
2. Hydraulic System	Boeing WTA 06818-74-108AA. "AGEH-1 Hydraulic System Engineering Support" (approved 7/24/74) Reporting, due after deactivation: (1) The AGEH-1 new Hydraulic System Operating and Maintenance Manual" (2) The AGEH-1 Hydraulic System Schematic, updated to reflect "as installed" system.
3. ACS (HUDAP, PACS)	Boeing WTA 1107-78-006A. "PACS Installation, Operation and Maintenance Chronicle." Report due after deactivation.
4. HY130 Tail Strut	Boeing WTA-1107-78-011A. "PLAINVIEW Automatic Control System. Evaluation of." Report due after deactivation.
5. Propeller Failure	Compt. e. Documentation (Grueman) No. 18. HYSTU has requested Grueman Aerospace Corp. to send set of drawings on file. A set of documentation has also been requested for the DTNSRDC ASDB. Boeing WTA 1107-77-010A and Rev. e. "Examination of Failed AGEH-1 Propeller Blade 4977." Metallurgical Lab Report completed; refer to Boeing Ltr. H-2308-1000-2331 (12/12/77). DTNSRDC Code 1154.3 prepare letter report on history of failures of propeller on AGEH-1.
6. Transmission System	Full power test under Agenda No. 78-II-A01X. "PLAINVIEW AGEH-1 Full Power Trials, Hullhome." could not be completed prior to deactivation. History report will be completed by DTNSRDC Code 2707 10/78.
7. Torque and Thrust Meter History	Thrust meter problems on AGEH-1 were the result of failure during installation to protect wiring connectors in the pods from the environment. DTNSRDC Code 1154.3 prepare letter report on history of torque and thrust meters on AGEH-1.
8. GRP Fueling History	A report by DTNSRDC Code 2707 is recommended. An article in the Naval Engineer Journal Vol. 89, No. 3 (4/77). "GRP Fueling/Shipboard Applications." by H.W. Seab and G.F. Wilhelm has been obtained for the DTNSRDC ASDB.

STATEMENT OF WORK

Task: The contractor shall:

- a. review all trial reports of the HIGH POINT and PLAINVIEW since 1972.
- b. Compare trial reports with trial plans and identify all areas where expected results were not attained.
- c. review all system modernization documentation accomplished from 1973-1977 inclusive.
- d. identify where documentation is incomplete regarding work accomplished and results attained.
- e. analyze technology documentation gaps and prepare plan for completing documentation prior to deactivation.

Enclosure (1)

**ADVANCED HYDROFOIL DEVELOPMENT TRIALS PROGRAM
DOCUMENTATION REVIEW**

ATTACHMENT-1 TRIALS PLANS LISTING

Plan & ASDB No.	Issued or Approved	Title	Status
CHY002-P001		Dockside Dummy Torpedo Firing	Complete in 1967
ABE001AP002 10-U06921	3/10/67	Foilborne Transmission Disconnect Coupling Modification - Short Range	Complete in 1967
ABE002-P003 10-U06920	3/10/67	Foil Tip Load Alleviation Study	Complete in 1967
ABE006-P004	3/21/67	Inspection Window - Foilborne Upper Gearbox Input Coupling	Complete in 1967 Drydocking
AIY001-P005 10-U07086	4/12/67	Ships Service Hydraulic System Modification - Outdrive Retraction	Complete in 1967
CHY003-P006 10-U07087	4/12/67	Torpedo Firing	Complete in 1967 Trials, Document D2-133703-7
CHY004-P007		Replenishment at Sea	Complete in 1967 Trials, Document D2-133703-11
ABE007-P008 10-U06917	3/28/67; Rev A 4/26/67	Retraction Mechanism Calibration and Inspection	Complete in 1967 Dockside Tests
BBE003-P009 10-U06919	3/30/67	After Foil Tip Structural Test	Complete in 1967 Drydocking Document D2-133703-18
CHY005-P010		Navigation Capability	Complete in 1967 Trials, Document D2-133703-9
ABE011AP011 10-U06923	3/30/67	Foil System Coatings	Complete
AIY006-P012 10-U07088	5/5/67	Fuel Tank Sealing	Complete in 1967 Drydocking
BBE008-P013 10-U06916	7/2/68; Rev C 7/5/68	Forward Strut Pressure Distribution	Complete in 1967 Drydocking, letter report
AIY007-P014 10-U07089	-	Closed Circuit TV Camera Trainable Mount	Canceled; No valid reason for the plan.
CNE002-P015 10-U07165	5/5/67	Sonar Bearing & Range Accuracy Test	Canceled; Sonar equipment removed from craft

Plan & ASDR No.	Issued	Title	Status
CNE003-P016 10-U07166		Evaluate Search and Rescue (SAR) Capability-Establish SAR Doctrine	Canceled 11/16/70 Ser. 217-70
ABE009-P017 10-U06915	3/30/67	Modified Fairing at the Foil System Pod and at System Strut Foil Intersection	Complete in 1967 drydocking
ABE039-P018 10-U06897	5/11/67	Installation of 75KC Tracking Capability	Complete in 1967 drydocking
CNE001-P019 10-U07164	5/24/67	Flow Noise Measurements Using Depth Sounder	Canceled 11/16/70 Ser. 218-70
ABE032-P020 10-U06901	4/24/67	Foiborne Power Train Inspection	Complete in 1967 drydocking
ABE030-P021 10-U06902	5/4/67	Autopilot Hydraulic System Modification	Complete in 1967 drydocking
ABE037-P022 10-U06898	4/25/67	Autopilot System-Proteus Pump Unloading Test	Complete in 1967
ABE041-P023 10-U06896	5/15/67	Aft Strut Fences (Mfg. & Instl.)	Complete in 1967 drydocking
AHT008-P024 10-U07090	5/24/67	Modification of Flushing System	Complete in 1967 drydocking
ABE026-P025 10-U06905	5/3/67	Autopilot Modification for Foil Tip Load Attenuation	Complete in 1967 drydocking
AHY009-P026 10-U07091	5/24/67	Miscellaneous Drydock Jobs	Complete in 1967 drydocking
CNE004-P027 10-U07167	5/16/67	Acoustic Calibration of Depth Sounder	Canceled 11/16/70 Ser. 219-70

Plan & ASDB No.	Issued or Approved	Title	Status
88E043-P028 10-U06993	5/22/67	Pre-Drydock Reference Condition Tests of Craft Performance	Complete in 1968 Documents D2-133703-17 and D2-133614-1
88E022AP029 10-U06907	5/23/67	Aft Foil and Strut Load Data Analysis Being Reported with BE059-P087	Complete
88E018-P030 10-U06910	5/23/67	Analysis of 1966 Rough Water Trials	Complete in 1968 Document D2-133608-1
88E017-P031 10-U06911	5/16/67	Analysis of 1966 Smooth Water Trials	Complete in 1967
88E004-P032 10-U06918	5/22/67; Rev. 7/18/67	Aft Foil System Instrumentation	Complete in 1967 Drydocking
88E010-P033 10-U06914	3/29/67	Data Review of Steering Performance	Complete in 1967
88E035-P034 10-U06900	5/31/67	Aft Foil System Structural Response Study	Complete in 1968. See Document D2-133612-1
CNE005-P035 10-U07168	6/30/67	PCH - Depth Sounder Evaluation	Complete in 1968 trials Document D2-133703-35
CNE006CP036 10-U07169	4/25/67	PCH Towed System Trials - Towline Evaluation	Report due 6/1/72 Complete NUC TP 241 Ser 244-72 7/7/72
CNL001-P037 10-U07199	4/17/68	PCH Gunnery Trials - MK3 MOD 4 40mm Mount (STRUCTURAL SURVEILLANCE)	Complete in 1968 Trials, Document D3-133703-31
AA001-P038 10-U07262	7/3/67	Dynamic Meas. of Aft Foil Structure and Foilborne Transmission	Complete in 1967

Plan & ASDB No.	Issued or Approved	Title	Status
ABE044-P039 10-U06895	6/9/67	PCH Instrumentation Plan	Complete in 1967 drydocking
ABE029-P040 10-U06903	7/19/67	Autopilot Log and Autopilot Maintenance Manual Revision	Log completed in 1967 and manual completed in 1968. See D2-133618-1
ABE019-P041 10-U06909	6/27/67	Foilborne Operations Manual for PCH-1	Canceled Need superseded by PCH-1 (Mod 1) plans to incorporate a new autopilot.
BHY010-P042 10-U07092	9/5/67 Ser 82-67	PCH Foilborne Propellers - Mod with B. F. Goodrich Inlays	Complete in 1968 trials. See Document D2-133624-1 and D2-133703-37.
CNA002-P043 10-U07263	8/28/67	Evaluation of Helm Control at High Speeds	Canceled 11/16/70 Ser. 224-70
BBE049AP044 10-U06894	8/25/67	Post Drydock Verification and Smooth Water Initial Evaluation Trials	Complete Aug. 1969. See Documents D2-133631-1 and D2-133703-20.
CNA003-P045		Magnetic Field Measurements on PCH-1 (Classified)	Complete in 1968 trials Document D2-133703-21
CNE007-P046 10-U07170	9/18/67 Ser 89-67	Foilborne Simulated Night Navigation Mission	Complete in 1968 trials. Document D2-133703-28
CNE008-P047 10-U07171	9/18/67 Ser 89-67	Surveillance/Reconnaissance and Simulated Gunfire Mission	Complete in 1968 trials. Document D2-133703-26
CNE009-P048 10-U07172	9/18/67 Ser 89-67	Off Shore Patrol and Search	Complete in 1968 trials. Document D2-133703-27.
CNE010-P049 10-U07173	9/18/67 Ser 89-67	Convert UDT Delivery Missions	Canceled 11/16/70 Ser. 220-70

Plan & ASDB No.	Issued or Approved	Title	Status
CNE011-P050 10-U07174	9/18/67 Ser 89-67	Daylight UDT Delivery Mission	Canceled 11/16/70 Ser. 221-70
CNE012-P051 10-U07175	9/18/67 Ser 89-67	Task Force Operation	Canceled 11/16/70 Ser. 222-70
CNE013-P052 10-U07176	9/18/67 Ser 89-67	Endurance Mission	Canceled 11/16/70 Ser. 223-70
ABE056-P053 10-U06889	7/14/67	Height Sensor Calibration Fixture	Complete in 1967 Drydocking
B8E051AP054 10-U06891	9/15/67	Speed, Power and Take-off Margin Reference	Canceled, Reinstated, Completed, Revived by Revision A 12/16/71
B8E050-P055 10-U06892	10/4/67	Re-evaluation of Foilborne Operating Envelope	Complete, Reported with BE079-P089 in 1968
B8E020-P056 10-U06908	8/25/67	On Board Wave Height Measurement Instrument	Complete in 1968, Document 10-72108
B8E057-P057 10-U06886	10/3/67	Control System Pre-Rough Water Adjustments and Refinements	Complete in 1967 trials, Document D2-133703-23 and D2-133628-
CNU001-P058 10-U07196	10/24/67 Ser 110-67	Acoustic Trials at NTS, Keyport	Complete in 1967 trials, Document D2-133703-22
ANA004-P059 10-U07284	11/16/67 Ser 112-67	Zurn Transmission Coupling Evaluation	Complete in 1968 trials, Document not published.
AHY011-P060		Salt Water System Valves, PSNS Design	Complete in 1968 drydocking
ABE061-P061	11/3/67	Gas Turbine Drive Coupling	Complete in 1967 drydocking
ABE058AP062 10-U06885	10/13/67	After Strut Trunk Measurements on PCI-1	Complete in 1968, Sec D2-133621-1
B8E052AP063 10-U06888	10/24/67	Rough Water Technical Trials - Foilborne Maneuvering and Seakeeping	Complete in 1968, Document D2-133703-25 and D2-133623-1 & 2
ABE063AP064 10-U06883	12/8/67	Foilborne Propellers - Repair, Continuing Inspection and Documentation of Activity	Completed in 1969, Document D2-133624-1

Plan & ASDB No.	Issued or Approved	Title	Status
88E064-P065 10-U06881	12/8/67	Integrated Rough Water Trials Data Requirements	Complete in 1968. Processed data sent to NSRDC.
88E065-P066 10-U06880	12/14/67	Weight Updating and reporting for HIGH POINT	D2-133622-1 Mod 0 Close-out Complete
88E053AP067 10-U06887	11/22/67	Rough Water Speed, Power and Takeoff Margin Test Plan for HIGH POINT	Canceled superseded by HM005CP099 using torque meter.
ABE036-P068 10-U06899	4/26/67	Data System Documentation	Completed 6-14-74
CHR001-P069 10-U07197	3/29/68 Ser 48-68	Torpedo Tests, Exercise Shots	Completed in 1968 trials Documentation D2-133703-29
88M002AP070 10-U07202	3/5/68	Thrust and Torque Measurements	As Built records completed in 1969
ABE076-P071 10-U06870	3/6/68	400 Cycle Supply System Modification	As built records completed in 1969
ABE071AP072 10-U06875	3/5/68	Hull Underwater Windows for Aft Strut Viewing	As built records completed in 1969
ABE0608P073 10-U06884	3/1/68	Pelorus Installation	As built records completed in 1969
CNL002-P074 10-U07198	8/7/67 Ser 73-67	Gunnery Trials, 40mm Mount	Completed in 1968 trials. Report D2-133703-31
ABE077CP075 10-U06869	Approved 6/23/69 Ser 124-69	True Motion Display System, Repair and Calibration	As built records completed in 1969
BNS001-P076 10-U07200	3/28/68 Ser 52-68	Salt in Air Sampling	Completed in 1968 trials
88M001-P077 10-U07201	10/20/67	Seaworthiness Tests	Complete in 1968 trials Document D2-133703-25
88E074CP078 10-U06872	7/2/68; Rev B 7/11/68	Strut Side Slip Angle Indicator	As built records completed in 1969
ABE0668P079 10-U06879	3/1/68	Miscellaneous Mechanical Modification and Repair	As built records completed in 1969

Plan & ASDA No.	Issued or Approved	Title	Status
ABE0678P080 10-U06878	3/1/68	Miscellaneous Autopilot Hydraulic Modification and Repair	As built records completed in 1969
ABE0788P081 10-U06868	3/7/68	Control System; Miscellaneous Clean-up and Modification	As built records completed in 1969
B8E0738P082 10-U06873	3/14/68 Rev A 4/30/68	Forward Foil System Structural Instrumentation Plan	Completed; see Document D2-133629-1
CHY012-P083		Endurance Trip for HIGH POINT (Portland)	Canceled 11/16/70 Ser. 225-70
ABE081AP084 10-U06866	4/5/68	PCH Mod "0" Critical Dimension Survey	As built records completed in 1969
ABE085-P085 10-U06864	5/3/68	Damage Survey - Interim Repair May 1968	Complete in 1968 Drydocking
ABE086AP086 10-U06862	5/68	Miscellaneous Repairs on Hull, Strut and Downlock for 3 April Damage	As built records completed in 1969
B8E069-P087 10-U06877	5/15/68	1967/68 After Foil and Strut Loads Data Analysis	Completed 3/6/70, Document D2-133610-1
ABE088-P088 10-U06860	6/6/68	Watertight TV Camera Housings	As built records completed in 1969
ABE079-P089 10-U06867	5/29/68	Smooth Water Foilborne Control & Behavior Analysis - PCH-1 Sept. 1967/May 1968	Complete in 1968. See Document D2-133628-1
B8E087-P090 10-U06861	5/29/68	Debris Detection for Hydrofoil Ships - Feasibility Study	Complete in 1968. See Document D2-133045-1
ABE090AP091 10-U06858	7/16/68 Rev A 11/11/68	100 KH Generator and Electrical System Change	Completed in 1969
ANA008AP092 10-U07208	Rev. A approved 1/6/70 Ser. 02-69	Throttle Modification and Repair	Complete 1972 Overhaul 8/9/72 Ser. 281-72
ANA005AP093 10-U07265	9/9/68	Determination of Machinery Vibration Characteristics of PCH-1	Complete 8/9/72 Ser 282-72

Plan & ASDB No.	Issued or Approved	Title	Status
AWA006-P094 10-U07266	9/3/68	Emergency Exit Arrangement for Machinery Space of PCH-1	Complete in 1969
ABE095-P095 10-U06854	8/30/68	PCH-1 Rehabilitation of Nacelle Strain Gages M1 and N1	As Built Records completed in 1969
BHM003-P096 10-U07203		Foilborne Dynamic Response Tests (PCH-1)	Trials completed. Report Complete TN-P-196 per Ser 378-72, 11/14/72
BHM006BP097 10-U07205	9/24/68 Ser 154-68 Rev B 3/7/69	PCH-1 Hullborne Vibration Tests	Complete
BHM004BP098 10-U07204	9/24/68 Ser 156-68 Rev B 10/22/68 Ser 184-68	EM Speed Log; Rough Water Performance Using Towed Knot Meter for Comparison	Complete
BHM005CP099 10-U07206	10/30/68 Ser 191-68 Rev C 12/11/68	Foilborne Speed and Power Tests (PCH-1)	Complete NSRDC T&E 264H-06 TN-P-12 TN-P-17
88E070AP100 10-U06876	8/16/68	Forward Foil and Strut Loads Data Analysis (Series A)	Complete
88E082-P101 10-U06865	8/15/68	Smooth Water Hydrodynamic Trials (Series A)	Complete
ABE094-P102 10-U06853	9/17/68	Installation of Additional Recording Channels on PCH-1	Completed in 1968 drydocking
ABE089-P103 10-U06859	10/14/68	1969 Post Drydock Verification Trials	Completed in 1969
AHY013AP104 10-U07093	10/14/68	Installation of Auxiliary Electrical Heating System Onboard HIGH POINT (PCH-1) for Improved Habitability	Completed in 1969
ABE091BP105 10-U06857	8/15/68	Integrated Camera System	As Built records completed in 1969
BHM007AP106 10-U07207	Approved 6/17/69, Ser 114-69, Base 11 approved 5/15/69 Ser 186-69	Single Engine Performance	Complete TN-P-15

Plan & ASDB No.	Issued or Approved	Title	Status
ABE093-P107 10-006856	10/25/68	PCH-1 Data System Measurement Changes	As Built records completed in 1969
ABE098-P108 10-006851	10/31/68	Test Instrumentation Center Plan	Completed in 1969
BNU010-P109 10-007210	11/18/68	Specific Fuel Consumption of PCH-1	Complete
AHY014-P110 10-007094	12/3/68	Propulsion Plant Safety Modification PCH-1	Completed in 1969
88E099-P111 10-006850	11/11/68	PCH-1 Foil System Coating Documentation	Complete (Superseded by NA023-P182)
AHY015-P112 10-007095	1/2/69	Installation and Operation of Wind Speed and Direction Aerovane Transmitter Model 120 Aboard HIGH POINT (PCH-1)	Completed in 1969
CNW011-P113 10-007211	Approved 1/21/69 Ser 15-69	Test and Evaluation of Raytheon Model 723 D Fathometer	Completed in 1969
BNU012AP114 10-007212	Approved 1/16/69 Ser 12-69	Lateral Stability and Turning Characteristics (Foilborne)	Complete
AHY016-P115 10-007096	2/1/69	Closed Circuit TV Camera Wiring	Completed in January 1970
88E08AP116 10-006863	2/9/69	Rough Water Technical Trials (1969)	Reported in D2-133705-1
AHY017BA117 10-007097	Approved 3/6/69 Ser 33-69	AGEH-1 Post Delivery Inspection/Assessment Plan	Completed in 1969
ANW014-P118 10-007214	Approved 3/10/69	Rough Water Evaluation DE121 Fathometer	Completed
BNU009AP119 10-007209	Approved 3/24/69 Ser 40-69	Determination of the Axis of Rotation of the PCH-1	Completed - Reported with NH003-P096
C8E097-P120 10-006852	Approved 4/17/69 Ser 57-69	Replenishment at Sea	Completed

Plan & ASDB No.	Issued or Approved	Title	Status
ANA007-P121 10-U07267	Approved 4/1/69 Ser 43-69	Study of Plastic and Glass-Reinforced Plastic Piping & Valves in PCH-1 Sea Water Systems	Completed 2/7/73 Ser 39-73
AHY018-P122 10-U07098	Approved 4/15/69 Ser 56-69	Conversion of 5 Gal per/min. Fuel Pump to 20 Gal. per/min. Fuel Pump.	Completed in 1969
AHY019-P123 10-U07099	Approved 4/30/69 Ser 66-69	Installation of Electric Low Pressure Air Compressor System on HIGH POINT	Completed in 1969
AJA002-P124	Approved 5/5/69 Ser 76-69	Installation of Non-Metallic Fire Pump System on HIGH POINT	Complete
AAA003AP125	Approved 5/5/69 Ser 75-69 Rev. A approved 1/6/70 Ser 3-70	Installation of a Non-Metallic Replacement for the Number Two Sea Water Booster Pump on HIGH POINT	Completed in 1969
ABE102AA126 10-U06848	Approved 5/12/69 Ser 79-69	Automatic Control Equipment Dockside Inspection and Test	Complete
BHM016-A127 10-U07216	Approved 5/19/69 Ser 91-69	Installation of Anemometer UM05 on AGEH-1	Completed in 1969
ABE103AA128 10-U06849	Approved 5/27/69 Ser 93-69	Photographic Documentation AGEH-1 As	Completed 10/17/74 Ser 364-74
AHY023-P129 10-U07103	Approved 5/27/69 Ser 95-69	Installation of Control Air Gage in the Pitthouse of HIGH POINT	Completed in 1969
ABE110-A130 10-U06843	Approved 5/27/69 Ser 96-69	Post Delivery Miscellaneous Repair Modification	Completed in 1969
ABE111AA131 10-U06842	Approved 5/28/69 Ser 97-69; Rev A approved 9/10/69 Ser 181-79	AGEH-1 Instrumentation Functional Test and Calibration	Canceled (Superseded by HM026-A186)

Plan & ASDB No.	Issued or Approved	Title	Status
AHY020AA132 10-007100	Approved 5/28/69 Ser 98-69; Rev A approved 6/17/69 Ser 113-69	PLAINVIEW Post Delivery Miscellaneous Repair and Modification	Complete
AHY025-P133 10-007105	Approved 6/2/69 Ser 102-69	Platform Deck Modifications - Fuel Tank Area (PCH-1)	Complete 1972 Overhaul 8/9/72 Ser 280-72
AHY022-P134 10-007102	Approved 6/18/69 Ser 118-69	Installation of Heated Glass in the Forward Port and Stbd Side Panes of HIGH POINT Pilothouse.	Completed in February 1970
AUA008AA135 10-007268	Approved 6/18/69 Ser 119-69; Rev A approved 9/10/69 Ser 182-69; Rev B approved 4/28/72 Ser 165-72; Rev C approved 6/08/72 Ser 217-72	Post Delivery Miscellaneous Hydraulic System Repair and Modification to PLAINVIEW (AGEH-1)	Completed 8/31/73 Ser. 213-73 NSRDC Ltr. 1152:CRR HF-183 1-3-73
BBE107-A136 10-006846	Approved 6/24/69 Ser 128-69; Rev A 6/20/73 Ser 144-73	AGEH-1 Weight Analysis and Reporting Log	Completed 6/14/74
ANW015-A137 10-007215	Approved 6/23/69 Ser 124-69	Machinery Instrumentation Station AGEH-1	Completed in January 1970
BMM018AA138 10-007218	Approved 6/23/69 Ser 125-69; Rev A approved 9/10/69 Ser 185-69	Preliminary Characterization Trials AGEH	Complete
ANW0134P139 10-007213	Approved 6/23/69 Ser 126-69	PCH-1, Digital Readout of Ship Speed	Completed in February 1970

Plan & ASDB No.	Issued or Approved	Title	Status
88E104AA140 10-U06847	Approved 6/23/69 Ser 127-69	AGEH-1 Operating Characteristics - Smooth Water Hullborne and Foilborne Exercises	Complete
AHY021-A141 10-U07101	Approved 7/8/69 Ser 137-69	Post RAV Verification - AGEH-1	Completed in 1970
ABE108AA142 10-U06845	Rev A approved 10/22/69 Ser 221-69	Automatic Control Equipment Adjustment and Rework (AGEH-1)	Completed in February 1970
AHY024-P143 10-U07104	Approved 7/9/69 Ser 138-69	Installation of Additional Safety Seating Onboard HIGH POINT (PCH-1)	Completed in 1969
AHY033-P144 10-U07111	Approved 7/22/69 Ser 150-69	Conversion of Upper Sonar Trunk (Mast) Into Stowage Area for Damage Control Equipment	Completed in 1969
ANAO09-A145 10-U07269	Approved 7/23/69 Ser 153-69	Noise Treatment ofr AGEH-1	Complete
AHY030AA146 10-U07208	Approved 7/23/69 Ser 152-69; Rev A 10/16/70 Ser. 194-70	Passive/Active Cathodic protection System for AGEH-1	Cancelled 10/2/78
AHY032-A147 10-U07110	7/23/69	Towed Knotmeter Installation	Installation completed in 1969
AHY019-P148 10-U07219	Approved 7/31/69 Ser 157-69	Aft Strut-Foil Pod Contour Clean Up (PCH-1)	Completed in 1969
ANAO10-A149 10-U07270	Approved 9/3/69 Ser 171-69	Machinery Noise Characterization of PLATINUM (AGEH-1)	Complete
AHY037-A150 10-U07113	Approved 9/3/69 Ser 172-69	Installation of Two Tables and Pin Chairs in Anchor Windlass Room of AGEH-1	Complete
AHY027-P151 10-U07107	Approved 9/3/69 Ser 173-69	Safety Hand Railing on Board HIGH POINT (PCH-1)	Completed in 1969

Plan 6 ASDB No.	Issued or Approved	Title	Status
AHY031-R152 10-007109	Approved 9/3/69 Ser 174-69	Radio Communication System for HYSTU Test Operations	Complete
AHY038-P153 10-007114	Approved 9/3/69 Ser 170-69	Television Presentation Via Pilothouse HUD Display	Complete
BNW020-P154 10-007220	Approved 9/8/69 Ser 177-69	Strut Clean-up Evaluation (Reference NM019-P148)	Complete
AHY039AP155 10-007115	Approved 9/12/69 Ser 184-69; Rev A 12/4/70 Ser 248-70	Automatic Heading Hold on HIGH POINT (PCH-1)	Complete
AHY046-A156 10-007119	Approved 9/25/69 Ser 194-69	Relative Humidity Surveillance and Protective Coating of Void Spaces (AGEH-1)	Complete
AHY041-A157 10-007116	Approved 9/25/69 Ser 195-69	Emergency Steering Power Supply Modification (AGEH-1)	Completed in 1969
AHY053-A158 10-007124	Approved 9/29/69 Ser 200-69	Nitrogen Charging of Hydraulic Accumulators and Compressors Aboard PLAINVIEW (AGEH-1)	Completed in 1969
BNW021AP159 10-007221	Approved 10/1/69 Ser 206-69; Rev A approved 5/13/70 Ser 60-70	Forward Foil Tip Extension Evaluation (PCH-1)	Complete
AHY054-A160 10-007125	Approved 10/13/69 Ser 206-69	Auxiliary Diesel Tests (AGEH-1)	Complete
AHY045-A161 10-007118	Approved 10/13/69 Ser 205-69	AGEH-1 Electronics Equipment Room Rearrangement	Complete
BNW0228P162 10-007222	Approved 10/22/69 Ser 220-69	Characterization Trials PCH-1	Complete

Plan & ASDB No.	Issued or Approved	Title	Status
AHY049-A163 10-U07120	Approved 10/22/69 Ser 222-69	Installation of the Portable Decontamination Unit in PLAINVIEW	Complete
AHY051-A164 10-U07121	Approved 10/27/69 Ser 230-69	Verification of the Operating Characteristics of the Foilborne Salt Water and Lube Oil System Pumps and Determination of the Minimum Foilborne Speed of AGEH-1	Complete
AHY047-A165 10-U07123	Approved 10/27/69 Ser 229-69	AGEH-1 Fathometer Testing	Complete 3/11/72
ABE109-A166 10-U06844	Approved 10/30/69 Ser 237-69	PLAINVIEW (AGEH-1) Automatic Control System Configuration Log	Completed 6/14/74
AHY035-A167 10-U07112	Approved 10/30/69 Ser 236-69	Exhaust Stack Hangar Modification	Complete
CNE019CP168 10-U07101	Approved 10/30/69 Ser 235-69; approved 6/25/71 Ser 187-71	Evaluation of the Westinghouse Electric Corp. Phase-Comparison Sonar Systems and the NSRDC, Panama City Doppler Sonar System.	Complete 10/1/71
ABE113-P169 10-U06841	Approved 10/30/69 Ser 240-69	Forward Flap Drive Shaft Modification (HIGH POINT)	Complete
ABE116-P170 10-U06838	Approved 11/6/69 Ser 246-69	400 CPS Power Supply Modification	Complete
AHY056-A171 10-U07127	Approved 11/14/69 Ser 251-69	Modification of Aft Strut Downlock Indicator PLAINVIEW (AGEH-1)	Complete
AHY058-A172 10-U07129	Approved 11/17/69 Ser 252-69	Automatic Load Transfer Between No. 1 and No. 2 Static Converters	Complete
AHY055-P173 10-U07126	Approved 12/1/69 Ser 264-69	Photographic Documentation - PCH-1 As-Built	Closed out for Mod 0 Records Complete

Plan & ASDB No.	Issued or Approved	Title	Status
ABE121AA174 10-U06834	Approved 1/5/70 Ser 276-69; deferred 4/24/70 Ser 48-70; Rev. A 12/29/71 Ser 415-71	Integrated Motion Picture Camera and TV System (AGEH-1)	Completed 6/14/74
AHY052-A175 10-U07122	Approved 1/14/70 Ser 9-70	Procurement of Critical Spares for AGEH-1	Complete
ABE125-P176 10-U06830	Approved 2/2/70 Ser 17-70	Separate Fusing for Two Steering Amplifiers - PCH-1	Complete
ANA024-P177 10-U07277	Approved 2/17/70 Ser 16-70	Modification of Steering & Engineering Control Consoles for HIGH POINT (PCH-1)	Completed 8/9/72 Ser 283-72
ABC117-A178 10-U06837	Approved 2/27/70 Ser. 18-70	Permanent Intercom System for the Technical Support Party to the Data Acquisition Center (AGEH-1)	Complete
BNA027-A179 10-U07227	Approved 3/6/70 Ser 19-70	Refurbishment of the Strain Gages on the Struts of AGEH-1	Complete
BBE124-P180 10-U06831	Approved 3/9/70 Ser 21-70	Characterization of PCH-1 While Towing an Underwater Depressor	Complete
BNA022-A181 10-U07275	Approved 3/17/70 Ser 26-70; Rev A 1/12/72 Ser 26-72	PLAINVIEW (AGEH-1) Foilborne Hydraulic System, Measurement of Transient Pressure Surges	Completed 3/15/73 Ser 66-73 NSRDC Ltr. 1152:CRR HF-183 1/3/73
BNA023-P182 10-U07276	Approved 3/17/70 Ser 27-70	Continuation of Documentation & Reporting on Selection, Application and Performance of Protective Coatings on Foil System and Propellers of PCH-1 HIGH POINT.	Ware Island Report due 6/5/72 Report due 8/1/73
AHY059-P183 10-U07130	Approved 3/17/70 Ser. 28-70	Removal of Hydraulically Driven High Pressure Air Compressors and Replacement with a Single Electrically Driven High Pressure Air Compressor	Completed 3/15/73 Ser. 65-73 NSRDC Ltr. 1152:CRR HF-183

Plan & ASDB No.	Issued or Approved	Title	Status
BH1026-P184 10-U07106	Approved 4/9/70 Ser 37-70	Installation of Instrumented Shafts on PCH-1	Completed
ABE126-A185 10-U06829	Approved 4/7/70 Ser 36-70	Steering and Main Foil Incidence Hydraulic Actuator Shield Installation	Completed
BH1028-A186 10-U07228	Approved 4/7/70 Ser 38-70	AGEH-1 Instrumentation Installation, Checkout and Calibration. (a) Lear Seigler, Inc. Recording Sta. Manual NAVSHIPS 0976-363-0010 through 0800. (b) Boeing Doc. #0319-60000 PCH & AGEH-1 Instrumentation Operating Procedures & Boeing Data Processing. (c) AGEH-1 Calibration Manual (d) AGEH-1 Measurand List (e) AGEH-1 Transducer Compendium (f) AGEH-1 Measurand Wiring List (g) AGEH-1 Integrated Preventive Maintenance Schedule (h) AGEH-1 Spares Provisioning Manual (i) Boeing Document #D311-60000-1 HIGH POINT (PCH-1) Compendium & Wiring Diagrams.	Completed 5/3/73, 1153: FNS:ja HF-82/5605
ANA012-H187 10-U07272	Approved 4/23/70 Ser 47-70	DENISON Spare Parts Survey	Completed
ABE115AA188 10-U06839	Approved 4/24/70 Ser 49-70; Rev. A approved 7/13/70 Ser 116-70	Critical Machinery & Auxiliary System Instrumentation Station in Space 2-48-0-Q on AGEH-1.	Complete
ABE142-A189 10-U06816	Approved 5/4/70 Ser 53-70	Special Test Equipment - AGEH-1 ACS	Complete
ABE135-P190 10-U06821	Approved 5/13/70 Ser. 59-70	Retraction Centering for Steerable Propeller & Foilborne Rudder; Modification to	Completed

Plan & ASDB No.	Issued or Approved	Title	Status
BNW026A-191 10-007226	Approved 5/15/70 Ser 66-70; Rev. A approved 6/5/70 Ser 74-70	AGEH-1 Data Handling Plan; Guidelines for	Completed 4/7/72 Ser 134-72 Document D319-60000
ABE145-A192 10-006813	Approved 5/19/70 Ser 68-70	AGEH-1 Main Foil Strain Gage Installation	Completed
ANY044-P193 10-007117	Approved 5/19/70 Ser 69-70	Renewal of Defective Hull Plating and Chemically Cleaning and Coating of Voids on HIGH POINT	Completed 10/9/74 Ser. 358-74 July 1974 RAV
ABE143-A194 10-006815	Approved 5/21/70 Ser. 70-70	AGEH-1 Automatic Control System Improvements Related to Craft Behavior	Complete
ABE140-P195 10-006816	Approved 5/25/70 Ser 75-70	Machinery Room Neon Fire Extinguishing System Installation (PCH-1)	Completed 2/7/73 Ser. 40-73
ABE127-A196 10-006828	Approved 5/28/70 Ser. 76-70	AGEH-1 Automatic Control Equipment Modifications	Complete
BBE129-A197 10-006827	Approved 6/4/70 Ser. 82-70	AGEH-1 Structural Inspection	Completed 6/14/74
ANY024-A198 10-007224	Approved 5/5/70 Ser 85-70	Installation of Spray Shields on Main Struts	Complete
ANY060-P199 10-007131	Approved 6/23/70 Ser 103-70	Fabrication of Propellers by the Investment Casting Process	Complete
ANY057-A200 10-007128	Approved 7/2/70 Ser 108-70	Use of Diesel Fuel (Type II) Vice JP-5 Fuel Aboard AGEH-1	Completed 6/14/74 Ser 236-74
ANY062-A201 10-007133	Approved 7/22/70 Ser 124-70	Windshield Washer Modification	Complete
BNW029-P202 10-007229	Approved 7/22/70 Ser 123-70; Revised 11/23/70 Ser 232-70	Speed and Powering Tests with New Torque and Thrust Meter	Completed 9/27/72 Ser 337-72

Plan & ASDB No.	Issued or Approved	Title	Status
WY061-A203 10-007132	Approved 9/17/70 Ser. 173-70	Noise Level Analysis Within PLAINVIEW's Displacement Engine Room	Canceled 7/7/71 Ser. 198-71 Superseded by WY074-A242
WBE151AA204 10-006908	Approved 10/14/70 Ser 185-70; Rev A approved 12/22/71 Ser. 401-71	AGEH-1 Foil/Strut Alignment Survey	Completed 6/14/74 Ser 236-74
WBE130-A205 10-006926	Approved 10/14/70 Ser. 186-70	Standard Post RAV Checkout Dockside and Hullborne	Completed 5/4/73 Ser. 112-73 NSRDC Ltr. 1152:CRR HF-183 1/3/73
WBE149-A206 10-006909	Approved 10/29/70 Ser 200-70	AGEH-1 Foilborne Accessory Drive Gearbox and Hydraulic Pump Modifications	Completed 6/14/74 Ser 236-74
WBE114AA207 10-006940	Approved 11/9/70 Ser 208-70	Install Fuel Tank in Void 3-23-01-V and 3-36-0-V on AGEH-1	Completed
WBE015-P208 10-007178	Approved 11/13/70 Ser. 215-70	Radar Cross-Section Patterns PCH-1	Completed
WBE156-A209 10-006926	Approved 11/13/70 Ser. 216-70	AGEH-1 Operational Fuel Management Grid	Completed
WNE014-P210 10-007177	Approved 11/17/70 Ser. 227-70	Magnetic Signal PCH-1	Completed
WBE131-A211 10-006925	Approved 11/17/70 Ser. 228-70	Standard Post-RAV Foilborne Trials (AGEH)	Completed 5/4/73 Ser. 111-73 NSRDC Letter 1152:CRR HF-183 1/3/73
WNY068-P212 10-007139	Approved 12/30/70 Ser 268-70	Standard Demonstration Plan for HIGH POINT (PCH-1)	Completed
WNE018AP213 10-007180	Approved 11/23/70 Ser 233-70	Infrared Characteristics - PCH-1	Complete
WNE023-P214 10-007185	Approved 12/17/70 Ser 252-70	PCH-1/Parafoil Compatibility Trial	Completed 8/21/72

Plan & ASDB No.	Issued or Approved	Title	Status
CNE024AP215 10-007186	Approved 12/17/70 Ser. 253-70; Rev. A approved 1/4/71 Ser. 1-71	PCH-1 Collision Avoidance Trials	Completed 9/21/72 Ser. 323-72
ANA027-P216 10-007280	Approved 12/17/70 Ser. 254-70	Vacuum Distillation Removal of Water & Contaminants from Lubrication Oils	Completed 10/18/72 Ser. 354-72
BBE160-P217 10-006930	Approved 12/30/70 Ser. 263-70	PCH-1 1971 Rough Water Trials	Complete 11/14/72 Ser. 381-72 Boeing Ltr 2-1506-1000-637 under task 72-034P per O'Neill 1153:WCU HP-151 25 Oct 1972
ABE162-P218 10-006932	Approved 12/30/70 Ser. 262-70	PCH-1 Mission Endurance & Reliability Evaluation	Completed 6/11/73 Ser. 136-73 "Final Report on Hydrofoil Special Trials Unit Plan BE162- P218 PCH-1; Mission Endurance & Reliability." Cover letter Ser. 11-73 5/15/73.
CBE164-P219 10-006934	Approved 12/30/70 Ser. 265-70	Transit - Human Factors (San Diego Transit)	Completed 5/17/74 - Ser 181-74 Report 27-551, Human Factors Evaluation of a Hydrofoil during Extended Transit & Exercise Operations" by Edmondo, 10/73
CBE165-P220 10-006935	Approved 12/30/70 Ser. 254-70	Helicopter Medical Evacuation Trial Plan	Complete
CBE167-P221 10-006937	Approved 12/30/70 Ser. 261-70	PCH-1 Remote Operation Evaluation	Completed 6/11/73 Ser. 135-73 "Final Report on HYSTU Plan BE167P221-PCH-1; Remote Operatio Evaluation Plan" Cover Ltr. Ser. 10-73 5/14/73.
CBE168-P222 10-006938	Approved 12/30/70 Ser. 259-70	PCH-1 Navigation Evaluation Plan	Complete

Plan 6 ASDB No.	Issued or Approved	Title	Status
CNE022AP223 10-U07184	Approved 12/30/70 Ser. 260-70	PCH-1 Comparative Seakeeping Trials	Complete
CBE166-P224 10-U06936	Approved 12/30/70 Ser. 266-70	PCH-1 Search and Rescue Doctrine/ Procedures	Canceled per HYSU letter Ser. 96-71 4/27/71
CNE025-P225 10-U07187	Approved 1/20/71	IUN/Parafall Operation	Completed (NE023-P214 included) Ser. 245-72 7/7/72
CNE026-P226 10-U07188	Approved 2/3/71 Ser. 27-71	PCH-1 COMPTUEX 1-71 Trials	Completed 2/8/73 Ser. 41-73
BNK030AA227 10-U07230	Approved 11/22/71 Rev. Ser 368-71	AGEH-1 Calm Water Foll Load Characteristics (Part A)	Cancelled 10/2/78
CNE027-P228 10-U07184	Approved 2/16/71 Ser. 39-71	PCH-1 Replenishment at Sea	Completed 2/8/73 Ser. 42-73
ABE134-P229 10-U06822	Approved 2/18/71 Ser. 41-71	Tactical Display System Exercise PCH-1	Complete
ANE028-P230 10-U08728	2/26/71	PCH-1 Exercise ADMIXTURE Trials (U)	Completed 2/8/73 Ser. 43-73
BNW031-A231 10-U07231		AGEH-1 Preliminary Vibration Trial (Foilborne)	Completed 11/5/74 Ser. 384-74 NSRDC Report SAD-79E-1966 April 1974
BNW032-A232		Pending approval - plan number not issued	Canceled 5/18/72 Ser. 192-72
ABE170AA233 10-U06939	Approved 5/7/71 Ser. 102-71	AGEH-1 Calibration of Single Idler Gearbox Torque Indicating Devices	Complete Ser 236-74 6/14/74 2-1506-1000-314 6/1/71 and 2-1524-1000-841 1/30/73
ABE148-A234 10-U06810	Approved 5/7/71 Ser. 103-71	AGEH-1 Hydraulic System Filter Modifications	Cancelled 10/2/78

Plan & ASDB No.	Issued or Approved	Title	Status
CBE176-P235 10-U06944	Approved 7/7/71 Ser. 199-71	PCH-1 Fueling VERTREP with CH-46	Complete
ABE177-T236 10-U06945	Approved 7/8/71 Ser. 202-71	TUCUMCARI (PGH-2) POIC Familiarization Briefing in Ship Arrangement Operation and Logistics Support	Complete
AHY071-P237 10-U07141	Approved 6/30/71 Ser. 192-71	Electric Starter for Hydraulic Solar Gas Turbine, HIGH POINT (PCH-1)	Completed 5/14/74 Ser. 161-74 No official report issued.
AHY072-A238 10-U07142	Approved 7/8/71 Ser. 203-71	AGEH-1 Main Power Transmission System Modification	Completed 6/14/74
BNW033-P239 10-U07233	Approved 7/19/71 Ser. 215-71	Determination of PCH-1 Hullborne Seakeeping Characteristics	Completed TN-P-19
AHY073-A240 10-U07143	Approved 7/19/71 Ser. 216-71	PLAINVIEW AGEH-1 Electric Power Plant	Completed 6/14/74 236-71
BBE132-A241 10-U06824	Approved 8/2/71 Ser. 230-71 Rev. A 1/18/72 Ser. 29-72	AGEH-1 Smooth Water Foilborne Characteristics - Phase II (AGEH-1)	Completed 6/14/74
AHY074-A242 10-U07144	Approved 8/13/71 Ser. 245-71	PLAINVIEW (AGEH-1) Airborne Noise Level Analysis	Completed 10/13/72 Ser. 352-72
ABE178AA243 10-U06946	Approved 8/24/71 Ser. 257-71	AGEH-1 Hydraulic System Integrity Inspection and Oil Contaminated Monitoring	Canceled 10/9/74 Ser. 359-74
ABE155-A244 10-U06925	Approved 8/31/71	INSTALLATION OF Wave Height Measuring Instrumentation on AGEH-1 PLAINVIEW	Canceled 10/9/74 Ser. 360-74
ABE154-A245 10-U06924	Approved 9/2/71 Ser. 278-71	AGEH-1 Installation of Draft Gages	Canceled 10/18/74 Ser. 367-74

Plan & ASDB No.	Issued or Approved	Title	Status
ABE174-A246 10-006942	Approved 9/2/71 Ser. 279-71	AGEH-1 Bow Thruster Design & Installation	Cancelled. Lack of funds.
ANA030-A247 10-007282	Approved 9/20/71 Ser. 297-71	Inspection of Bevel Gears PLAINVIEW (AGEH-1)	Completed 6/14/74 Ser. 236-74 TN-A-17, 2-1524-1000-1349 10/23/74
ABE138-A248 10-006820	Approved 10/1/71 Ser. 320-71	Hull Impact Characteristics - AGEH-1	Completed 11/5/74 Ser. 386-74 AGEH-1 Technical Note TN-A-17
ABE179-A249 10-006947	Approved 11/2/71	AGEH-1 Main Foil Incidence Locking Mechanism for Strut Extension and Retraction	Canceled 10/9/74 Ser 361-74
ABE175-P250 10-006943	Approved 11/17/71 Ser. 362-71	PCH-1 Radar/Navigation System Modifications and Documentation Updating	Canceled; superseded by BE189-P259 2/11/72 Ser 60-72
ANA020-A251 10-007274	Approved 11/22/71 Ser. 370-71	PLAINVIEW AGEH-1 Improved Fire Fighting System	Completed 6/14/74 Ser 236-74
CNV034-A252 10-007236	Approved 11/22/71 Ser 371-71	PLAINVIEW/Torpedo Compatibility Evaluation Phase I	Completed 8/21/72 Ser 325-72
AHV069-A253 10-007140	Approved 11/24/71 Ser. 375-71	Ship Service Switchboard Modification for Split Plan Operation - PLAINVIEW (AGEH-1)	Completed 6/14/74 Ser 236-74
BNV037AA254 10-007237	Approved 11/30/71 Ser 381-71	PLAINVIEW (AGEH-1) Hullborne Rough Water Motion Characteristics	Ltr 2-1524-1000-988, 6/8/73 notes trials 25% completed and remainder not worth pursuing. Cancelled 10/2/78.
CNV035-A255 10-007235	Approved 12/3/71 Ser 384-71; Rev A Approved 6/8/72 Ser 215-72	PLAINVIEW (AGEH-1) Magnetic/Acoustic Signatures	Complete NSHC, White Oak, report NOLTR 72-52, "Magnetic Signatures Analysis of the Hydrofoil AGEH-1 (U)" 2/11/72, Conf. report. Acoustic part of trials Cancelled.

Plan & ASDB No.	Issued or Approved	Title	Status
BBE181-A256 10-U06949	Approved 12/16/71 Ser 394-71	Dynamic Characterization Readiness, AGEH-1	Completed 5/15/74 Ser. 164-74 Tech Note TN-A-72, Trials Report on Dynamic Characterization Readiness" 2-1524-1000-1005 6/22/74.
ABE183-A257 10-U06950	Approved 12/27/71 Ser. 413-71	AGEH Automatic Control System Emergency Battery Installation.	Complete
ABE186AA258 10-U06953	Approved 12/27/71 Ser. 414-71	AGEH-1 Radar Display System Improvement	Complete
ABE189-P259 10-U06956	Approved 2/11/72 SER. 59-72	PCH-1 Radar/Navigation System Overhaul and Digital Navigation Computer Installation	Complete.
ANY036AA260 10-U07236	Approved 3/31/72 Ser. 125-72	Pressure Measurements - AGEH-1	Completed 6/4/74 SER. 236-74 Secret Final Report SER. 190-73.
ABE185-P261 10-U06952	Approved 3/22/72 Ser. 109-72	Revised PCH-1 Data Systems Documentation	Completed 1/10/73 Ser. 10-73
CHY076-A262 10-U07146	Approved 3/24/72 Ser. 114-72	DE735 Fathometer and 3-D Pinger Installation	Completed 8/31/73 Ser 214-73 NSRDC Letter 1152:CRR HF-183 1/3/73
ABE191-P263 10-U06958	Approved 3/29/72 Ser. 119-72	Replacement of Speed Indicator/Transmitter on PCH-1	Completed 8/31/73 Ser 215-73 NSRDC Ltr. 1152:CRR HF-183 1-3-73
BBE188-A264 10-U06955	Approved 4/28/72 Ser 166-72	AGEH-1 Hullborne Outdrive and Steering Modifications	Cancel
BBE187-A265 10-U06954	Approved 5/18/72 Ser. 190-72	AGEH-1 Forward Foil Incidence Linkage Compliance Measurement	Canceled 6/14/74 Ser 236-74
ANY075-A266 10-U07145	Approved 6/30/72 Ser 216-72	PLAINVIEW (AGEH-1) Main Strut Rewiring and Strut Foil Strain Gaging	Completed 3/24/75 Ser. 95-75 NSRDC Advanced Hydrofoil Program Procedure for Trial Planning. Approving, and Reporting 9/3/74.

Plan &
ASDB No.

Issued or
Approved

Title

Status

CNH039AA267
10-U07238

Approved 6/8/72
Ser 214-72

Investigation of Techniques to Measure
Radiated Noise Underwater Noise of
Hydrofoils Using PLAINVIEW (AGEH-1)

Complete 5/16/74 Ser. 167-74
Classified Report from Bolt Beranek
and Newman Inc., "Underwater
Radiated Noise Signature of Hydro-
foil PLAINVIEW (AGEH-1)" Report
No. 2504 March 1973.

ANY080-P268
10-U07150

Approved 6/30/72
Ser 238-72

Design and Installation of Closed
Circuit TV Monitoring System for HIGH
POINT (PCH-1)

Complete 6/14/74 Ser. 172-74
5/16/74 - Letter 2-1524-1000-
1207 March 1974.

ANY082-A269
10-U07152

Approved 7/21/72
Ser 255-72

Forced Ventilation of Foilborne Propellers
on PLAINVIEW (AGEH-1)

Complete HYSTU Ltr 1154:SEM, vld
10/30/72

ANY077-A270
10-U07147

Approved 7/14/72
Ser 252-72

Replacement of Speed Sensing Indicator
System on PLAINVIEW (AGEH-1)

Completed 6/14/74 Ser 236-74

ABE203-P271
10-U06965

Approved 8/9/72
Ser 278-72

Additional Tasks for PCH-1 Digital
Navigation Computer

Complete

CNH040AA272
10-U07239

Approved 10/3/72
Ser 341-72

Sea Sparrow/Hydrofoil Compatibility
Evaluation Aboard PLAINVIEW (AGEH-1)

Completed 11/5/74 Ser 387-74
NSMSES, Port Hueneme Report
TR276 6/1/73

BBE152BA273
10-U06922

Approved 8/23/72
Ser 288-72
Rev. 10/10/72
Ser 357-72

Pre-Rough Water Readiness Trial - PLAINVIEW
(AGEH-1)

Completed 5/16/74 Ser 173-74
Letter 2-1524-1000-1190 3/5/74
(Phase V) AGEH-1 Rough Water
Speed-Power Data

ANY078-A274
10-U07148

Approved 8/23/72
Ser 289-72

Design and Installation of Permanent Strut
Spray Fences on PLAINVIEW (AGEH-1)

Completed 6/14/74 Ser 236-74

ANY075-A275
10-U07154

Approved 8/23/72
Ser 290-72

Smoke Abatement for PLAINVIEW (AGEH-1)
LM 1500 Gas Turbine Engines

Completed 6/14/74 Ser 236-74

ANY079AA276
10-U07149

Approved 8/21/72
Ser 319-72

Design, Fabrication and Installation of
Lengthened/Strengthened Tail Strut on
PLAINVIEW (AGEH-1)

Completed 6/14/74 Ser 236-74

Plan & ASDB No.	Issued or Approved	Title	Status
BHW041-H277 10-U07240	Approved 10/3/72 Ser 342-72	Definition and Demonstration of Interface Between Hydrofoil Digital Autopilot (HUDAP) and PCH-1 and AGEH-1	Canceled 11/6/74 Ser. 378-74
ANY081-A278 10-U07151	Approved 10/3/72 Ser 340-72	Design, Fabrication and Installation of PLAINVIEW (AGEH-1) Hydraulic System	Canceled 10/18/74 - Ser. 368-74
BBE199AA279 10-U06961	Approved 11/2/72 Ser 372-72	AGEH-1 Phase 1 Rough Water Trials	Completed 5/15/74 Ser 168-74 Tech Note TN-A-16, "Results of Rough Water Trials (Ph. 1)" 2-1524-1000-1182 2-26-74.
AHY088-H280 10-U07157	Approved 10/25/72 Ser 363-72	Electro-Magnetic Log Calibration with Doppler Radar	Completed 6/14/74 Ser 236-74
AHY086AH281 10-U07155	Approved 11/1/72 Ser 365-72	Waste Destruction System on Hydrofoils	Revised 2/14/74, Ser 58-74, Canceled 10/2/78.
ABC8E202-A282 10-U06964	Approved 11/17/72 Ser 388-72	PLAINVIEW (AGEH-1) Integrated Trials Program	Canceled 6/14/74 Ser 236-74
BHW044-H283 10-U07242	Approved 12/27/72 Ser 412-72	Evaluation of Height Sensors in Sea Sparrow Missile Environment	Complete, Boeing 2-1524-1000-949
ABE208-P284 10-U06968	Approved 1/18/73 Ser 20-73	PCH-1 400 Hz Converter Installation Modification	Completed 6/14/74 Ser 236-74
BBE206-A285 10-U06967	Approved 1/31/73 Ser 26-73	Six-Degree-of-Freedom Digital Simulation of the Foilborne AGEH-1	Completed 5/15/74 - Ser. 163.74 Document D319-5150, "Equations for & Results from the Digital Simulation of the Foilborne AGEH-1," 1/22/74.
BBE133AA286 10-U06823	Approved 2/26/73 Ser 49-73	PLAINVIEW Foilborne Operational and Emergency Trial Procedures	Completed 5/4/73 Ser 110-73 NSRDC Letter 1152: CRR HF-183 1-3-73 TN-A-9 Transmitted by Ltr 2-1524- 1000-1248, 4/29/74

Plan & ASDB No.	Issued or Approved	Title	Status
88E193-P287 10-006960	Approved 3/13/73 Ser 59-73	PCH-1 Std. Post "Layout" Dockside, Hullborne and Foilborne Checkout	Completed 6/14/74 Ser 236-74
AHY087-A268 10-007156	Approved 4/2/73 Ser 75-73	Flap Control System for PLAINVIEW (AGEH-1)	Completed 6/14/74 Ser 236-74
BNW046-P289 10-007244	Approved 4/2/73 Ser 77-73	Mod 1 Vented Propeller Tests	Cancelled. See Plan No. BNW050BP297
BNW042BP290 10-007241	Approved 4/6/73 Ser 80-73	PCH-1 Mod 1 Smooth Water Characterization	Per Ltr 2-1524-1000-1233 Complete Data transmitted by Ltr 2-1524- 1000-1248, 4/23/74. Replaced with HYSTU Op proc 3960.2 per Ser 134-76 (7/12/76)
ABE212AP291 10-006971	Approved 4/11/73 Ser 87-73	Weight and Moment Updating & Recording Procedures - PCH-1 Mod 1	Closed out 10/8/74
AG211-A292 10-006970	Approved 4/23/73 Ser 96-73	AGEH-1 Instrumentation System Air Conditioner Modifications	Completed 6/14/74 Ser 236-74
ABE153BA293 10-006923	Approved 5/18/73 Ser 118-73	AGEH-1 Automatic Control System Modifications	Cancelled
BNW049-P294 10-007245	Approved 6/4/73 Ser 131-73	PCH-1 Mod 1 Calm Water Structural Tests	Completed 11/22/74 Ser. 394-74 Reports to be made in Final Report
ABE213AA295 10-006972	Approved 6/11/73 Ser 133-73	AGEH-1 Salt Water Machinery Circulating & Cooling System Overhaul & Modification	Completed 6/14/74 Ser 236-74
ABE209BA296 10-006969	Approved 6/8/73 Rev A approved Rev B 11/12/74	AGEH-1 Standard Post "Layout" Dockside Hullborne & Foilborne Checkout	Cancelled, as noted in Ser Ser 238-75 10/15/75, Includ. in operating procedure 4711.3
BNW050BP297 10-007246	Approved 6/20/73 Ser 143-73; Rev A 12/4/74; Rev B 3/3/75	Feasibility of PCH-1 Mod I Propeller Ventilation	Complete, DTNSRDC report SPD 264-11 by Hecker to be released Nov. 1978

Plan & ASDB No.	Issued or Approved	Title	Status
ABE214AA298 10-006973	Approved 6/20/73 Ser 145-73	AGEH-1 Potable Water System Overhaul and Modifications	Completed 6/14/74 Ser 236-74
CNE030AP299 10-C01226		HIGH POINT - EA-38/EC-121 ASMD Trials Confid R/S #C22-73 #C63-73	Canceled 10/9/74 Ser. 357-74
CNE029-F300 10-007191 C01227	7/17/73 Ser. 166-73	HIGH POINT DD/DE PENA10 Trials Confidential	Completed 4/21/75, Ser: 114-75 Classified Report TM 2836, 11/20/74. "EW Penetration Aids in Surface Warfare - A report of EW equipment trials and demonstrations conducted on board USS HIGH POINT (PCH-1) 'during July-August 1973 (U)"
ANA034AP301 10-007286	Approved 8/21/73 Ser 203-73	Machinery and Airborne Noise Characterization of PCH-1, Mod 1	Complete -
BKH051AP302 10-007247	Approved 8/17/73 Rev. A approved 11/19/73 Ser. 281-73	HARPOON Height Sensor Compatibility Evaluation	Complete. Boeing report 2-1324- 1000-1192 (ASDB # 10-110029). Some results also in report for AHY164-H341.
AHY051-H303 10-007159	Approved 9/20/73 Ser 222-73	Coating System Studies for the Corrosion Protection of HY130 Steel	Complete. DTNSRDC Memo 75-085, J. Kelley #75 (10-U06617)

Plan & ASDB No.	Issued or Approved	Title	Status
ABE215BP304 10-U06974	Approved 10/11/73 Ser 236-73	PCH-1 ACS Configuration Log	Revised plan approved 9/24/73 Ser. 236-73 - Active
CNM045-P305 10-U07243	Approved 11/9/73 Ser 279-73	HARPOON Canister Launcher Evaluation & Interface Investigation Aboard HIGH POINT (PCH-1)	Completed 11/11/74 - Ser 386-74 - HIGH POINT Letter 13010 Ser 7-74 of 1/30/74, HARPOON Narrative Report, NSWSES Report TR 299 May 1974, D/S 603 Phase IV Tech. Evaluation Canister HARPOON Weapon System, McDonnell-Doug Report MCD 561-E451-1190 of 6/19/74, Boeing letter report of Ship Behavior and Structural Effects 2-1524-1000-119 of 3/8/74.
BHM055BP306 10-U07250	Approved 11/28/73 Rev. 2/6/74 Ser 52-74; Rev. 6/3/74 Ser. 115-74	Evaluation of Hydrofoil Digital Autopilot (HUDAP) on PCH-1 Mod 1.	Completed 11/11/74, Ser. 387-74 Charles Stark Draper Lab Report R817 of May 1974.
ABE192-P307 10-U06959	Approved 11/29/73 Ser 292-73	PCH-1 Mod 1 Digital Navigation System Evaluation	Completed 11/5/74 - Ser 385-74 - Letter Report 2-1524-1000-1319 dated 9/24/74
CNM056-P308 10-U07251	Approved 12/10/73 Ser 295-73	SMA 3RM20 Radar Evaluation Aboard HIGH POINT in Support of PHM Program	Complete. DTNSRDC TR-SDD-115-06, March 1975
CNM058-P309 10-U07252	Approved 1/7/74 Ser. 19-74	HIGH POINT (PCH-1) Multiple Influence Measurements	Complete.
BHM054BP310 10-U07249	Approved 1/17/74 Ser. 36-74 Rev. 1/22/74 Ser. 38-74	Rough Water Trials PCH-1 MOD 1 Rev. 8	Completed 4/22/75 - Trials Plan ANM067-P331 Ser. 115-75

Plan & ASDB No.	Issued or Approved	Title	Status
88E159-A311 10-006929	2/3/72	AGEH-1 Hullborne Characteristics	Complete 2/26/74 - Ser 78-74; Boeing letter 2-1524-1000-920 3/29/73
CRW052-P312 10-007248	3/21/74	Low Light Level Television Trials Aboard the HIGH POINT	Cancelled 10/6/75 Trials Bd. Mtg. Results of trials in 1154.11: WHE:vid, Ser 191-74, 5/22/74
CRW059-P313 10-007253	Approved 5/1/74 Ser. 135-74	PCH-1 Mod 1 Underwater Radiated Noise Measurement	Completed 4/21/75, Ser. 113-75. Class- ified report TR-221, 12/15/74, Hydro- foil HIGH POINT (PCH-1) Radiated Noise Signature and Tactical Considerations (U).
CRW095-P314 10-C00716	5/28/74 Approved 6/18/74 Ser. 235-74	Advanced Prototyping Program Test Plan for Small Craft Fire Control System (U) Confidential	Complete, RSCC (Qual. Ser. 71.) Conf. report CR0081, "Threats to Electronic Optical System Evaluation Summary- 14 Jan 74, and TR 3545, 11/76, and 12.451 (Conf. report 008147), 5/76.
ARW094-P315 10-007162	Approved 7/9/74 Ser. 261-74	Advanced Craft Flight Recorder System HIGH POINT (PCH-1)	Complete 3/24/75 - Ser 95-75 - MS80CQ HYSTU, "Technical Memoranda (Final Report) Advanced Craft Flight Recorder System HIGH POINT (PCH-1) January 1975 by James W. Mason" Letter Ser 19-75 2/5/75.
CHW089-H316 10-007158	Approved 7/9/74 Ser. 262-74	Underway Replenishment Station Keeping with Electronic Devices	Complete.
BRW060-P317 10-007254	Approved 7/17/74 Ser. 271-74; Rev. A Rev: B 1/27/75	HUDAP Tests - Effect of Varying Gains 12/4/4 on Hullborne Motion	Cancelled 10/2/78
ARE034-P318 10-007194	Approved 7/18/74 Ser. 272-74	FLIR Installation Aboard the Hydrofoil HIGH POINT	Complete.
ARE036-P319 10-007195	Approved 7/18/74 Ser. 273-74	HIGH POINT EW Trials, Instl. Plan	Complete.
CRE031-P320 10-C01223	7/25/74	Triple S/HIGH POINT RBOC Trials Conf.	Canceled 10/9/74 - Ser. 351-74

Plan & ASDB No.	Issued or Approved	Title	Status
CNE032-P321 10-C01224	7/25/74	HARPOON (Mod 2) Seeker/HIGH POINT RBOC Trials (U) Confidential	RBOC portion complete. Further trials cancelled 10/2/78. Report expense not warranted.
CNE033-P322 10-C01225	7/25/74	HIGH POINT RBOC/ASMD Trials (EC-121/F-4 & A-4 Aircraft) (U) Confidential	Cancelled. MYSTU ltr. 1154.1: WHH:sby, Ser 351-74 10/8/74
BNX061-P323 10-U07255	Issued 5/30/74 Approved 7/22/74 Ser 279-74	PCH/PGH/Other Craft Comparative Seakeeping	Canceled - Ser. 397-74 11/29/74
BNX062-P324 10-U07256	Approved 7/26/74 Ser 285-74	Movies of PCH-1 MOD 1 in Structural Maneuvers	Canceled - Ser. 393-74 11/22/74
BNY093-H325 10-U07161	Approved 8/23/74 Ser 309-74	Sundstrand AHY-6 Radar Altimeter - Height Sensor Evaluation on Hydrofoils	Complete MYSTU memo 1154.4 WHH: vhw, 4/5/76 "Eval. of the Radar Height Sensor." Results incl. in AHY104-H341 rept. and MELC-0661-T/N 2960, 5/19/75
BNX035AP326 10-U10078	Approved 9/6/74 Ser 327-74	Test Plan Evaluation of Exterior Strut/Foils Coatings on HIGH POINT (PCH-1)	Active - Rev. "A" 2/28/75
ANX063-P327 10-U07257	Approved 9/6/74 Ser 328-74	PCH-1 MOD 1 Structural Instrumentation	Complete. Ser 157-75 6/15/75 and 225-75 9/26/75
BNX064-P328 10-U07258	Approved 9/16/74 Ser 335-74; Rev A 12/4/74; Rev B 1/16/75	Evaluation of September 1974 Hydrofoil Digital Autopilot (HUDAP) Configuration on PCH-1 MOD 1	Complete. No report; check out only.
ANX065-P329 10-U07259	Approved 12/4/74	PCH-1 MOD 1 Flap Effectiveness - Static, Dynamic, During Maneuvers and Following Broaching	Cancelled 10/2/78
ANX066-P330 10-U07260	Approved 12/4/74	Base Line PCH MOD 1 Smooth Water Speed and Powering	Complete. Boeing ltr. 2-1524-1000-1537, 8/1/75
ANX067-P331 10-U07261	12/9/74	PCH-1 1975 Rough Water Trials	Complete. Report due DTNSRDC Code 1151 and Code 1730.3.

Plan 6 ASDB No.	Issued	Title	Status
BSE223-P332 10-U09849	3/31/75	Technical Evaluation of PCH-1 During USCG Operation	Complete, Ser 157-75 6/16/75 and 225-75 9/26/75.
BHY097-P333 10-U09850	7/29/75	Evaluation of TANCAY System in Conjunction with HIGH POINT (PCH-1) Navigation Computer	Trial Complete. Ltr SC 10, ser 63-75. Ltr ser 47-76, 10/76 (ASDA #s 10-U07479 & 10-U08412, respectively).
ANW076-P334 10-U09837	1/15/76	PCH-1 Forward Foil Cavitation	Active, Trial Complete, Report Due
BHY098-P335 10-U09832	12/25/75	Rockwell International Anti-Clutter Radar System (ACR) Evaluation	Cancelled 10/21/78
ANW077-P336 10-U09833	7/1/76	High Speed Velocity Log Intermediate Speed Feasibility Demonstration	Complete, NADC Report NADC-78114-40 6/15/78.
ANW042-A337 10-U10074	6/18/76	Seawater reverse osmosis desalination system, test of.	Cancelled. Refer to Ser 159-76, 9/13/76
AHY101-P338 10-U10075	11/11/76	Effect of Coating Roughness on Performance	Deferred
AHY102-P339	?	PCH-1 Ship Standardization and Tactical Trials	Cancelled 10/21/78.
ANA044-A340 10-U10076	1/26/77	Vibration Monitoring Systems for Large Hydrofoils	Complete
AHY104-H341 10-U10077	3/22/77	T.R.T.-AHV-20 Radar Altimeter	DTNSRDC Code 1154.4 to prepare report with data from BNW051A2102 and BHY093-H325
ANW071-A342 10-U09834	3/16/77	AGEH Calm Water Operating Characteristics	Cancelled
BNW074-H343 10-U09835	4/20/77	Experimental Determination of Array Survival Loads	Trial Complete. No report planned by NUSC 3373.
BHY103-P344 10-U09836	1/24/78	HS1001 VDS Trials	Active

ADVANCED HYDROFOIL DEVELOPMENT TRIALS PROGRAM

DOCUMENTATION REVIEW

ATTACHMENT-2 WTA LISTING FROM 1975

No.	WTA No.	Transmittal	Entered on Approved List	Subject	Author
1	0410-75-001A			PLAINVIEW (AGCH-1) Main Steering Plate Repairs	
2	0410-75-002P			PCH-1 Mod 1 Strut/Tall Information	
3	0410-75-003P	1/1/75	2/1/75	Sonar VCO Drawer and 17 VCO's	E. Ulrich
4	0410-75-004A		2/10/75	AGCH-1 Electro-Hydraulic Servo Valves	D. Sorenson
5	0407-75-005P	2/28/75	3/1/75	Survey and Replacement Recommendations for Meacilla and Systems Bolts, PCH-1	D. Bond
6	Boeing-75-006P	3/5/75	3/8/75	PCH-1 500d Meacilla/Strut Sub Vibration Data During Transmission	D. Sorenson
7	0410-75-007E	3/5/75	3/10/75	History of Hydraulic Foreign Object Impacts	D. Sorenson
8	0410-75-008P	3/14/75	3/20/75	Obtain "Wave Rider" Buoy to Support PCH-1 Rough Water Trials	D. Blanchard
9	Boeing-75-009P	3/26/75	4/1/75	Engineering Assistance for PCH-1 Navigation System	D. Sorenson
10	Boeing-75-010P	3/26/75	4/1/75	Follow-on Work Required for PCH-1 Meacilla/Strut Sub Structural Data	D. Sorenson
11	Boeing-75-011P	3/25/75	4/2/75	PCH-1 Meacilla/Strut Sub Repairs/Modification Recommendations	D. Sorenson
12	Boeing-75-012 P	4/7/75	4/9/75	Feasibility of Using a Different Hydraulic Field on PCH-1	D. Sorenson
13	Boeing-75-013P	4/13/75	4/16/75	Engineering Assistance Required for PCH-1	D. Sorenson
14	1107-75-014A	5/9/75	6/19/75	AGCH-1 Ships Plan Index (SPI) Updating	D. Sorenson
15	1107-75-015A	6/23/75	6/23/75	HUDAP Installation Support on PLAINVIEW	S. Arline
16	Boeing-75-016A	4/11/75	6/9/75	Engineering Assistance Required for AGCH-1 Structural Log	D. Sorenson
17	1107-75-017A	5/26/75	6/9/75	Engineering Assistance Required for AGCH-1	D. Sorenson
18	1107-75-018P	6/17/75	6/18/75	Blocking of PCH-1 P/S Strut Trailing Edge Folding Voids with Polyurethane Foam	D. Sorenson
19	1107-75-019P	6/23/75	6/18/75	Inspecting and Repair of PCH-1 Upper Servo Coarctans	D. Sorenson
20	1107-75-020P		6/18/75	Instrumentation Engineering Assistance Required for PCH-1	D. Blanchard
21	1107-75-021A	6/23/75	6/24/75	AGCH-1 Instrumentation System	D. Blanchard
22	1107-75-022P	6/27/75	6/30/75	PCH-1 Air Pod Ventilation/Convulsion Conditions Reporting	A. H. Ranc
23	1107-75-023P	6/23/75	6/24/75	Engineering Review of INSTU Revised/Updated PCH-1 Comparison and Writing	D. Blanchard

No.	WTA No.	Transmittal	Entered on Approved List	Subject	Author
24	1107-75-024P	7/10/75	7/14/75	Plot Existing Real Time PCH-1 Speed and Power Information	D. Blanchard
25	1107-75-025P	7/14/75	7/16/75	PCH-1 Turbine Disconnect Coupling Alignment, Tooth Wear Patterns and Associated Structure Inspections and Record Documentation	D. Sorenson
26	1107-75-026P	7/14/75	7/16/75	PCH-1 Air Nozzle/Strut Stub Inspection and Repair	W. Youngstrom
27	1107-75-027P	7/14/75	7/16/75	Logical Fuel Flow Readings at EOC	D. Blanchard
28	1107-75-028P	7/15/75	7/24/75	Obtain and Design Installation for 8 Synchro-to-DC Converters for PCH-1 Instrumentation	D. Blanchard
29	1107-75-029P	7/23/75	7/35/75	Engineering Support Required for PCH-1 July-August 1975 TAV	D. Sorenson
30	1107-75-030P	7/11/77	9/7/75	Provide New and Separate Source for 28 VDC Needed for Instrumentation Control Function on PCH-1	D. Blanchard
31	1107-75-031A Rev A	9/4/75 11/24/75	9/7/75 11/26/75	Main Strut Down Lock Assembly Alignment Investigation Main Strut Down Lock Assembly Alignment and Re-bisectment	D. Sorenson D. Sorenson
32	1107-75-032A	9/12/75	9/22/75	Refurbishment of the Blige System on AGEH-1	D. Sorenson
33	1107-75-033P	9/16/75	9/23/75	HIGH POINT ACS Operation Discrepancy Correction	I. Coleman
34	1107-75-034P	9/30/75	10/1/75	Evaluate Venting Prop Tests to Date (Ref NW060-7287)	A. H. Reed
35	1107-75-035P	8/30/75	10/1/75	Analysis and Repair Support for Talled Forward Starboard Shaft	A. H. Reed
36	1107-75-036P	10/7/75	10/10/75	PCH-1 Aft Flap Pressure Transducer Relocation	D. Sorenson
37	1107-75-037P	10/16/75	10/24/75	Provisions for Installing Wave Height Instrumentation on PCH-1 for Rough Water Trials - Nov. 1975	D. Blanchard
38	-038				
39	-039				
40	-040				
41	-041				
42	-042				
43	-043				
44	1107-75-044A	11/21/75	11/23/75	Test of AGEH-1 2/3 Transmission Lub Oil System Electric Driven Pumps	D. Sorenson

No.	WTA No.	Trans mittal	Entered on Approved List	Subject	Author
45	-045				
46	-046				
47	1107-75-07A	11/15/75	11/16/75	Overview of AGEH-1 Minicom Tape Recorder (C)	D. Blanchard
48	1107-75-08A	11/15/75	11/16/75	Test Crew Intercom for AGEH-1	D. Blanchard
49	1107-75-09A	11/15/75	11/16/75	Caboard Calibration of AGEH-1 Hydraulic Transducers and RUDAP Data Channels	D. Blanchard
50	1107-75-09A	11/14/75	11/16/75	AGEH-1 Instrumentation Cable Installations and Report of Unused Cables	D. Blanchard
51	1107-75-051A	11/15/75	11/16/75	Update and Maintain AGEH-1 Instrumentation Documentation, i.e., Wiring Diagrams, Measured List, and Compendium	D. Blanchard
52	1107-75-052A	11/15/75	11/16/75	AGEH-1 Helicopter Transmission Shafting Brake Modifications	D. Scorsone
53	1107-76-001				
54	1107-76-002				
55	1107-76-003				
56	1107-76-004A	1/15/76	2/1/76	Provide all Engineering and Technical Support for Strain Gaging AGEH-1 Main Fuel Control Section	
57	1107-76-005A	2/15/76	3/1/76	Instrumentation Engineering Assistance for AGEH-1 Job of 8 Hours or Less	
58	1107-76-006A		4/1/76	PLAINVIEW (AGEH-1) Torque and Thrust Meter Wiring and Strain Monitors and Signal	
59	1107-76-007A		4/1/76	PLAINVIEW (AGEH-1) Instrumentation System Operation (IC)	
60	1107-76-008A		4/1/76	PLAINVIEW (AGEH-1) Forward Struts/Tails Strain Gauge Mount and Installation	
61	1107-76-009A		4/1/76	PLAINVIEW (AGEH-1) Air Str Gauge Cable Installation	
62	1107-76-010A		4/1/76	PLAINVIEW (AGEH-1) Calibration of Strain Gauge Installation, Torque and Thrust HPT's and Accelerometers	I. Meason
	Rev'ed		5/1/76	PLAINVIEW (AGEH-1) Calibration of Strain Gauge Installation, Torque and Thrust HPT's and Accelerometers, Engine and Turbine Parameters, Vibrations and Miscellaneous Shipboard Parameters	D. Blanchard
63	1107-76-011				
64	1107-76-012A		4/1/76	PLAINVIEW (AGEH-1) Removal of Stubble Table and Associated Wiring	I. Meason

No.	WTA No.	Transmittal	Entered on Approved List	Subject	Author
65	1107-76-013				
66	1107-76-014				
67	1107-76-015A Rev A	7/20/76	7/21/76	PLAINVIEW Automatic Control System (PACS) Test Input Box Modification RUDAP Installation Support on PLAINVIEW	J. Coleman S. Arima
68	1107-76-016P	7/22/76	7/22/76	PCH-1 Nacelle Bolt Failure and Inspection Requirements of Replacement Bolts	D. Round
69	1107-76-017P	8/16/76	8/26/76	HIGH POINT (PCH-1) Instrumentation Measurement Survey	S. Arima
70	1107-76-018				
71	1107-76-018A	8/13/76	8/26/76	Recalculation and Updating of the AGCH-1 Hydrostatic Characteristics	D. Round
72	1107-76-020H	8/25/76	8/26/76	Overhaul and Repair of DTNRDC Sangamo Tape Recorder	D. Blanchard
73	1107-76-021A	9/20/76	9/21/76	PLAINVIEW (AGCH-1) Test Crew Intercommunication System Survey and Evaluation	D. Blanchard
74	1107-76-022A		10/1/76	PLAINVIEW (AGCH-1) Kline Pump Case Drain	S. Arima (A. Rand)
75	1107-76-023P	10/1/76	10/7/76	PCH-1 Nacelle Strut Stub Failure Analysis	A. H. Rand
76	1107-77-001P		1/4/77	HIGH POINT (PCH-1) Port Nacelle Transmission Repair	L. Tedeschi
77	1107-77-002P		1/26/77	HIGH POINT (PCH-1) Heading Hold Repair	L. Tedeschi
78	1107-77-003				
79	1107-77-004				
80	1107-77-005A		2/10/77	PLAINVIEW (AGCH-1) Tape Recorder Adjustment	S. Arima
81	1107-77-006A		4/4/77	Westinghouse Flight Recorder Installation PLAINVIEW (AGCH-1)	S. Arima
82	1107-77-007P		6/6/77	VDS Installation	S. Arima
83	1107-77-008				
84	1107-77-009				
85	1107-77-010A Rev 1	8/25/77	8/25/77 8/30/77	Examination of Failed AGCH-1 Propeller Blade 4977 Examination of Failed AGCH-1 Propeller Blade 4977	D. Round S. Arima
86	1107-77-011H		8/21/77	Radio Installation for Pressure Ranging Trials	D. Blanchard
87	1107-77-012A	8/21/77	8/21/77	Amortizing AGCH-1 Post Overhaul Checklist Agenda	D. Sorenson

No.	WTA No.	Transmittal	Entered on Approved List	Subject	Author
88	1107-77-012A	9/11/77	9/14/77	Annotating AGEH-1 Agenda 77-R-401X, PACS Push Heave Oscillation Investigation, and Agenda 77-R-402X, Yaw Oscillation Investigation	J. Coleman
89	1107-77-014A	9/11/77	9/15/77	Annotating AGEH-1 Post Overhaul Checkout Agenda	D. Sorenson
90	1107-77-018P	9/15/77	9/15/77	HIGH POINT (PCH-1) Starboard Upper and Lower Transmission Overhaul	L. Tetsch
91	1107-77-018				
92	1107-77-017				
93	1107-77-018A		9/30/77	R/V Air Flow Investigation (AGEH-1)	S. Arima
94	1107-77-019				
95	1107-77-020A	11/28/77	12/1/77	Automatic Control (PACS) and Related Systems Engineering Assistance Required for PLAINVIEW	J. Coleman
96	1107-77-021A	12/4/77	12/14/77	Data Processing for R/V Air Flow Investigation (AGEH-1)	D. Blanchard
97	1107-78-001A	1/13/78	1/10/78	Correction of PLAINVIEW (AGEH-1) Strut Locking Circuit Deficiencies	S. Arima
98	1107-78-002A	1/13/78	1/10/78	Documentation of AGEH-1 Gas Turbine Control Logic	S. Arima
99	1107-78-003P	1/17/78	1/18/78	PCH-1 Ship's Plan Index (SPI) Updating	D. Sorenson
100	1107-78-004A	1/17/78	1/18/78	AGEH-1 Inactivation Salvage Work List and Detailed Work Package; Assist	D. Sorenson
101	1107-78-005A	1/18/78	1/24/78	PLAINVIEW (AGEH-1) Ditch Roll and Heave Transient Investigation Agenda 77-R-401X	J. Coleman
102	1107-78-006A	1/18/78	1/24/78	PLAINVIEW (AGEH-1) Automatic Control System (PACS) Installation, Operation and Maintenance Chronicle	
103	1107-78-007P	1/24/78	1/25/78	HIGH POINT (PCH-1) Long Term Inactivation Work Assist	A. H. Reed
104	1107-78-008A		4/24/78	PLAINVIEW (AGEH-1) Hydraulic System; evaluation of	S. Arima
105	1107-78-009A		4/24/78	PLAINVIEW (AGEH-1) Characterization Curves	S. Arima
106	1107-78-010P		4/24/78	HIGH POINT (PCH-1) Characteristic Data (Towing Configuration)	S. Arima
107	1107-78-011A		4/24/78	PLAINVIEW (AGEH-1) Automatic Control System; evaluation of	S. Arima

ADVANCED HYDROFOIL DEVELOPMENT TRIALS PROGRAM

DOCUMENTATION REVIEW

**ATTACHMENT-3 PLAINVIEW (AGEH-1) OPERATIONAL SUMMARY
BY VOYAGE NUMBER. 1977 & 1978.**

PLAINVIEW

OPERATIONAL SUMMARY

VOYAGE NUMBER	DATE	AGENDA NUMBER	F/B TIME	CURRENT F/B TIME	TOTAL F/B TIME	TRIALS SUBJECT
					194:32	Last Foilborne Operation: 11 Dec 1972 Last Hullborne Operation: 2 Feb 1973
M-1	7 Jan 77	76-H-A07X	--	--	"	Post RAV Underway Checkout Hullborne. No Ops. No O.D. Throttle Control Dockside
M-2	10 Jan 77	76-H-A07X	--	--	"	Post RAV Underway Checkout Hullborne. Conducted Man. & Dock. Drills Hullborne.
M-3	11 Jan 77	76-H-A07X	--	--	"	Post RAV Underway Checkout Hullborne. EM Log Inop. H/B Turns Tail Foil Extended
M-4	13 Jan 77	76-H-A07X	--	--	"	Post RAV Checkout H/B. EM Log Inop; Test Aft Strut and O.D. Steering
M-5	26 Jan 77	76-H-A07X	--	--	"	Post RAV Checkout H/B With F/B Propulsion EM Log Op; Define Torsionals
M-6	10 Mar 77	76-H-A07X	--	--	"	H/B PACS Checkout; H/B Transft thru Tors'ls; Broach Fwd Follis; 12 Hz Vert Oscillations.
M-7	17 Mar 77	77-H-A01X	--	--	"	Invest. effect of Lead-Lag filters and Pitch Rate Gains on 12 Hz Vert Oscillations.
M-8	25 Mar 77	NONE - ISE	--	--	"	H/B Transft Todd Shipyard to PSNS
M-9	25 Apr 77	77-H-A01X	--	--	"	No Trials Operations; GT and APU Starting Problems.
M-10	6 May 77	77-H-A01X 76-H-A07X	0:42	0:42	195:14	Find and Patch Out Vert Oscillations: Cont. With Post Rav Checkout; Initial F/B ops.
M-11	10 May 77	76-H-A07X	1:42	2:24	196:56	Post Rav Checkout F/B; Takeoffs and Landing 45 Kt Em log calibration.
M-12	12 May 77	76-H-A07X	3:55	6:19	200:51	Post RAV Checkout F/B; 14', 40 Kt Turns to 4 Deg/Sec; Helm Steps; Depth Steps; F/B Max.
M-13	17 May 77	76-H-A07X	1:47	8:05	202:38	Post RAV Checkout F/B; 40 & 45 Kt Turns 350 Ton Takeoff, Large VIP Contingent

PLAINVIEW

OPERATIONAL SUMMARY

VOYAGE NUMBER	DATE	AGENDA NUMBER	F/B TIME	CURRENT F/B TIME	TOTAL F/B TIME	TRIALS SUBJECT
M-14 *	19 May 77	NONE - ISE	2:08	10:14	204:46	PSNS - KEYPORT - ESQUIMALT TRANSIT Yaw Rate discrepancy in 4.2 deg/sec. Turn
M-15 *	20 May 77	NONE - ISE	1:52	12:06	206:38	ESQUIMALT - KEYPORT - PSNS VIP Transit
M-16 *	21 May 77	NONE - ISE	1:09	13:15	207:47	PSNS - ESQUIMALT Transit Lower SS operation during transit.
M-17 *	24 May 77	NONE - ISE	1:46	15:01	209:33	ESQUIMALT - PSNS TRANSIT
M-18 *	31 May 77	NONE - ISE	0:09	15:10	209:42	Demo for HYSTU Staff and refueling
M-19	2 June 77	76-H-A07X	5:00	20:10	214:42	F/B Xmas Vibration & Airborne Noise Surveys Agenda Event 8; 45 Kt Em Log cut; Max Flt
M-20	17 June 77	NONE - ISE	1:22	21:32	216:04	GT performance evaluation by NAVSEC Phila. Swing ship for compass alignment.
M-21 *	20 June 77	NONE - ISE	0:00	21:32	216:04	H/B Transit to Manchester for refueling
M-22	21 June 77	77-H-A02X	0:28	22:00	216:32	Checkout of GT operation and PACS patches, Photo Mission, No Agenda events completed.
M-23	22 June 77	NONE - ISE	0:32	22:32	217:04	Check oper of GT engines and port LO sys. Detonations from both GT's. Port pedestal & SI motion bearing temperatures high.
M-24	23 June 77	NONE - ISE	0:53	23:25	217:57	Check GT variable vane oper. No detonations. Demo for Vadm Bryan & Supships 13 Officers.
M-25	7 July 77	77-H-A02X	0:03	23:28	218:00	Checkout of PACS patches, Test operations canceled due to ship machinery problems.
M-26	22 July 77	77-H-A02X	3:29	26:57	221:29	Checkout of PACS patches, Test operations interrupted by misc invalid PACS alarms.
M-27	25 July 77	77-H-A02X	1:32	28:29	223:01	Checkout of anti-breaching logic completed Tests terminated by port F/S propeller failure

* Log Package Not Distributed

PLAINVIEW

OPERATIONAL SUMMARY

VOYAGE NUMBER	DATE	AGENDA NUMBER	F/B TIME	CURRENT F/B TIME	TOTAL F/B TIME	TRIALS SUBJECT
M-28	25 July 77	NONE	3:11	31:40	226:12	AGEH-1 & PCH-1 Pressure Ranging. First use of new port F/B propeller. Check PACS EMER LAND function while foilborne.
M-29	3 Aug 77	NONE	3:25	35:05	229:37	AGEH-1 & PHM-1 Pressure Ranging. ISE ops with PHM-1 & PACFLT Group. Fire in P shaft tunnel
M-30	31 Aug 77	NONE	0:40	35:45	230:17	Foilborne transmission system checkout and vibration survey at 305 tons. Refuel
M-31	2 Sept 77	NONE	0:40	36:25	230:57	Foilborne transmission system checkout and vibration survey at 350 tons. Ink port prop
M-32	19 Oct 77	NONE	0:00	36:25	230:57	Voyage cancelled dockside due to various mechanical problems
M-33	20 Oct 77	NONE	1:41	38:06	232:38	Demo for Capt Ricketts, OIC DTNSRDC
M-34	25 Oct 77	77-H-A05X	1:26	39:32	234:04	Initiate RPV Wind Survey Tests. Trials cancelled due to loss of H/B SW pressure.
M-35	27 Oct 77	77-H-A05X 77-H-A02X	0:00	39:32	234:04	Voyage cancelled dockside due to PACS Sensor power supply fuse problems.
M-36	10 Nov 77	77-H-A05X	1:26	40:58	235:30	Checkout and RPV Wind Survey Tests.
M-37	11 Nov 77	NONE	0:30	41:28	236:00	Demo for Asst SecNav Hidalet
M-38	21 Nov 77	77-H-A04X	0:00	41:28	236:00	No propeller erosion trials completed due to miscellaneous engineering problems.
M-39	28 Nov 77	77-H-A04X	0:00	41:28	236:00	Voyage cancelled dockside due to assumption that Kline pump compensator were inoperative
M-40	1 Dec 77	NONE	1:10	42:38	237:10	Checkout ops only due to rough water and loss of valve in subd propulsion diesel engine.
M-41	8 Dec 77	77-H-A04X	0:00	42:38	237:10	Light ship eval of F/B propeller erosion Search for man lost off Point Merron

PLAINVIEW

OPERATIONAL SUMMARY

VOYAGE NUMBER	DATE	AGENDA NUMBER	F/B TIME	CURRENT F/B TIME	TOTAL F/B TIME	TRIALS SUBJECT
M-42	12 Dec 77	NONE	0:00	42:38	257:10	RPV Gust Probes. No trial operations. Refuel. Loss of Stbd Outdrive
M-43	16 Dec 77	NONE	0:42	43:20	237:52	Successful launch and recovery of gust probes in initial RPV trials
M-44	14 Feb 78	NONE	0:00	43:20	237:52	Post RAV Checkout. Trials cancelled due to excessive GT vibrations. Not confirmed dockside with no load run in.
M-45	15 Feb 78	NONE	0:12	43:32	238:04	Post XAV checkout. GT vibrations still high. Two steering anomalies due to aft strut paint chip. Port SW system only.
M-46	21 Feb 78	NONE	2:08	45:40	240:12	GT vibration signatures dockside. H/B & F/B. Operation with Port SW sys only is successful. Slow approx 3 mins. taken off.
M-47	07 Mar 78	77-H-A03X-A	0:00	45:20	240:12	No trial operations. Voyage terminated with repeated failure of stbd GT to start.
M-47	09 Mar 78	77-H-A03X-A	1:16	46:56	241:28	No agenda events completed. Takeoffs performed with different procedures.
M-49	14 Mar 78	77-H-A03X-A	3:06	50:02	244:34	Effect of PACS patches on "Dutch Roll" and Yaw oscillations. Port turn to 6.3 deg/sec
M-50	21 Mar 78	NONE	0:36	50:38	245:10	Demo for POIC, Lt. Ackley Refuel to approximately 348 tons
M-51	22 Mar 78	NONE	3:32	54:10	248:42	Demo for POIC, last ops for Lt. Hudson Fire drill, minor lat discrep, depth set error
M-52	30 Mar 78	77-H-A03X-B	0:00	54:10	248:42	Voyage cancelled dockside due to hose fitting failure in port upper LO system
M-53	04 Apr 78	77-H-A03X-B	0:16	54:26	248:58	Not trial operations performed. Voyage terminated with a hydraulic system leak.
M-54	06 Apr 78	77-H-A03X-B	2:15	56:41	251:13	Completed Agenda Event 1. Trans't Commencement Bay, Tacoma. Turn to -5.8 deg/sec
M-55	09 Apr 78	NONE-15F	2:07	58:48	253:20	Support Tacoma Civic activities

OPERATIONAL SUMMARY

PLAINVIEW

VOYAGE NUMBER	DATE	AGENDA NUMBER	F/B TIME	CURRENT F/B TIME	TOTAL F/B TIME	TRIALS SUBJECT
M-56	13 Apr 78	77-H-A03X-8	0:06	58:54	253:26	Refuel; No trial operations due to port bilge (pod) and elec LO scav pump problems
M-57	25 Apr 78	77-H-A03X-8	1:53	60:47	255:19	Complete agenda Event 2 Cond A thru D. Depth trans in turns. ISE ops with PCI-1
M-58	11 May 78	77-H-A03X-8	1:15	62:02	256:34	Port Outdrive Re-aligned dockside. Complete Event 3 Cond A & B. Add 720 deg turns.
M-59	20 May 78	NONE-ISE	2:53	64:55	259:27	Support Port Townsend and Navy League Civic Activities. Lower SS 4 or High 3 ?
M-60	23 May 78	NONE-ISE	2:38	67:33	262:05	Transit of Pressure Ranging trials test site and Elliot Bay.
M-61	25 May 78	NONE-ISE	1:30	69:03	263:35	Refuel - Stbd F/B xasn system vibration survey - Fire in port shaft alley.
M-62	22 June 78	NONE-ISE	0:00	69:03	263:35	Machinery Checkout- Airstart APU on deck. Cancel ops with Stbd GT hot start & oil leak
M-63	23 June 78	NONE-ISE	0:34	69:37	264:09	Machinery Checkout-All systems acceptable
M-64	26 June 78	NONE	4:11	73:48	268:20	Pressure Ranging Trials
M-65	12 July 78	78-H-401X	0:10	73:58	268:30	Full Power Trials (Hullborne on F/B Propul.) Fire in port shaft tunnel.
M-66	14 July 78	NONE	0:00	73:58	268:38	ISE For Lube Oil Exchange and Drills No Logs Maintained

TECHNICAL
TRIALS

HULL
STRUCTURES

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 1

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - HULL STRUCTURE

QUERY-PART NO. WNN001

OCT 17 1978

DOCUMENT
NUMBER

10-U04822 M

BOEING CO.
(U) HYDROFOIL CRAFT STRUCTURAL CRITERIA-RELATED

EXPERIENCE
COMM. R.

FRENCH, M.
WATSON, F.

D221-11000-2

N00000-71-C-0356

REMARKS: FOR RECOMMENDATIONS FOR CRITERIA
DEVELOPMENT. SEE BOEING DOC. D221-11000-3
(08/NO. U0-4820) CURRENTLY UNDER NAVY REVIEW.

APR 72 RELEV 1

10-U02576 M

BOEING CO.
(U) STRUCTURAL INSPECTION-AGEN-1 PLAINVIEW PRE-ROUGH
WATER TESTING (1972)(HYSTU PLAN BE129-A197)

JAN 73 RELEV 4

LTR 2-1524-1000-887

N00000-89-C-0618

10-U01911 M

BOEING CO.
(U) PLAINVIEW SHIP MOTIONS AND ACS OPERATION
FOLLOWING THE STARBOARD FOIL INCIDENCE CONTROL
LINKAGE FAILURE
COLEMAN, J.T.

MAR 73 RELEV 2

TN-8-15

N00000-89-C-0618

REMARKS: ALSO SEE NSROC MEMO, DB NO. 10-U2263

10-U01991 M

BOEING CO.
(U) EYFOLIATION CORROSION INSPECTION REPORT, OUTER
SHELL-BOOT TOP AREA, PLAINVIEW, AGEN-1, 16 FEB
1973

MAR 73 RELEV 4

LTR 2-1524-1000-917

N00000-89-C-0618

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 2

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - HULL STRUCTURE

QUERY-PART NO. WNN001

OCT 17 1978

DOCUMENT
NUMBER

10-U02145 M

BOEING CO.
(U) SHIP BEHAVIOR DURING SEA SPARROW/HYDROFOIL
COMPATIBILITY TESTS ON PLAINVIEW (AGEN-1)

MAY 73 RELEV 4

LTR 2-1524-1000-949

N00600-89-C-0818

REMARKS: REF TRIALS PLAN N0040A-A272 (10-U07238)

10-U05720 M

BOEING CO.
(U) HULL IMPACT TRIALS (89 PP) OCT 74 RELEV 4
WATSON, F.B.
TN-A-17

N00600-89-C-0618

REMARKS: REF TRIALS PLAN BE138-A248 (10-U06820),
PROVIDES CORRELATION BETWEEN MEASURED AND
PREDICTED RIGID BODY MOTIONS. REPORT IS LIMITED
IN TERMS OF VALIDATING THE PREDICTION TECHNIQUES.

10-U06820 F

BOEING CO.
(U) TRIALS PLAN-AGEN-1 HULL IMPACT CHARACTERISTICS
(29 PP) OCT 74 RELEV 5

BE138-A248

REMARKS: REF RPT 10-U05720 (TN-A-17)

10-U06973LM

BOEING CO.
(U) HYDROFOIL COATINGS LOG (34 PP) SEPT 76 RELEV 3
MARTIN, D.W.
D324-21308-1

N00167-76-W-8241

REMARKS: AN IMPORTANT SUMMARY OF THE HISTORY OF
COATING PERFORMANCE ON U. S. HYDROFOILS-HULL,
FOILS, STRUTS.

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - HULL STRUCTURE

QUERY-PART NO. MNW001

OCT 17 1978

DOCUMENT
NUMBER

10-U08833 M

BOEING CO.
(U) FATIGUE ANALYSIS OF THE PCN-1 KING POST (45 PP)
ROUND. O.M.
MAR 77 RELEV 4
RPT-6

10-C00760

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PCN-1 EXERCISE ADMITTURE TRIALS (U) (76 PP)
(COMPREHENSIVE REPORT OF 4-DAY OPERATION)
ROBERTS, J.N.
MAR 72 RELEV 4
LTR-SER-01-72
REMARKS: REF TRIALS PLAN NE028-P230 (10-U08728) AND
REPORT 10-S00115

10-U01230 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) MEASUREMENT OF AGEM STRUT-FOIL AND HULL DYNAMIC
CHARACTERISTICS BY "PLUCK" TEST
PEOPLES, J.R.
SEPT 72 RELEV 2
TAE-SAD-13E-1966
REMARKS: PROVIDES VERIFICATION OF ANALYTICAL AND
EXPERIMENTAL TECHNIQUES

10-U05840 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) FATIGUE DAMAGE SURVEY OF EXISTING HIGH
PERFORMANCE SURFACE SHIPS (14 PP)
JOHNSON, W.S.
DEC 72 RELEV 4
TN-SO-173-238

10-U02283 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) FAILURE OF PLAINVIEW (AGEN-1) STARBOARD FOIL
INCIDENCE LINK, 11 DECEMBER 1972
VARNALL, P.
MAR 73 RELEV 2
MEMO 73-173-M98
REMARKS: COMPREHENSIVE DESCRIPTION OF THE FAILURE
AND HULL IMPACT. SEE DB NO. 10-U01911

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - HULL STRUCTURE

QUERY-PART NO. UNH001

OCT 17 1978

DOCUMENT
NUMBER

10-U07245 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCH-1 MOD-1 CALM WATER STRUCTURAL
TESTS (27 PP)
BUCKLEY, W.M.
NWO49-P294
REMARKS: REF RPTS 10-U05046, 10-U08834, 10-U05847
AND 10-U05118

JUNE 73 RELEV 8

10-U05377 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) USS PLAINVIEW (AGN-1) PRELIMINARY VIBRATION
STUDIES-REF TRIALS PLAN NWO31-A231 (10-U07231)
SCHAUER, R.E.
TAE-SAD-708-1968
REMARKS: WELL DONE STUDY WHICH COMPARES FULL SCALE
AND ANALYTICAL PREDICTIONS FOR HULL AND FOIL
SYSTEM VIBRATIONAL CHARACTERISTICS AND STRUT
FLUTTER SPEEDS. COMPARISON WITH MIL STD 1678 AND
HUMAN VIBRATION TOLERANCES LEVELS ARE ALSO MADE

10-U05282 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) INSPECTION TRIP TO U. S. NAVY HYDROFOIL
PLAINVIEW (AGN-1) 12-14 OCT 1973 (TRIP REPORT)
JOHNSON, W.S.
LTR 74-173-99:173:WSJ

JUNE 74 RELEV 2

10-U05398 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) SEA SPARROW/HYDROFOIL COMPATIBILITY TRIALS
YARNALL, P.
MEMO CODE-1731 PY:74-173-M
REMARKS: REF TRIALS PLAN NWO40A-A27 (10-U07239)
DOCUMENTS ASPECTS OF TRIAL PERTAINING TO
HYDROFOIL STRUCTURES

JULY 74 RELEV 4

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - HULL STRUCTURE

QUERY-PART NO. WNN001

OCT 17 1978

DOCUMENT
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07256 F

(U) TRIALS PLAN-PCN-1 MOVIES OF STRUCTURAL MANEUVERS

(7 PP)

JULY 74 RELEV 5

YARNALL, P.

NW082-3324C

REMARKS: ONE MOVIE COMPLETED-REMAINDER OF TRIAL

CANCELLED 1211:6315:1092:1A:587:2002:0100

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U06348LF

(U) TRIP REPORT TO MYSTU AND BOEING (RE: AGEM

FOIL/STRUT INSPECTION:PCN-1 MOD-1 TRIALS SUMMARY

(21 PP)

NOV 74 RELEV 5

YARNALL, P.

JAD/74-173-M21

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07260 F

(U) TRIALS PLAN-PCN-1 BASE LINE

O'NEILL, M.C.

25

DEC 74 RELEV 7

NW086-3330

REMARKS: REPORT TO BE RELEASED

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-C01086LX

(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I

TECHNICAL ASSESSMENT: HYDROFOIL VOL I & VOL II

(U)

JUNE 76 RELEV 1

TN-500-119-18

REMARKS: REF 06/NO 10-S00168

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - HULL STRUCTURE

QUERY-PART NO. WNN001

OCT 17 1978

DOCUMENT
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U08621 M
(U) REVIEW OF PCH-1 FOIL SYSTEM VIBRATION INFORMATION
FOR USE IN PREPARATION OF VIBRATION SURVEY TRIALS
PLAN (48 PP)
YARNALL, P.
LTR-76-173-M102
AUG 76 RELEV 5

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U08668 M
(U) RESULTS OF VISIT TO BOEING (MSD) 4/24-26 REVIEW
OF PCH-3 SERVICE LOADS & PCH-1 (MOO-1) WING POST
FATIGUE ANALYSIS (8 PP)
BUCKLEY, W.M.
MAR 77 RELEV 4
LTR-77-173-M03

HENRY (J. J.) CO., INC. 10-U02851 M
(U) FOUNDATION FOR HARPOON LAUNCHER ON PCH-MDO
1-SCANTLING CALCULATIONS JUNE 73 RELEV 4
J.O. # 1845-03
REMARKS: REF TRIALS PLAN NW045-P305 (10-U07243)

HENRY (J. J.) CO., INC. 10-U05173 M
(U) FOUNDATION FOR CANISTER LAUNCHER DN PCH-1
JUNE 73 RELEV 5
SKETCH NO 100-1
REMARKS: REF TRIALS PLAN NW045-P305 (10-U07243)

JOHN HOPKINS APPLIED PHYSICS LABORATORY 10-U09820
(U) FLOW FIELDS ABOVE FANTAIL OR PLAINVIEW HYDROFOIL
SHIP, AS DEDUCED FROM WIND TUNNEL DATA (28 PP)
CRAMER, R.
JAN 78 RELEV 4
BAF-1-78-04
REMARKS: REF-WTA-1107-77-021A RPV AIR FLOW
INVESTIGATION (AGEN-1)

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - HULL STRUCTURE

OCT 17 1978

DOCUMENT
NUMBER

10-U01851 P

QUERY-PART NO. 0000101

WARE ISLAND NAVAL SHIPYARD
(U) COATING DEVELOPMENT FOR HYDROFOILS-PROGRESS
REPORT-MARCH 1973 MAR 73 RELEV 5

134.5-54

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PROPULSION

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - PROPULSION

QUERY-PART NO. WNN002

OCT 17 1978

DOCUMENT
NUMBER

10-U06957 F

BOEING CO.
(U) STANDARD FOIL SYSTEM SURFACE/PROPELLER
INSPECTIONS-AGEN-1; CANCELLATION OF (8 PP)
MYSTU PLAN R4190-AC
JAN 72 RELEV 7

10-U02281 M

BOEING CO.
(U) SPEED AND POWERING TESTS WITH NEW TORQUE AND
THRUST METERS (PCH-NOD 0)
RELO. D. AUG 72 RELEV 2
LTR 2-1508-1000-685
N00600-69-C-0618
REMARKS: GOOD SUMMARY OF PCH-NOD 0 SMOOTH WATER
SPEED AND POWERING TESTS WITH VARIOUS PROPELLERS

10-U09911

BOEING CO.
(U) PCH-1 PROPELLER VENTILATION AIR SUPPLY SYSTEM
TRIALS CHECKOUT (4 PP)
JUNE 73 RELEV 4
2-1524-1000-981
N00600-69-C-0618
REMARKS: REF TRIALS PLAN MY082-4269 (10-U07152)

10-U05036 M

BOEING CO.
(U) AGEN-1 ROUGH WATER SPEED POWER DATA
MAR 74 RELEV 4
LTR-2-1524-1000-1190
N00600-69-C-0618
REMARKS: TRIALS PLAN RE1528-A273 (10-U06922)

10-U07448 M

BOEING CO.
(U) PCH-1 TRANSMITTAL OF REPORT (PHASE 1) STRUCTURAL
STRAIN GAGE RESPONSES DURING THE STARBOARD
FORWARD PROPELLER SHAFT FAILURE OF 9-26-75 (8 PP)
RAND. A.H.
NOV 75 RELEV 4
LTR 2-1524-1000-1808
N00600-75-C-1107

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - PROPULSION

QUERY-PART NO. WNN002

OCT 17 1978

DOCUMENT
NUMBER

10-C0113LM

BOEING CO.

(U) HYDROFOIL RADIATED NOISE (U) (37 PP) OCT 76 RELEV 3
ALLEN, W.

0324-14004-1

REMARKS: INCLUDES REVIEW OF ALMOST ALL U. S.
HYDROFOIL ACOUSTIC RADIATED NOISE INFO.

BOEING CO.

10-U09612 M

(U) AGEH-1 FOILBORNE TRANSMISSION LUBE OIL SYSTEM
DATA WHILE USING ALTERNATE OPERATING PROCEDURES
(12 PP)

JUNE 77 RELEV 4

LTR W-7308-1000-1957

N00600-75-C-1107

BOEING CO.

10-U09828

(U) FAILED AGEH-1 PROPELLER M & P METALLURGICAL
LABORATORY SUPPORT (7 PP)

ROBERTS, E.

DEC 77 RELEV 4

2-5618-0077-276

N00600-75-C-1107

REMARKS: REF-WTA-1107-77-0104 & D/B NO. 10-U09827

BOEING CO.

10-U09827

(U) AGEH-1 FAILED PROPELLER BLADE FATIGUE TEST
LABORATORY TEST REPORT (5 PP)

ROBERTS, E.

MAR 78 RELEV 4

2-5618-0078-048

N00600-75-C-1107

REMARKS: REF-WTA-1107-77-010A-REV-1 & D/B NO.

10-U09828

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL B AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - PROPULSION

QUERY-PART NO. WNM002 OCT 17 1978

DOCUMENT
NUMBER

10-C00974 M

BOLT BERANEK AND NEWMAN, INC.

(U) MODEL AND SILENCING PROGRAM FOR UNDERWATER
RADIATED NOISE FROM HYDROFOIL CRAFT (U) (107 PP)

SMULLIN, J.

GOGOS, G.

RPT-2496

NO0800-72-C-0890

REMARKS: DRAFT

JAN 73 RELEV 4

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U02083 M

(U) AIRBORNE NOISE ANALYSIS OF USS PLAINVIEW (AGEN-1)
AFTER INSTALLATION OF AIR INTAKE PLENUM ACOUSTIC
TREATMENT

ARGIRO, L.J.

LTR RPT 27-247

REMARKS: REF TRIALS PLAN HY074A-A242 (10-U07144)

JULY 72 RELEV 2

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07152 F

(U) TRIALS PLAN-AGEN-1 FORCED VENTILATION OF
FOILBORNE PROPELLERS (19 PP)

JULY 72 RELEV 5

MY082-A269

REMARKS: REF RPT 10-U09852

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07154 F

(U) TRIALS PLAN-AGEN-1 SMOKE ABATEMENT FOR LM1500 GAS
TURBINE ENGINES (19 PP)

AUG 72 RELEV 5

MY085-A275

REMARKS: EQUIPMENT INSTALLED-NO REPORT REQUIRED

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07285 F

(U) OVERHAUL AND UP-DATING MAIN PROPULSION
ENGINES: CANCELLED (4 PP)

PETRY, B.R.

W:STU PLAN NAO33-HC

OCT 72 RELEV 7

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - PROPULSION

QUERY-PART NO. WNM002 OCT 17 1978

DOCUMENT
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U09852
(U) LETTER REPORT ON HYDROFOIL TRIALS PLAN HY082-A289
(12 PP)
MASON, J. OCT 72 RELEV 4
LTR-1154-S-EM
REMARKS: REF-TRIALS PLAN-HY082-A289 (10-U07152)

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U02479 M
(U) CAUSE OF AGEH VIBRATION DURING TAKE-OFF
ANTONIDES, G.P. APR 73 RELEV 4
TN-SAD-49E-1962
REMARKS: REF TRIALS PLAN WNM031-A231 (10-U07231). A
GOOD CONCISE REPORT

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07244 F
(U) TRIALS PLAN-PCH-1 MOD-1 VENTED PROPELLER TEST (10
PP)
O'NEILL, W.C. APR 73 RELEV 7
NM046-P299C
REMARKS: CANCELLED

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U05875 M
(U) SERVICE EXPERIENCE OF STRUT AND FOIL DAMAGE ON
NAVY HYDROFOILS (13 PP) JUNE 73 RELEV 3
RABEL, C.R.
MEMO MP-114/ 9566-1 GEN
REMARKS: INFORMAL SUMMARY OF DEBRIS IMPACTS. NOT A
COMPREHENSIVE TREATMENT

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07246 F
(U) TRIALS PLAN-PCH-1 FEASIBILITY OF MOD-1 PROPELLER
VENTILATION (38 PP)(INCLUDES TRIAL AGENDA)
MALPEL, D.P. JUNE 73 RELEV 5
NM050-P297
REMARKS: REF REPORT DTNSROC SPD-264-11 TO BE
RELEASED

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - PROPULSION

QUERY-PART NO. WNN002

OCT 17 1978

DOCUMENT
NUMBER

10-U05460 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) REPORT OF EFFECTS OF DIESEL #2 VS JP-5 ON AGEH-1
WOOLLEN, E.B.
WHITE, E.M.
LTR AGEH-1/TWY:SER 74-73

AUG 73 RELEV 4

10-U07286 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCM-1 MACHINERY AND AIRBORNE NOISE
CHARACTERISTICS (13 PP)
SCHAB, M.W.
KAO34A-P301
REF: INS: REF REPORT 10-U05493

AUG 73 RELEV 5

10-U05277 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) USS PLAINVIEW (AGEH-1) PRELIMINARY VIBRATION
STUDIES-REF TRIALS PLAN N0031-A231 (10-U07231)
SCHAUER, R.E.
T&E-SAD-79E-1986

APR 74 RELEV 2

REMARKS: WELL DONE STUDY WHICH COMPARES FULL SCALE
AND ANALYTICAL PREDICTIONS FOR HULL AND FOIL
SYSTEM VIBRATIONAL CHARACTERISTICS AND STRUT
FLUTTER SPEEDS. COMPARISON WITH MIL STD 1678 AND
HUMAN VIBRATION TOLERANCES LEVELS ARE ALSO MADE

10-U05645 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) SUMMARY OF HYDROFOIL TRIALS PLANNING WORKSHOP
HELD JUNE 12-13 1974

SEPT 74 RELEV 4

LTR 115:DJC:9080 OF 18 SE

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - PROPULSION

QUERY-PART NO. WNN002 OCT 17 1978

DOCUMENT
NUMBER

10-U07260 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCM-1 BASE LINE
O'NEILL, M.C.

25
27 DEC 74 RELEV 7

REMARKS: REPORT TO BE RELEASED

10-C01088LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART 1
TECHNICAL ASSESSMENT; HYDROFOIL VOL 1 & VOL 11
(U)

JUNE 76 RELEV 1

TN-500-115-18

REMARKS: REF DB/NO 10-500168

10-U08867 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) HIGH-INT FOLLOWS TRANSMISSION UNDERWAY
CHELSEA TRIALS LOG PACKAGE FOR VOYAGE NO. 063,
065, 066, & 068 (22 PP)
WHITEHEAD, V.R.
LTR SER 90-77 APR 77 RELEV 5

10-U09592 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) AGEM-1 TECHNICAL TRIALS LOG PACKAGES FOR THE
PERIOD 31 AUG TO 02 SEPT 1977 (21 PP)
REG. D.F. OCT 77 RELEV 5
LTR-SER-154-77

10-U09819

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) AGEM-1 TECHNICAL TRIALS LOG PKGS FOR THE PERIOD
OF 19 OCT 77 THRU 08 DEC 77 TECH. TRIALS LOG
PKGS & OPERATIONAL SUMMARY (75 PP)
DEC 77 RELEV 5
LTR-SER-175-11
REMARKS: VOY#B-32,33,34,35,36,37,38,39,40,41, 442

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - PROPULSION

QUERY-PART NO. WNN002

OCT 17 1978

DOCUMENT
NUMBER

10-U07282 F

DAVID W. TAYLOR NAVAL SHIP R&O CENTER
(U) TRIALS PLAN-AGEH-1 INSPECTION OF BEVEL GEARS (5
PP)

SCHAB. M.W. SEPT 78 RELEV 8

NA030-4247

REMARKS: SEE AGEH-1 TRANSMISSION HISTORY P14
:::1A::2002

10-C00776LM

GRUMMAN AEROSPACE CORP.
(U) AGEH-1 IN SUPPORT OF FUTURE HYDROFOIL SYSTEMS
DEVELOPMENT-FISCAL YEAR 1974:VOL I HISTORICAL
COMPENDIUM OF INVESTIGATIONS CONDUCTED IN FISCAL
YEAR 1974 (U)(53 PP)

JULY 74 RELEV 4

N00406-74-C-0632

ADC002818

REMARKS: SOME COST ESTIMATES INCLUDED

10-U05173 M

HENRY (J. J.) CO., INC.
(U) FOUNDATION FOR CANISTER LAUNCHER ON PCH-1
JUNE 73 RELEV 9

SKETCH NO 100-1

REMARKS: REF TRIALS PLAN N0045-P308 (10-U07243)

10-U02399 M

NAVAL SHIP ENGINEERING CENTER
(U) TELEMETRY SHAFT TORQUE AND TORSIONAL VIBRATION
MEASUREMENTS CONDUCTED ABOARD AGEH-1
WEISS. R. APR 73 RELEV 4

LTR 6734:RM:JLM:SER 62
REMARKS: LTR INDICATES THAT NAVSEC TORQUE READINGS
ARE 20-40% LESS THAN READINGS FROM SHIP
INSTRUMENTATION. NAVSEC MEASUREMENTS ARE BEL
IEVED TO BE CORRECT

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - PROPULSION

QUERY-PART NO. WNN002 OCT 17 1978

DOCUMENT
NUMBER

10-U05493 M

PUGET SOUND NAVAL SHIPYARD
(U) USS HIGH POINT (PCN-1 MOD-1)-STRUCTUREBORNE AND
AIRBORNE NOISE SURVEY

MAY 74 RELEV 2

T-10146

REMARKS: REF TRIALS PLAN NA0344-9301 (10-U07286)

10-U02023 M

SPAETGENS (T. W.)
(U) EVALUATION OF TORSIONAL VIBRATION CHARACTERISTICS
OF FOILBORNE PROPULSION SYSTEMS-HYDROFOIL
PLAINVIEW (AGEN-1)

APR 72 RELEV 4

C1508-1

NO0406-72-C-0527

REMARKS: INTERIM REPT. SEE DB NO. 10-U02029

10-U02029 M

SPAETGENS (T. W.)
(U) PRELIMINARY ANALYSIS OF POSSIBLE SOLUTIONS TO
TORSIONAL, FLEXURAL AND LONGITUDINAL VIBRATION
PROBLEMS IN FOILBORNE PROPULSION SYSTEMS:
HYDROFOIL "PLAINVIEW" (AGEN-1)

MAY 72 RELEV 4

C1508-3

NO0406-72-C-0527

REMARKS: SEE DB NO. 10-U02023

10-U02508 M

SPAETGENS (T. W.)
(U) REVIEW AND UPDATING OF PREVIOUS INTERIM REPORTS
AND CORRECTIVE MODIFICATION FOR TORSIONAL
VIBRATION PROBLEM HYDROFOIL PLAINVIEW (AGEN-1)

MAY 73 RELEV 4

C1508-4

NO0406-72-C-0527

REMARKS: ALSO SEE NSRDC TECH NOTE ON SAME SUBJECT.

DB NO 10-U02479

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AUXILIARY
SYSTEMS

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - AUXILIARY SYSTEMS

QUERY-PART NO. WNN001

OCT 17 1978

DOCUMENT
NUMBER

10-U02151 M

BOEING CO.
(U) CHARGING AND MONITORING OF THE LOAD COMPENSATOR
FOR FORWARD FOIL ACTUATION SYSTEM-AGEN-1
COLEMAN, J.T.
TN-A-3
N00600-69-C-0618
REMARKS: REVISION B

10-U01197 F

BOEING CO.
(U) MAIN STRUT EXTENSION/RETRACTION SYSTEM TEST
RESULTS
SORENSEN, D.
LTR 2-1524-1000-835
N00600-69-C-0618
REMARKS: INSUFFICIENT AND INCOMPLETE ANALYSIS AND
DOCUMENTATION

10-U06970 F

BOEING CO.
(U) TRIALS PLAN-AGEN-1 INSTRUMENTATION AIR
CONDITIONING MODIFICATION (9 PP)
RE211-A292
REMARKS: EQUIPMENT INSTALLED. NO RPT REQUIRED

10-U06972 F

BOEING CO.
(U) TRIALS PLAN-AGEN-1 SALT WATER MACHINERY
CIRCULATING AND COOLING SYSTEM CYERHAUL AND
MODIFICATION (8 PP)
JUNE 73 RELEV 8
RE213A-A295
REMARKS: EQUIPMENT MODIFIED AND OKAY. NO REPORT
REQUIRED

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - AUXILIARY SYSTEMS

QUERY-PART NO. WNN001

OCT 17 1978

DOCUMENT
NUMBER

10-U06973 F

BOEING CO.
(U) TRIALS PLAN AGEN-1 POTABLE WATER SYSTEM OVERHAUL
AND MODIFICATIONS (12 PP)

JUNE 73 RELEV 7

BE214A-A298

REMARKS: EQUIPMENT MODIFICATION AND OVERHAUL

10-C00019L

BUNKER-RAND CORP.
(U) ACTIVE/PASSIVE RELIABLE ACOUSTIC PATH SONAR
(APRAPS) ANALYSIS AND PREDICTION MODEL AND FINAL
TECHNICAL REPORT (U) (198 PP)

JUNE 77 RELEV 4

DGC NO 50030-7C9

N00024-76-C-6220

REMARKS: GOOD SUMMARY OF APRAPS DEVELOPMENT PROGRESS
TO DATE.

10-U01965 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) REPORT OF EXAMINATION OF NON-METALLIC PIPING
AFTER 18 MONTHS OF SEA WATER SERVICE IN PCN-1
SCHAB. N.W. JAN 72 RELEV 4

MEMO CODE-2707

REMARKS: REF TRIALS PLAN NAO07-P121

10-U07267 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCN-1 STUDY OF PRG AND GRP
PIPING/VALVES FOR SEAWATER SYSTEMS (8 PP)
SCHAB. N. JAN 72 RELEV 8

NAO07-P121

REMARKS: REF REPORT 10-U01965

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - AUXILIARY SYSTEMS

QUERY-PART NO. WNN001

OCT 17 1978

DOCUMENT
NUMBER

10-C00760

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PCM-1 EXERCISE ADJUTANT TRIALS (U) (76 PP)
(COMPREHENSIVE REPORT OF 4-DAY OPERATION)
ROBERTS, J.H. MAR 72 RELEV 4
LYR-SER-01-72
REMARKS: REF TRIALS PLAN NE028-P230 (10-U08728) AND
REPORT 10-S00115

10-U01245 W

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) FIRE-PROTECTION SYSTEM IN USS PLAINVIEW (AGEN-1)
GUSTAFSON, R.E. SEPT 72 RELEV 2
RPT-359

REMARKS: REF TRIALS PLAN NAO20-A251 (10-U07274)

10-U07274 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-AGEN-1 IMPROVED FIRE FIGHTING SYSTEM
(14 PP) SEPT 72 RELEV 5
GUSTAFSON, R.
NAO20-A251
REMARKS: REF RPT 10-U01245

10-U07151 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-AGEN-1 DESIGN AND INSTALLATION OF A
NEW HYDRAULIC SYSTEM OCT 72 RELEV 5
HY081-A278C
REMARKS: BOEING REPORT (MTA 1107-78-008A). REPORT
DUE AFTER DEACTIVATION OF AGEN-1

10-U07268 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) POST DELIVERY MISCELLANEOUS HYDRAULIC SYSTEM
REPAIR AND MODIFICATION TO PLAINVIEW (AGEN-1)(17
PP)
HARMAN, E. AUG 73 RELEV 7
HYSTU PLAN NAO8BC-A135

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HYDROFOIL R AND O TRIALS DOCUMENTATION SUMMARY
TECHNICAL - AUXILIARY SYSTEMS

QUERY-PART NO. WNN001

OCT 17 1978

DOCUMENT
NUMBER

DAVID W. TAYLOR NAVAL SHIP RAD CENTER
(U) TRIALS PLAN-HYDROFOIL UNDERWAY REPLENISHMENT
STATION KEEPING WITH ELECTRONIC DEVICES
JULY 74 RELEV 5
HY089-H316
REMARKS: TRIAL INCONCLUSIVE. NO REPORT RELEASED

10-U07156 F

DAVID W. TAYLOR NAVAL SHIP RAD CENTER
(U) SUMMARY OF HYDROFOIL TRIALS PLANNING WORKSHOP
HELD JUNE 12-13 1974 SEPT 74 RELEV 4
LTR 113:DJC:9080 OF 18 SE

10-U05648 M

DAVID W. TAYLOR NAVAL SHIP RAD CENTER
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I
TECHNICAL ASSESSMENT: HYDROFOIL VOL 1 & VOL II
(U)

10-C01088LM

TN-S00-115-18
REMARKS: REF DB/NO 10-S00168

JUNE 73 RELEV 1

GRUMMAN AEROSPACE CORP.
(U) PROCUREMENT SPECIFICATION SERVO ACTUATORS.
ELECTRO-HYDRAULIC FOR FORWARD FOIL INCIDENCE
CONTROL SYSTEM PLAINVIEW AG(EH)-1
DEC 72 RELEV 4
SPEC. 718-901-3
N00406-72-C-0729
REMARKS: REF TRIALS PLAN MY087-A288 (10-U07156)

10-U05055 M

GRUMMAN AEROSPACE CORP.
(U) DETAILED DESIGN OF AG(EH) FORWARD FOIL FLAP
CONTROL SYSTEM
APR 73 RELEV 3
RPT 718-901-6
N00406-72-C-0729
REMARKS: REF TRIALS PLAN MY087-A288 (10-U07156)

10-U02390 M

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - AUXILIARY SYSTEMS

QUERY-PART NO. MN001

OCT 17 1978

DOCUMENT
NUMBER

10-U07755LM

CAUTION AEROSPACE CORP.
(U) USE OF PLAINVIEW (AGEN) TO EVALUATE ACTIVE
PASSIVE RELIABLE ACOUSTIC PATH SONAR (APRAP)
SYSTEM (42 PP)

FEB 76 RELEV 5

MAR 208-070-1
NO3600-78-C-0246

REMARKS: SEE COMMENTS ATTACHED TO BACK COVER

10-U07189 F

NAVAL ELECTRONICS LABORATORY CENTER
(U) TRIALS PLAN-PCH-1 REPLENISHMENT AT SEA (11 PP)
BERESFORD, D.K.
NE027-P228

JAN 72

RELEV 7

REMARKS: NO REPORT RELEASED

10-U05488 M

NAVAL SEA SYSTEMS COMMAND
(U) PRE-PROTOTYPE ADVANCED CRAFT FUELLING BOOM-FINAL
TEST REPORT

DAN. R.

WONG, E.

WAGNER, J.

TP-18-73

AD910087L

FEB 74

RELEV 4

10-U05053 M

PULSCO LABORATORIES
(U) PRESSURE PULSATION AND SURGE MEASUREMENTS ON THE
PORT PRESSURE FLIGHT HYDRAULIC SYSTEM OF THE

HYDROFOIL RESEARCH SHIP AG(EH)-1

MORRIS, R.P.

R-370

NO060-89-C-0905

REMARKS: ALSO SEE ANALOG STUDY PULSCO RPT A-158, DB

NO 10-U1395

JAN 72

RELEV 4

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CONTROLS

... 10:00 ...

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIAL'S DOCUMENTATION SUMMARY
TECHNICAL - CONTROLS

QUERY-PART NO. WNN003

OCT 17 1978

DOCUMENT
NUMBER

10-U02151 M

BOEING CO.

(U) CHARGING AND MONITORING OF THE LOAD COMPENSATOR
(U) FOR FORWARD FOIL ACTUATION SYSTEM-AGEN-1
COLEMAN, J.T. JAN 72 RELEV 4

NO0600-69-C-0618
TN-A-3
REMARKS: REVISION 8

BOEING CO.

10-U05967 F

(U) TRIALS PLAN-AGEN-1 SIX DEGREE OF FREEDOM DIGITAL
(U) SIMULATION OF THE FOILBORNE (6 PP) JAN 73 RELEV 5

BE206-A285
REMARKS: REF RPTS 10-U05491

BOEING CO.

10-U02931 M

(U) TRIALS REPORT ON DYNAMIC CHARACTERIZATION
READINESS (AGEN-1)
BENZ.R.C. FEB 73 RELEV 4
FARRIS.W.E.
TN-A-12

NO0600-69-C-0618
REMARKS: REF TRIALS PLAN BE181-A256 (10-U06949)

BOEING CO.

10-U06923 F

(U) TRIALS PLAN-AGEN-1 FOILBORNE EMERGENCY
PROCEDURES(16 PP) FEB 73 RELEV 5

BE133A-A286
REMARKS: REF. RPTS.-10-U02156(TN-A-9)

BOEING CO.

10-U06949 F

(U) TRIALS PLAN-AGEN-1 DYNAMIC CHARACTERIZATION
READINESS (38 PP) FEB 73 RELEV 5

BE181-A256
REMARKS: REF RPTS 10-U02931 (TN-A-12)

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - CONTROLS

QUERY-PART NO. WNN003 OCT 17 1978

DOCUMENT
NUMBER

10-U01911 M

BOEING CO.

(U) PLAINVIEW SHIP MOTIONS AND ACS OPERATION
FOLLOWING THE STARBOARD FOIL INCIDENCE CONTROL
ENGINE FAILURE MAR 73 RELEV 2
COLEMAN, J.T.
TN-A-15

N00600-89-C-0618

REMARKS: ALSO SEE NSRDC MEMO, OB NO. 10-U2263

10-U06923 F

BOEING CO.

(U) TRIALS PLAN-AGEN-1 AUTOMATIC CONTROL SYSTEM
MODIFICATION (19 PP) MAY 73 RELEV 7

DE153A-A293

REMARKS: CANCELLED. EQUIPMENT MODIFIED. NO REPORT
REQUIRED

10-U06974 F

BOEING CO.

(U) TRIALS PLAN-PCN-1 AUTOMATIC CONTROL SYSTEM
CONFIGURATION LOG (20 PP) SEPT 73 RELEV 7

DE215B-P304

REMARKS: EQUIPMENT CONFIGURATION CONTROL. NO RPT
REQUIRED

10-U05491 M

BOEING CO.

(U) EQUATIONS FOR AND RESULTS FROM THE DIGITAL
SIMULATION OF THE FOILBORNE AGEN-1
HAGGINS, P.J. JAN 74 RELEV 4
D319-51500

N00600-89-C-0618

REMARKS: REF TRIALS PLAN BE206-4285 (10-U06967)

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - CONTROLS

QUERY-PART NO. WNW003 OCT 17 1978

DOCUMENT
NUMBER

10-U05121 M

BOEING CO.

(U) SHIP BEHAVIOR DURING HARPOON/HYDROFOIL
COMPATIBILITY TESTS ON HIGH POINT (PCH-1)
MAR 74 RELEV 4

LTR 2-1524 -1000-1192

N00003-69-C-0618

REMARKS: REF TRIALS PLAN CNW045-P305 (10-U07247)

BOEING CO.

(U) PCH-1 MOD-1 TRIM, TURNING & STEP RESPONSE
CHARACTERISTICS-DEFINITIVE CHARACTERISTICS
FOILBORNE (16 PP)

APR 74 RELEV 4

2-1524-1000-1233

N00620-69-C-0618

REMARKS: REF TRIALS PLAN-MW042B-P290 (10-U07241)

10-U09818

BOEING CO.

(U) RECOMMENDED OPERATING MODES FOR MUDAP
[INSTALLATION ON PLAINVIEW (AGEH-1) (20 PP)
JUNE 75 RELEV 4

2-1524-1-1506

N00600-75-C-1107

REMARKS: REF-WTA 1107-75-015A

10-U09829

BOEING CO.

(U) AGEH-1 AUTOMATIC CONTROL SYSTEM (PACS)
MALFUNCTION HISTORY (12 PP)

JAN 78 RELEV 4

M-7308-1000-2036

N00600-75-C-1107

REMARKS: REF. WTA 1107-77-020A

10-U09831

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - CONTROLS

QUERY-PART NO. WNN003 OCT 17 1978

DOCUMENT
NUMBER

10-U02401LM

CHARLES STARK DRAPER LABORATORY
(U) HYDROFOIL UNIVERSAL DIGITAL AUTOPILOT
(HMDAP)-PHASE I FINAL REPORT

DOGAN, P.P.
CAMBER, F.S.
DECANIO, F.T.
RPT-745

JAN 73 RELEV 1

N00014-67-A-0204-0060
A08003572

REMARKS: REF. TRIALS PLAN N0064-P328(10-U07258)

10-U05534 M

CHARLES STARK DRAPER LABORATORY
(U) HYDROFOIL UNIVERSAL DIGITAL AUTOPILOT
(HMDAP)PHASE II-FINAL REPORT

CAMBER, F.S.
MEDEIROS, R.
N-817

MAY 74 RELEV 4

N00014-74-C-0009
A04005523

REMARKS: REF TRIALS PLAN N0058-P306 (10-U07250)

10-U07240 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCM-1 AND AGEM-1 DEFINITION AND
DEMONSTRATION OF INTERFACE BETWEEN (HMDAP)
DIGITAL AUTOPILOT AND HYDROFOILS (6 PP)
O'NEILL, W.C.

OCT 72 RELEV 7

N0041-M277

REMARKS: CANCELLED-NO REPORT WRITTEN

10-U07242 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCM-1/AGEM-1 EVALUATION OF HEIGHT
SENSOR IN SEA SPARROW MISSILE ENVIRONMENT (6 PP)
RUSCUS, P.V.

DEC 72 RELEV 5

N0044-M283

REMARKS: REF RPT 10-U07073

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - CONTROLS

QUERY-PART NO. MNH003

OCT 17 1978

DOCUMENT
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PCH-1 HARPOON TECHNICAL TRIALS. RELATED
CORRESPONDENCE AND MISC. DATA
73 RELEV 5
REMARKS: REF TRIALS PLAN NW051A-P302 (10-U07247)

10-U05561 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) FAILURE OF PLAINVIEW (AGEH-1) STARBOARD FOIL
INCIDENT LINK. 11 DECEMBER 1972 MAR 73 RELEV 2
YARNALL, P.
MEMO 73-173-M98
REMARKS: COMPREHENSIVE DESCRIPTION OF THE FAILURE
AND HULL IMPACT. SEE DB NO. 10-U01911

10-U02263 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCH-1 HARPOON HEIGHT SENSOR
COMPATIBILITY EVALUATION (23 PP)
SAXTON, F.N.
RUSCUS, P.V.
NW051A-P302
REMARKS: REF REPORTS 10-U05438, 10-U05121,
10-U05561, AND 10-U05436

10-U07247 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCH-1 EVALUATION OF HYDROFOIL/DIGITAL
AUTOPILOT (HUDAP) (30 PP)
O'NEILL, W.C.
NW0558-P306
REMARKS: REF RPT 10-U05534

10-U07250 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-HYDROFOIL SUNDSTRAND ANV-6 RADAR
ALTIMETER-HEIGHT SENSOR EVALUATION
MAY 74 RELEV 5
HY093-H325
REMARKS: REPORT TO BE RELEASED. SEE TRIALS PLAN
HY104-H341

10-U07161 F

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - CONTROLS

QUERY-PART NO. WNN003

OCT 17 1978

DOCUMENT
NUMBER

10-U07258 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCM-1 EVALUATION OF SEPT. 1974
(U) HYDROFOIL DIGITAL AUTOPILOT (HUDAP) CONFIGURATION
(30 PP)
O'NEILL, W.C. AUG 74 RELEV 5
NN0608-P328

REMARKS: REF. RPT. DRAPER LAB-R745(10-U02401)

10-U05684LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) FATIGUE LOADS FOR PHM CONTROL LINKAGES (120 PP)
BUCKLEY, W.M. SEPT 74 RELEV 2
74-173-M187

REMARKS: LOADS ARE DERIVED FROM ANALYSIS OF PCM MOO-
1 TRIALS DATA

10-U07254 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCM-1 HYDAP TESTS-EFFECTS OF VARIOUS
GAIN ON HULLBORNE MOTION (23 PP)
O'NEILL, W.C. DEC 74 RELEV 5
NN0608-P317

REMARKS: NO REPORT RELEASED

10-U07073LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) EFFECT OF MISSILE LAUNCH BLAST ON ACOUSTIC AND
RADAR HEIGHT SENSORS (17 PP)
RUSCUS, P.V. JULY 75 RELEV 4
SAXTON, F.M.
T&E-SDD-11-0-18
ADB006646

REMARKS: REF TRIALS PLAN NN044-M283 (10-U07242)

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS: DOCUMENTATION SUMMARY
TECHNICAL - CONTROLS

QUERY-PART NO. WNN003

OCT 17 1978

DOCUMENT
NUMBER

10-U07465 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) POSSIBLE INTERACTION BETWEEN PCM-1, MOD 1 AFT
FOIL SYSTEM VIBRATION MODE AND AUTOMATIC CONTROL
SYSTEM (8 PP)
BUCKLEY, W.
MEMO 75-173-M164
NOV 75 RELEV 4

10-U08605LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) BACKGROUND INFORMATION RELATIVE TO RECOMMENDED
SERVICE LIFE PLAN FOR PHM-3 CLASS HYDROFOIL SHIPS
AND IMPLICATIONS RELATIVE TO LONG TERM STRUCTURAL
INITIATIVES
BUCKLEY, W.M.
MEMO 76-173-M146
NOV 76 RELEV 2
REMARKS: A GOOD REVIEW OF STRUCTURAL LESSONS LEARNED
AND A SUMMARY OF PHM-1 STRUCTURAL CRACKS.

10-U08875 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PLAINVIEW (AGEN-1) TECH. TRIALS LOG PACKAGES FOR
THE PERIOD OF 25 APR THRU 17 MAY 1977 VOYAGE NO.
M-9, M-10, M-11, M-12, & M-13 (38 PP)
MAY 77 RELEV 5

10-U05055 M

GRUMMAN AEROSPACE CORP.
(U) PROCUREMENT SPECIFICATION SERVO ACTUATORS,
ELECTRO-HYDRAULIC FOR FORWARD FOIL INCIDENCE
CONTROL SYSTEM PLAINVIEW AG(EH)-1
DEC 72 RELEV 4
SPEC. 718-901-3
N00406-72-C-0729
REMARKS: REF TRIALS PLAN HY087-4286 (10-U07153)

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STRUT / Foil
SYSTEMS

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 1

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. WNN004

OCT 17 1978

DOCUMENT
NUMBER

10-U06957 F

BOEING CO.
(U) STANDARD FOIL SYSTEM SURFACE/PROPELLER
INSPECTIONS-AGEN-1 CANCELLATION OF (6 PP)
JAN 72 RELEV 7
MYSTU PLAN PE:00-AE

10-U04822 M

BOEING CO.
(U) HYDROFOIL CRAFT STRUCTURAL CRITERIA-RELATED
EXPERIENCE
COHN, R.
FRENCH, M.
WATSON, F.
0221-11000-3
N00600-71-C-0556
REMARKS: FOR RECOMMENDATIONS FOR CRITERIA
DEVELOPMENT. SEE BOEING DOC. D221-11000-3
(DB/NO. UO-4820) CURRENTLY UNDER NAVY REVIEW.
APR 72 RELEV 1

10-U06954 F

BOEING CO.
(U) TRIALS PLAN-AGEN-1 FORWARD FOIL INCIDENCE CONTROL
LINKAGE COMPLIANCE MEASUREMENT (11 PP)
MAY 72 RELEV 7
BE187-A265
REMARKS: NO REPORT REQUIRED (CANCELLED)

10-U01896 F

BOEING CO.
(U) STATUS OF SPRAY SHIELD EVALUATION AND
HYDRODYNAMIC OBSERVATIONS. INTERIM REPORT
REIG, D.
LYR-2-1508-1000-448
N00600-69-C-0818
REMARKS: REF TRIALS PLAN MY078-A274 (10-U07148) NO
FINAL REPORT EVER RELEASED
AUG 72 RELEV 5

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 2

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. WNY004

OCT 17 1978

DOCUMENT
NUMBER

10-U05847 F

BOEING CO.
(U) SEARCH FOR STRUCTURALLY SIGNIFICANT SMOOTH WATER
MANEUVERS ON PCM MOD-3 (6 PP)

AUG 72 RELEV 5

LTR 2-1508-1000-686

N00600-69-C-0618

REMARKS: LIST OF TAPES AND TIMES WHERE EXTREME
MANEUVERS WERE EXPERIENCED. ALSO SUMMARY OF
4/30/68 LOG IMPACT

10-U01197 F

BOEING CO.
(U) MAIN STRUT EXTENSION/RETRACTION SYSTEM TEST
RESULTS

JAN 73 RELEV 5

SOBENSON, D.

LTR 2-1524-1000-835

N00600-69-C-0618

REMARKS: INSUFFICIENT AND INCOMPLETE ANALYSIS AND
DOCUMENTATION

10-U02578 M

BOEING CO.
(U) STRUCTURAL INSPECTION-AGEN-1 PLAINVIEW PRE-ROUGH
WATER TESTING (1972)(HYSTU PLAN BE129-A197)

JAN 73 RELEV 4

LTR 2-1524-1000-827

N00600-69-C-0618

10-U01911 M

BOEING CO.
(U) PLAINVIEW SHIP MOTIONS AND ACS OPERATION
FOLLOWING THE STARBOARD FOIL INCIDENCE CONTROL
LINKAGE FAILURE

MAR 73 RELEV 2

COLEMAN, J.T.

TN-A-15

N00600-69-C-0618

REMARKS: ALSO SEE NSRDC MEMO, JB NO. 10-U2263

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 3

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. MN004

OCT 17 1978

DOCUMENT
NUMBER

10-U02629 M

BOEING CO.
(U) AGEM-1, APT STRUT STRUCTURAL REVIEW, STATION 75
TO 125

ROUND, D.M.
MAY 73 RELEV 4

LTR 2-1524-1000-961
N00600-69-C-0618

10-U02444 M

BOEING CO.
(U) DIFFERENCES BETWEEN PREDICTED AND ACTUAL
DIRECTIONAL STABILITY AND FLAT TURNING
CHARACTERISTICS

MCWASSON, R.E.
JUNE 73 RELEV 2
REG. D.F.
TN-A-11

N00600-69-C-0618

REMARKS: REF TRIALS PLAN BE132A-A241 (10-U06824)

10-U02769 M

BOEING CO.
(U) INCIDENT CONTROL ROD LOADS AND FOIL ANGLE
DISPLACEMENTS PLAINVIEW, AGEM-1

ROUND, D.M.
AUG 73 RELEV 4

YOUNGSTROM, W.R.
LTR 2-1524-1000-1074
N00600-69-C-0618

REMARKS: REF. HYSTU MTA NO. 0618-73-068A

10-U02867 F

BOEING CO.
(U) STRUCTURAL MONITORING REQUIREMENTS FOIL AND STRUT
INSTRUMENTATION SYSTEM HIGH POINT PCH-1 (MOD 1)115

NOV 1973
ROUND, D.M.
NOV 73 RELEV 5

LTR 2-1524-1000-1133
N00600-69-C-0618

REMARKS: REVISED

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL W AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. WNN004

OCT 17 1978

DOCUMENT
NUMBER

10-U05037 M

BOEING CO.
(U) AGEH-1 PLAINVIEW. RESULTS OF PRE-ROUGH WATER
TRIALS. PART A
CHANG. F.
IN-A-14
N00600-69-C-0618
REMARKS: REF TRIALS PLAN BE152A-A273 (10-U06922)

FEB 74 RELEV 4

10-U05121 M

BOEING CO.
(U) SHIP BEHAVIOR DURING HARPOON/HYDROFOIL
COMPATIBILITY TESTS ON HIGH POINT (PCH-1)
LTR 2-1524 -1000-1192
N00600-69-C-0618
REMARKS: REF TRIALS PLAN CNW045-P305 (10-U07247)

MAR 74 RELEV 4

10-U05489 F

BOEING CO.
(U) BOEING RECOMMENDED ITEMS FOR NSRDC WORKSHOP (JUNE
1974)

JUNE 74 RELEV 5

10-U05711 M

BOEING CO.
(U) LATERAL BENDING MOMENT LOADS AND RUDDER TORQUES
REF STRUT, PLAINVIEW (AGEH-1). 1 AND 9 NOVEMBER
1972 (39 PP)
ROIMD. D.M.
LTR 2-1524-1000-1333
N00600-69-C-0618
REMARKS: REF TRIALS PLAN BE199A-A279 (10-U08981).
CONTAINS DATA ON CYCLIC LOAD MEASUREMENTS
OBTAINED IN SEA STATE 3.

OCT 74 RELEV 4

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REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION
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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 5

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. WNN004

OCT 17 1978

DOCUMENT
NUMBER

10-U06245 M

BOEING CO.
(U) AFT NACELLE CRACKS, HIGH POINT (PCM-1) 274-1975
RAV (36 PP)
ROUND, D.M.
LTR 2-1524-1000-1448
N05600-75-R-5007

MAR 75 RELEV 2

10-U05756 M

BOEING CO.
(U) INVESTIGATIONS OF BOLTS FROM PCM-1 MOD-1 (14 PP)
ROBERTS, E.C.
METAL LAB RPT-5057

APR 75 RELEV 4

10-U07354 M

BOEING CO.
(U) WORK AND ANALYSIS PLAN FOR HYDROFOIL LOADS
CRITERIA SUPPORT-HIGH POINT (PCM-1) MOD 1: REPORT
NO. 3 LOADING INCIDENTS-ROUGH WATER TRIALS, NOV-
DEC 1975 (25 PP)
ROUND, D.M.
LTR H-7308-1000-1706
N05600-75-C-1107
REMARKS: A TABULATION OF HIGH OR UNUSUAL LOADING
INCIDENTS DURING THE ROUGH WATER TRIALS OF PCM.

FEB 76 RELEV 5

10-U08973LM

BOEING CO.
(U) HYDROFOIL COATINGS LOG (34 PP)
MARTIN, D.M.
D324-51308-1
N00167-76-W-8241
REMARKS: AN IMPORTANT SUMMARY OF THE HISTORY OF
COATING PERFORMANCE ON U. S. HYDROFOILS-HULL,
FOILS, STRUTS.

SEPT 76 RELEV 3

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AD-A102 138

WHEELER INDUSTRIES INC WASHINGTON D C
ADVANCED HYDROFOIL DEVELOPMENT TRIALS PROGRAM DOCUMENTATION REV--ETC(U)
OCT 78

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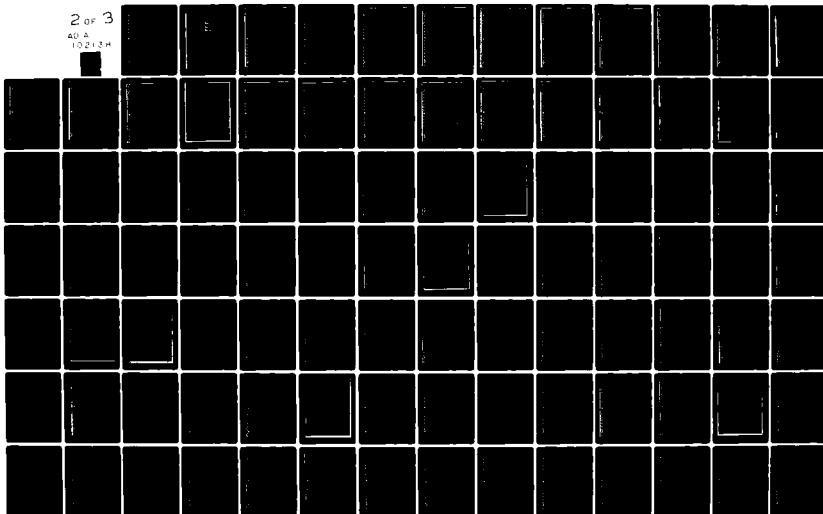
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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 6

SEARCH FOR

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - STRUT AND FOIL

OCT 17 1978

DOCUMENT
NUMBER

QUERY-PART NO. NNN004

10-U09953

BOEING CO.
(U) ANALYSIS OF PEGASUS (PMM-1) AND HIGH POINT (PCM-1)
MOD-11 FOIL CAVITATION AND CAMBER (35 PP)
OCT 76 RELEV 4

N-7520-7504-013
N00024-73-C-0257
REMARKS: REF TRIAL PLAN N0076-P394 (10-U09937)

10-C00874 M

BOLT BERANEK AND NEWMAN, INC.
(U) MODEL AND SILENCING PROGRAM FOR UNDERWATER
RADIATED NOISE FROM HYDROFOIL CRAFT (U) (107 PP)
SMULLIN, J.
JAN 73 RELEV 4

RPT-2496
N00600-72-C-0890
REMARKS: DRAFT

10-U02401LM

CHARLES STARK DRAPER LABORATORY
(U) HYDROFOIL UNIVERSAL DIGITAL AUTOPILOT
(MUDAP)-PHASE I FINAL REPORT
JOGAN, P.P.
GAMBER, F.S.
DECANIO, P.T.
RPT-745
JAN 73 RELEV 1

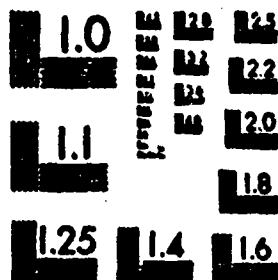
N00014-67-A-0204-0060
AD8003572
REMARKS: REF. TRIALS PLAN N0064-P328(10-U07258)

10-UC7145 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-AGCM-1 MAIN STRUT (EERING AND
STRUT/FOIL STRAIL GAGING (8 PP)
JUNE 72 RELEV 1

N0075-4266
REMARKS: EQUIPMENT INSTALLED-NO REPORT REQUIRED

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1913-A

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 7

HYDROFOIL B AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. W00004

OCT 17 1978

DOCUMENT
NUMBER

DAVID W. TAYLOR NAVAL SHIP RAD CENTER
(U) TRIALS PLAN-AGEN-1 DESIGN AND INSTALLATION OF
PERMANENT STEUT SPRAY FENCES (5 PP)
AUG 72 RELEV 7

10-U07148 F

MY078-A274

REMARKS: REP RPTS 10-U01896 (FENCES WERE LATER
REMOVED). NO FINAL REPORT RELEASED.

DAVID W. TAYLOR NAVAL SHIP RAD CENTER
(U) TRIALS PLAN-AGEN-1 DESIGN FABRICATION AND
INSTALLATION OF LENGTHENED/STRENGTHENED HY-130
TAIL STRUT (8 PP)
AUG 72 RELEV 5

10-U07148 F

MY079A-A278

REMARKS: SEE GRUMAN DESIGN AND CONSTRUCTION
DOCUMENTATION

DAVID W. TAYLOR NAVAL SHIP RAD CENTER
(U) MEASUREMENT OF AGEN STRUT-FOIL AND HULL DYNAMIC
CHARACTERISTICS BY "PLUCK" TEST
PEOPLES, J.W.
168-SAD-13E-1966
SEPT 72 RELEV 2

10-U01230 M

REMARKS: PROVIDES VERIFICATION OF ANALYTICAL AND
EXPERIMENTAL TECHNIQUES

DAVID W. TAYLOR NAVAL SHIP RAD CENTER

10-U01441UM

(U) HYDRODYNAMIC AND STRUCTURAL PARAMETERS FOR
T-FOILS ON SIX FULL-SCALE HYDROFOIL CRAFT
BESCH, P.K.
FEB 73 RELEV 2
TN-SPD-248

REMARKS: PHB DATA OUT OF DATE AS OF 02/73

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 8

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. 00004

OCT 17 1978

DOCUMENT
NUMBER

10-U02263 M

DAVID W. TAYLOR NAVAL SHIP RAD CENTER

(U) FAILURE OF PLAINVIEW (AGEN-1) STARBOARD FOIL

INCIDENT LINE, 11 DECEMBER 1972

YARNALL, P. MAR 73 RELEV 2

MEMO 73-173-008

REMARKS: COMPREHENSIVE DESCRIPTION OF THE FAILURE
AND FULL IMPACT. SEE DB NO. 10-U01911

10-U07158 F

DAVID W. TAYLOR NAVAL SHIP RAD CENTER

(U) TRIALS PLAN-AGEN-1 FLAP CONTROL SYSTEM (8 PP)

APR 73 RELEV 5

HY007-A208

REMARKS: REF RPTS 10-U05081, 10-U05055, 10-U02390,

10-U02391 AND 10-U02407

10-U05875 M

DAVID W. TAYLOR NAVAL SHIP RAD CENTER

(U) SERVICE EXPERIENCE OF STRUT AND FOIL DAMAGE ON

NAVY HYDROFOILS (3 PP)

BUCKLEY, W.M.

MEMO MF-114/ 9506-1 GEN

REMARKS: INFORMAL SUMMARY OF DEBRIS IMPACTS. NOT A

COMPREHENSIVE TREATMENT

10-U07248 F

DAVID W. TAYLOR NAVAL SHIP RAD CENTER

(U) TRIALS PLAN-PCH-1 MOD-1 CALM WATER STRUCTURAL

TESTS (27 PP)

BUCKLEY, W.M.

HY049-P294

REMARKS: REF RPTS 10-U05046, 10-U08834, 10-U05847

AND 10-U08118

10-U07159 F

DAVID W. TAYLOR NAVAL SHIP RAD CENTER

(U) TRIALS PLAN-COATING SYSTEM STUDIES FOR THE

CORROSION PROTECTION OF HY-130 STEEL (27 PP)

SEPT 73 RELEV 5

HY091-K383

REMARKS: REF RPT 10-U06817

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SMART SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 9

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. UNH004

OCT 17 1978

DOCUMENT
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U02802 F
(U) RESULTS OF INSPECTION OF AGENT-1, PLAINVIEW STRUTS
AND FOILS. DURING SEPTEMBER 17-21, 1973
JOHNSON, R.E. OCT 73 RELEV 5
MEMO CODE-173.2

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U05038 M
(U) HIGH POINT, PCH-1 MOD 1 DEBRIS AVOIDANCE INCIDENT
ON 5 DECEMBER 1973
YAMALL, P. FEB 74 RELEV 4
MEMO CODE-173.3

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U04998L
(U) RESULTS OF VISIT TO HYSTU, BOEING NAVAL SYSTEMS
DIVISION AND PRELIMINARY RESULTS OF PCH-1 MOD 1
CALM WATER STRUCTURAL TRIALS. FEBRUARY 20-26,
1974
BUCKLEY, W.H. MAR 74 RELEV 5
MEMO CODE-173.3

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U05048 M
(U) ADEQUACY OF PCH-1 MOD 1 FORWARD STRUT DESIGN
LOADS
BUCKLEY, W.H. APR 74 RELEV 2
MEMO 173:WAB, 74-173-W78
REMARKS: REF TRIALS PLAN NM049-P294 (10-U07245)

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U05118 M
(U) PRELIMINARY RESULTS OF PCH-1 MOD 1 ROUGH WATER
TRIALS (STRUCTURAL DATA)
BUCKLEY, W.H. APR 74 RELEV 4
74-173-WB2

REMARKS: REF TRIALS PLAN NM054B-P310 (10-U07249).
MEMO ALSO REVIEWS STRUCTURAL DETAILS OF MOD-1
CONTROL SYSTEM

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 10

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. WMM004

OCT 17 1978

DOCUMENT
NUMBER

10-U05119 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PCH-1 MOD 1 KING POST DRAG BENDING
YARNALL, P. APR 74 RELEV 5

MEMO 1731PY 74-173-865
REMARKS: DESCRIBES DETAILS OF PCH-2 KING POST
STRUCTURAL CRACKS AND FAILURE

10-U05120 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) FOIL FLAP VIBERS ON HIGH POINT, PCH-1 MOD 1
YARNALL, P. APR 74 RELEV 4
74-173-864

10-U05277 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) USS PLAINVIEW (AGOS-1) PRELIMINARY VIBRATION
STUDIES-REP TRIALS PLAN N0031-A231 (10-U07231)
SCHAUER, R.E. APR 74 RELEV 2

18E-S10-78E-1988
REMARKS: WELL DONE STUDY WHICH COMPARES FULL SCALE
AND ANALYTICAL PREDICTIONS FOR HULL AND FOIL
SYSTEM VIBRATIONAL CHARACTERISTICS AND STRUT
FLUTTER SPEEDS. COMPARISON WITH MIL STD 1678 AND
HUMAN VIBRATION TOLERANCES LEVELS ARE ALSO MADE

10-U05451 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) HYDROELASTIC DESIGN OF SUBCAVITATING AND
CAVITATING HYDROFOIL STRUT SYSTEMS
BESCH, P.R. APR 74 RELEV 1
LIU, Y.
NPT-4257

A0780776
REMARKS: PRESENTS DESIGN PROCEDURES AND PARAMETRIC
TRENDS THAT CAN BE USED TO AVOID FLUTTER AND
DIVERGENCE IN HYDROFOIL STRUT-FLUTTER SYSTEMS. A
GOOD SUMMARY OF HYDROELASTIC RESEARCH THAT IS
APPLICABLE TO THE DESIGNER

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 11

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. WNN004

OCT 17 1978

DOCUMENT
NUMBER

10-U05532 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) COATINGS FOR PCH-1 HIGH POINT STRUT/FOILS

KELLY, J.J. JULY 74 RELEV 4

MEMO CODE-2803

10-U07256 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) TRIALS PLAN-PCH-1 MOVIES OF STRUCTURAL MANEUVERS

(7 PM

YARNALL, P. JULY 74 RELEV 5

W063-P324C

REMARKS: ONE MOVIE COMPLETED-REMAINDER OF TRIAL

CANCELLED 121116315:1092:1A1567:2002:0100

10-U07257 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) TRIALS PLAN-PCH-1 STRUCTURAL INSTRUMENTATION

INSTALLATION (24 PP)

YARNALL, P. JULY 74 RELEV 5

W063-P327C

REMARKS: EQUIPMENT INSTALLED-NO REPORT REQUIRED

10-U05684LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) FATIGUE LOADS FOR PCH CONTROL LINKAGES (120 PP)

BUCKLEY, W.H. SEPT 74 RELEV 2

74-173-8187

REMARKS: LOADS ARE DERIVED FROM ANALYSIS OF PCH MOD-1 TRIALS DATA

10-U05770 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) CRACKS IN THE PROPULSION PODS OF HIGH POINT (PCH-

MOD-1)

YARNALL, P. NOV 74 RELEV 4

74-173-8208

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 12

HYDROFOIL B AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. MM004 OCT 17 1978

DOCUMENT
NUMBER

10-U06248LF

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIP REPORT TO MYSTU AND BOEING (RE: AGEH
FOIL/STRUT INSPECTION:PCN-1 MOD-1 TRIALS SUMMARY
(21 PP)
YARNALL, P. NOV 74 RELEV 8
JAB/74-173-821

10-U07259 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCN-1 FLAP EFFECTIVENESS-STATIC
DYNAMIC DURING MANEUVERS AND FOLLOWING BROACHING
(27 PP)
O'NEILL, W.C. DEC 74 RELEV 8
MM005-329
REMARKS: NO REPORT RELEASED

10-U07726 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) RESULTS OF PRELIMINARY VIBRATION SURVEY OF PCN-1
PROPELLER GEAR BOX, NOV. 12-14, 1974 (12 PP)
DEC 74 RELEV 4
74-173-8224

10-U06260 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) MODIFICATION TO MYSTU PLANS DUE TO INCREASED
STRUCTURAL INSTRUMENTATION ON HIGH POINT (3 PP)
YARNALL, P. FEB 78 RELEV 8
MEMO 173:PT:JAD /75-173-M1

10-U06541

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) HYDROFOIL DEBRIS IMPACT HISTORY (3 PP)
MAR 78 RELEV 7
LTR 3009/MTORO HP-21

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 13

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. WNM004

OCT 17 1978

DOCUMENT
NUMBER

10-U06336 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PRELIMINARY RESULTS OF PCN-1 PROPELLER GEAR BOX
STRAIN MEASUREMENTS DURING POST RAY CHECKOUT
13/21/75) AND IN-AIR TESTS (2/19/75) (18 PP)
BUCKLEY, W.M. MAY 75 RELEV 4
75-173-000

10-U06817 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) INSPECTION OF USS HIGH POINT (PCN-1) STRUT FOIL
COATING ON 14 1975 (2 PP)
RELEV 4
REMARKS: REF TRIALS PLAN WY081-4303 (10-U07159)

10-U09822

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) NACELLE & FOIL SYSTEM BOLTS, REPLACEMENT OF (1
PP)

OCT 75 RELEV 4

75-173-0149
REMARKS: REF WTA 0618-75-013P

10-U07468 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) POSSIBLE INTERACTION BETWEEN PCN-1, MOD 1-2 PT
FOIL SYSTEM VIBRATION MODE AND AUTOMATIC CONTROL
SYSTEM (8 PP)
BUCKLEY, W. NOV 75 RELEV 4
MEMO 75-173-0164

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 14

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. UNH004

OCT 17 1978

DOCUMENT
NUMBER

10-U07408 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) REPORT OF VISIT TO BOEING BENTON PLANT 10/28.
ATTENDANCE AT HYDROFOIL PROGRAM REVIEW 10/28 AND
10/29. AND VISIT TO MICRUM AND SPAULDING
ASSOCIATES 10/29 (4 PP)

BUCKLEY, W. NOV 78 RELEV 4

LTR-78-173-M182
N00600-78-C-1107

10-U07436LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) REVIEW OF CONTRACTOR FATIGUE LOADS FOR UPPER END
OF P&H-1/PM-3 FORWARD S.UT (18 PP)
BUCKLEY, W. DEC 75 RELEV 4
MEMO 75-173-177

10-UC8000LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) CHARACTERIZATION OF HYDROFOIL COATINGS ON THE
BASIS OF ADHESION STRENGTH & PROXION RESISTANCE
(20 PP)

BOHLANDER, G.S.
PREISER, M.S.
RPT-78-0048
AD8011503

APR 78 RELEV 2

10-CS1086LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I
TECHNICAL ASSESSMENT; HYDROFOIL VOL I & VOL II
(U)

JUNE 78 RELEV 1

TN-500-119-18

REMARKS: REF DB/NO 10-500168

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 15

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. NN004

OCT 17 1978

DOCUMENT
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07725 M
(U) UNSTEADY LOADS ON PCH-1 MOD-1 AFTER FOIL SYSTEM
(13 PP)
GILL, D.E.
78-173-067
JUNE 78 RELEV 4

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U08021 M
(U) REVIEW OF PCH-1 FOIL SYSTEM VIBRATION INFORMATION
FOR USE IN PREPARATION OF VIBRATION SURVEY TRIALS
PLAN (48 PP)
YARNALL, P.
L78-76-173-M102
AUG 78 RELEV 5

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U08485 M
(U) PCH-1 MOD-1 CALM WATER TRIALS DATA FOR
TRANSMITTAL TO BOEING FOR COMPARISON WITH SIMILAR
PCH-1 DATA (63 PP)
L78-76-173-M125
SEPT 78 RELEV 4
REMARKS: DATA ON CALM WATER DEBRIS AVOIDANCE
MANEUVERS AND FORWARD FOIL BROACHES.

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U08834 M
(U) PCH-1 MOD-1 CALM WATER TRIALS DATA FOR
TRANSMITTAL TO BOEING FOR COMPARISON WITH SIMILAR
PCH-1 DATA (63 PP)
GILL, D.E.
L78-76-173-M125
SEPT 78 RELEV 4
REMARKS: REF TRIALS PLAN NN049-P204 (10-U07345)

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SHIP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 16

HYDROFOIL R AND O TRIALS DOCUMENTATION SUMMARY
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. WMO04

OCT 17 1978

DOCUMENT
NUMBER

10-U0805LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) BACKGROUND INFORMATION RELATIVE TO RECOMMENDED
SERVICE LIFE PLAN FOR PMB-3 CLASS HYDROFOIL SHIPS
AND IMPLICATIONS RELATIVE TO LONG-TERM STRUCTURAL
INITIATIVES

BUCKLEY, W.H. NOV 78 RELEV 2

MEMO-76-173-M146

REMARKS: A GOOD REVIEW OF STRUCTURAL LESSONS LEARNED
AND A SUMMARY OF PMB-1 STRUCTURAL CRACKS.

10-U09837

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCM-1 FORWARD FOIL CAVITATION
VERIFICATION TRIAL (INCLUDES AGENDA) (32 PP)

NOV 78 RELEV 5

MEMO-76-P334

REMARKS: RPT. DUE

10-U0808LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) RESULTS OF VISIT TO BOEING (MSO) 4/26-28 REVIEW
OF PMB-3 SERVICE LOADS & PCM-1 (MOD-1) KING POST
FATIGUE ANALYSIS (8 PP)

BUCKLEY, W.H. MAR 77 RELEV 4

LT-77-173-M299

10-U08934 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) CALM WATER RED LINE VALUES FOR AGEM-1 MAIN FOIL
STRAIN GAGES (8 PP)

YARNALL, P. JUNE 77 RELEV 4

MEMO 77-173-M133

REMARKS: ALSO INCLUDES MEMO 77-173-M150 WHICH AGREES
MEMO 77-173-M133.

10-U08990 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) IMPROVED SET OF PCM-1 MOD-1 FORWARD STRUT LOAD
CALIBRATION EQUATIONS (8 PP)

GILL, D.E. AUG 77 RELEV 5

MEMO 77-173-M174

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 17

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY:
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. UNH004

OCT 17 1978

DOCUMENT
NUMBER

10-U09542 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) REVIEW OF FLIGHT SAFETY REQUIREMENTS FOR
STRUCTURAL INSTRUMENTATION ON PLAINVIEW (AGEM-1)
(19 PP)
YARNALL, P. AUG 77 RELEV 4
MEMO 77-173-8176

10-U09597 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) COMMENTS ON HYSTU PLAN -TRP COMPOSITE FOIL FLAP-
12 PP
YARNALL, P. OCT 77 RELEV 4
LTR-77-173-8213

10-U07230 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-AGEM-1 CALM WATER FOIL LOAD
CHARACTERISTICS-PART A (82 PP)
BEACH, J.E. SEP 78 RELEV 5
N0030-4227
REMARKS: NO REPORT

10-U05055 M

GRUMMAN AEROSPACE CORP.
(U) PROCUREMENT SPECIFICATION SERVO ACTUATORS.
ELECTRO-HYDRAULIC FOR FORWARD FOIL INCIDENCE
CONTROL SYSTEM PLAINVIEW AG(EN)-1
SPEC. 710-901-3 DEC 72 RELEV 4
N00406-72-C-0729
REMARKS: REF TRIALS PLAN HY087-4288 (10-U07156)

10-U02312 M

GRUMMAN AEROSPACE CORP.
(U) ANALYSIS OF AG(EN) PROTOTYPE FORWARD FOIL LIFT
AND MOMENT DATA
BRIGHT, M.R. FEB 73 RELEV 2
NOTE AG-13
REMARKS: A GOOD CRITIQUE AND ANALYSIS OF TRIAL DATA
AND COMPARED WITH MODEL AND THEORETICAL ANALYSIS.

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SWAMP SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 18

SEARCH FOR

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. WNN064

OCT 17 1978

DOCUMENT
NUMBER

10-U02388 M

GRUMMAN AEROSPACE CORP.
(U) HYDRODYNAMIC POTE AG-14 AJ(EM)INCIDENCE HINGE
COMMENTS
WRIGHT, H.R.
NOTE AG-14
W00014-71-C-0160
FEB 73 RELEV 4

10-U05081 M

GRUMMAN AEROSPACE CORP.
(U) PROPOSAL FOR-AG(EN)AUTOMATIC CONTROL SYSTEM
(ACS)DESIGN FOR FLAP-CONTROLLED FOIL
FEB 73 RELEV 7
RPT-72-77H(U)
REMARKS: REF TRIALS PLAN HY087-A288 (10-U07156)

10-U02391 M

GRUMMAN AEROSPACE CORP.
(U) AG(EN)-1 WEIGHT CHANGE SUMMARY-FLAP CONTROL
SYSTEM
MAR 73 RELEV 5
RPT 718-901-5
W00406-72-C-0729
REMARKS: REF TRIALS PLAN HY087-A288 (10-U07156)

10-U02390 M

GRUMMAN AEROSPACE CORP.
(U) DETAILED DESIGN OF AG(EN)FORWARD FOIL FLAP
CONTROL SYSTEM
APR 73 RELEV 3
RPT 718-901-6
W00406-72-C-0729
REMARKS: REF TRIALS PLAN HY087-A288 (10-U07156)

10-U02397

GRUMMAN AEROSPACE CORP.
(U) AGEN FLAP LIFT CONTROL SYSTEM STRESS ANALYSIS
APR 73 RELEV 3
RPT 718-901-4
W00406-72-C-0729
REMARKS: REF TRIALS PLAN HY087-A288 (10-U07156). A
VERY VOLUMINOUS REPORT (4 INCHES THICK)

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. BNN004

OCT 17 1976

DOCUMENT
NUMBER

10-U02091 M

WARE ISLAND NAVAL SHIPYARD
(U) HYDROFOIL COATINGS PROJECT USS HIGH POINT (PCN-1)
FOIL INSPECTIONS AND REFURBISHMENTS-SUMMARY
REPORT COVERING PERIOD 9/69-9/71

JUNE 72 RELEV 3

TN-134.5-71

REMARKS: REF TRIALS PLAN NA023-P182 (10-U07276)

10-U01851 F

WARE ISLAND NAVAL SHIPYARD
(U) COATING DEVELOPMENT FOR HYDROFOILS-PROGRESS
REPORT-MARCH 1973

MAR 73 RELEV 5

LTR 134.5-54

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MATERIALS

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SEARCH FOR PAGE 1

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - MATERIALS

QUERY-PART NO. UNNOOS

OCT 17 1978

DOCUMENT
NUMBER

10-U00957 P

BOEING CO.
(U) STANDARD FOIL SYSTEM SURFACE/PROPELLER
INSPECTIONS-AGEN-1; CANCELLATION OF (8 PP)
JAN 72 RELEV 7
HYSTU PLAN BE190-AC

10-U02578 M

BOEING CO.
(U) STRUCTURAL INSPECTION-AGEN-1 PLAINVIEW PRE-ROUGH
WATER TESTING (1972)(HYSTU PLAN BE123-A197)
JAN 73 RELEV 4
LTR 2-1524-1000-827
NO0600-89-C-0618

10-U01991 M

BOEING CO.
(U) EXFOLIATION CORROSION INSPECTION REPORT, OUTER
SHELL-ROOT TOP AREA, PLAINVIEW, AGEN-1, 18 FEB
1973
MAR 73 RELEV 4
LTR 2-1834-1000-917
NO0600-89-C-0818

10-U03245 M

BOEING CO.
(U) AFT MACELLE CRACKS, HIGH POINT (PCH-1), 1974-1975
RAY (36 PP)
ROUND. D.M.
MAR 75 RELEV 2
LTR 2-1524-1000-1448
NO0600-78-R-5007

10-U05756 M

BOEING CO.
(U) INVESTIGATIONS OF BOLTS FROM PCH-1 MOD-1 (14 PP)
ROBERTS, E.C.
APR 78 RELEV 4
METAL LAB RPT-5057

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 2

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - MATERIALS

QUERY-PART NO. WNW005

OCT 17 1978

DOCUMENT
NUMBER

10-U08973LM

BOEING CO.
(U) HYDROFOIL COATINGS LOG (34 PP) SEPT 76 RELEV 3
MARTIN, D.W.
0324-51308-1
N00167-78-W-8241
REMARKS: AN IMPORTANT SUMMARY OF THE HISTORY OF
COATING PERFORMANCE ON U. S. HYDROFOILS-HULL,
FOILS, STRUTS.

10-U08833 M

BOEING CO.
(U) FATIGUE ANALYSIS OF THE PCM-1 KING POST (45 PP)
ROUND, D.W.
RPT-6
MAR 77 RELEV 4

10-U09828

BOEING CO.
(U) FAILED AGEM-1 PROPELLER M & P METALLURGICAL
LABORATORY SUPPORT (7 PP) DEC 79 RELEV 4
ROBERTS, E.
2-5618-0077-278
N00600-78-C-1107
REMARKS: REF-TWA-1107-77-010A & D/S NO. 10-U09827

10-U09827

BOEING CO.
(U) AGEM-1 FAILED PROPELLER BLADE FATIGUE TEST
LABORATORY TEST REPORT (5 PP) MAR 78 RELEV 4
ROBERTS, E.
2-5618-0078-048
N00600-78-C-1107
REMARKS: REF-TWA-1107-77-010A-REV-1 & D/S NO.
10-U09828

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 3

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - MATERIALS

QUERY-PART NO. UNNOOS

OCT 17 1972

DOCUMENT
NUMBER

10-U01965 M

DAVID W. TAYLOR NAVAL SHIP RAD CENTER
(U) REPORT OF EXAMINATION OF NON-METALLIC PIPING
AFTER 18 MONTHS OF SEA WATER SERVICE IN PCH-1
SCHAB. H.W.
JAN 72 RELEV 4
MEMO CODE-2707
REMARKS: REP TRIALS PLAN NA007-P121

10-U07267 P

DAVID W. TAYLOR NAVAL SHIP RAD CENTER
(U) TRIALS PLAN-PCH-1 STUDY OF PRG AND CRP
PIPING/VALVES FOR SEAWATER SYSTEMS (8 PP)
SCHAB. H.
JAN 72 RELEV 5
NA007-P121
REMARKS: REP REPORT 10-U01965

10-U07276 P

DAVID W. TAYLOR NAVAL SHIP RAD CENTER
(U) TRIALS PLAN-PCH-1 CONTINUATION OF DOCUMENTATION
AND REPORTING ON SELECTION, APPLICATION AND
PERFORMANCE OF PROTECTIVE COATINGS ON FOIL AND
PROPELLERS (4 PP)
BIDFORD. G.
JUNE 72 RELEV 7
NA023-P182
REMARKS: REP RPT 10-U03091

10-U07149 P

DAVID W. TAYLOR NAVAL SHIP RAD CENTER
(U) TRIALS PLAN-AGSM-1 DESIGN FABRICATION AND
INSTALLATION OF LENGTHENED/STRENGTHENED HY-130
TAIL STRUT (9 PP)
AUG 72 RELEV 5
HY079A-A276
REMARKS: SEE GRUMAN DESIGN AND CONSTRUCTION
DOCUMENTATION

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SHIP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 4

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - MATERIALS

QUERY-PART NO. 000005

OCT 17 1978

DOCUMENT
NUMBER

10-U07274 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-AGEN-1 IMPROVED FIRE FIGHTING SYSTEM
(14 PP)

SEPT 72 RELEV 5

GUSTAFSON, R.

NAGSO-AZ91

REMARKS: REF RPT 10-U01245

10-U05840 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) FATIGUE DAMAGE SURVEY OF EXISTING HIGH
PERFORMANCE SURFACE SHIPS (14 PP)
JOHNSON, W.S.
7N-5D-173-238

DEC 72 RELEV 4

10-U02612 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIP REPORT-FIELD APPLICATION OF THREE CANDIDATE
NON-SLIP, DECK-COVERING SYSTEMS ON INTERIOR
ALUMINUM DECK OF USS PLATINUM AGCM-1 AS
EXPERIMENTAL TEST PATCHES
DAVANG, S.M.
MEMO CODE-28411SD O

APR 73 RELEV 4

10-U07158 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-COATING SYSTEM STUDIES FOR THE
CORROSION PROTECTION OF HY-130 STEEL (27 PP)

SEPT 75 RELEV 5

HY091-N303

REMARKS: REF RPT 10-U06617

10-U02802 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) RESULTS OF INSPECTION OF AGCM-1, PLATINUM STRUTS
AND FOLLS, DURING SEPTEMBER 17-21, 1973
JOHNSON, R.E.
MEMO CODE-173.2

OCT 73 RELEV 5

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SEARCH FOR PAGE 5

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - MATERIALS

QUERY-PART NO. 000005

OCT 17 1978

DOCUMENT
NUMBER

10-L25110 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PRELIMINARY RESULTS OF PCH-1 MOD 1 ROUGH WATER
TRIALS (STRUCTURAL DATA) APR 74 RELEV 4
BUCKLEY, W.M.
74-173-003

REMARKS: REF TRIALS PLAN 00048-P310 (10-007249).
MEMO ALSO REVIEWS STRUCTURAL DETAILS OF MOD-1
CONTROL SYSTEM

10-U05282 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) INSPECTION TRIP TO U. S. NAVY HYDROFOIL
PLAINVIEW (AGEN-1112-14 OCT 1973 (TRIP REPORT)
JOHNSON, W.S. JUNE 74 RELEV 2
LTR 74-173-99:173:WSJ

10-U05532 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) COATINGS FOR PCH-1 HIGH POINT STRUT/FOILS
RELEV 4
JULY 74
KELLY, J.J.
MEMO CODE-2803

10-U05845 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) SUMMARY OF HYDROFOIL TRIALS PLANNING WORKSHOP
HELD JUNE 12-13 1974
SEPT 74 RELEV 4
LTR 119:0C:0080 OF 18 SE

10-U06348LP

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIP REPORT TO HYSTU AND BOEING (RE: AGEN
FOIL/STRUT INSPECTION; PCH-1 MOD-1 TRIALS SUMMARY
(21 PP)
YAPNALL, P. NOV 74 RELEV 5
J45/74-173-021

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 6

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - MATERIALS

QUERY-PART NO. MM005

OCT 17 1978

DOCUMENT
NUMBER

10-U06617 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) INSPECTION OF USS HIGH POINT (PCN-1) STRUT FOIL
COATING ON 14 1975 (2 PP) JULY 75 RELEV 4
KELLY, J.J.
MEMO 75-085
REMARKS: REP TRIALS PLAN HY001-H303 (10-U07199)

10-U09822

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) MACELLE & FOIL SYSTEM BOLTS, REPLACEMENT OF (1
PP)

OCT 75 RELEV 4

75-173-M149
REMARKS: REP WTA 0818-75-013P

10-U07468 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) REPORT OF VISIT TO BOEING RENTON PLANT 10/28.
ATTENDANCE AT HYDROFOIL PROGRAM REVIEW 10/28 AND
10/29 AND VISIT TO NICHUM AND SPAULDING
ASSOCIATES 10/29 (4 PP)
BUCKLEY, W.
LTR-75-173-M162
NOV 75 RELEV 4
MEMO 75-173-C-1107

10-U07436LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) REVIEW OF CONTRACTOR FATIGUE LOADS FOR UPPER BNO
OF PNM-1/PNM-3 FORWARD STRUT (10 PP)
FUCKLEY, W.
DEC 75 RELEV 4
MEMO 75-173-177

10-U06008LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) CHARACTERIZATION OF HYDROFOIL COATINGS ON THE
BASIS OF ADHESION STRENGTH & EROSION RESISTANCE
(80 PP)
BOHLANDER, G.S.
PREISER, M.S.
APR 76 RELEV 2
NPT-76-0048
AD0011563

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL B AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - MATERIALS

QUERY-PART NO. 000005 OCT 17 1978

DOCUMENT
NUMBER

DAVID W. TAYLOR NAVAL SHIP RDG CENTE 10-C01088LM

(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I
TECHNICAL ASSESSMENT; HYDROFOIL VOL 1 & VOL 11
(U)

TN-800-118-10

JUNE 76 RELEV 1

REMARKS: REF DB/NO 10-800100

DAVID W. TAYLOR NAVAL SHIP RDG CENTER 10-U08808LM

(U) BACKGROUND INFORMATION RELATIVE TO RECOMMENDED
SERVICE LIFE PLAN FOR PHM-3 CLASS HYDROFOIL SHIPS
AND IMPLICATIONS RELATIVE TO LONG TERM STRUCTURAL
INITIATIVES

BUCKLEY, W.M.

NOV 76 RELEV 2

MEMO-76-173-M146

REMARKS: A GOOD REVIEW OF STRUCTURAL LESSONS LEARNED
AND A SUMMARY OF PHM-1 STRUCTURAL CRACKS.

WARE ISLAND NAVAL SHIPYARD 10-U02091 M

(U) HYDROFOIL COATINGS PROJECT USS HIGH POINT (PCN-1)
FOIL INSPECTIONS AND REFURBISHMENTS-SUMMARY
REPORT COVERING PERIOD 9/69-9/71

TN-134.5-71

JUNE 72 RELEV 3

REMARKS: REF TRIALS PLAN NA023-P102 (10-U07276)

WARE ISLAND NAVAL SHIPYARD 10-U01051 P

(U) COATING DEVELOPMENT FOR HYDROFOILS-PROGRESS
REPORT-MARCH 1973

LTR 134.5-54

MAR 73 RELEV 5

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
TECHNICAL - MATERIALS

QUERY-PART NO. WNN005

OCT 17 1978

DOCUMENT
NUMBER

10-U02508 M

SPAETGENS (T. W.)

(U) REVIEW AND UPDATING OF PREVIOUS INTERIM REPORTS
AND CORRECTIVE MODIFICATION FOR TORSIONAL
VIBRATION PROBLEM HYDROFOIL PLAINVIEW (AGEH-1)
SPAETGENS, T.W. MAY 73 RELEV 4
C1508-4

NO0406-72-C-0527

REMARKS: ALSO SEE NSROC TECH NOTE ON SAME SUBJECT.
DB NO 10-U02479

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MISSION
TRIALS

WEAPONS

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - WEAPONS

QUERY-PART NO. WNN006

OCT 17 1978

DOCUMENT
NUMBER

10-U06655 M

BOEING CO.
(U) REPORT ON SHIP BEHAVIOR DURING TORPEDO TRIAL NO.
72NA252 ON PLAINVIEW

LTR 2-1508-1000-575 MAR 72 RELEV 4
N00600-69-C-0618

REMARKS: REF TRIALS PLAN NNO34-A252 (10-U07234)

BOEING CO.

10-U02145 M

(U) SHIP BEHAVIOR DURING SEA SPARROW/HYDROFOIL
COMPATIBILITY TESTS ON PLAINVIEW (AGEN-1)
MAY 73 RELEV 4

LTR 2-1524-1000-949
N00600-69-C-0618

REMARKS: REF TRIALS PLAN NNO40A-A272 (10-U07239)

BOEING CO.

10-U0555 M

(U) REPORT ON SHIP BEHAVIOR DURING SEA
SPARROW/HYDROFOIL COMPATIBILITY TESTS ON
PLAINVIEW (AGEN-1)

LTR 2-1524-1000-949 MAY 73 RELEV 4
N00600-69-C-0618

BOEING CO.

10-U05121 M

(U) SHIP BEHAVIOR DURING HARPOON/HYDROFOIL
COMPATIBILITY TESTS ON HIGH POINT (PCN-1)
MAR 74 RELEV 4

LTR 2-1524-1000-1192
N00600-69-C-0618

REMARKS: REF TRIALS PLAN CNW045-P305 (10-U07247)

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - WEAPONS

QUERY-PART NO. MNNC06

OCT 17 1978

DOCUMENT
NUMBER

10-C0C700 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) SUMMARY OF HYDROFOIL PARTICIPATION IN FLEET
EXERCISES (U) (15 PP)
HABEL, C.R.
REMARKS: REF TRIALS PLAN NE206-P226 (10-U07188)
JULY 72 RELEV 3

10-U07234 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-AGEN-1 TORPEDO "COMPATIBILITY"
EVALUATION-PHASE I (19 PP)
SPURWAY, J.E.
NW034-4252
REMARKS: REF RPTS 10-U06855, 10-C0Q400 AND 10-U01221
SEPT 72 RELEV 5

10-U07242 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCN-1/AGEN-1 EVALUATION OF HEIGHT
SENSOR IN SEA SPARROW MISSILE ENVIRONMENT (6 PP)
RUSCUS, P.V.
NW044-3283
REMARKS: REF RPT 10-U07073
DEC 72 RELEV 5

10-U05561 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PCN-1 HARPOON TECHNICAL TRIALS, RELATED
CORRESPONDENCE AND MISC. DATA
73 RELEV 5
REMARKS: REF TRIALS PLAN NW051A-P302 (10-U07247)

10-U07247 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCN-1 HARPOON HEIGHT SENSOR
COMPATIBILITY EVALUATION (23 PP)
SPATCH, F.N.
RUSCUS, P.V.
NW051A-P302
REMARKS: REF REPORTS 10-U05438, 10-U05121,
10-U05561, AND 10-U05436
AUG 73 RELEV 5

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - WEAPONS

QUERY-PART NO. WNN006 OCT 17 1978

DOCUMENT
NUMBER

10-U07239 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-AGEH-1 SEA SPARROW HYDROFOIL
COMPATIBILITY EVALUATION (66 PP)

RABEL, C.R. OCT 73 RELEV 5
NW040A-A272

REMARKS: REF RPTS 10-C00543, 10-U02145, 10-U05395
AND 10-U02142

10-U07243 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCH-1 HARPOON CANISTER LAUNCHER
EVALUATION AND INTERFACE INVESTIGATION (11 PP)

RABEL, C.R. NOV 73 RELEV 5
NW045-P305

REMARKS: REF RPTS 10-U02851, 10-U05175, 10-C00733,
10-U05551, 10-U05436, 10-U05438, 10-U05549,
10-U05553, 10-U05559, 10-U05121, AND 10-U05603

10-U05436 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) HARPOON/HIGH POINT TRIALS : SUMMARY OF STRUCTURAL
SUPPORT ACTIVITIES

YARNALL, P. MAY 74 RELEV 4
LTR-74-173-M82

REMARKS: REF TRIALS PLAN NW051A-P302 (10-U07247) AND
NW045-P305 (10-U07247)

10-U05395 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) SEA SPARROW/HYDROFOIL COMPATIBILITY TRIALS
YARNALL, P. JULY 74 RELEV 4

MEMO CODE-173: PY:74-173-M

REMARKS: REF TRIALS PLAN NW040A-A27 (10-U07239)
DOCUMENTS ASPECTS OF TRIAL PERTAINING TO
HYDROFOIL STRUCTURES

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - WEAPONS

QUERY-PART NO. WNNOC6

OCT 17 1978

DOCUMENT
NUMBER

10-U07073LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) EFFECT OF MISSILE LAUNCH BLAST ON ACOUSTIC AND
RADAR HEIGHT SENSORS (17 PP)

RUSCUS, P.V.
SAXTON, F.N.
TAE-SOO-11-0-18
ADB006646
JULY 75 RELEV 4

REMARKS: REF TRIALS PLAN MW044-H283 (10-U07242)

10-C01088LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I
TECHNICAL ASSESSMENT: HYDROFOIL VOL I & VOL II
(U)

JUNE 76 RELEV 1

TN-SOO-115-18

REMARKS: REF D8/NO 10-S00168

10-C00776LM

GRUMMAN AEROSPACE CORP.
(U) AGIEHI-1 IN SUPPORT OF FUTURE HYDROFOIL SYSTEMS
DEVELOPMENT-FISCAL YEAR 1974:VOL I HISTORICAL
COMPENDIUM OF INVESTIGATIONS CONDUCTED IN FISCAL
YEAR 1974 (U)153 PP

JULY 74 RELEV 4

N00406-74-C-0632

ADC002318

REMARKS: SOME COST ESTIMATES INCLUDED

10-U07934LM

GRUMMAN AEROSPACE CORP.
(U) AGEM IN SUPPORT OF FUTURE HYDROFOIL SYSTEMS
DEVELOPMENT-COMBAT SYSTEMS (19 PP)

MAY 75 RELEV 4

EXECUTIVE SUMMARY

N00406-74-C-0632

ADB005967

REMARKS: USE OF AGEM AS A TEST BED FOR VARIOUS
WEAPON/SENSOR SYSTEMS. SEE ALSO 10-U06625LM.

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - WEAPONS

QUERY-PART NO. WNN006
OCT 17 1978
DOCUMENT
NUMBER
10-U02851 M

HENRY (J. J.) CO., INC.
(U) FOUNDATION FOR HARPOON LAUNCHER ON PCM-MOD
1-SCANTLING CALCULATIONS
JUNE 73 RELEV 4
J.O. # 1843-03
REMARKS: REF TRIALS PLAN NW045-P308 (10-U07243)

HUGHES AIRCRAFT CO.
(U) PROTOTYPE DEMONSTRATION FOR APPLICATION OF THE
PHOENIX MISSILE TO LIGHTWEIGHT SHIPS (U) (15 PP)
FEB 74 RELEV 4
RPT-74(21)-05918/D1900
10-C00763

HUGHES AIRCRAFT CO.
(U) LIGHTWEIGHT WEAPON SYSTEM DEMONSTRATION PLAN FOR
A LARGE HYDROFOIL (U) (53 PP)
MAR 76 RELEV 4
H00406-75-C-1068
REMARKS: GOOD DISCUSSION OF AAV ENGAGEMENT
GEOMETRIES.
10-C00983 M

MCOMMELL DOUGLAS ASTRONAUTICS CO.
(U) PCM-1 HARPOON CANISTER LAUNCHER WEIGHT AND CENTER
OF GRAVITY INFORMATION
OCT 73 RELEV 4
LTR 561-E431-0600
H00019-74-C-0041
REMARKS: REF TRIALS PLAN NW045-P305 (10-U07243)
10-U05549 M

MCOMMELL DOUGLAS ASTRONAUTICS CO.
(U) HARPOON CANISTER BLAST TEST VEHICLE LAUNCH TEST
REPORT-NSD PHASE VOL 1
JUNE 74 RELEV 4
HDC-E10408 VOL 1
H00019-74-C-0041
REMARKS: REF TRIALS PLAN NW051A-P302 (10-U07247) AND
NW045-P305 (10-U07243)
10-U05438 M

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - WEAPONS

QUERY-PART NO. WNN006

OCT 17 1978

DOCUMENT
NUMBER

NAVAL SHIP MISSILE SYSTEMS ENGINEERING STATION
(U) SPARROW III/HYDROFOIL COMPATIBILITY TEST PLAN
HASSIN, G. OCT 72 RELEV 5
TN-4230-85
REMARKS: REF TRIALS PLAN NW040A-A272 (10-U07239)

10-U02142 F

NAVAL SHIP MISSILE SYSTEMS ENGINEERING STATION
(U) SEA SPARROW/HYDROFOIL COMPATIBILITY TEST REPORT
GROSS, T.A. JUNE 73 RELEV 2
TR-276
REMARKS: REF TRIALS PLAN NW040A-A272 (10-U07239)

10-C00543 M

NAVAL SHIP MISSILE SYSTEMS ENGINEERING STATION
(U) D/S 609 PHASE IV HARPOON CANISTER LAUNCHER/PCH-1-
TEST PROJECT
MORRIS, D.W. JUNE 73 RELEV 5
TP-2
REMARKS: SEE DB/NO 10-U05553

10-U0578LF

NAVAL SHIP MISSILE SYSTEMS ENGINEERING STATION
(U) D/S 609 PHASE IV HARPOON/PCH-1 LAUNCH COUNTDOWN
NAVY PROCEDURE
NP-09-1
REMARKS: REF TRIALS PLAN NW045-P305 (10-U07243)

10-U05603LF

NAVAL SHIP MISSILE SYSTEMS ENGINEERING STATION
(U) D/S 609 PHASE IV-HARPOON/PCH-1 PERFORMANCE TEST
PROCEDURE
NP-09-2
REMARKS: REF TRIALS PLAN NW045-P305 (10-U07243)

10-U05551 M

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - WEAPONS

QUERY-PART NO. WNW006

OCT 17 1978

DOCUMENT
NUMBER

NAVAL SHIP MISSILE SYSTEMS ENGINEERING STATION 10-U05553 M
(U) D/S 609 PHASE IV-HARPOON CANISTER LAUNCHER/PCN-1,
TEST
NUMER, J.M. OCT 73 RELEV 4
TP-2, APPENDIX B
REMARKS: REF TRIALS PLAN NW045-P305 (10-U07243).
ALSO SEE DB/NO 10-U05578

NAVAL SHIP MISSILE SYSTEMS ENGINEERING STATION 10-C00733LF
(U) D/S 609 PHASE IV-TECH EVAL RPT-CANISTER HARPOON
WEAPON SYSTEM (APPROX 100 PP)
BRAND, A. JUNE 74 RELEV 4
RPT TR-299
REMARKS: REF TRIALS PLAN NW045-P305 (10-U07243)
DTNSROC LIBRARY #C30 570

NAVAL TORPEDO STATION, KEYPORT, WASHINGTON 10-U01221 F
(U) PRELIMINARY SUMMARY OF PLAINVIEW (AGEM-1)
RADIATED NOISE AND TORPEDO LAUNCHING TRIALS OF 23
FEBRUARY 1972
PETERSON, T.E. MAY 72 RELEV 5
RPT-1158
REMARKS: REF TRIALS PLAN NW034-A252 (10-U07234)

NAVAL TORPEDO STATION, KEYPORT, WASHINGTON 10-C00400 M
(U) PLAINVIEW (AGEM-1)TORPEDO LAUNCHING TRIALS OF 23
FEBRUARY 1972 (U)(35 PP)
ATTRI, S.P. SEPT 72 RELEV 4
RPT-1160
NR-2-0129
REMARKS: REF TRIALS PLAN NW034-A252 (10-U07234)

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - WEAPONS

QUERY-PART NO. WNN006

OCT 17 1978

DOCUMENT
NUMBER

10-C00718

NAVAL WEAPONS LABORATORY, DAHLGREN, VIRGINIA
(U) TRIALS PLAN-SMALL CRAFT FIRE CONTROL SYSTEM
EVALUATION (HY095-P314) (123 PP)
TOMAR, J.B.
WARSHAW, E.C.

JUNE 74 RELEV 4

REMARKS: INCLUDING INSTALLATION ON PCH-1

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CIC, NAV, SENSORS

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. WNH007

OCT 17 1978

DOCUMENT
NUMBER

10-U06952 F

BOEING CO.

(U) TRIALS PLAN-PCN-1 REVISE DATA SYSTEM
DOCUMENTATION (10 PP)

JAN 72 RELEV 7

BE185-P261

REMARKS: NO REPORT REQUIRED

10-U06956 F

BOEING CO.

(U) TRIALS PLAN-PCN-1 RADAR/NAVIGATION SYSTEM
OVERHAUL AND DIGITAL NAVIGATION COMPUTER
INSTALLATION (16 PP)

FEB 72 RELEV 5

BE187-P259

REMARKS: EQUIPMENT INSTALLATION AND OVERHAUL

10-U06958 F

BOEING CO.

(U) TRIALS PLAN-PCN-1 REPLACEMENT OF SPEED INDICATOR
TRANSMITTER (12 PP)

MAR 72 RELEV 7

BE191-P283

REMARKS: EQUIPMENT INSTALLED. NO REPORT REQUIRED.

10-U06965 F

BOEING CO.

(U) TRIALS PLAN-PCN-1 ADDITIONAL TASKS FOR THE
DIGITAL NAVIGATION COMPUTER (17 PP)

AUG 72 RELEV 5

BE203-P271

REMARKS: EQUIPMENT SOFTWARE CHANGES

10-U06969 F

BOEING CO.

(U) TRIALS PLAN-PCN-1 DIGITAL NAVIGATION SYSTEM
EVALUATION (44 PP)

OCT 73 RELEV 5

BE192A-P307

REMARKS: REF REPORT 10-U09966

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. WNN007

OCT 17 1978

DOCUMENT
NUMBER

10-U06977 F

BOEING CO.
(U) PCM-1 SONOBUOY MASKING STUDY-PROPOSED TRIALS
PLANS (10 PP)

APR 74 RELEV 7

MYSTU PLAN BE220-PC
REMARKS: PCM-1 UNDERWATER RADIATED NOISE SIGNATURE
ANALYSIS CONTAINED IN THIS DOCUMENT IS CLASSIFIED
UNDER DB/ 10-U06978

10-U09966

BOEING CO.
(U) PCM-1 MOD-1 DIGITAL NAVIGATION SYSTEM EVALUATION
REPORT (14 PP)

SEPT 74 RELEV 4

2-1524-1000-1319
N00600-69-C-0618
REMARKS: REF TRIALS PLAN BE192A-P307 (10-U06959)
ALSO BE199-P259, BE191-P263 AND BE203-P271

10-C01113LM

BOEING CO.
(U) HYDROFOIL RADIATED NOISE (U) (37 PP)
ALLEN, W.

OCT 76 RELEV 3

0324-14004-1
REMARKS: INCLUDES REVIEW OF ALMOST ALL U. S.
HYDROFOIL ACOUSTIC RADIATED NOISE INFO.

10-C00019L

BUNKER-RAMO CORP.
(U) ACTIVE/PASSIVE RELIABLE ACOUSTIC PATH SONAR
(APRAPS) ANALYSIS AND PREDICTION MODEL AND FINAL
TECHNICAL REPORT (U) (198 PP)

JUNE 77 RELEV 4

DOS NO S0039-7C9
N00024-76-C-6220

REMARKS: GOOD SUMMARY OF APRAPS DEVELOPMENT PROGRESS
TO DATE.

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - C.I.C. NAVIGATION, AND SENSORS

QUERY-PART NO. WNN007

OCT 17 1978

DOCUMENT
NUMBER

10-C00760

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PCN-1 EXERCISE ADMIXTURE TRIALS (U) (76 PP)
(COMPREHENSIVE REPORT OF 4-DAY OPERATION)
ROBERTS, J.M. MAR 72 RELEV 4
LIR-SEN-01-72
REMARKS: REF TRIALS PLAN NE028-P230 (10-U08728) AND
REPORT 10-500115

10-U07148 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-AGEH-1 DE-735 FATHOMETER AND 3D
PINGER INSTALLATION (5 PP)

HY078-A262
REMARKS: EQUIPMENT INSTALLED-NO REPORT REQUIRED

10-C01041 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) ACOUSTIC DATA REQUIREMENTS IN SUPPORT OF
OPERATIONS ANALYSIS OF HYDROFOIL TONED ARRAY
SONAR SYSTEMS (U) (3 PP)
PULOS, J.G. APR 72 RELEV 5
MEMO 111:JGP 72-111-27 17
REMARKS: THIS DOCUMENT SHOULD BE LOOKED AT WHEN
REVIEWING PLAIN" EW NOISE TRIAL OR ANY OTHER
ACOUSTIC SIGNATURE WORK.

10-U07150 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCN-1 DESIGN AND INSTALLATION OF
CLOSED CIRCUIT TV MONITOR SYSTEM (10 PP)
AUG 72 RELEV 5

HY080-P268
REMARKS: EQUIPMENT INSTALLED-NO REPORT REQUIRED

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. WNN007

OCT 17 1978

DOCUMENT
NUMBER

10-U07157 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCH-1/AGEN-1 ELECTRO-MAGNETIC LOG
CALIBRATION WITH DOPPLER RADAR (SPP)
OCT 72 RELEV 5

HY088-M280

REMARKS: REF RPT 10-U05124

10-U07251 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCH-1 SMA 3RM20 RADAR EVALUATION IN
SUPPORT OF PHM PROGRAM (11 PP)
RABEL, C.R. DEC 73 RELEV 5
N8056-P30R
REMARKS: REF RPT 10-U06275

10-U05124 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) USE OF DOPPLER RADAR TO CALIBRATE A SHIP SPEED
LOG
MASON, J.W. APR 74 RELEV 4
MEMO
REMARKS: REF TRIALS PLAN HY088-M280 (10-U07157)

10-U07248 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCH-1 LOWLIGHT LEVEL TELEVISION
TRIALS (9 PP)
BOROUGH, C.K. APR 74 RELEV 5
N8052-P312
REMARKS: NO REPORT RELEASED

10-U07163 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) SMALL CRAFT FIRE CONTROL SYSTEM
EVALUATION: APPROVAL OF (1 PP)
MAY 74 RELEV 7
HYSTU PLAN HY085-P314

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 5

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. WNN007

OCT 17 1978

DOCUMENT
NUMBER

10-U06275LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) EVALUATION OF THE SMA-3RM20 RADAR ON THE
HYDROFOIL HIGH POINT (PCH-1)(53 PP)
RABEL. C.R. MAR 75 RELEV 4
TN-500-115-06
ADB00357

REMARKS: REF TRIALS PLAN NW056-P308 (10-U07281)

10-U09848

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) SHIPS DECK LOG PROCEDURES FOR R&D HYDROFOILS (14
PP)
LTR-1154-49-75 MAY 75 RELEV 4
REMARKS: REF-TRIALS PLAN-HY094-P315 (10-U07162)

10-U09832

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCH-1ROCKWELL INTERNATIONAL
ANTI-CLUTTER RADAR SYSTEM (ACR) EVALUATION (51
PP)
MAR 76 RELEV 5
HPY098-P335
REMARKS: REPORT DUE

10-C01088LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I
TECHNICAL ASSESSMENT: HYDROFOIL VOL I & VOL II
(U)
JUNE 76 RELEV 1
TN-500-115-18
REMARKS: REF DB/NO 10-500168

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. WNN007

OCT 17 1978

DOCUMENT
NUMBER

10-U09833

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCH-1 HIGH SPEED VELOCITY LOG
INTERMEDIATE SPEED FEASIBILITY DEMONSTRATION (30
PP)

JUNE 76 RELEV 1

HY077-P336

REMARKS: REPORT DUE

10-U09850

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN PCH-1 TACTICAL & NAVIGATION COLLISION
AVOIDANCE VIDEO SYSTEM(TANCAV) (29 PP)
OCT 76 RELEV 5

HY097-P333

REMARKS: REF-RPTS-10-U07479

10-U09838

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCH-1 MS1001 VDS TRIALS (MYTOM
PROJECT PLAN) (86 PP)

MAR 77 RELEV 5

HY103-P344

REMARKS: REPORT DUE(BOEING TO REPORT SHIPS
PERFORMANCE AGAINST WTA 1107-78-010P)

10-U03867 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) HIGHPOINT FOILBORNE TRANSMISSION UNDERWAY
CHECKOUT TRIALS LOG PACKAGE FOR VOYAGE NO. 083.
085. 086. & 088 (22 PP)
WHITEHEAD, V.N.
LTR SER 90-77

APR 77 RELEV 5

10-U09835

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN HYDROFOIL EXPERIMENTAL DETERMINATION
OF ARRAY SURVIVAL LOADS (8 PP)

MAY 77 RELEV 5

HY074-H343

REMARKS: NO REPORT RELEASED

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. WNN007

OCT 17 1978

DOCUMENT
NUMBER

10-U07748LM

FATHOM OCEANOLOGY, LTD.
(U) SPECIFICATION AND PROPOSAL FOR VARIABLE DEPTH
TOWING WINCH SYSTEM

JUNE 73 RELEV 4

PROPOSAL 6.336

REMARKS: PART OF CANADIAN VDS EFFORT

10-S00109L

GENERAL ELECTRIC CO.
(U) COMPATIBILITY EVALUATION AND DEMONSTRATION
BETWEEN ASW TOWED ARRAY SONAR AND HIGH SPEED
CRAFT (U)(26 PP)

SEPT 73 RELEV 4

10-U07756LM

GENERAL ELECTRIC CO.
(U) FOIL MOUNTED SENSOR (10 PP) NOV 75 RELEV 4
MAAS, H.R.
FILE NO. 314-097

REMARKS: PROPOSAL TO CONSTRUCT, INSTALL, TEST AND
EVALUATE A FOIL MOUNTED SENSOR

10-U07834LM

GRUMMAN AEROSPACE CORP.
(U) AGEM IN SUPPORT OF FUTURE HYDROFOIL SYSTEMS
DEVELOPMENT-COMBAT SYSTEMS (19 PP) MAY 75 RELEV 4

EXECUTIVE SUMMARY

NO0406-74-C-0632

AD8005937

REMARKS: USE OF AGEM AS A TEST BED FOR VARIOUS
WEAPON/SENSOR SYSTEMS. SEE ALSO 10-U06625LM.

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 8

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. WNR007

OCT 17 1978

DOCUMENT
NUMBER

10-U07755LM

GRUMMAN AEROSPACE CORP.

(U) USE OF PLAINVIEW (AGEN) TO EVALUATE ACTIVE
PASSIVE RELIABLE ACOUSTIC PATH SONAR (APRAPS)
3- (42 PP)

WAR 2, V70-1 FEB 76 RELEV 5

NO0600-1, C-0248

REMARKS: SEE COMMENTS ATTACHED TO BACK COVER

HUGHES AIRCRAFT CO.

10-C00983 M

(U) LIGHTWEIGHT WEAPON SYSTEM DEMONSTRATION PLAN FOR
A LARGE HYDROFOIL (U) (53 PP)

MAR 75 RELEV 4

NO0406-75-C-1068

REMARKS: GOOD DISCUSSION OF AAM ENGAGEMENT
GEOMETRIES.

MARINE TECHNOLOGY

10-U05127 M

(U) COMPUTER SUPPORT IN THE DESIGN AND TESTING OF
UNDERSEA TOWED SYSTEMS
BURROUGHS, J.D.

BENZ, P.C. APR 74 RELEV 3

VOL 11, NO. 2, PP 159- 172

NAVAL ELECTRONICS LABORATORY CENTER

10-U07191 F

(U) TRIALS PLAN-PCH-1 DD/DE PENALO TRIALS (54 PP)
BERESFORD, D.K.

RAMEY, D.R.

JULY 73 RELEV 5

NE029-P300

REMARKS: REF RPT 10-500133

NAVAL ELECTRONICS LABORATORY CENTER

10-U07194 F

(U) TRIALS PLAN-PCH-1 FLIR INSTALLATION (4 PP)
FERRER, J.

NE034-P318

JUNE 74 RELEV 5

REMARKS: EQUIPMENT INSTALLED-NO REPORT REQUIRED

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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MYNORFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. WNW007

OCT 17 1978

DOCUMENT
NUMBER

10-U07195 F

NAVAL ELECTRONICS LABORATORY CENTER
(U) TRIALS PLAN-PCM-1 IN EW TRIALS-INSTALLATION PLAN
(7 PP)

BERESFORD, D.K. JULY 74 RELEV 5

NE036-P319

REMARKS: EQUIPMENT INSTALLED-NO REPORT REQUIRED

10-U07192 F

NAVAL ELECTRONICS LABORATORY CENTER
(U) TRIALS PLAN-PCM-1 EA-28/EC-121 ASND TRIALS (1 PP)
OCT 74 RELEV 7

NE030A-P299C

REMARKS: CANCELLED

10-U07193 F

NAVAL ELECTRONICS LABORATORY CENTER
(U) TRIALS PLAN-PCM-1 RBOC TRIALS (1 PP) (COVER
LETTER ONLY)

OCT 74 RELEV 7

NE031-P320

REMARKS: CANCELLED

10-300133

NAVAL ELECTRONICS LABORATORY CENTER
(U) EW PENETRATION AIDS IN SURFACE WARFARE (CONDUCTED
ON PCM-1) (U) (105 PP)

NOV 74 RELEV 4

RAMEY, D.R.

REMARKS: REF TRIALS PLAN NE029-P300 (10-U07191)

74-2956

PCNAID TRIALS REPORT (TENTATIVE)

10-C00794

NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA
(U) VERSATILE ELECTRO-OPTICAL SYSTEM EVALUATION
SUMMARY-FINAL REPORT (U) (6 PP)

JAN 76 RELEV 4

OF-32 SER-C760061

REMARKS: REF TRIALS PLAN WY095-P314 (10-U07163)

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND U TRIALS DOCUMENTATION SUMMARY
MISSION - CIG. NAVIGATION, AND SENSORS

QUERY-PART NO. WNH007

OCT 17 1978

DOCUMENT
NUMBER

10-C01051LM

NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA
(U) RESULTS OF THE VERSATILE ELECTRO-OPTICAL SYSTEM
(LST-1188) (U) SHIPBOARD DEMONSTRATION ABOARD THE USS SAGINAW

TOMAR, J.M. MAY 76 RELEV 3

NSWC/DL TR-3491
ADC006147

REMARKS: DESCRIBES AT-SEA-DEMONSTRATION OF (VEOS)
FOR AMPHIBIOUS AND FIRE CONTROL MISSIONS. SEE
HYDROFOIL TRIALS PLAN MY095-P314 (10-U07163)

10-C00279LM

NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA
(U) VERSATILE ELECTRO-OPTICAL SYSTEM (VEOS)
EVALUATION PCM-1 FINAL REPORT (AN ADVANCED PROTO-
TYPING PROGRAM OF COMBAT SYSTEMS DEVELOPMENT SEA-
0321(U) (317 PP)

TOMAR, JOHN W. NOV 76 RELEV 4

NSWC/DL TR-3545
ADC006503

REMARKS: REF TRIALS PLAN MY095-P314 (10-U07163)

10-C00275

NAVAL UNDERSEA CENTER
(U) TOMCRAFT SELECTION FOR THE "HIGH-SPEED TOWED

SOMAR INVESTIGATION" (U) (55 PP)

POYNTER, R.J. JULY 72 RELEV 4

356/M0108-72 OF JUL 72

10-U02314LM

NAVAL UNDERSEA CENTER
(U) HYDROFOIL HIGH-SPEED TOWED SYSTEM: TRIAL
EVALUATION-PART 1 SUMMARY AND DATA

CALKINS, D.E. AUG 72 RELEV 2

NUC TP 241: PART I
AD070756SL

REMARKS: FOR ALL 3 PARTS SEE DB NOS 10-U02314 THRU
10-U02318L. NSROC LIBRARY NO U006367

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. UN0007

OCT 17 1978

DOCUMENT
NUMBER

10-U02318LM

NAVAL UNDERSEA CENTER

(U) HYDROFOIL HIGH-SPEED TOWED SYSTEM: TRIAL
EVALUATION PART II: SYSTEM DESCRIPTION AND
OPERATIONAL CRITIQUE
CALKINS, D.E.
FORD, L.A.

AUG 72 RELEV 2

NUC TP 241: PART II

AD907566L

REMARKS: FOR ALL 5 PARTS SEE DB NOS. 10-U02314 THRU
10-U02318L. NSR DC LIBRARY U006367

10-U02318LM

NAVAL UNDERSEA CENTER

(U) HYDROFOIL HIGH-SPEED TOWED SYSTEM: TRIAL
EVALUATION PART III: TOWLINE HYDRODYNAMIC
PERFORMANCE
CALKINS, D.E.

AUG 72 RELEV 2

NUC TP 241: PART III

AD907567L

REMARKS: FOR ALL 5 PARTS SEE DB NO. 10-U02314 THRU
10-U02318L. NSRDC LIBRARY NO. U006367

10-U02317LM

NAVAL UNDERSEA CENTER

(U) HYDROFOIL HIGH-SPEED TOWED SYSTEM: TRIAL
EVALUATION PART IV: DEPRESSOR HYDRODYNAMIC
PERFORMANCE
CALKINS, D.E.

AUG 72 RELEV 2

NUC TP 241: PART IV

AD907568L

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10-U02318L. NSRDC LIBRARY NO. U006367

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. W00007

OCT 17 1978

DOCUMENT
NUMBER

10-U02318LM

NAVAL UNDERSEA CENTER

(U) HYDROFOIL HIGH-SPEED TOWED SYSTEM: TRIAL

EVALUATION PART V: TOWED SYSTEM

COMPUTER-SIMULATION CORRELATION

CALRENS, D.E.

TUNSTALL, E.B.

BENZ, R.C.

NJC TP 241: PART V

AD007569L

AUG 72 RELEV 2

REMARKS: RPT ESTABLISHES VALIDITY OF DIGITAL AND
ANALOG TOWED-SYSTEM SIMULATIONS. SEE DB NOS
10-102314 THRU 10-102318L

NAVAL UNDERWATER SYSTEMS CENTER

(U) PCN-1 TOWED ARRAY SONAR SYSTEM HIGH SPEED TEST

RESULTS (U)(44 PP)

O'NEILL, R.

RPT 3414F-C24-75

JAN 75 RELEV 3

10-C00797

NAVAL WEAPONS LABORATORY, DAMUGREN, VIRGINIA

(U) TRIALS PLAN-SMALL CRAFT FIRE CONTROL SYSTEM

EVALUATION (NY095-P314) (123 PP)

TOKAR, J.B.

WARSHAW, E.C.

REMARKS: INCLUDING INSTALLATION ON PCN-1

JUNE 74 RELEV 4

10-C00710

U. S. NAVY HYDROFOIL HIGH POINT (PCN-1)

(U) PRESIDENTIAL COST REDUCTION CAMPAIGN (30 PP)

ELMORE, R.

PLUMB, R.

LTR 5670 SER 63-75

REMARKS: REF RPT 10-U09850

OCT 75 RELEV 4

10-U07479 M

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SIGNATURES

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - SIGNATURES

QUERY-PART NO. WNN008

OCT 17 1970

DOCUMENT
NUMBER

10-U06976 F

BOEING CO.

(U) PCN-1 UNDERWATER RADIATED NOISE SIGNATURE

ANALYSIS: COMMENTS ON (10 PP)

APR 74 RELEV 7

HYSTU PLAN BE210-PC

10-C01113LM

BOEING CO.

(U) HYDROFOIL RADIATED NOISE (U) (37 PP)

ALLEN, W. OCT 76 RELEV 3

D324-14004-1

REMARKS: INCLUDES REVIEW OF ALMOST ALL U. S.

HYDROFOIL ACOUSTIC RADIATED NOISE INFO.

10-C00974 M

BOLT BERANEK AND NEWMAN, INC.

(U) MODEL AND SILENCING PROGRAM FOR UNDERWATER

RADIATED NOISE FROM HYDROFOIL CRAFT (U) (107 PP)

SMULLIN, J.

GOGOS, C.

RPT-2496

NO0600-73-C-0890

REMARKS: DRAFT

JAN 73 RELEV 4

10-C00364 M

BOLT BERANEK AND NEWMAN, INC.

(U) UNDERWATER RADIATED NOISE SIGNATURE OF HYDROFOIL

PLAINVIEW (AGEN-1) (U) TRIALS PLAN WNO39A-A287

(10-U07230)

GOGOS, C.M.

RPT 2504

NO0600-73-C-0466

AD596365

REMARKS: EXTENSIVE INVESTIGATION OF TECHNIQUES TO

MEASURE HIGH SPEED CRAFT SIGNATURE. 3-D BEAM

PATTERNS OF AGEN FOILBORNE AT 2 SPEEDS.

MAR 73 RELEV 1

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SWAMP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - SIGNATURES

QUERY-PART NO. WNW008

OCT 17 1978

DOCUMENT
NUMBER

10-C00973 M

BOLT BERANEK AND NEWMAN, INC.

(U) PRELIMINARY SUMMARY OF HULLBORNE RADIATED NOISE
DATA FOR HIGH POINT PCM-1 RUNS 4, 6, 23, AND 25
(U) (11 PP)

SEPT 74 RELEV 4

MILES. P.

LTR DATED 15 AUG 1974

NO0600-73-C-0466

REMARKS: REF TRIALS PLAN NW058-P309 (10-U07289) THIS
1 OF 3 PRELIMINARY TURBINE AND DIESEL POWER
LETTER REPORTS PRIOR TO FINAL

10-C00971 M

BOLT BERANEK AND NEWMAN, INC.

(U) SUMMARY OF RADIATED NOISE DATA FOR HIGH POINT
PRIORITY #1 RUNS (2, 13, 17, 21) (U) (21 PP)
MILES. P.

SEPT 74 RELEV 4

LETTER DATED 17 OCT 74

NO0600-73-C-0466

REMARKS: REF TRIALS PLAN NW058-P309 (10-U07252)
TURBINE AND DIESEL POWER

10-C00972 M

BOLT BERANEK AND NEWMAN, INC.

(U) SUMMARY OF NARROW BAND RADIATED NOISE DATA FOR
HIGH POINT RUNS 4, 6, 23, AND 25 (U) (10 PP)
MILES. P.R.

OCT 74 RELEV 4

LTR DATED 18 OCT 1974

NO0600-73-C-0466

REMARKS: REF TRIALS PLAN NW058-P309 (10-U07252)
PRELIMINARY LTR-SEE FINAL RPT

10-C00708

BOLT BERANEK AND NEWMAN, INC.

(U) HYDROFOIL HIGH POINT (PCM-1) RADIATED NOISE
SIGNATURE AND TACTICAL CONSIDERATIONS (U) (65 PP)

DEC 74 RELEV 2

MILES. P.R.

COGOS. C.M.

TM-221

NO0600-73-C-0466

REMARKS: REF TRIALS PLAN NW058-P313 (10-U07253)

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSIO. - SIGNATURES

QUERY-PART NO. W00008

OCT 17 1978

DOCUMENT
NUMBER

10-U07235 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-AGEN-1 MAGNETIC SIGNATURES (42 PP)
OESAVAGE, B.F. FEB 72 RELEV 5
NW035A-A295

REMARKS: REF RPT 10-C00710

10-C01041 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) ACOUSTIC DATA REQUIREMENTS IN SUPPORT OF
OPERATIONS ANALYSIS OF HYDROFOIL TOWED ARRAY
SONAR SYSTEMS (U) (3 PP) APR 72 RELEV 5
PLLOS, J.G.
MEMO 111JOP 72-111-27 17
REMARKS: THIS DOCUMENT SHOULD BE LOOKED AT WHEN
REVIEWING PLAINVIEW NOISE TRIAL OR ANY OTHER
ACOUSTIC SIGNATURE WORK.

10-U07236 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-AGEN-1 PRESSURE MEASUREMENTS (23 PP)
WILBAMS, E.A. APR 72 RELEV 5
NW030A-A200
REMARKS: REF RPTS 10-S00137, 10-S00123, 10-C00978
AND 10-U05531

10-U07238 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-AGEN-1 INVESTIGATION OF TECHNIQUES TO
MEASURE RADIATED UNDERWATER NOISE OF HYDROFOILS
HALPER, D.P. JUNE 72 RELEV 5
NW030A-A267
REMARKS: REF RPT 10-C00364

10-U07286 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCN-1 MACHINERY AND AIRBORNE NOISE
CHARACTERISTICS (13 PP) AUG 73 RELEV 5
SCHAB, M.W.
NA034A-P301
REMARKS: REF REPORT 10-U05493

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - SIGNATURES

QUERY-PART NO. WNN008 OCT 17 1978

DOCUMENT
NUMBER

DAVID W. TAYLOR NAVAL SHIP RAD CENTER
(U) TRIALS PLAN-PCM-1 MULTIPLE INFLUENCE MEASUREMENTS 10-U07252 M
(13 PP)
HALPER, D.P. JAN 74 RELEV 5
N0058-P309
REMARKS: REF RPTS 10-U07252, 10-C00973, 10-C00971
AND 10-C00972

DAVID W. TAYLOR NAVAL SHIP RAD CENTER 10-U07253 F
(U) TRIALS PLAN-PCM-1 UNDERWATER RADIATED NOISE
MEASUREMENTS (13 PP) APR 74 RELEV 5
HALPER, D.P.
N0059-P313
REMARKS: REF RPT 10-C00706

DAVID W. TAYLOR NAVAL SHIP RAD CENTER 10-C01088LM
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I
TECHNICAL ASSESSMENT; HYDROFOIL VOL I & VOL II
(U)
JUNE 76 RELEV 1
TN-S00-115-18
REMARKS: REF DB/NO 10-S00168

DAVID W. TAYLOR NAVAL SHIP RAD CENTER 10-S00168L
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART II
TECHNICAL ASSESSMENT HYDROFOIL SHIP SIGNATURE
EVALUATION
AUG 76 RELEV 1
TN-S00-115-19
REMARKS: SECRET SUPPLEMENT REF DB/NO. 10-C01088L.

GENERAL ELECTRIC CO. 10-S00109L
(U) COMPATIBILITY EVALUATION AND DEMONSTRATION
BETWEEN ASW TOWED ARRAY SONAR AND HIGH SPEED
CRAFT (U)(26 PP)
SEPT 73 RELEV 4

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - SIGNATURES

QUERY-PART NO. WNW006 OCT 17 1978
DOCUMENT
NUMBER

JOHNS HOPKINS APPLIED PHYSICS LABORATORY 10-C00653

(U) ACUSTICAL MEASUREMENTS OF SURFACE EFFECT SHIPS
(SES 100A AND SES 100B)(U)(125 PP)

MILL, P.N.

DINAM, J.J.

SWALL, T.R.

RPT-08-73-165

NOG017-72-C-4401

ADC000455

REMARKS: COMPARATIVE WATERBORNE NOISE DATA FROM PGT-

1. PGT-2. AGEM-1. PCN-1. DENISON. SRN-4. SES

100A. AND SES 100B RN-4.

NAVAL COASTAL SYSTEMS LABORATORY 10-C00978 M

(U) REPORT OF TRAVEL AND PRELIMINARY RESULTS OF

PRESSURE RANGING OF GEN-1 (U) (16 PP)

WILBANKS, E.A.

MAY 72

REMARKS: REF TRIALS PLAN NHO36A-A260 (10-U07236)

INFORMAL MEMO-SEE FINAL REPORT

NAVAL COASTAL SYSTEMS LABORATORY 10-500123

(U) PRESSURE SIGNATURE MEASUREMENTS OF THE HYDROFOIL

USS PLAINVIEW (AGEM-1)(U)(137 PP)

WILBANKS, E.A.

VAN BIBBER, V.M.

MCGRAW, C.F.

NCSL-190-73

AD527417

REMARKS: REF TRIALS PLAN NHO36A-A260 (10-U07236)

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION - SIGNATURES

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NUMBER

10-S00111

NAVAL COASTAL SYSTEMS LABORATORY
(U) INFLUENCE FIELDS OF THE HIGHPOINT POH-1 (U) 58

PP)
VAN BIBBER, V.M.
WILBANKS, E.A.
NCSL 230-75

JAN 78 RELEV 2

REMARKS: NSROC LIBRARY #S 13854

10-S00137L

NAVAL ELECTRONICS LABORATORY CENTER
(U) HYDROFOIL SHIP SIGNATURE EVALUATION STUDY (U)

(1102 PP)
EPSTEIN, R.R.
NELC LTR SER 0232-519
REMARKS: REF TRIALS PLAN WNO36A-A260 (10-U07236).
EXCELLENT REVIEW OF EXISTING HYDROFOIL SIGNATURE
INFO.

FEB 76 RELEV 3

10-C00710

NAVAL ORDNANCE LABORATORY, WHITE OAK, MARYLAND
(U) MAGNETIC SIGNATURE ANALYSIS OF THE HYDROFOIL

AGEH-1 (U) (29 PP)
DESAYAGE, B.F.
BROWN, R.E.
MOLTR-72-52

FEB 72 RELEV 4

REMARKS: REF TRIALS PLAN WNO35A-A255 (10-U07235)

10-U01221 F

NAVAL TORPEDO STATION, KEYPORT, WASHINGTON
(U) PRELIMINARY SUMMARY OF PLAINVIEW (AGEH-1)

RADIATED NOISE AND TORPEDO LAUNCHING TRIALS OF 23
FEBRUARY 1972
PETERSON, T.E.
APT-1158

MAY 72 RELEV 5

REMARKS: REF TRIALS PLAN WNO34-A252 (10-U07234)

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10-C00400 M

NAVAL TORPEDO STATION, KEYPORT, WASHINGTON
(U) PLAINVIEW (AGEN-1)TORPEDO LAUNCHING TRIALS OF 23
FEBRUARY 1972 (U)(35 PP)

ATTRI. S.P. SEPT 72 RELEV 4

RPT-1180

NR-2-0129

REMARKS: REF TRIALS PLAN NW034-A252 (10-U07234)

10-U05531 M

NAVAL TORPEDO STATION, KEYPORT, WASHINGTON
(U) PLAINVIEW (AGEN-1)PRESSURE SENSOR TRIALS OF 25
AND 28 APRIL 1972

ATTRI. S.P. SEPT 72 RELEV 4

RP-TN-72-11

REMARKS: REF TRIALS PLAN NW036A-A260 (10-U07236)

14A1118:0870:2200:1100

10-C00797

NAVAL UNDERWATER SYSTEMS CENTER
(U) PCM-1 TONED ARRAY SONAR SYSTEM HIGH SPEED TEST
RESULTS (U)(44 PP)

O'NEILL, R.

RPT SA14F-C24-75

JAN 75 RELEV 3

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PERFORMANCE
TRIALS

CHARACTERISTIC

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
PERFORMANCE - CHARACTERISTICS

QUC HY-PART NO. UNW009

OCT 17 1978

DOCUMENT
NUMBER

10-U02836 M

BOEING CO.
(U) DETERMINATION OF PCM-1 HULLBORNE SEAKEEPING
CHARACTERISTICS

RIEG. D.F. FEB 72 RELEV 2

TR-P-18

N00600-89-C-0818

REMARKS: EVALUATES EFFECTS OF ACTIVE CONTROL SYSTEM
AND FOIL POSITION ON HULLBORNE MOTIONS

BOEING CO.

10-U06655 M

(U) REPORT ON SHIP BEHAVIOR DURING TORPEDO TRIAL NO.
72HA252 ON PLAINVIEW

MAR 72 RELEV 4

LTP 2-1506-1000-575

N00600-69-C-0618

REMARKS: REF TRIALS PLAN NMO34-A252 (10-U07234)

BOEING CO.

10-U06929 F

(U) TRIALS PLAN-AGEN-1 HULLBORNE CHARACTERISTICS (2)
(P)

MAR 72 RELEV 5

BE:59-A311

REMARKS: REF RPT 10-U09851

BOEING CO.

10-C00256 F

(U) VOYAGE SUMMARY OF HIGH POINT PCM-1 TECHNICAL
TRIAL DEPLOYMENT JAN 5. TO MAR 15, 1971

SALISBURY, V.

D2-133634-1

JULY 72 RELEV 5

REMARKS: REF TRIAL PLAN NE026-P226 (10-U07188)

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. WNN009

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DOCUMENT
NUMBER

10-U02281 M

BOEING CO.

(U) SPEED AND POWERING TESTS WITH NEW TORQUE AND
THRUST METERS (PCH-MOD 0) AUG 72 RELEV 2
REIG. D.
LTR 2-1906-1000-685
M00600-89-C-0618

REMARKS: GOOD SUMMARY OF PCH-MOD 0 SMOOTH WATER
SPEED AND POWERING TESTS WITH VARIOUS PROPELLERS

10-U06922 F

BOEING CO.

(U) TRIALS PLAN-AGEN-1 PRE-ROUGH WATER READINESS
TRIAL (111 PP)

AUG 72 RELEV 5

RE1528-A273

REMARKS: REF RPTS 10-U05036 AND 10-U05037

10-U06961 F

BOEING CO.

(U) TRIALS PLAN-AGEN-1 PHASE I-ROUGH WATER TRIALS (84
PP)

NOV 72 RELEV 5

BE199A-A279

REMARKS: REF RPTS 10-C00541, 10-U05711, 10-U04886
AND 10-U04887

10-U06967 F

BOEING CO.

(U) TRIALS PLAN-AGEN-1 SIX DEGREE OF FREEDOM DIGITAL
SIMULATION OF THE FOILBORNE (6 PP)

JAN 73 RELEV 5

BE206-A285

REMARKS: REF RPTS 10-U05491

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. WNN009

OCT 17 1978

DOCUMENT
NUMBER

10-U02931 M

BOEING CO.
(U) TRIALS REPORT ON DYNAMIC CHARACTERIZATION

READINESS (AGEN-1)

BENZ, R.G.

FARRIS, W.C.

TN-A-12

NO0600-69-C-0818

REMARKS: REF TRIALS PLAN BE181-A256 (10-U06949)

FEB 73 RELEV 4

10-U05476LM

BOEING CO.
(U) ANALYSIS OF THE RIDE QUALITY OF HYDROFOIL SHIP

PC-1 HIGH POINT, AND CORRELATION OF MEASURED

RIDE PARAMETERS WITH ANALYTICAL PREDICTIONS

WARANG, A.O.

STARKE, D.R.

LTR 2-1568-3000-075

NO0674-73-C-0257

REMARKS: MAKES COMPARISON OF VERTICAL AND LATERAL

ACCELERATIONS FOR FCH-M00-0, FCH-M00-1, PHM, PCH-

2 AND JETFOIL

FEB 73 RELEV 2

10-U06823 F

BOEING CO.
(U) TRIALS PLAN-AGEN-1 FOILBORNE EMERGENCY

PROCEDURES(18 PP)

FEB 73 RELEV 5

BE133A-A286

REMARKS: REF. RPTS.-10-U02156(TN-A-9)

10-U06949 F

BOEING CO.
(U) TRIALS PLAN-AGEN-1 DYNAMIC CHARACTERIZATION

READINESS (38 PP)

FEB 73 RELEV 5

BE181-A256

REMARKS: REF RPTS 10-U02931 (TN-A-12)

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. WNN029

OCT 17 1978

DOCUMENT
NUMBER

10-U09851

BOEING CO.
(U) GRAPH: 8 PLOTS OF DEFINITIVE CHARACTERISTICS OF
AGCM-1: NULLBORNE-SMOOTHWATER (7 PP)
MAR 73 RELEV 4
LTR-2-1524-1000-928
N00600-69-C-0618
REMARKS: REF-TRIALS PLAN-BE159-A311 (10-U06929)
TRIALS & REPORT NOT COMPLETED

10-U05550 M

BOEING CO.
(U) REPORT ON SHIP BEHAVIOR DURING SEA
SPARROW/HYDROFOIL COMPATIBILITY TESTS ON
PLAINVIEW (AGCM-1)
MAY 73 RELEV 4
LTR 2-1524-1000-949
N00600-69-C-0618

10-U02444 M

BOEING CO.
(U) DIFFERENCES BETWEEN PREDICTED AND ACTUAL
DIRECTIONAL STABILITY AND FLAT TURNING
CHARACTERISTICS
THOMASSEN, R.E.
RLEG. D.F.
JUNE 73 RELEV 2
TN-A-11
N00600-69-C-0618
REMARKS: REF TRIALS PLAN BE132A-A241 (10-U06824)

10-U06824 F

BOEING CO.
(U) TRIALS PLAN-AGCM-1 SMOOTH WATER FOILBORNE
CHARACTERISTICS-PHASE II (127 PP)
JUNE 73 RELEV 4
BE132-A241
REMARKS: REF RPT 10-U02444 (TN-A11)

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. WNN009

OCT 17 1978

DOCUMENT
NUMBER

10-U09910

BOEING CO.
(U) AGEM-1 HULLBORNE ROUGH WATER MOTION

CHARACTERISTICS (2 PP) JUNE 73 RELEV 4

2-1524-1000-988

N00600-69-C-0618

REMARKS: REF TRIAL PLAN N0037-A254 (10-U07237)

BOEING CO.

10-C00541 M

(U) AGEM-1 CURRENT SPEED-POWER CHARACTERISTIC DATA

(U)

RIEG. D.F.

OCT 73 RELEV 2

LTR 2-1524-1000-1114

N00600-69-C-0618

REMARKS: REF TRIALS PLAN BE199A-A279 (10-U06961)

BOEING CO.

10-U04887 M

(U) AGEM-1 ROUGH WATER SPEED-POWER DATA-TRIALS PLAN

BE199A-A279 (10-U06961)

RIEG. D.F.

JAN 74 RELEV 2

LTR 2-1524-1000-1163

N00600-69-C-0618

REMARKS: CONTAIN SPEED, HP, PROP RPM AND TORQUE DATA
FOR SEA STATES 3 AND 4.

BOEING CO.

10-U05491 M

(U) EQUATIONS FOR AND RESULTS FROM THE DIGITAL

STIMULATION OF THE FOILBORNE AGEM-1

WAKINS, P.J.

D319-51500

N00600-69-C-0618

REMARKS: REF TRIALS PLAN BE206-A285 (10-U06967)

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. WNN009

OCT 17 1978

DOCUMENT
NUMBER

10-U04886 M

BOEING CO.
(U) RESULTS OF ROUGH WATER TRIALS (PHASE I)-TRIALS
PLAN BE 199A-A279 (10-U06981)
SHAKARIAN, A
COLEMAN, J.T.
TN-A-18
NO0600-69-C-0618
REMARKS: CONTAIN ROUGH WATER DATA THRU SEA STATE 4
ONLY FULL-SCALE ROUGH WATER DATA TO DATE.

10-U05037 M

BOEING CO.
(U) AGEM-1 PLAINVIEW. RESULTS OF PRE-ROUGH WATER
TRIALS, PART A
CHANG, F.
TN-A-14
NO0600-69-C-0618
REMARKS: REF TRIALS PLAN BE152A-A273 (10-U06922)

10-U05038 M

BOEING CO.
(U) AGEM-1 ROUGH WATER SPEED POWER DATA
MAR 74 RELEV 4
LTR-2-1524-1000-1190
NO0600-69-C-0618
REMARKS: TRIALS PLAN BE152B-A273 (10-U06922)

10-U09818

BOEING CO.
(U) PCM-1 MOD-1 TRIM, TURNING & STEP RESPONSE
CHARACTERISTICS-DEFINITIVE CHARACTERISTICS
FOILBORNE (16 PP)
APR 74 RELEV 4
2-1524-1000-1233
NO0600-69-C-0618
REMARKS: REF-TRIALS PLAN-WN042B-P290 (10-U07241)

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. WNN009 OCT 17 1978
DOCUMENT
NUMBER

BOEING CO. 10-U09909
(U) TRIM, TURNING AND STEP RESPONSE FIG. 4 AND 7 OF
PCM-1 DEFINITIVE CHARACTERISTICS FOILBORNE (2 PP)
APR 74 RELEV 4
2-1524-1000-1248
N00600-89-C-0618
REMARKS: REF TRIAL PLAN NNO428-P200 (10-U07241) SEE
DB/NO 10-U09816 FOR FIG. 4 AND 7.

BOEING CO. 10-U05489 F
(U) BOEING RECOMMENDED ITEMS FOR NSRDC WORKSHOP (JUNE
1974)
JUNE 74 RELEV 5

BOEING CO. 10-U05858 M
(U) DATA ON SPEED, RPM, FUEL FLOW AND WEIGHT IN
SUPPORT OF THE SAN DIEGO TRIP OF PCM MOD 1 (3
PP)
JULY 74 RELEV 4
LTR 2-1524-1000-1200
N00618-89-C-0618

BOEING CO. 10-U09849
(U) TRIALS PLAN PCM-1 TECHNICAL EVALUATION DURING
USCG OPERATION (7 PP)
APR 75 RELEV 5
BE223-P332
N00600-75-C-1107
REMARKS: REF-RPTS-10-U08487

BOEING CO. 10-C00277L
(U) BOEING TRIALS & ESTIMATED PERFORMANCE DATA FOR
PCM-1, PCM-2, & PCM-1 (U) (20 PP)
DEC 75 RELEV 4
LTR-2-1522-0000-347

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
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OCT 17 1978

DOCUMENT
NUMBER

10-U09823

BOEING CO.
(U) TRIALS AGENDA AGEN-1 DUTCH ROLL & HEIGHT
TRANSIENT INVESTIGATION (11 PP)
MAR 78 RELEV 5

77-H-803X
N00600-78-C-11107
REMARKS: NO TRIAL PLAN NUMBER ISSUED REF-WTA
1107-78-008A:RPT. TO BE ISSUED

10-U09830 F

BOEING CO.
(U) TRIALS PLAN-PCH-1 1971 ROUGH WATER TRIALS (26 PP)
SEPT 78 RELEV 5

REMARKS: NJ REPORT RELEASED

BE160-P217

10-C00760

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PCH-1 EXERCISE ADMIRALTY TRIALS (U) (76 PP)
(COMPREHENSIVE REPORT OF 4-DAY OPERATION)
ROBERTS, J.H.
LYN-SER-01-72
REMARKS: REF TRIALS PLAN N0028-P230 (10-U08728) AND
REPORT 10-S00115

10-U02045 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) AIRBORNE NOISE ON PCH-1 (HIGHPOINT) HYDROFOIL
SCHAB, H.W.
JULY 72 RELEV 5
18E-27-230

10-U02083 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) AIRBORNE NOISE ANALYSIS OF USS PLAINVIEW (AGEM-1)
AFTER INSTALLATION OF AIR INTAKE PLENUM ACOUSTIC
TREATMENT
ARGIRO, L.J.
JULY 72 RELEV 2
LYN HPT 27-247
REMARKS: REF TRIALS PLAN NY074A-A242 (10-U07144)

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DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-AGEN-1 AIRBORNE NOISE LEVEL ANALYSIS
(17 PP) 10-U07144 F

JULY 72 RELEV 5

MY074A-A242

REMARKS: REF RPT 10-U02083

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07241 F

(U) TRIALS PLAN-PCM-1 MOD-1 SMOOTH WATER

CHARACTERISTICS (23 PP)

O'NEILL, M.C.

NW0428-P290

REMARKS: REF RPT 10-U09818-TURNING, TRIM AND STEP
RESPONSE CHARACTERISTICS

APR 73 RELEV 5

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07286 F

(U) TRIALS PLAN-PCM-1 MACHINERY AND AIRBORNE NOISE

CHARACTERISTICS (13 PP)

SCHAB, M.W.

NW034A-P201

REMARKS: REF REPORT 10-U05493

AUG 73 RELEV 5

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U02826 M

(U) HUMAN FACTORS EVALUATION OF A HYDROFOIL DURING

EXTENDED TRANSIT AND EXERCISE OPERATIONS

EDMOND, P.

T&E-27-531

REMARKS: REF TRIALS PLAN DE164-P219 (10-U06934)

OCT 73 RELEV 4

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07249 F

(U) TRIALS PLAN-PCM-1 MOD-1 ROUGH WATER TRIALS (32

PP)

SAXTON, P.N.

NW054B-P210

REMARKS: REF RPT 10-U05118

FEB 74 RELEV 5

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10-U05277 M

DAVID W. TAYLOR NAVAL SHIP RAD CENTER
(U) USS PLAINVIEW (AGOS-1) PRELIMINARY VIBRATION
STUDIES-REF TRIALS PLAN NN031-A231 (10-U07231)
SCHAUER, R.E. APR 74 RELEV 2
T&E-SAD-79E-1966

REMARKS: WELL DONE STUDY WHICH COMPARES FULL SCALE
AND ANALYTICAL PREDICTIONS FOR HULL AND FOIL
SYSTEM VIBRATIONAL CHARACTERISTICS AND STRUT
FLUTTER SPEEDS. COMPARISON WITH MIL STD 1678 AND
HUMAN VIBRATION TOLERANCES LEVELS ARE ALSO MADE

10-U07181 F

DAVID W. TAYLOR NAVAL SHIP RAD CENTER
(U) TRIALS PLAN-HYDROFOIL SUNDSTRAND ANV-6 RADAR
ALTIMETER-HEIGHT SENSOR EVALUATION MAY 74 RELEV 5
HY093-H325

REMARKS: REPORT TO BE RELEASED. SEE TRIALS PLAN
HY104-H341

10-U07255 F

DAVID W. TAYLOR NAVAL SHIP RAD CENTER
(U) TRIALS PLAN-PCM-1/PGH AND OTHER CRAFT COMPARATIVE
SEAKEEPING (18 PP) JULY 74 RELEV 7
RABEL, C.R.
NN061-P323

REMARKS: CANCELLED

10-U07258 F

DAVID W. TAYLOR NAVAL SHIP RAD CENTER
(U) TRIALS PLAN-PCM-1 MOVIES OF STRUCTURAL MANEUVERS
(17 PP) JULY 74 RELEV 5
YARNALL, P.
NN062-P324C

REMARKS: ONE MOVIE COMPLETED-REMAINDER OF TRIAL
CANCELLED 1211:5315:1092::A:567:2002:0100

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
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QUERY-PART NO. WHN009

OCT 17 1978

DOCUMENT
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07258 F
(U) TRIALS PLAN-PCH-1 EVALUATION OF SEPT. 1974
HYDROFOIL DIGITAL AUTOPILOT (HUDAP) CONFIGURATION
(13 PP)
O'NEILL, W.C. AUG 74 RELEV 5
NR064B-F328
REMARKS: REF. RPT. DRAPER LAB-R745(10-U02401)

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07254 F
(U) TRIALS PLAN-PCH-1 HYDAP TESTS-EFFECTS OF VARIOUS
GAIN ON HULLBORNE MOTION (23 PP)
O'NEILL, W.C. DEC 74 RELEV 5
NR060B-P317
REMARKS: NO REPORT RELEASED

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07259 F
(U) TRIALS PLAN-PCH-1 FLAP EFFECTIVENESS-STATIC
DYNAMIC DURING MANEUVERS AND FOLLOWING BROACHING
(27 PP)
O'NEILL, W.C. DEC 74 RELEV 5
NR065-329
REMARKS: NO REPORT RELEASED

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07260 F
(U) TRIALS PLAN-PCH-1 BASE LINE
O'NEILL, W.C.
25
27
NR066-P330
REMARKS: REPORT TO BE RELEASED

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07261 F
(U) TRIALS PLAN-PCH-1 1975 ROUGH WATER TRIALS (51 PP)
O'NEILL, W.C. DEC 74 RELEV 5
NR067-P331
REMARKS: REPORT DUE

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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SEARCH FOR

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. WNN009

OCT 17 1978

DOCUMENT
NUMBER

10-C01088LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I
TECHNICAL ASSESSMENT; HYDROFOIL VOL I & VOL II
(U)

JUNE 76 RELEV 1

TN-SDD-115-18

REMARKS: REF. DB/NO 10-500168

10-U07662LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) SDD DATA BANK HYDROFOIL DOCUMENT LISTING
"PERFORMANCE" : (FOR ANVCE STUDY, TASK II, CHAP
III) (APPROX 150 PP)

JUNE 76 RELEV 5

REMARKS: REF. ANVCE TECH. ASSESSMENT VOL I & II
DB/NO 10-C01088L

10-U08456 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PLAINVIEW (AGEN-1) PC-T OVERHAUL OPERATIONAL
LIMITS SEPTEMBER 1976 (7 PP)

SEPT 76 RELEV 4

LTR-SER 150-76

REMARKS: OPERATIONAL RED LINE LISTINGS

10-U08465 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PCN-1 MOD-1 CALM WATER TRIALS DATA FOR
TRANSMITTAL TO BOEING FOR COMPARISON WITH SIMILAR
PHM-1 DATA (63 PP)

SEPT 76 RELEV 4

LTR-76-173-M125

REMARKS: DATA ON CALM WATER DEBRIS AVOIDANCE
MANEUVERS AND FORWARD FOIL BROACHES.

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SEARCH FOR

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. WNN009

OCT 17 1978

DOCUMENT
NUMBER

10-U08803 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PLAINVIEW AGEM-1 TRIAL AGENDA POST RAY/OVERHAUL
CHECKOUT SECTION C: UNDERWAY HULLBORNE (61 PP)
SEPT 76 RELEV 5

76-N-A07X

REMARKS: REV A OF SECTION C. SEE 10-U08810M FOR
ORIGINAL OF SECTION C.

10-U08834 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PCM-1 MOD-1 CALM WATER TRIALS DATA FOR
TRANSMITTAL TO BOEING FOR COMPARISON WITH SIMILAR
PHM-1 DATA (63 PP)
GILL, D.E. SEPT 76 RELEV 4
LTR-76-173-M125

REMARKS: REF TRIALS PLAN NW049-P294 (10-U07245)

10-U08810 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PLAINVIEW (AGEN-1) POST RAY/OVERHAUL UNDERWAY
HULLBORNE AND FOILBORNE CHECKOUT TRIAL AGENDAS
(139 PP)

LTR 76-N-A07X

OCT 76 RELEV 5

REMARKS: SECTIONS C AND D.

10-U08867 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) JOINT FOILBORNE TRANSMISSION UNDERWAY
CHECKOUT TRIALS LOG PACKAGE FOR VOYAGE NO. 063.
065, 066, & 068 (22 PP)
WHITEHEAD, V.R. APR 77 RELEV 5
LTR SER 90-77

10-U08868 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PLAINVIEW (AGEN-1) POST OVERHAUL OPERATIONAL
LIMITS MAY 1977 (7 PP)

LTR-SER81-77

MAY 77 RELEV 4

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 14

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. WNN009

OCT 17 1978

DOCUMENT
NUMBER

10-C007061

DEFENCE RESEARCH ESTABLISHMENT, ATLANTIC

(U) TITLE IS RESTRICTED

JONES, E.A.

DREA TN-M/73/3

MAR 73

RELEV 2

10-U053731M

DEFENCE RESEARCH ESTABLISHMENT, ATLANTIC

(U) PREDICTION OF PITCH AND HEAVE MOTIONS OF

MULLSORNE HYDROFOIL VESSELS (63 PP)

JAN 74

RELEV 2

DREA RPT-74/2

A08002938

REMARKS: CORRELATION LOOK EXCELLENT IN HEAD SEAS.

CORRELATES AGEH MODEL TESTS, FHE-400 FULL SCALE

DATA WITH COMPUTER PROGRAM

10-S001091

GENERAL ELECTRIC CO.

(U) COMPATIBILITY EVALUATION AND DEMONSTRATION

BETWEEN ASM TOWED ARRAY SONAR AND HIGH SPEED

CRAFT (U)(26 PP)

SEPT 73

RELEV 4

10-U05127 M

MARINE TECHNOLOGY

(U) COMPUTER SUPPORT IN THE DESIGN AND TESTING OF

UNDERSEA TOWED SYSTEMS

BURROUGHS, J.D.

BENZ, R.C.

VOL 11, NO. 2, PP 159- 172

APR 74

RELEV 3

10-S00115

NAVAL ELECTRONICS LABORATORY CENTER

(U) COMMENTS ON PCN-1 IN EXERCISE ADMIXTURE (U)(2 PP)

JAN 72

RELEV 4

MCMAHON, S.A.

LTR #232-001/J601

REMARKS: REF TRIALS PLAN NO. P230 (10-U08728)

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. WNM009

OCT 17 1978

DOCUMENT
NUMBER

10-C00543 M

NAVAL SHIP MISSILE SYSTEMS ENGINEERING STATION
(U) SEA SPARROW/HYDROFOIL COMPATIBILITY TEST REPORT
GROSS, T.A. JUNE 73 RELEV 2
TR-276

REMARKS: REF TRIALS PLAN NM040A-A272 (10-U07239)

10-C00400 M

NAVAL TORPEDO STATION, KEYPORT, WASHINGTON
(U) PLAINVIEW (AGEN-1) TORPEDO LAUNCHING TRIALS OF 23
FEBRUARY 1972 (U) (35 PP)
ATTRI. S.P. SEPT 72 RELEV 4
RPT-1160

REMARKS: REF TRIALS PLAN NM034-A252 (10-U07234)

10-C00275

NAVAL UNDERSEA CENTER
(U) TORCRAFT SELECTION FOR THE "HIGH-SPEED TONED
SONAR INVESTIGATION" (U) (55 PP)
POYNTER, R.J. JULY 72 RELEV 4
356/N0108-72 OF JUL 72

10-U05493 M

PUGET SOUND NAVAL SHIPYARD
(U) USS HIGH POINT (PCN-1 MOD-1)-STRUCTUREBORNE AND
AIRBORNE NOISE SURVEY MAY 74 RELEV 2
T-10146

REMARKS: REF TRIALS PLAN MA034A-P301 (10-U07286)

10-U02023 M

SPAETGENS (T. M.)
(U) EVALUATION OF TORSIONAL VIBRATION CHARACTERISTICS
OF FOILBORNE PROPULSION SYSTEMS-HYDROFOIL
PLAINVIEW (AGEN-1)
SPAETGENS, T.M. APR 72 RELEV 4
C1508-1

NO0406-72-C-0527

REMARKS: INTERIM REPT. SEE DB NO. 10-U02020

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. 000009

OCT 17 1978

DOCUMENT
NUMBER

10-U08487LM

U. S. COAST GUARD
(U) OPERATIONAL EVALUATION OF THE HYDROFOIL CONCEPT
FOR U. S. COAST GUARD MISSIONS, PHASE III
REPORT OF OPERATIONS WITH USCGC HIGH POINT (WMEH-
11 1165 29)

IRVINE, J.F.
BLAKE, D.T.
CO-D-192-75

JUNE 78 KELEY 4

REMARKS: REF NOT 10-U0848

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OPERATIONAL

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION OPERATIONS

QUERY-PART NO. WNN010

OCT 17 1978

DOCUMENT
NUMBER

10-C00256 F

BOEING CO.
(U) VOYAGE SUMMARY OF HIGH POINT PCM-1 TECHNICAL
TRIAL DEPLOYMENT JAN 5, TO MAR 15, 1971
SALISBURY, V. JULY 72 RELEV 5
D2-133834-1
REMARKS: REF TRIAL PLAN NE026-P226 (10-U07188)

10-U01853 F

BOEING CO.
(U) PATROL CRAFT HYDROFOIL HIGH POINT TRIAL SUMMARY
AND LOGS FOR THE TRANSITS, DEMONSTRATIONS, AND
ROUGH WATER TRIALS OF THE SAN DIEGO DEPLOYMENT
ROBERTS, G.B. JULY 72 RELEV 5
D2-133703-56-1
N00600-89-C-0618
REMARKS: REF TRIALS PLAN NE026-P226 (10-U07188)

10-U01854 F

BOEING CO.
(U) PATROL CRAFT HIGH POINT TRIAL SUMMARY AND LOGS
FOR THE MISSION TRIALS OF THE SAN DIEGO
DEPLOYMENT JULY 72 RELEV 5
ROBERTS, G.B.
D2-133703-56-2
N00600-89-C-0618
REMARKS: REF TRIALS PLAN NE026-P226 (10-U07188)

10-U01859 F

BOEING CO.
(U) PATROL CRAFT HYDROFOIL HIGH POINT TRIAL SUMMARY
AND LOGS FOR THE EVALUATION TRIALS OF THE SAN
DIEGO DEPLOYMENT JULY 72 RELEV 5
ROBERTS, G.B.
D2-133703-56-3
N00600-89-C-0618
REMARKS: REF TRIALS PLAN NE026-P226 (10-U07188)

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
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QUERY-PART NO. 000010

OCT 17 1978

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10-U00964 F

BOEING CO.
(U) TRIALS PLAN-AGEN-1 INTEGRATED TRIALS PROGRAM (18
PP)

NOV 72 RELEV 7

RE202-A282C

REMARKS: CANCELLED

10-U06937 F

BOEING CO.
(U) TRIALS PLAN-PCM-1 REMOTE OPERATION EVALUATION (8
PP)

MAY 73 RELEV 5

RE167-P221

REMARKS: REF RPTS 10-U01974 AND 10-U02632

10-U09849

BOEING CO.
(U) TRIALS PLAN PCM-1 TECHNICAL EVALUATION DURING
USCG OPERATION (7 PP)

APR 75 RELEV 5

RE223-P332

NO0600-75-C-1107

REMARKS: REF-RPTS-10-U08487

10-C00760

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PCM-1 EXERCISE ADMIRALTY TRIALS (U) (76 PP)
(COMPREHENSIVE REPORT OF 4-DAY OPERATION)
ROBERTS, J.M.
LTR-SER-01-72

MAR 72 RELEV 4

REMARKS: REF TRIALS PLAN NE028-P230 (10-U08728) AND
REPORT 10-S00115

10-C01176 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PCM-1 EXERCISE COMPTUEX 1-71 TRIALS (U) (46 PP)
ROBERTS, J.M.
SER 02-72

REMARKS: REF TRIALS PLAN NE028-P226 (10-U07188)

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
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QUERY-PART NO. W00010

OCT 17 1978

DOCUMENT
NUMBER

10-C00700 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) SUMMARY OF HYDROFOIL PARTICIPATION IN FLEET
EXERCISES (U)(15 PP)
RABEL, C.R. JULY 72 RELEV 3
REMARKS: REF TRIALS PLAN NE200-P226 (10-U07188)

10-U07241 P

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCM-1 MOD-1 SMOOTH WATER
CHARACTERISTICS (23 PP)
O'NEILL, M.C. APR 73 RELEV 5
N00428-P290
REMARKS: REF RPT 10-U09818-TURNING, TRIM AND STEP
RESPONSE CHARACTERISTICS

10-U02632 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) HIGH POINT (PCM-1) TRANSIT FROM BREWERTON,
WASHINGTON TO SAN DIEGO, CALIFORNIA AND RETURN
ROBERTS, J.M. MAY 73 RELEV 5
LTR PCM:JMR:MF:SER 11-73
REMARKS: REF TRIALS PLAN BE 187-P221 (10-U06937) AND
REPORT 10-U01974

10-U08456 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PLAINVIEW (AGEN-1) POST OVERHAUL OPERATIONAL
LIMITS SEPTEMBER 1976 (7 PP)
LTR-SER 198-76 SEPT 76 RELEV 4
REMARKS: OPERATIONAL RED LINE LISTINGS

10-S00109L

GENERAL ELECTRIC CO.
(U) COMPATIBILITY EVALUATION AND DEMONSTRATION
BETWEEN ASM TOWED ARRAY SONAR AND HIGH SPEED
CRAFT (U)(26 PP)
SEPT 73 RELEV 4

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
MISSION OPERATIONS

QUERY-PART NO. WNW010

OCT 17 1978

DOCUMENT
NUMBER

10-C00776LM

GRUMMAN AEROSPACE CORP.
(U) AGIENT-1 IN SUPPORT OF FUTURE HYDROFOIL SYSTEMS
DEVELOPMENT-FISCAL YEAR 1974:VOL I HISTORICAL
COMPENDIUM OF INVESTIGATIONS CONDUCTED IN FISCAL
YEAR 1974 (U)(53 PP)

JULY 74 RELEV 4

N00406-74-C-0632
ADC002918

REMARKS: SOME COST ESTIMATES INCLUDED

10-U07755LM

GRUMMAN AEROSPACE CORP.
(U) USE OF PLAINVIEW (AGEH) TO EVALUATE ACTIVE
PASSIVE RELIABLE ACOUSTIC PATH SONAR (APRAPS)
SYSTEM (42 PP)

FEB 76 RELEV 5

MAR 298-070-1
N00800-76-C-0246

REMARKS: SEE COMMENTS ATTACHED TO BACK COVER

10-C00983 M

HUGHES AIRCRAFT CO.
(U) LIGHTWEIGHT WEAPON SYSTEM DEMONSTRATION PLAN FOR
A LARGE HYDROFOIL (U) (53 PP)

MAR 75 RELEV 4

N00406-75-C-1068

REMARKS: GOOD DISCUSSION OF AAW ENGAGEMENT
GEOMETRIES.

10-S00115

NAVAL ELECTRONICS LABORATORY CENTER
(U) COMMENTS ON PCM-1 IN EXERCISE ADMIRALTY (U)(2 PP)
MCRAHON, C.A.
LTR N-232-001/J601

JAN 72 RELEV 4

REMARKS: REF TRIALS PLAN NE028-P230 (10-U06726)

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
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DOCUMENT
NUMBER

10-U07191 F

NAVAL ELECTRONICS LABORATORY CENTER
(U) TRIALS PLAN-PCH-1 DD/DE PENALO TRIALS (54 PP)
BERESFORD, D.N.
NAMEY, D.R.
NE029-P300
REMARKS: REF RPT 10-S00133

JULY 73 RELEV 5

10-U07195 F

NAVAL ELECTRONICS LABORATORY CENTER
(U) TRIALS PLAN-PCH-1 IN EW TRIALS-INSTALLATION PLAN
(17 PP)
BERESFORD, D.N.
NEC36-P319
REMARKS: EQUIPMENT INSTALLED-NO REPORT REQUIRED

JULY 74 RELEV 5

10-S00137L

NAVAL ELECTRONICS LABORATORY CENTER
(U) HYDROFOIL SHIP SIGNATURE EVALUATION STUDY (U)
(102 PP)
EPSTEIN, R.R.
NEC LTR SER 0232-519
REMARKS: REF TRIALS PLAN NW030A-A260 (10-U07236).
EXCELLENT REVIEW OF EXISTING HYDROFOIL SIGNATURE
INFO.

FEB 76 RELEV 3

10-C01051LM

NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA
(U) RESULTS OF THE VERSATILE ELECTRO-OPTICAL SYSTEM
SHIPBOARD DEMONSTRATION ABOARD THE USS SAGINAW
(LST-1188) (U)
TONAR, J.M.
NSWC/DL TR-3491
ADC008147
REMARKS: DESCRIBES AT-SEA-DEMONSTRATION OF (VEOS)
FOR AMPHIBIOUS AND FIRE CONTROL MISSIONS. SEE
HYDROFOIL TRIALS PLAN MW095-P314 (10-U07163)

MAY 76 RELEV 3

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
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QUERY-PART NO. WNM010 OCT 17 1978

DOCUMENT
NUMBER

10-C00400 M

NAVAL TORPEDO STATION, KEYPORT, WASHINGTON

(U) PLAINVIEW (AGEN-1) TORPEDO LAUNCHING TRIALS OF 23

FEBRUARY 1972 (U) (35 PP)

ATTN: S.P. SEPT 72 RELEV 4

RPT-1180

NR-3-0129

REMARKS: REF TRIALS PLAN NW034-A282 (10-U07234)

10-U08487LM

U. S. COAST GUARD

(U) OPERATIONAL EVALUATION OF THE HYDROFOIL CONCEPT

FOR U. S. COAST GUARD MISSIONS, PHASE III

REPORT CO-OPERATIONS WITH USCGC HIGH POINT (WHEN-

1) (165 PP)

IRVINE, J.F.

BLAKE, D.T.

CG-D-192-75

REMARKS: REF RPT 10-U09849

JUNE 75 RELEV 4

10-U07463 M

U. S. COAST GUARD

(U) OPERATIONAL EVALUATIONS OF THE HYDROFOIL CONCEPT

FOR US COAST GUARD MISSIONS-EXECUTIVE SUMMARY (24

PP)

EMMONS, P.L.

WILLIAMS, R.E.

CG-D-14-76

ADA022499

DEC 75 RELEV 3

10-U01974 F

U. S. NAVY HYDROFOIL HIGH POINT (PCM-1)

(U) FINAL REPORT ON HYDROFOIL SPECIAL TRIALS UNIT

MISSION PLAN BE 167-P221-PCM-1; REMOTE OPERATION

EVALUATION PLAN

ROBERTS, J.N.

LTR PCM1:JNR:MF, SER 10-73

REMARKS: REF TRIALS PLAN BE 167-P221 (10-U06937) AND

RPT 10-U02632

MAY 73 RELEV 4

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STRUCTURES

SWAMP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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SEARCH FOR

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
STRUCTURAL

QUERY-PART NO. WNN011

OCT 17 1978

DOCUMENT
NUMBER

10-U04822 M

BOEING CO.

(U) HYDROFOIL CRAFT STRUCTURAL CRITERIA-RELATED

EXPERIENCE
COMN. R.

FRENCH, H.

WATSON, F.

D221-11000-2

N00600-71-C-0556

REMARKS: FOR RECOMMENDATIONS FOR CRITERIA
DEVELOPMENT. SEE BOEING DOC. D221-11000-3
(DB/NO. U0-4820) CURRENTLY UNDER NAVY REVIEW.

APR 72 RELEV 1

BOEING CO.

(U) SEARCH FOR STRUCTURALLY SIGNIFICANT SMOOTH WATER
MANEUVERS ON PCH MOD-0 (6 PP)

LTR-2-1506-1000-686

N00600-69-C-0618

REMARKS: LIST OF TAPES AND TIMES WHERE EXTREME
MANEUVERS WERE EXPERIENCED. ALSO SUMMARY OF
4/30/68 LOG IMPACT

AUG 72 RELEV 5

10-U05847 F

BOEING CO.

(U) TEST TECHNIQUE DEVELOPMENT-STRUCTURAL DEFLECTION
MEASUREMENT ON PCH-1: CANCELLATION OF (1 PP)

DEC 72 RELEV 7

MYSTU PLAN BE205-PC

10-U06688 F

BOEING CO.

(U) MAIN STRUT EXTENSION/RETRACTION SYSTEM TEST

RESULTS

SOERSON, D.

LTR 2-1524-1000-835

N00600-69-C-0618

REMARKS: INSUFFICIENT AND INCOMPLETE ANALYSIS AND
DOCUMENTATION

JAN 73 RELEV 5

10-U01197 F

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SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
STRUCTURAL

DATE: 1987 NOV. 01 11:11

OCT 17 1978

DOCUMENT
NUMBER

10-U02576 M

BOEING CO.
(U) STRUCTURAL INSPECTION-AGEN-1 PLAINVIEW PRE-ROUGH
WATER TESTING (1972)(HYSTU PLAN BE129-A197)
JAN 73 RELEV 4

LTR 2-1524-1000-827
N00600-59-C-0618

10-U01911 M

BOEING CO.
(U) PLAINVIEW SHIP MOTIONS AND ACS OPERATION
FOLLOWING THE STARBOARD FOIL INCIDENCE CONTROL
LINKAGE FAILURE
COLEMAN, J.T.
MAR 73 RELEV 2
TN-A-15
N00600-59-C-0618
REMARKS: ALSO SEE NSRDC MEMO, DB NO. 10-U2263

10-U02145 M

BOEING CO.
(U) SHIP BEHAVIOR DURING SEA SPARROW/HYDROFOIL
COMPATIBILITY TESTS ON PLAINVIEW (AGEN-1)
MAY 73 RELEV 4
LTR 2-1524-1000-949
N00600-59-C-0618
REMARKS: REF TRIALS PLAN N0040A-A272 (10-U07239)

10-U02629 M

BOEING CO.
(U) AGEN-1, AFT STRUT STRUCTURAL REVIEW, STATION 75
TO 125
ROUND, D.M.
MAY 73 RELEV 4
LTR 2-1524-1000-961
N00600-59-C-0618

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
STRUCTURAL

QUERY-PART NO. WNN011

OCT 17 1978

DOCUMENT
NUMBER

10-U02769 M

BOEING CO.
(U) INCIDENT CONTROL ROD LOADS AND FOIL ANGLE
DISPLACEMENTS PLAINVIEW. AGEH-1
ROUND. D.M.
YOUNGSTROM. W.R.
LTR 2-1524-1000-1074
NO0600-69-C-0618
REMARKS: REF. HYSTU WTA NO. 0818-73-088A

10-U02887 F

BOEING CO.
(U) STRUCTURAL MONITORING REQUIREMENTS FOIL AND STRUT
INSTRUMENTATION SYSTEM HIGH POINT PCH-1 (MOD 1)15
NOV 1973
ROUND. D.M.
LTR 2-1524-1000-1133
NO0600-69-C-0618
REMARKS: REVISED

10-U05121 M

BOEING CO.
(U) SHIP BEHAVIOR DURING HARPOON/HYDROFOIL
COMPATIBILITY TESTS ON HIGH POINT (PCM-1)
MAR 74 RELEV 4
LTR 2-1524-1000-1192
NO0600-69-C-0618
REMARKS: REF TRIALS PLAN CNW045-P305 (10-U07247)

10-U05489 F

BOEING CO.
(U) BOEING RECOMMENDED ITEMS FOR NSROC WORKSHOP (JUNE
1974)
JUNE 74 RELEV 5

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
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NUMBER

10-U05711 M

BOEING CO.

(U) LATERAL BENDING MOMENT LOADS AND RUDDER TORQUES
AFT STRUT, PLAINVIEW (AGEN-1), 1 AND 9 NOVEMBER
1972 (39 PP)

ROUND, D.M. OCT 74 RELEV 4

LTR 2-1524-1000-1333

N00600-69-C-0618

REMARKS: REF TRIALS PLAN BE195A-A279 (10-U06961).
CONTAINS DATA ON CYCLIC LOAD MEASUREMENTS
OBTAINED IN SEA STATE 3.

BOEING CO.

(U) HULL IMPACT TRIALS (89 PP)

WATSON, F.B.

TN-A-17

OCT 74 RELEV 4

10-U05720 M

N00600-69-C-0618

REMARKS: REF TRIALS PLAN BE138-A248 (10-U06820).
PROVIDES CORRELATION BETWEEN MEASURED AND
PREDICTED RIGID BODY MOTIONS. REPORT IS LIMITED
IN TERMS OF VALIDATING THE PREDICTION TECHNIQUES.

BOEING CO.

(U) TRIALS PLAN-AGEN-1 HULL IMPACT CHARACTERISTICS
(29 PP)

OCT 74 RELEV 5

BE138-A248

REMARKS: REF RPT 10-U05720 (TN-A-17)

10-U06820 F

BOEING CO.

(U) AFT NACELLE CRACKS, HIGH POINT (PCN-1), 1974-1975

RAV (36 PP)

ROUND, D.M.

LTR 2-1524-1000-1448

N00600-75-R-5007

MAR 75 RELEV 2

10-U06245 M

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DOCUMENT
NUMBER

10-U05756 M

BOEING CO.
(U) INVESTIGATIONS OF BOLTS FROM PCH-1 MOD-1 (12 PP)
ROBERTS, E.C.
METAL LAB RPT-5057
APR 75 RELEV 4

10-U07448 M

BOEING CO.
(U) PCH-1 TRANSMITTAL OF REPORT (PHASE 1) STRUCTURAL
STRAIN GAGE RESPONSES DURING THE STARBOARD
FORWARD PROPELLER SHAFT FAILURE OF 9-26-75 (8 PP)
RAND, A.H.
LTR 1-1524-1000-1808
NOV 75 RELEV 4
NO060-75-C-1107

10-U07354 M

BOEING CO.
(U) WORK AND ANALYSIS PLAN FOR HYDROFOIL LOADS
CRITERIA SUPPORT-HIGH POINT (PCH-1) MOD 1: REPORT
NO. 3 LOADING INCIDENTS-ROUGH WATER TRIALS, NOV-
DEC 1975 (25 PP)
ROUND, D.H.
FEB 76 RELEV 5
LTR M-7308-1000-1706
NO060-75-C-1107
REMARKS: A TABULATION OF HIGH OR UNUSUAL LOADING
INCIDENTS DURING THE ROUGH WATER TRIALS OF PCH.

10-U08833 M

BOEING CO.
(U) FATIGUE ANALYSIS OF THE PCH-1 KING POST (45 PP)
ROUND, D.H.
MAR 77 RELEV 4
PPT-8

10-U09828

BOEING CO.
(U) FAILED AGEN-1 PROPELLER M & P METALLURGICAL
LABORATORY SUPPORT (7 PP)
ROBERTS, E.
DEC 77 RELEV 4
2-5618-0077-276
NO060-75-C-1107
REMARKS: REF-MTA-1107-77-010A & D/B NO. 10-U09827

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NUMBER

10-U09827

BOEING CO.
(U) AGEM-1 FAILED PROPELLER BLADE FATIGUE TEST
LABORATORY TEST REPORT (5 PP)
ROBERTS, E. MAR 78 RELEV 4
2-5618-0078-048
N00620-75-C-1107
REMARKS: REF-TNA-1107-77-010A-REV-1 & D/B NO.
10-U09828

10-C00760

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PCM-1 EXERCISE ADMIXTURE TRIALS (U) (76 PP)
(COMPREHENSIVE REPORT OF 4-DAY OPERATION)
ROBERTS, J.W. MAR 72 RELEV 4
LTR-5CR-01-72
REMARKS: REF TRIALS PLAN NE028-P230 (10-U08728) AND
REPORT 10-S00115

10-U07148 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-AGEM-1 DESIGN AND INSTALLATION OF
PERMANENT STRUT SPRAY FENCES (5 PP)
AUG 72 RELEV 7
MY078-A274
REMARKS: REF RPTS 10-U01896 (FENCES WERE LATER
REMOVED). NO FINAL REPORT RELEASED.

10-U07149 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-AGEM-1 DESIGN FABRICATION AND
INSTALLATION OF LENGTHENED/STRENGTHENED HY-130
TAIL STRUT (9 PP)
AUG 72 RELEV 8
MY078A-A276
REMARKS: SEE GRUMAN DESIGN AND CONSTRUCTION
DOCUMENTATION

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DOCUMENT
NUMBER

10-U01230 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) MEASUREMENT OF AGEM STRUT-FOIL AND HULL DYNAMIC
CHARACTERISTICS BY "PLUCK" TEST
PEOPLES, J.R. SEPT 72 RELEV 2
TAE-SAD-13E-1966

REMARKS: PROVIDES VERIFICATION OF ANALYTICAL AND
EXPERIMENTAL TECHNIQUES

10-U05840 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) FATIGUE DAMAGE SURVEY OF EXISTING HIGH
PERFORMANCE SURFACE SHIPS (14 PP)
JOHNSON, W.S. DEC 72 RELEV 4
TN-SO-173-236

10-U01441LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) HYDRODYNAMIC AND STRUCTURAL PARAMETERS FOR
T-FOILS ON SIX FULL-SCALE HYDROFOIL CRAFT
BESCH, P.K. FEB 73 RELEV 3
TN-SPO-246
REMARKS: PHM DATA OUT OF DATE AS OF 02/73

10-U02263 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) FAILURE OF PLAINVIEW (AGEM-1) STARBOARD FOIL
INCIDENCE LINK, 11 DECEMBER 1972
VARNALL, P. MAR 73 RELEV 2
NENG 73-173-M98
REMARKS: COMPREHENSIVE DESCRIPTION OF THE FAILURE
AND HULL IMPACT. SEE DB NO. 10-U01911

10-U07156 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-AGEN-1 FLAP CONTROL SYSTEM (8 PP)
APR 73 RELEV 5
MY087-A288
REMARKS: REF RPTS 10-U05061, 10-U05055, 10-U02390,
10-U02391 AND 10-U02407

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
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QUERY-PART NO. UNW011

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DOCUMENT
NUMBER

10-U05875 W

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) SERVICE EXPERIENCE OF STRUT AND FOIL DAMAGE ON
NAVY HYDROFOILS (3 PP) JUNE 73 RELEV 3
RASEL, C.R.
MEMO MF-114/ J568-1 GEN
REMARKS: INFORMAL SUMMARY OF DEBRIS IMPACTS. NOT A
COMPREHENSIVE TREATMENT

10-U07245 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCM-1 MOD-1 CALM WATER STRUCTURAL
TESTS (27 PP) JUNE 73 RELEV 5
BUCKLEY, W.M.
N049-P294
REMARKS: REF RPTS 10-U05046, 10-U06834, 10-U05847
AND 10-U05118

10-U02802 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) RESULTS OF INSPECTION OF AGE-1, PLAINVIEW STRUTS
AND FOILS, DURING SEPTEMBER 11-21, 1973
JOHNSON, R.E.
OCT 73 RELEV 5
MEMO CODE-173.2

10-U07243 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCM-1 HARPOON CANISTER LAUNCHER
EVALUATION AND INTERFACE INVESTIGATION (11 PP)
RASEL, C.R.
N043-P305
REMARKS: REF RPTS 10-U02851, 10-U05173, 10-C00733,
10-U05551, 10-U05436, 10-U05439, 10-U05549,
10-U05553, 10-U05559, 10-U05'21, AND 10-U05603

10-U05038 W

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) HIGH POINT, PCM-1 MOD 1 DEBRIS AVOIDANCE INCIDENT
ON 5 DECEMBER 1973
YARNALL, P.
FEB 74 RELEV 4
MEMO CODE-173.3

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HYDROFOIL R AND O TRIALS DOCUMENTATION SUMMARY
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QUERY-PART NO. WNN011

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DOCUMENT
NUMBER

10-U04996LP

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) RESULTS OF VISIT TO MYSTU, BOEING NAVAL SYSTEMS
DIVISION AND PRELIMINARY RESULTS OF PCH-1 MOD 1
CALM WATER STRUCTURAL TRIALS, FEBRUARY 20-26,
1974
BUCKLEY, M.M. MAR 74 RELEV 5
MEMO CODE-173.3

10-U05046 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) ADEQUACY OF PCH-1 MOD 1 FORWARD STRUT DESIGN
LOADS
BUCKLEY, M.M. APR 74 RELEV 2
MEMO 173:WMS, 74-173-W76
REMARKS: REF TRIALS PLAN N0049-P294 (10-U07245)

10-U05118 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PRELIMINARY RESULTS OF PCH-1 MOD 1 ROUGH WATER
TRIALS (STRUCTURAL DATA)
BUCKLEY, M.M. APR 74 RELEV 4
MEMO 173-W62

REMARKS: REF TRIALS PLAN N0054B-P310 (10-U07249).
MEMO ALSO REVIEWS STRUCTURAL DETAILS OF MOD-1
CONTROL SYSTEM

10-U05119 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PCH-1 MOD 1 KING POST DRAG BENDING
YARNALL, P. APR 74 RELEV 5
MEMO 173:PY 74-173-W65
REMARKS: DESCRIBES DETAILS OF PCH-2 KING POST
STRUCTURAL CRACK, AND FAILURE

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
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NUMBER
10-U05277 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) USS PLAINVIEW (AGCM-1) PRELIMINARY VIBRATION
STUDIES-REF TRIALS PLAN NW031-A231 (10-U07231)
SCHAUER, R.E. APR 74 RELEV 2
T&E-SAD-79E-1966
REMARKS: WELL DONE STUDY WHICH COMPARES FULL SCALE
AND ANALYTICAL PREDICTIONS FOR HULL AND FOIL
SYSTEM VIBRATIONAL CHARACTERISTICS AND STRUT
FLUTTER SPEEDS. COMPARISON WITH MIL STD 1678 AND
HUMAN VIBRATION TOLERANCES LEVELS ARE ALSO MADE

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U05436 M
(U) HARPOON/HIGH POINT TRIALS : SUMMARY OF STRUCTURAL
SUPPORT ACTIVITIES MAY 74 RELEV 4
YARNALL, P.
LTR-74-173-482
REMARKS: REF TRIALS PLAN NW051A-P302 (10-U07247) AND
NW045-P305 (10-U07243)

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U05282 M
(U) INSPECTION TRIP TO U. S. NAVY HYDROFOIL
PLAINVIEW (AGCM-1112-14 OCT 1973 (TRIP REPORT)
JOHNSON, W.S. JUNE 74 RELEV 2
LTR 74-173-99:173:WSJ

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U05395 M
(U) SEA SPARROW/HYDROFOIL COMPATIBILITY TRIALS
YARNALL, P. JULY 74 RELEV 4
MEMO CODE-173: PY:74-173-M
REMARKS: REF TRIALS PLAN NW040A-A27 (10-U07239)
DOCUMENTS ASPECTS OF TRIAL PERTAINING TO
HYDROFOIL STRUCTURES

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
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DOCUMENT
NUMBER

10-U07256 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-PCM-1 MOVIES OF STRUCTURAL MANEUVERS
(7 PP)

YARNALL, P. JULY 74 RELEV 5

N062-P324C

REMARKS: ONE MOVIE COMPLETED-REMAINDER OF TRIAL
CANCELLED 12111.6315:1092::A:567:3002:0100

10-U07257 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) TRIALS PLAN-PCM-1 STRUCTURAL INSTRUMENTATION
INSTALLATION (24 PP)

YARNALL, P. JULY 74 RELEV 5

N063-P327C

REMARKS: EQUIPMENT INSTALLED-NO REPORT REQUIRED

10-U05645 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) SUMMARY OF HYDROFOIL TRIALS PLANNING WORKSHOP
HELD JUNE 12-13 1974

SEPT 74 RELEV 4

LTR 113-DUC:9080 OF 18 SE

10-U05684M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) FATIGUE LOADS FOR PHM CONTROL LINKAGES (120 PP)
BUCKLEY, W.M. SEPT 74 RELEV 2

74-173-M187

REMARKS: LOADS ARE DERIVED FROM ANALYSIS OF PCM MOD-
1 TRIALS DATA

10-U05770 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) CRACKS IN THE PROPELLSION PODS OF HIGH POINT (PCM-
1 MOD-1)

YARNALL, P. NOV 74 RELEV 4

74-173-M208

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
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DOCUMENT
NUMBER

10-U06345LF

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIP REPORT TO MYSTU AND BOEING (RE: AGEH
FOIL/STRUCT INSPECTION:PCN-1 MOD-1 TRIALS SUMMARY
(21 PP)
YARNALL, P.
JAD/74-173-M21 NOV 74 RELEV 5

10-U07726 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) RESULTS OF PRELIMINARY VIBRATION SURVEY OF PCN-1
PROPELLER GEAR BOX, NOV. 12-14, 1974 (13 PP)
74-173-M224 DEC 74 RELEV 4

10-U08541

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) HYDROFOIL DEBRIS IMPACT HISTORY (3 PP)
LTR 3000/HYDRO HF-21 MAR 75 RELEV 7

10-U06336 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PRELIMINARY RESULTS OF PCN-1 PROPELLER GEAR BOX
STRAIN MEASUREMENTS DURING POST RAY CHECKOUT
(3/21/75) AND IN-AIR TESTS (3/15/75) (18 PP)
BUCKLEY, W.M.
75-173-M60 MAY 75 RELEV 4

10-U09822

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) NACELLE & FOIL SYSTEM BOLTS, REPLACEMENT OF (1
PP)

OCT 75 RELEV 4

75-173-M149

REMARKS: REF WTA 0618-75-013P

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
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2
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DOCUMENT
NUMBER

10-U07465 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) POSSIBLE INTERACTION BETWEEN PCH-1, MOD 1 AFT
FOIL SYSTEM VIBRATION MODE AND AUTOMATIC CONTROL
SYSTEM (8 PP)
BUCKLEY, W.
NOV 75 RELEV 4
MEMO 75-173-M164

10-U07468 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) REPORT OF VISIT TO BOEING REMON PLANT 10/28.
ATTENDANCE AT HYDROFOIL PROGRAM REVIEW 10/28 AND
10/29. AND VISIT TO NICKUM AND SPAULDING
ASSOCIATES 10/29 (4 PP)
BUCKLEY, W.
NOV 75 RELEV 4
LTR-75-173-M162
N00600-75-C-1107

10-U07436LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) REVIEW OF CONTRACTOR FATIGUE LOADS FOR UPPER END
OF PCH-1/PCH-3 FORWARD STRUT (16 PP)
BUCKLEY, W.
DEC 75 RELEV 4
MEMO 75-173-177

10-C01080LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I
TECHNICAL ASSESSMENT: HYDROFOIL VOL I & VOL II
(U)
JUNE 76 RELEV 1
TN-500-115-18
REMARKS: REF DB/NO 10-500168

10-U07725 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) UNSTEADY LOADS ON PCH-1 MOD-1 AFTER FOIL SYSTEM
(13 PP)
GILL, D.E.
JUNE 76 RELEV 4
76-173-M67

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DOCUMENT
NUMBER

10-U08465 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PCM-1 MOD-1 CALM WATER TRIALS DATA FOR
TRANSMITTAL TO BOEING FOR COMPARISON WITH SIMILAR
PHM-1 DATA (63 PP)

SEPT 76 RELEV 4

LTR-76-173-M125

REMARKS: DATA ON CALM WATER DEBRIS AVOIDANCE
MANEUVERS AND FORWARD FOIL BROACHES.

10-U08834 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) PCM-1 MOD-1 CALM WATER TRIALS DATA FOR
TRANSMITTAL TO BOEING FOR COMPARISON WITH SIMILAR
PHM-1 DATA (63 PP)

GILL, D.E. SEPT 76 RELEV 4

LTR-76-173-M125

REMARKS: REF TRIALS PLAN NN049-P294 (10-U07245)

10-U08605LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) BACKGROUND INFORMATION RELATIVE TO RECOMMENDED
SERVICE LIFE PLAN FOR PHM-3 CLASS HYDROFOIL SHIPS
AND IMPLICATIONS RELATIVE TO LONG TERM STRUCTURAL
INITIATIVES

BUCKLEY, W.M. NOV 76 RELEV 2

MEMO-76-173-M148

REMARKS: A GOOD REVIEW OF STRUCTURAL LESSONS LEARNED
AND A SUMMARY OF PHM-1 STRUCTURAL CRACKS.

10-U08868LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) RESULTS OF VISIT TO BOEING (MSD) 4/26-28 REVIEW
OF PHM-3 SERVICE LOADS & PCN-1 (MOD-1) KING POST
FATIGUE ANALYSIS (8 PP)

BUCKLEY, W.M. MAR 77 RELEV 4

LTR-77-173-M99

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10-U00390 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) IMPROVED SET OF PCN-1 MOD-1 FORWARD STRUT LOAD
CALIBRATION EQUATIONS (8 PP)
GILL, D.E.
MEMO 77-173-M174

AUG 77

RELEV 5

10-U09542 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) REVIEW OF FLIGHT SAFETY REQUIREMENTS FOR
STRUCTURAL INSTRUMENTATION ON PLAINVIEW (AGEH-1)
(119 PP)
YARNALL, P.
MEMO 77-173-M176

AUG 77

RELEV 4

10-U07230 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-AGEH-1 CALM WATER FOIL LOAD
CHARACTERISTICS-PART A (82 PP)
BEACH, J.E.
N4030-A227
REMARKS: NO REPORT

SEPT 78

RELEV 5

10-U02407

GRUMMAN AEROSPACE CORP.
(U) AGEH FLAP LIFT CONTROL SYSTEM STRESS ANALYSIS
APR 73

RELEV 4

RPT 718-901-4

N00406-72-C-0729

REMARKS: REF TRIALS PLAN HY087-A288 (10-U07156). A
VERY VOLUMINOUS REPORT (4 INCHES THICK)

10-U03851 M

MERBY (J. J.) CO., INC.
(U) FOUNDATION FOR HARPOON LAUNCHER ON PCN-M00
1-SCANTLING CALCULATIONS

JUNE 73

RELEV 4

J.O. # 1645-03

REMARKS: REF TRIALS PLAN N0045-P305 (10-U07243)

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AD-A102 138

WHEELER INDUSTRIES INC WASHINGTON D C
ADVANCED HYDROFOIL DEVELOPMENT TRIALS PROGRAM DOCUMENTATION REV--ETC(U)
OCT 78 N00600-75-D-0799

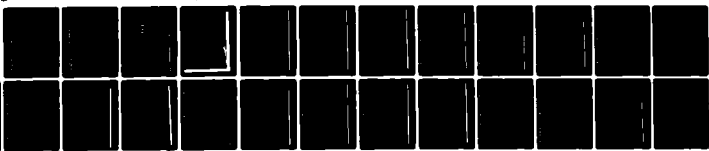
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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 16

SEARCH FOR
HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
STRUCTURAL

QUERY-PART NO. WNN011

OCT 17 1978

DOCUMENT
NUMBER

10-U05173 M

HENRY (J. J.) CO., INC.
(U) FOUNDATION FOR CANISTER LAUNCHER ON PCH-1
JUNE 73 RELEV 5
SKETCH NO 100-1
REMARKS: REF TRIALS PLAN NN045-P305 (10-U07243)

10-U02312LM

NAVAL UNDERSEA CENTER
(U) HYDROFOIL HIGH-SPEED TONED SYSTEM: TRIAL
EVALUATION PART II SYSTEM DESCRIPTION AND
OPERATIONAL CRITERIA
CALKINS, D.E.
FORD, L.A.
NUC TP 241: PART II
AD907566L
REMARKS: FOR ALL 5 PARTS SEE DB NOS. 10-U02314 THRU
10-U02318L. NSR DC LIBRARY U006367

10-U05493 M

PUGET SOUND NAVAL SHIPYARD
(U) USS HIGH POINT (PCH-1) STRUCTUREBORNE AND
AIRBORNE NOISE SURVEY
MAY 74 RELEV 2
T-10146
REMARKS: REF TRIALS PLAN NA034A-P301 (10-U07286)

10-U02023 M

SPAETGENS (T. W.)
(U) EVALUATION OF TORSIONAL VIBRATION CHARACTERISTICS
OF FOILBORNE PROPULSION SYSTEMS-HYDROFOIL
PLAINVIEW (AGEH-1)
SPAETGENS, T.W.
C1508-1
NO0406-72-C-0527
REMARKS: INTERIM REPT. SEE DB NO. 10-U03029

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 17

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
STRUCTURAL

QUERY-PART NO. MN011

OCT 17 1978

DOCUMENT
NUMBER

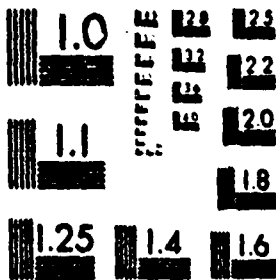
10-U02029 M

SPAETGENS (T. W.)
(U) PRELIMINARY ANALYSIS OF POSSIBLE SOLUTIONS TO
TORSIONAL, FLEXURAL AND LONGITUDINAL VIBRATION
PROBLEMS, IN FOILBORNE PROPULSION SYSTEMS:
HYDROFOIL "PLAINVIEW" (AGM-1)
SPAETGENS, T.W.
C1508-3
MAY 72 RELEV 4

N00406-72-C-0527

REMARKS: SEE DR NO. 10-U02023

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

HYDRODYNAMICS

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 1

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
HYDRODYNAMICS/HYDROELASTICITY

QUERY-PART NO. WNN012

OCT 17 1978

DOCUMENT
NUMBER

10-U02836 M

BOEING CO.
(U) DETERMINATION OF PCM-1 HULLBORNE SEAKEEPING
CHARACTERISTICS

FILE. D.F.
TN-P-19

NO0620-69-C-0618

REMARKS: EVALUATES EFFECTS OF ACTIVE CONTROL SYSTEM
AND FOIL POSITION ON HULLBORNE MOTIONS

10-U04822 M

BOEING CO.
(U) HYDROFOIL CRAFT STRUCTURAL CRITERIA-RELATED
EXPERIENCE

CONV. R.

1475-11, M.

447501, F.

D221-11000-2

NO0620-71-C-0556

REMARKS: FOR RECOMMENDATIONS FOR CRITERIA
DEVELOPMENT, SEE BOEING DOC. D221-11000-3
(DS NO. U0-4820) CURRENTLY UNDER NAVY REVIEW.

APR 72 RELEV 1

10-U01896 F

BOEING CO.
(U) STATUS OF SPRAY SHIELD EVALUATION AND
HYDRODYNAMIC OBSERVATIONS, INTERIM REPORT

FILE. D.

LTN-2-1506-1000-448

NO0620-69-C-0618

REMARKS: RE1 TRIALS PLAN MY078-A274 (10-U07148) NO
FINAL REPORT EVER RELEASED

AUG 72 RELEV 8

10-U06967 F

BOEING CO.
(U) TRIALS PLAN-AGCM-1 SIX DEGREE OF FREEDOM DIGITAL
SIMULATION OF THE FOILBORNE (6 PP)

JAN 73 RELEV 5

BE206-4285

REMARKS: REF RPTS 10-U05491

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
HYDRODYNAMICS/HYDROELASTICITY

QUERY-PART NO. WNN012 OCT 17 1978

DOCUMENT
NUMBER

10-U02444 M

BOEING CO.

(U) DIFFERENCES BETWEEN PREDICTED AND ACTUAL
DIRECTIONAL STABILITY AND PLAT TURNING

CHARACTERISTICS
MURKINSON, R.E.

RIED, D.F.
TN-A-11

JUNE 73 RELEV 2

NO0600-89-C-0618

REMARKS: REF TRIALS PLAN BE132A-A241 (10-U06824)

BOEING CO.

(U) EQUATIONS FOR AND RESULTS FROM THE DIGITAL
SIMULATION OF THE FOILBORNE AGEM-1

WAGGINS, P.J.

JAN 74 RELEV 4

UJ19-51500

NO0600-89-C-0618

REMARKS: REF TRIALS PLAN BE206-A285 (10-U06067)

10-U05491 M

BOEING CO.

(U) AGEM-1 PLAINVIEW, RESULTS OF PRE-ROUGH WATER
TRIALS, PART A

CHANG, F.

FEB 74 RELEV 4

TN-A-14

NO0600-89-C-0618

REMARKS: REF TRIALS PLAN BE152A-A273 (10-U06922)

10-U05037 M

BOEING CO.

(U) BOEING RECOMMENDED ITEMS FOR NSROC WORKSHOP (JUNE
1974)

JUNE 74 RELEV 5

10-U05489 F

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SHARP SEARCH RESULTS - ADVANCED SHIP - A BANK

SEARCH FOR PAGE 3

HYDROFOIL B AND D TRIALS DOCUMENTATION SUMMARY
HYDRODYNAMICS/HYDROELASTICITY

QUERY-PART NO. WNN012

OCT 17 1978

DOCUMENT
NUMBER

DOEING CO. 10-U05953

(U) ANALYSIS OF PEGASUS (PMB-1) AND HIGH POINT (PCM-1)
(U) WOD-1) FOIL CAVITATION AND CAMBER (38 PP)
OCT 76 RELEV 4

M-7520-7504-013
N00024-73-C-0257

REMARKS: REF TRIAL PLAN N0076-P334 (10-U09837)

BUNNER-RAMO CORP. 10-C00019L

(U) ACTIVE/PASSIVE RELIABLE ACOUSTIC PATH SONAR
(U) (APRAPS) ANALYSIS AND PREDICTION MODEL AND FINAL
TECHNICAL REPORT (U) (198 PP)
JUNE 77 RELEV 4

DOC NO S0039-7C9
N00024-76-C-6220

REMARKS: GOOD SUMMARY OF APRAPS DEVELOPMENT PROGRESS
TO DATE.

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07236 F

(U) TRIALS PLAN-AGEN-1 PRESSURE MEASUREMENTS (23 PP)
WILBA-MS. E.A. APR 72 RELEV 5

N0036A-A260

REMARKS: REF RPTS 10-S00137, 10-S00123, 10-C00978
AND 10-U05531

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U01230 M

(U) MEASUREMENT OF AGEN STRUT-FOIL AND NULL DYNAMIC
CHARACTERISTICS BY "PLUCK" TEST
PEOPLES, J.R. SEPT 72 RELEV 2

T&E-SAD-13E-1966

REMARKS: PROVIDES VERIFICATION OF ANALYTICAL AND
EXPERIMENTAL TECHNIQUES

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SEARCH FOR PAGE 4

HYDROFOIL W AND D TRIALS DOCUMENTATION SUMMARY
HYDRODYNAMICS/HYDROELASTICITY

QUERY-PART NO. WNN012

OCT 17 1978

DOCUMENT
NUMBER

10-U016411M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) HYDRODYNAMIC AND STRUCTURAL PARAMETERS FOR
T-FOILS ON SIX FULL-SCALE HYDROFOIL CRAFT
BESCH, P.A.
IN-SPD-246
REMARKS: PHM DATA OUT OF DATE AS OF 02/73

10-U07156 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) TRIALS PLAN-AGEN-1 FLAP CONTROL SYSTEM (8 PP)
APR 73 RELEV 5

MY087-A288
REMARKS: REF RPTS 10-U05061, 10-U05055, 10-U02390,
10-U02391 AND 10-U02307

10-U049961F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) RESULTS OF VISIT TO MYSTU, BOEING NAVAL SYSTEMS
DIVISION AND PRELIMINARY RESULTS OF PCH-1 MOD 1
CALM WATER STRUCTURAL TRIALS, FEBRUARY 20-26,
1974
BUCKLEY, W.M.
MAR 74 RELEV 5
MEMO CODE-173.3

10-U05046 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) ADEQUACY OF PCH-1 MOD 1 FORWARD STRUT DESIGN
LOADS
BUCKLEY, W.M.
APR 74 RELEV 2
MEMO 173:MMB, 74-173-M78
REMARKS: REF TRIALS PLAN NNO49-P294 (10-U07245)

10-U05120 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) FOIL FLAP WIPERS ON HIGH POINT, PCH-1 MOD 1
YARNALL, P.
APR 74 RELEV 4
74-173-M64

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
HYDRODYNAMICS/HYDROELASTICITY

QUERY-PART NO. WNN012 OCT 17 1978

DOCUMENT
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U05277 M

(U) USS PLAINVIEW (AGM-1) PRELIMINARY VIBRATION
STUDIES-REF TRIALS PLAN N0031-A231 (10-U07231)
SCHAUER, R.E. APR 74 RELEV 2

TAF-540-79E-1966

REMARKS: WELL DONE STUDY WHICH COMPARES FULL SCALE
AND ANALYTICAL PREDICTIONS FOR HULL AND FOIL
SYSTEM VIBRATIONAL CHARACTERISTICS AND STRUT
FLUTTER SPEEDS. COMPARISON WITH MIL STD 167B AND
HUMAN VIBRATION TOLERANCES LEVELS ARE ALSO MADE

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U05451 M

(U) HYDROELASTIC DESIGN OF SUBCAVITATING AND
CAVITATING HYDROFOIL STRUT SYSTEMS

BESCH, P.M.

LIU, Y. APR 74 RELEV 1

RPT-3257

AD780776

REMARKS: PRESENTS DESIGN PROCEDURES AND PARAMETRIC
TRENDS THAT CAN BE USED TO AVOID FLUTTER AND
DIVERGENCE IN HYDROFOIL STRUT-FLUTTER SYSTEMS. A
GOOD SUMMARY OF HYDROELASTIC RESEARCH THAT IS
APPLICABLE TO THE DESIGNER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U05645 M

(U) SUMMARY OF HYDROFOIL TRIALS PLANNING WORKSHOP
HELD JUNE 12-13 1974

SEPT 74 RELEV 4

LTR 115-DJC:9080 OF 18 SE

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07259 F

(U) TRIALS PLAN-PCH-1 FLAP EFFECTIVENESS-STATIC
DYNAMIC DURING MANEUVERS AND FOLLOWING BROACHING
(27 PP)

O'NEILL, M.C.

DEC 74 RELEV 5

N0065-329

REMARKS: NO REPORT RELEASED

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SHARP SEARCH RESULTS - ADVANCED SHI .TA BANK

SEARCH FOR PAGE 9

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
HYDRODYNAMICS/HYDROELASTICITY

QUERY-PART NO. WNN012

OCT 17 1978

DOCUMENT
NUMBER

10-U07468 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) REPORT OF VISIT TO BOEING REMCON PLANT 10/28.
ATTENDANCE AT HYDROFOIL PROGRAM REVIEW 10/28 AND
10/29. AND VISIT TO NICKUM AND SPAULDING
ASSOCIATES 10/29 (4 PP)
BUCKLEY, W.
LTR-75-173-M162
N00600-75-C-1107

NOV 75 RELEV 4

10-C01088LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART 1
TECHNICAL ASSESSMENT: HYDROFOIL VOL 1 & VOL 11
(U)

JUNE 76 RELEV 1

IN-SDD-115-18

REMARKS: REF DB/NO 10-S00168

10-U07725 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) UNSTEADY LOADS ON PCM-T MOD-1 AFTER FOIL SYSTEM
(13 PP)

GILL, D.E.
76-173-M67

JUNE 76 RELEV 4

10-U08621 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) REVIEW OF PCM-T FOIL SYSTEM VIBRATION INFORMATION
FOR USE IN PREPARATION OF VIBRATION SURVEY TRIALS
PLAN (48 PP)
YARNALL, P.
LTR-76-173-M102

AUG 76 RELEV 5

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HYDROFOIL K AND D TRIALS DOCUMENTATION SUMMARY
HYDRODYNAMICS/HYDROELASTICITY

QUERY-PART NO. WANO17

OCT 17 1978

DOCUMENT
NUYBLR

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U08465 M
(U) PCH-1 MOD-1 CALM WATER TRIALS DATA FOR
TRANSMITTAL TO BOEING FOR COMPARISON WITH SIMILAR
PCH-1 DATA (63 PP)

SEPT 76 RELEV 4

LTR-76-173-W125

REMARKS: DATA ON CALM WATER DEBRIS AVOIDANCE
MANEUVERS AND FORWARD FOIL BROACHES.

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U08834 M
(U) PCH-1 MOD-1 CALM WATER TRIALS DATA FOR
TRANSMITTAL TO BOEING FOR COMPARISON WITH SIMILAR
PCH-1 DATA (63 PP)

SEPT 76 RELEV 4

GILL, D.E.

LTR-76-173-W125

REMARKS: REF TRIALS PLAN NW049-P294 (10-U07245)

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U09837
(U) TRIALS PLAN-PCH-1 FORWARD FOIL CAVITATION
VERIFICATION TRIAL (INCLUDES AGENDA) (32 PP)

NOV 76 RELEV 5

NOV 76

REMARKS: RPT. DUE

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U09836
(U) TRIALS PLAN-PCH-1 HS1001 VDS TRIALS (HYTOM
PROJECT PLAN) (86 PP)

MAR 77 RELEV 5

HY103-P344

REMARKS: REPORT DUE(BOEING TO REPORT SHIPS
PERFORMANCE AGAINST WTA 1107-78-010P)

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
HYDRODYNAMICS/HYDROELASTICITY

QUERY-PART NO. ANN012

OCT 17 1978

DOCUMENT
NUMBER

10-U00835

DAVID W. TAYLOR NAVAL SHIP RMD CENTER
(U) TRIALS PLAN HYDROFOIL EXPERIMENTAL DETERMINATION
OF ARRAY SURVIVAL LOADS (8 PP) MAY 77 RELEV 5

NR074-M343

REMARKS: NO REPORT RELEASED

10-U05973LM

DEFENCE RESEARCH ESTABLISHMENT, ATLANTIC
(U) PREDICTION OF PITCH AND HEAVE MOTIONS OF
HULLCORNE HYDROFOIL VESSELS (63 PP) JAN 74 RELEV 2

DREA RPT-74/2

ADB002938

REMARKS: CORRELATION LOOK EXCELLENT IN HEAD SEAS.
CORRELATES AGEH MODEL TESTS, FME-400 FULL SCALE
DATA WITH COMPUTER PROGRAM

10-U02312 M

GRUMMAN AEROSPACE CORP.
(U) ANALYSIS OF AGEH) PROTOTYPE FORWARD FOIL LIFT
AND ELEMENT DATA FEB 73 RELEV 2
WRIGHT, M.R.
NOTE AG-13

REMARKS: A GOOD CRITIQUE AND ANALYSIS OF TRIAL DATA
AND COMPARED WITH MODEL AND THEORETICAL ANALYSIS.

10-U05127 M

MARINE TECHNOLOGY
(U) COMPUTER SUPPORT IN THE DESIGN AND TESTING OF
UNDERSEA TOWED SYSTEMS
BURROUGHS, J.D.
BENZ, R.C.
VOL 1, NO. 2, PP 159- 172 APR 74 RELEV 3

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
HYDRODYNAMICS/HYDROELASTICITY

QUERY-PART NO. WNN012

OCT 17 1978

DOCUMENT
NUMBER

10-U02314LM

NAVAL UNDERSEA CENTER
(U) HYDROFOIL HIGH-SPEED TONED SYSTEM: TRIAL

EVALUATION-PART I SUMMARY AND DATA
CALKINS, D.E. AUG 72 RELEV 2

NUC TP 241: PART I

AD907565L

REMARKS: FOR ALL 5 PARTS SEE DB NOS 10-U02314 THRU
10-U02318L. NSRDC LIBRARY NO U006367

10-U02315LM

NAVAL UNDERSEA CENTER
(U) HYDROFOIL HIGH-SPEED TONED SYSTEM: TRIAL

EVALUATION PART II SYSTEM DESCRIPTION AND
OPERATIONAL CRITIQUE

CALKINS, D.E.

FORD, L.A.

NUC TP 241: PART II

AD907566L

REMARKS: FOR ALL 5 PARTS SEE DB NOS. 10-U02314 THRU
10-U02318L. NSRDC LIBRARY U006367

10-U02316LM

NAVAL UNDERSEA CENTER
(U) HYDROFOIL HIGH-SPEED TONED SYSTEM: TRIAL

EVALUATION PART III: TONLINE HYDRODYNAMIC
PERFORMANCE

CALKINS, D.E.

NUC TP 241: PART III

AD907567L

REMARKS: FOR ALL 5 PARTS SEE DB NO. 10-U02314 THRU
10-U02318L. NSRDC LIBRARY NO. U006367

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
HYDRODYNAMICS/HYDROELASTICITY

QUERY-PART NO. WNN012

OCT 17 1978

DOCUMENT
NUMBER

10-U02317LM

NAVAL UNDERSEA CENTER

(U) HYDROFOIL HIGH-SPEED TOWED SYSTEM: TRIAL
EVALUATION PART IV: DEPRESSOR HYDRODYNAMIC

PERFORMANCE

CALKINS, D.E.

NUC TP 241: PART IV

AD907568L

AUG 72 RELEV 2

REMARKS: FOR ALL 5 PARTS SEE DB NOS. 10-U02314 THRU
10-U02318L. NSRDC LIBRARY NO. U008367

10-U02318LM

NAVAL UNDERSEA CENTER

(U) HYDROFOIL HIGH-SPEED TOWED SYSTEM: TRIAL

EVALUATION PART V: TOWED SYSTEM

COMPUTER-SIMULATION CORRELATION

CALKINS, D.E.

TUNSTALL, E.B.

BENZ, R.C.

NUC TP 241: PART V

AD907569L

AUG 72 RELEV 2

REMARKS: RPT ESTABLISHES VALIDITY OF DIGITAL AND
ANALOG TOWED-SYSTEM SIMULATIONS. SEE DB NOS
10-102314 THRU 10-102318L

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. WNN013

OCT 17 1978

DOCUMENT
NUMBER

10-U02836 M

BOEING CO.
(U) DETERMINATION OF PCN-1 HULLBORNE SEAKEEPING
CHARACTERISTICS

RIEL, D.P.
TN-P-19
FEB 72 RELEV 2

REMARKS: EVALUATES EFFECTS OF ACTIVE CONTROL SYSTEM
AND FOIL POSITION ON HULLBORNE MOTIONS

10-U04822 M

BOEING CO.
(U) HYDROFOIL CRAFT STRUCTURAL CRITERIA-RELATED
EXPERIENCE

COMB. R.
FRENCH, M.
WATSON, F.
D221-11000-2
APR 72 RELEV 1

REMARKS: FOR RECOMMENDATIONS FOR CRITERIA
DEVELOPMENT. SEE BOEING LOC. D221-11000-3
(108) NO. UO-4820 CURRENTLY UNDER NAVY REVIEW.

10-U02281 M

BOEING CO.
(U) SPEED AND POWERING TESTS WITH NEW TORQUE AND
THRUST METERS (PCN-MOD 0)

RELG, D.
LTR 2-1506-1000-685
AUG 72 RELEV 2

REMARKS: GOOD SUMMARY OF PCN-MOD 0 SMOOTH WATER
SPEED AND POWERING TESTS WITH VARIOUS PROPELLERS

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. BNN013

OCT 17 1978

DOCUMENT
NUMBER

10-U05476LM

BOEING CO.
(U) ANALYSIS OF THE RIDE QUALITY OF HYDROFOIL SHIP
PCM-1 HIGH POINT, AND CORRELATION OF MEASURED
RIDE PARAMETERS WITH ANALYTICAL PREDICTIONS
MARANO, A.O.

STAR, D.R.

LTR 2-1568-3000-075

NO0024-73-C-0257

REMARKS: MAKES COMPARISON OF VERTICAL AND LATERAL
ACCELERATIONS FOR PCM-MOD-0, PCM-MOD-1, PCM, PCM-
2 AND JETFOIL

FEB 73 RELEV 2

10-U01911 M

BOEING CO.
(U) PLAINVIEW SHIP MOTIONS AND ACS OPERATION
FOLLOWING THE STABBOARD FOIL INCIDENCE CONTROL
LI-NAGE FAILURE
COLEMAN, J.T.

IN-A-15

NO0600-69-C-0818

REMARKS: ALSO SEE NSROC MEMO, DB NO. 10-U2263

MAR 73 RELEV 2

10-U02444 M

BOEING CO.
(U) DIFFERENCES BETWEEN PREDICTED AND ACTUAL
DIRECTIONAL STABILITY AND FLAT TURNING
CHARACTERISTICS
TMCYASSON, R.E.

REG. D.F.

IN-A-11

NO0600-69-C-0818

REMARKS: REF TRIALS PLAN 8E132A-A241 (10-U06824)

JUNE 73 RELEV 2

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SWAMP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 3

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
NEW TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. UNNO13

OCT 17 1978

DOCUMENT
NUMBER

10-C00541 M

BOEING CO.

(U) AGEM-1 CURRENT SPEED-POWER CHARACTERISTIC DATA

(U)

REG. D.F.

LTR 2-1524-1000-1114

N00600-69-C-0618

REMARKS: REF TRIALS PLAN BE199A-A279 (10-U06961)

OCT 73 RELEV 2

BOEING CO.

(U) AGEM-1 ROUGH WATER SPEED-POWER DATA-TRIALS PLAN

BE199A-A279 (10-U06961)

REG. D.F.

LTR 2-1524-1000-1163

N00600-69-C-0618

REMARKS: CONTAIN SPEED, HP, PROP RPM AND TORQUE DATA
FOR SEA STATES 3 AND 4.

JAN 74 RELEV 2

10-U04887 M

BOEING CO.

(U) RESULTS OF ROUGH WATER TRIALS (PHASE 1)-TRIALS

PLAN BE 199A-A279 (10-U06961)

SHAKARIAN, A

COLEMAN, J.T.

1N-A-16

N00600-69-C-0618

REMARKS: CONTAIN ROUGH WATER DATA THRU SEA STATE 4
ONLY FULL-SCALE ROUGH WATER DATA TO DATE.

FEB 74 RELEV 2

10-U04888 M

BOEING CO.

(U) AFT FACELLE CRACKS, HIGH POINT (PCM-1), 1974-1975

RAY (J6 PP)

ROUND, D.M.

LTR 2-1524-1000-1448

N00600-75-R-5007

MAR 75 RELEV 2

10-U06245 M

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. WNW013

OCT 17 1978

DOCUMENT
NUMBER

10-U08973LM

BOEING CO.

(U) HYDROFOIL COATINGS LOG (34 PP)
WARTIN, D.W. SEPT 76 RELEV 3

D323-51306-1

N00167-76-9-8241

REMARKS: AN IMPORTANT SUMMARY OF THE HISTORY OF
COATING PERFORMANCE ON U. S. HYDROFOILS-HULL,
FOILS, STRUTS.

BOEING CO.

10-C0113LM

(U) HYDROFOIL RADIATED NOISE (U) (37 PP)
ALLEN, W. OCT 76 RELEV 3

D324-14004-1

REMARKS: INCLUDES REVIEW OF ALMOST ALL U. S.

HYDROFOIL ACOUSTIC RADIATED NOISE INFO.

BOLT BERANEK AND NEWMAN, INC.

10-C00384 M

(U) UNDERWATER RADIATED NOISE SIGNATURE OF HYDROFOIL
PLAINVIEW (AGEN-1) (U) TRIALS PLAN NWO39A-A267

(10-U07238)

COCOS, C.M.

RPT 2504

N00600-73-C-0468

AD598365

REMARKS: EXTENSIVE INVESTIGATION OF TECHNIQUES TO
MEASURE HIGH SPEED CRAFT SIGNATURE. 3-D BEAM
PATTERNS OF AGEN FOILBORNE AT 2 SPEEDS.

BOLT BERANEK AND NEWMAN, INC.

10-C00708

(U) HYDROFOIL HIGH POINT (PCM-1) RADIATED NOISE
SIGNATURE AND TACTICAL CONSIDERATIONS (U) (65 PP)

VILES, P.R.

COCOS, C.M.

TM-221

N00600-73-C-0468

REMARKS: REF TRIALS PLAN NWO59-P313 (10-U07253)

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. BNN013 OCT 17 1978

DOCUMENT
NUMBER

10-U02401LM

CHARLES STARK DRAPER LABORATORY
(U) HYDROFOIL UNIVERSAL DIGITAL AUTOPILOT
(MUDAP)-PHASE I FINAL REPORT

DOZAN, P.P.
GAUBER, F.S.
DECAISO, F.T.
RPT-745
JAN 73 RELEV 1
N00013-67-A-0204-0060
AD0003572

REMARKS: REF. TRIALS PLAN N0084-P328(10-U07258)

10-C00700 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) SUMMARY OF HYDROFOIL PARTICIPATION IN FLEET
EXERCISES (U)(15 PP)

RABEL, C.R.
JULY 72 RELEV 3
REMARKS: REF TRIALS PLAN NE206-P226 (10-U07188)

10-U02083 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) AIRBORNE NOISE ANALYSIS OF USS PLAINVIEW (AGEN-1)
AFTER INSTALLATION OF AIR INTAKE PLENUM ACOUSTIC
TREATMENT

ARGUO, L.J.
JULY 72 RELEV 2
LYR RPT 27-247
REMARKS: REF TRIALS PLAN HY074A-A242 (10-U07144)

10-U01230 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) MEASUREMENT OF AGEN STRUT-FOIL AND HULL DYNAMIC
CHARACTERISTICS BY "PLUCK" TEST
PEOPLES, J.R.
SEPT 72 RELEV 2
Y06-SAD-13E-1968

REMARKS: PROVIDES VERIFICATION OF ANALYTICAL AND
EXPERIMENTAL TECHNIQUES

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. WNW013 OCT 17 1978

DOCUMENT
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U01245 M

(U) FIRE-PROTECTION SYSTEM IN USS PLAINVIEW (AGEN-11)
GUSTAFSON, M.E. SEPT 72 RELEV 2

RPT-3594

AD763366
REMARKS: REF TRIALS PLAN NA020-A291 (10-U07274)

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U01441 M

(U) HYDRODYNAMIC AND STRUCTURAL PARAMETERS FOR
T-FOILS ON SIX FULL-SCALE HYDROFOIL CRAFT

GESCH, P.K. FEB 73 RELEV 3

IN-SPD-248

REMARKS: PHN DATA OUT OF DATE AS OF 02/73

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U02263 M

(U) FAILURE OF PLAINVIEW (AGEN-11) STARBOARD FOIL

INCIDENCE LINK, 11 DECEMBER 1972

VARNALL, P.

WAS 73 RELEV 2

WEO 73-173-M88

REMARKS: COMPREHENSIVE DESCRIPTION OF THE FAILURE

AND HULL IMPACT. SEE DB NO. 10-U01911

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U05875 M

(U) SERVICE EXPERIENCE OF STRUT AND FOIL DAMAGE ON

NAVY HYDROFOILS (3 PP)

PADEL, C.R.

WEO MF-114/ 9566-1 GEN

JUNE 73 RELEV 3

REMARKS: INFORMAL SUMMARY OF DEBRIS IMPACTS. NOT A

COMPREHENSIVE TREATMENT

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U05046 M

(U) ADEQUACY OF PCII-1 MOD 1 FORWARD STRUT DESIGN

LOADS

BUCKLEY, M.M.

APR 74 RELEV 2

WEO 173:WMB. 74-173-W78

REMARKS: REF TRIALS PLAN WNO49-P294 (10-U07245)

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HYDROFOIL R AND O TRIALS DOCUMENTATION SUMMARY
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. 000013

OCT 17 1978

DOCUMENT
NUMBER

10-U05277 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) USS PLAINVIEW (AGCM-11) PRELIMINARY VIBRATION
STUDIES-REF TRIALS PLAN N0031-A231 (10-U07231)
SCHAUER, R.E. APR 74 RELEV 2
T&E-SAD-79E-1968

REMARKS: WELL DONE STUDY WHICH COMPARES FULL SCALE
AND ANALYTICAL PREDICTIONS FOR HULL AND FOIL
SYSTEM VIBRATIONAL CHARACTERISTICS AND STRUT
FLUTTER SPEEDS. COMPARISON WITH MIL STD 1678 AND
NUVAN VIBRATION TOLERANCES LEVELS ARE ALSO MADE

10-U05451 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) HYDROELASTIC DESIGN OF SUBCAVITATING AND
CAVITATING HYDROFOIL STRUT SYSTEMS
BESCH, P.M. APR 74 RELEV 1
LIU, Y. RPT-4257
AD790776

REMARKS: PRESENTS DESIGN PROCEDURES AND PARAMETRIC
TRENDS THAT CAN BE USED TO AVOID FLUTTER AND
DIVERGENCE IN HYDROFOIL STRUT-FLUTTER SYSTEMS. A
GOOD SUMMARY OF HYDROELASTIC RESEARCH THAT IS
APPLICABLE TO THE DESIGNER

10-U05282 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) INSPECTION TRIP TO U. S. NAVY HYDROFOIL
PLAINVIEW (AGCM-1112-14 OCT 1973 (TRIP REPORT)
JOHNSON, W.S. JUNE 74 RELEV 2
LTR 74-173-99:173:WSJ

10-U05684LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) FATIGUE LOADS FOR PHM CONTROL LINKAGES (120 PP)
BUCKLEY, W.M. SEPT 74 RELEV 2
74-173-M187

REMARKS: LOADS ARE DERIVED FROM ANALYSIS OF PCH MOO-
1 TRIALS DATA

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. WNN013 OCT 17 1978

DOCUMENT
NUMBER

10-U08008LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) CHARACTERIZATION OF HYDROFOIL COATINGS ON THE
BASIS OF ADHESION STRENGTH & EROSION RESISTANCE

(80 PP)
BOHLANDER, G.S.
PREISER, H.S.
RPT-76-0048
AD8011563

APR 76 RELEV 2

10-C01088LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I
TECHNICAL ASSESSMENT: HYDROFOIL VOL 1 & VOL II

(U) JUNE 76 RELEV 1

IN-500-115-18
REMARKS: REF DB/NO 10-500168

10-500168L

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART II
TECHNICAL ASSESSMENT HYDROFOIL SHIP SIGNATURE
EVALUATION

AUG 76 RELEV 1

IN-500-115-19
REMARKS: SECRET SUPPLEMENT REF DB/NO. 10-C01088L.

10-U08605LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER
(U) BACKGROUND INFORMATION RELATIVE TO RECOMMENDED
SERVICE LIFE PLAN FOR PHN-3 CLASS HYDROFOIL SHIPS
AND IMPLICATIONS RELATIVE TO LONG TERM STRUCTURAL
INITIATIVES

NOV 76 RELEV 2

BUCKLEY, W.M.
RPT-76-173-M146
REMARKS: A GOOD REVIEW OF STRUCTURAL LESSONS LEARNED
AND A SUMMARY OF PHN-1 STRUCTURAL CRACKS.

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. 000013 OCT 17 1978

DOCUMENT
NUMBER

DEFENCE RESEARCH ESTABLISHMENT, ATLANTIC 10-U007081
(U) TITLE IS RESTRICTED MAR 73 RELEV 2
JONES, E.A.
DREA IN-M/73/3

DEFENCE RESEARCH ESTABLISHMENT, ATLANTIC 10-U059731M
(U) PREDICTION OF PITCH AND HEAVE MOTIONS OF
HULLBURNER HYDROFOIL VESSELS (183 PP)
JAN 74 RELEV 2
DREA RPT-74/2
AD8002938
REMARKS: CORRELATION LOOK EXCELLENT IN HEAD SEAS.
CORRELATES AGEM MODEL TESTS, FME-400 FULL SCALE
DATA WITH COMPUTER PROGRAM

GRUMMAN AEROSPACE CORP. 10-U02312 M
(U) ANALYSIS OF AGEM) PROTOTYPE FORWARD FOIL LIFT
AND MOMENT DATA FEB 73 RELEV 2
BRIGHT, M.R.
NOTE AG-13
REMARKS: A GOOD CRITIQUE AND ANALYSIS OF TRIAL DATA
AND COMPARED WITH MODEL AND THEORETICAL ANALYSIS.

GRUMMAN AEROSPACE CORP. 10-U02390 M
(U) DETAILED DESIGN OF AGEM) FORWARD FOIL FLAP
CONTROL SYSTEM APR 73 RELEV 3
RPT 710-901-6
N00406-72-C-0720
REMARKS: REF TRIALS PLAN NY087-A288 (10-U07156)

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 10

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. 000013

OCT 17 1978

DOCUMENT
NUMBER

JOHNS HOPKINS APPLIED PHYSICS LABORATORY 10-C00653

(U) ACUSTICAL MEASUREMENTS OF SURFACE EFFECT SHIP
(SES 100A AND SES 100B)(U)(125 PP)

HILL, F.K.

OSMAN, J.J.

SMALL, T.R.

RPT-ON-73-165

NO0017-72-C-4401

ADC000435

REMARKS: COMPARATIVE WATERBORNE NOISE DATA FROM PCH-

1. PCH-2, AGEN-1, PCH-1, DENISON, SRN-4, SES

100A, AND SES 100B RN-4.

APR 74 RELEV 2

WARE ISLAND NAVAL SHIPYARD 10-U02091 M

(U) HYDROFOIL COATINGS PROJECT USS HIGH POINT (PCH-1)

FOIL INSPECTIONS AND REFURBISHMENTS-SUMMARY

REPORT COVERING PERIOD 9/69-9/71

JUNE 72 RELEV 3

1N-134, S-71

REMARKS: REF TRIALS PLAN NA023-P182 (10-U07278)

MARINE TECHNOLOGY 10-U05127 M

(U) COMPUTER SUPPORT IN THE DESIGN AND TESTING OF

UNDERSEA TONED SYSTEMS

BURROUGHS, J.D.

BENZ, R.C.

VOL 11, NO. 2, PP 159- 172

APR 74 RELEV 3

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. WNN013

OCT 17 1978

DOCUMENT
NUMBER

10-500123

NAVAL COASTAL SYSTEMS LABORATORY
(U) PRESSURE SIGNATURE MEASUREMENTS OF THE HYDROFOIL
USS PLAINVIEW (AGEN-1)(U)(137 PP)
MILBANKS, E.A.
VAN BIBBER, V.M.
UGORAN, C.Y.
NCSL-190-73
AD527417
REMARKS: REF TRIALS PLAN NW036A-A260 (10-U07236)
DTNSRDC LIBRARY #S12,688

SEPT 73 RELEV 2

10-500137L

NAVAL COASTAL SYSTEMS LABORATORY
(U) INFLUENCE FIELDS OF THE HIGHPOINT PCH-1 (U)(58
PP)
VAN BIBBER, V.M.
MILBANKS, E.A.
NCSL 230-75
REMARKS: NSRDC LIBRARY #S 13856

JAN 75 RELEV 2

10-500137L

NAVAL ELECTRONICS LABORATORY CENTER
(U) HYDROFOIL SHIP SIGNATURE EVALUATION STUDY (U)
(102 PP)
EPSTEIN, R.R. 0232-519
NELC LTR SER 0232-519
REMARKS: REF TRIALS PLAN NW036A-A260 (10-U07236).
EXCELLENT REVIEW OF EXISTING HYDROFOIL SIGNATURE
INFO.

FEB 76 RELEV 3

10-C00343 M

NAVAL SHIP MISSILE SYSTEMS ENGINEERING STATION
(U) SEA SPARROW/HYDROFOIL COMPATIBILITY TEST REPORT
GROSS, T.A.
TR-276
REMARKS: REF TRIALS PLAN NW040A-A272 (10-U07239)

JUNE 73 RELEV 2

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. WNN013

OCT 17 1978

DOCUMENT
NUMBER

10-C01051LM

NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA
(U) RESULTS OF THE VERSATILE ELECTRO-OPTICAL SYSTEM
SHIPBOARD DEMONSTRATION ABOARD THE USS SAGINAW
(LST-1188) (U)

TONAR, J.M. MAY 76 RELEV 3

NSWC DL TR-3491

ADC006147

REMARKS: DESCRIBES AT-SEA-DEMONSTRATION OF (VEDS)
FOR AMPHIBIOUS AND FIRE CONTROL MISSIONS. SEE
HYDROFOIL TRIALS PLAN H1095-P314 (10-UC7163)

10-U02314LM

NAVAL UNDERSEA CENTER
(U) HYDROFOIL HIGH-SPEED TOWED SYSTEM: TRIAL
EVALUATION-PART I SUMMARY AND DATA
CALKINS, D.E. AUG 72 RELEV 2
NUC TP 241: PART I

AD907565L

REMARKS: FOR ALL 5 PARTS SEE DB NOS 10-U02314 THRU
10-U02318L. NSRDC LIBRARY NO U006367

10-U02318LM

NAVAL UNDERSEA CENTER
(U) HYDROFOIL HIGH-SPEED TOWED SYSTEM: TRIAL
EVALUATION PART II SYSTEM DESCRIPTION AND
OPERATIONAL CRITIQUE
CALKINS, D.E. AUG 72 RELEV 2
FORD, L.A. NUC TP 241: PART II

AD907566L

REMARKS: FOR ALL 5 PARTS SEE DB NOS. 10-U02314 THRU
10-U02318L. NSR DC LIBRARY U006367

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10-U02316LM

NAVAL UNDERSEA CENTER
(U) HYDROFOIL HIGH-SPEED TONED SYSTEM: TRIAL
EVALUATION PART III: TONLINE HYDRODYNAMIC
PERFORMANCE
CALKINS, D.E.
AUG 72 RELEV 2
NUC TP 241: PART III
AD907567L
REMARKS: FOR ALL 5 PARTS SEE DB NO. 10-U02314 THRU
10-U02318L. NSRDC LIBRARY NO. U006367

10-U02317LM

NAVAL UNDERSEA CENTER
(U) HYDROFOIL HIGH-SPEED TONED SYSTEM: TRIAL
EVALUATION PART IV: DEPRESSOR HYDRODYNAMIC
PERFORMANCE
CALKINS, D.E.
AUG 72 RELEV 2
NUC TP 241: PART IV
AD907568L
REMARKS: FOR ALL 5 PARTS SEE DB NOS. 10-U02314 THRU
10-U02318L. NSRDC LIBRARY NO. U006367

10-U02318LM

NAVAL UNDERSEA CENTER
(U) HYDROFOIL HIGH-SPEED TONED SYSTEM: TRIAL
EVALUATION PART V: TONED SYSTEM
COMPUTER-SIMULATION CORRELATION
CALKINS, D.E.
TUNSTALL, E.B.
BENZ, R.C.
AUG 72 RELEV 2
NUC TP 241: PART V
AD907569L
REMARKS: RPT ESTABLISHES VALIDITY OF DIGITAL AND
ANALOG TONED-SYSTEM SIMULATIONS. SEE DB NOS
10-102314 THRU 10-102318L

10-C00797

NAVAL UNDERWATER SYSTEMS CENTER
(U) PCM-1 TONED ARRAY SONAR SYSTEM HIGH SPEED TEST
RESULTS (U)144 PPI
O'NEILL, R.
JAN 75 RELEV 3
RPT SA14P-C24-75

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SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

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HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY
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QUERY-PART NO. WNN013

OCT 17 1970

DOCUMENT
NUMBER

10-U05493 M

PUGET SOUND NAVAL SHIPYARD
(U) USS HIGH POINT (PCH-1 MOD-1)-STRUCTUREBORNE AND
AIRBORNE NOISE SURVEY MAY 74 RELEV 2

T-10146

REMARKS: REF TRIALS PLAN NA034A-P301 (10-U07286)

10-U07463 M

U. S. COAST GUARD
(U) OPERATIONAL EVALUATIONS OF THE HYDROFOIL CONCEPT
FOR US COAST GUARD MISSIONS-EXECUTIVE SUMMARY (24
PPI)

EMMON, P.L.
WILLIAMS, R.E.
CG-D-14-76

DEC 75 RELEV 3

ADA022499

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