

NAVAL TORPEDO STATION KEYPORT COMMAND HISTORIES, 1975–1980

In the holdings of the
U.S. Naval Undersea Museum



1975
COMMAND HISTORY

Commanding Officer	Captain J. L. Carter	1 Jan - 26 Aug
Commanding Officer	Captain J. V. Smith	26 Aug - 31 Dec
Executive Officer	CDR R. D. Melim	1 Jan - 31 Dec
Technical Director	E. H. Lesinski	1 Jan - 31 Dec

End of year personnel ceilings:

Civilian:	
Permanent	2495
Temporary	63
Term	<u>37</u>
Total Civilian	2595

Military:	
Navy	
Officer	24
Enlisted	232
Marine	
Officer	6
Enlisted	<u>181</u>
Total Military	443

Total NAVTORPSTA Personnel - 3038

Following development by the University of Washington Applied Physics Laboratory, a production order for 300 expendable miniature mobile antisubmarine warfare Targets Mark 38 Mod 0 was received from NAVSEA in January. NAVTORPSTA completed and shipped the initial lot of 20 --on schedule-- in December. The miniature targets provide elementary open ocean training material for naval antisubmarine warfare units at considerably less cost than that resulting from employment of a submarine for the same purpose.

One of the major programs at NAVTORPSTA is the Torpedo Mark 46 Mod 1 improvement program. This program involves extensive modification to the torpedo computers and autopilots (which greatly enhance torpedo performance.) All outstanding ORDALTs and ECPs are installed and Class B maintenance is accomplished. The total quantity of torpedoes completed in 1975 for the Mark 46 Mod 0 improvement program was 1,522.

A major Class B maintenance program continues at NAVTORPSTA on the Torpedo Mark 46 Mod 1. Despite a major design problem with torpedo hydraulic accumulators, NAVTORPSTA was still able to meet the established schedule. The quantity of torpedoes completed this year was 347.

Part of the NAVTORPSTA function in support of assigned weapons systems is in the conversion of torpedoes and targets. The following listed units were completed:

Total conversions for the year:

<u>Torpedo Mk</u>	<u>From Mod</u>	<u>To Mod</u>	<u>Units Completed</u>
37	0	2	60
37	0	3	30

Torpedo Mark 48 proofing, functional item repair, depot, and engineering run program tasks continue to be major program efforts. A total 492 proofing, engineering, and Training and Certification Program torpedoes were ranged to meet NAVSEA requirements; 280 Torpedoes Mark 48 Mod 1 completed proofing and were shipped to the Fleet.

NAVTORPSTA Detachment Hawaii participated in a major Anti-Submarine Warfare US/Allied Forces exercise. RIMPAC 75 involved the United States (13 ships, 1 carrier, 3 submarines, and 1 UP squadron), Canada (3 ships), Australia (1 carrier, 2 ships, 1 submarine and 1 VP squadron), and New Zealand (1 ship and 1 VP squadron). During the 3 week period, 112 exercise torpedoes were employed. Detachment personnel participated in coordination and scheduling of exercise torpedoes, targets, and requirements for range tracking instrumentation.

Foreign sales exceeded \$7 million this year. Sales consisted of spare parts, exercise equipment, workshop equipment, and test sets for Spain, Greece, Iran, Taiwan, Israel, and Brazil.

Trident coordination effort at NAVTORPSTA continued. Major construction work at the Trident site was progressing.

Staggered work hours were initiated at NAVTORPSTA on 1 June 1975. Approximately one half of the Station personnel started work at 0715, with the remainder beginning at 0730. Quitting time was set at 1545 and 1600, respectively. The major benefit was increased employee morale by reducing the time required for entering and leaving the Station.

A new system of collecting production data was installed in July 1975 in the largest department at NAVTORPSTA. The Torpedo Operations Department received 53 pieces of equipment from the Data

Pathing Incorporated company for installation in the Source Data Automation Equipment (SDAE) system. Timely and accurate data were the main benefits gained from this new system.

A Guard Supervisor retired from NAVTORPSTA with 48 years 3 months of Federal Service. Wilbert J. Wolfe entered Federal Service on August 8, 1927 and retired November 8, 1975.

One of the new female Civil Engineer Corp naval officers, Ensign M. K. Tierney, reported aboard NAVTORPSTA Keyport in September. She filled a staff position in the Public Works Department.

A savings of \$2,008,000 resulted through validation of 40 studies for the NAVTORPSTA Value Engineering/Cost Reduction Program. This was 201 percent of the \$1,000,000 goal. One of the major contributions was the saving of \$582,000 for the repair of Torpedo Mark 46 propellers. Eight NAVTORPSTA employees received Certifications of Merit from the Department of the Navy for this savings.

The Station again curtailed operations for the year-end holiday season, December 25, 1975 through January 1, 1976. Inventories and maintenance not normally possible were conducted.

Visitors during 1975 included:

Mr. P. W. McDavitt, Special Assistant to the Assistant Secretary of the Navy

Mr. M. C. Hansen, COMNAVSEASYSKOM (SEA-06HB)

ADM Michaelis, Prospective CHNAVMAT

VADM R. L. J. Long, CNO (OP-02)

RADM C. Griffiths, COMSUBPAC

RADM D. G. Iselin, Vice Commander, NAVFACENGCOM

RADM I. W. Linder, Superintendent, Naval Postgraduate School

RADM J. C. Metzel, (PM-2)

RADM K. E. Wilson, COMNAVSEASYSKOM (SEA-92)

RADM L. W. Zech, Jr., Commandant Thirteenth Naval District

CAPT J. Anderson, COMNAVSEASYACOM (SEA-662)

CAPT R. E. Chidley, Trident System Project Management Office

CAPT R. L. Dise, COMNAVSEASYSKOM (SEA-06H)

CAPT R. H. Kattman, Department of Defense Explosives Safety Board

CAPT K. Loposer, NAVMAT (PM-2)

CAPT E. Peebles, COMNAVSEASYSKOM (PMS-396)

CAPT J. Spiller, Jr., COMNAVSEASYSKOM (PMS-407)

CAPT F. Wadsworth, CNO (OP-21)

CAPT W. Wicks, COMNAVSEASYSKOM (SEA-06H)

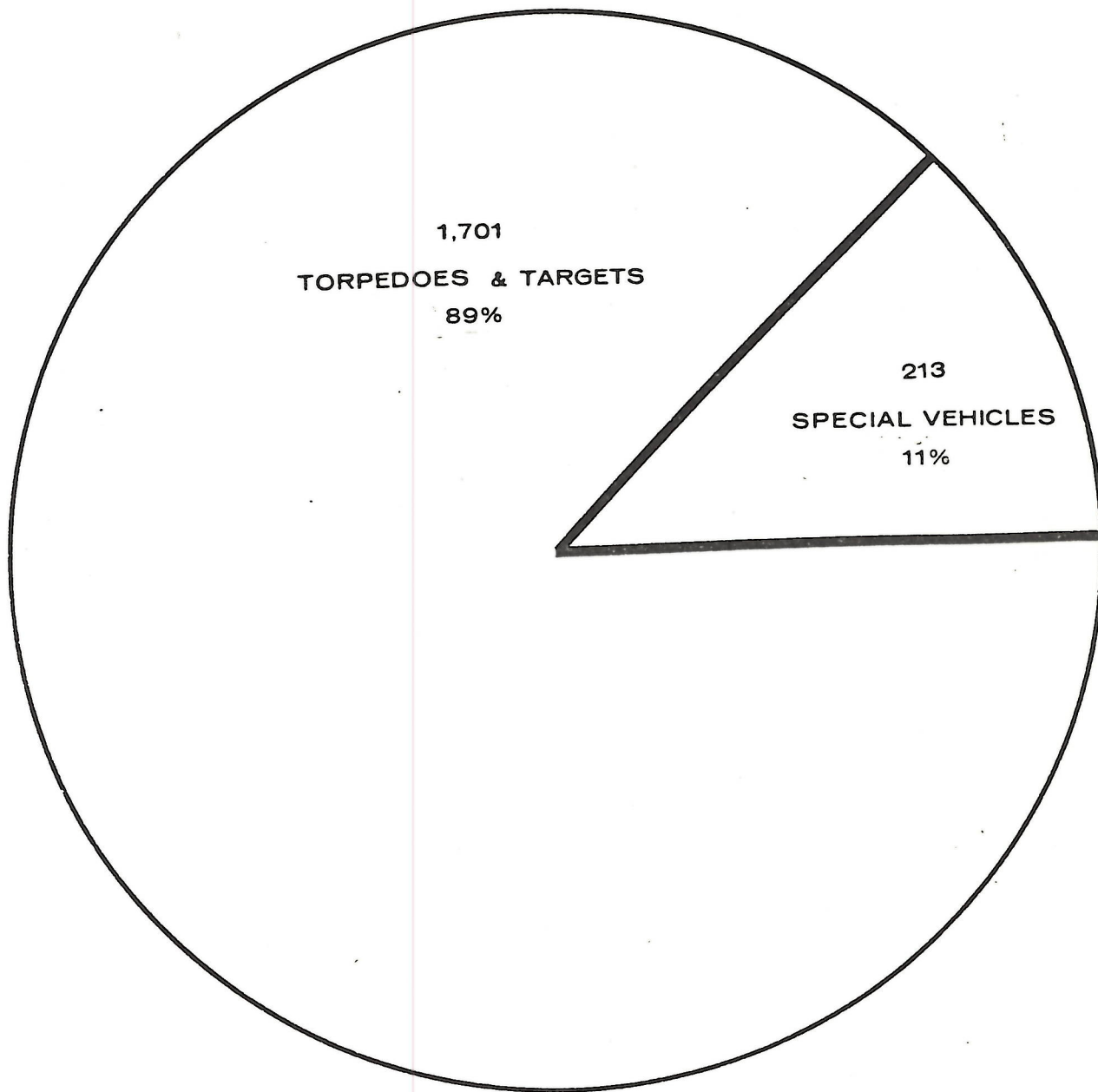
CAPT J. L. Woodbury, Jr., COMNAVSEASYSKOM (SEA-060)

CDR J. Florimond, French Navy

CDR G. D. Chaignon, French Navy

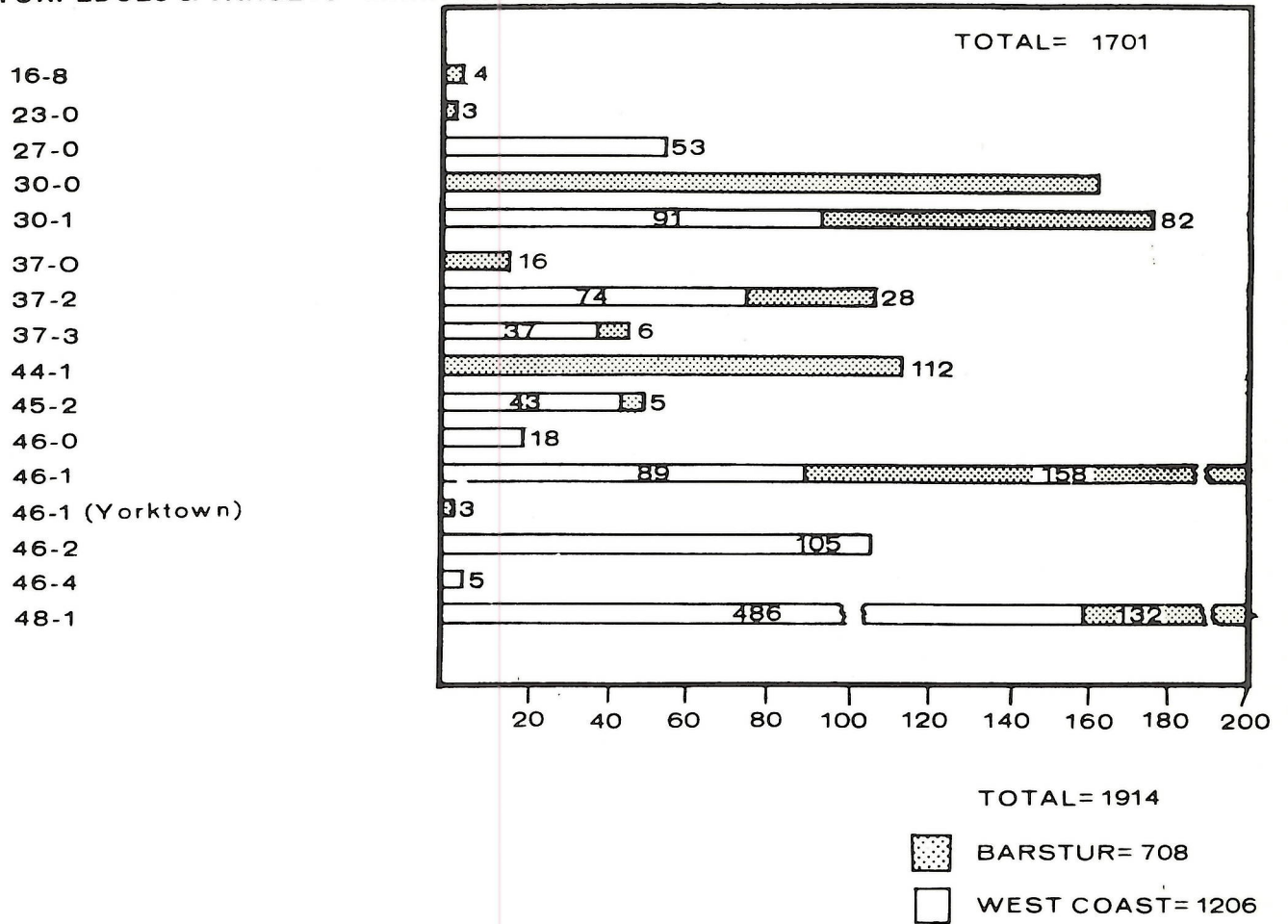
1975 RANGE RUNS

TOTAL = 1,914

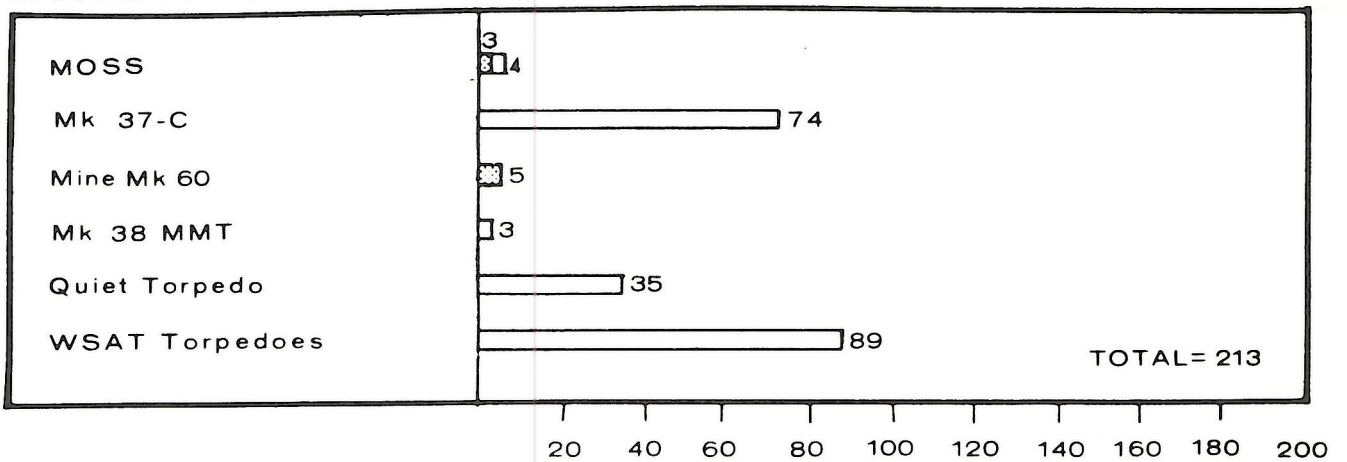


1975 RANGING

TORPEDOES & TARGETS --MARK and MOD



SPECIAL VEHICLES



1976
COMMAND HISTORY

Commanding Officer	Captain J. V. Smith, USN	1 Jan - 31 Dec
Executive Officer	CDR R. D. Melim, USN	1 Jan - 31 Dec
Technical Director	E. H. Lesinski	1 Jan - 31 Dec

End of year personnel strength:

CIVILIAN:

Permanent	2549
Temporary	84
Total Civilian	<u>2633</u>

MILITARY:

Navy	
Officer	24
Enlisted	<u>288</u>
Total Military	<u>312</u>

Total NAVTORPSTA Personnel - 2945

GENERAL INFORMATION:

Several organization changes occurred during 1976. NAVTORPSTA Keyport acquired two additional detachments outside the State of Washington. The Sensor Accuracy Check Site/Fleet Operational Readiness Accuracy Site (SACS/FORACS) function of the Naval Electronic Laboratory Center, San Diego was assumed and is operated as the San Diego Detachment of the NAVTORPSTA Proof, Test, and Evaluation Department. Management of Underwater mines was assumed from NAD Hawthorne and is operated as a Detachment of the NAVTORPSTA Weapons Department. A third detachment was established for conventional ammunition operations as the Bangor/Indian Island Detachment of the Weapons Department. A new department was planned this year; the "Industrial Support Group" to replace the Public Works Department. This department will be established when SUBASE Bangor assumes command of the Bangor Annex, 1 February 1977. The new NAVTORPSTA organization and civilian staffing payroll data is displayed in exhibits (1) through (3). The major portion of the coordination effort for the transfer of Bangor Annex to SUBASE Bangor was completed in 1976.

PROGRAM HIGHLIGHTS:

Torpedo Mark 48 proofing, functional item repair, depot, and engineering run program tasks continue to be the major program effort. A total of 483 Proofing, Engineering, and Training and Certification Program (TCP) torpedoes were ranged to meet NAVSEA requirements; 280 Torpedoes Mark 48 Mod 1 completed proofing and were shipped to the Fleet.

Enclosure (1)

Another of the major programs at NAVTORPSTA is the Torpedo Mark 46 Mod I Improvement Program. This program involves extensive modification to the torpedo computers and autopilots, which greatly enhance torpedo performance. All outstanding Ordnance Alterations (ORDALT) and Engineering Change Proposals (ECPs) are installed and Class B maintenance is accomplished during the Torpedo Mark 46 Mod I Performance Program. The total quantity of torpedoes completed in 1976 was 1,625. A major Class B maintenance program continues at NAVTORPSTA on the Torpedo Mark 46 Mod 0. The quantity of torpedoes completed this year was 223.

Foreign military sales included the conversion of 87 Mark 37 torpedo and 197 Mark 46 torpedoes in ready for issue condition.

The first order of 500 Miniature Mobile Targets Mark 38 was completed.

The Station began construction of a 4 foot diameter working model Multipurpose Antisubmarine-Warfare Production Simulator (MAPS), to assess the feasibility of using the simulator to test underwater weapons. The full size version is a 40 foot diameter spherical water tunnel capable of water speeds up to 60 knots, pressure variance from 0 feet to 4,000 feet and temperature extremes of 36 to 85 degrees Fahrenheit.

The first ten control panels, Mark 309 Mod 0, were produced and delivered to the U.S. Coast Guard. The control panel is an antisubmarine warfare fire control center for use in surface ships.

In April 1976, the U.S. and Canadian Governments implemented a second 10-year agreement for the continued operation and maintenance of the Nanoose Joint Torpedo Test Range in the Strait of Georgia. This agreement was renewed to support the modernization of range operating equipment by both governments and to provide a basis for planning the next decade of operations.

Barstur Range utilization increased significantly this year for Fleet support by providing ship tests, stepped up use of mobile targets and an increased number of special tests/projects.

Bottom Mounted Instrument System (BOMIS) was officially designated by NAVSEA as Simulator Target Torpedo Mark 69 Mod 0.

Bicentennial events included a poster contest sponsored by the National Association of Supervisors in which 480 local area students participated, the planting of 20 holly oaks on the waterfront of Keyport and the display of the American Flag on the exterior of many buildings.

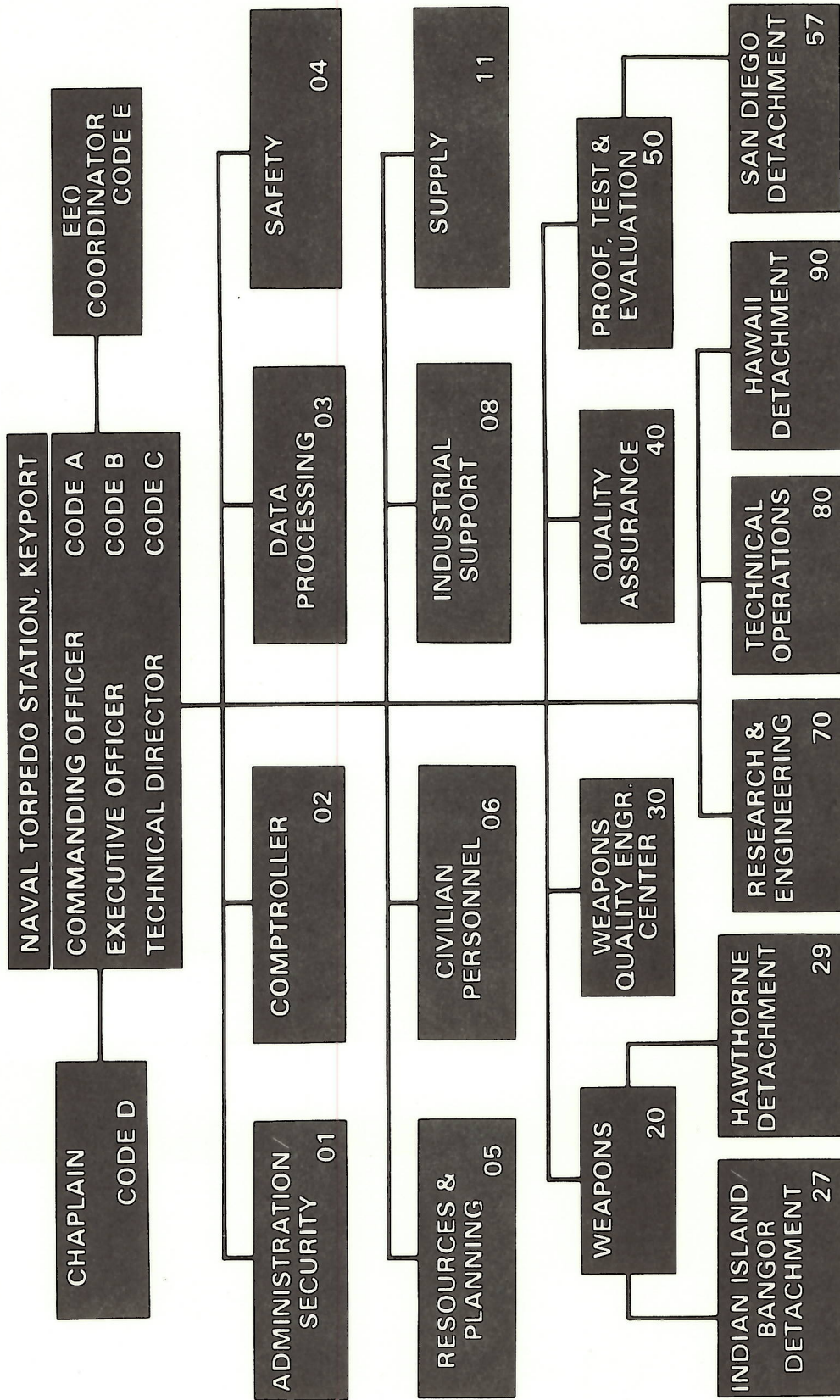
Fleet Support accomplishments and 1976 ranging efforts are highlighted in exhibits (4), (5), and (6).

Visitors during 1976 included:

Mr. W. Becker, Assistant Secretary of Defense
Mr. J. L. Bowers, Under Secretary of the Navy (Acting)
RADM W. Myers III, USN, COMNAVSEASYSKOM (SEA-06)
RADM J. V. Josephson, USN, Commander, Patrol Wings Pacific
RADM J. D. Murray, Jr., USN, Commandant Thirteenth Naval District
Mr. M. C. Hansen (SEA-06HB)
Mr. D. Jacobs (SEA-06L)
Mr. R. Jeske, CNO (OP-91)
CAPT J. G. Fletcher, USN, Director ILS Programs Branch (PM2-13)
CAPT W. F. Diehl, USN, Deputy Commander of Ammunition Directorate, (SEA-99)
CAPT R. Enos, USN (PMS-402)
CAPT J. H. Spiller, Jr., USN, Captor Program Manager (PMS-407)
CAPT F. H. Kela, S.C., USN, Commanding Officer, Naval Supply Center, Puget Sound
CAPT P. G. Fossum, USN, COMNAVSEASYSKOM (PMS-402D)
CAPT E. B. Rogers, Jr., USN, COMNAVSEASYSKOM (SEA-662)
CAPT G. Hull, USN, COMNAVSEASYSKOM (SEA-663)
CAPT W. L. Bohannon, USN, Commanding Officer, Naval Underwater Systems Center
LTGENERAL Sir R. Pain, United Kingdom
CAPT J. Waser, France
CDR J. F. Bonnand, France
LCDR H. Schuttz, Germany
LCDR R. Ebert, Germany



STATION ORGANIZATION





PERSONNEL SUMMARY

NAVTORPSTA KEYPORT

KEYPORT (HOME BASE) 19
 OFFICERS 244
 ENLISTED 2324
 CIVILIAN 272
 CONTRACTOR

BANGOR/INDIAN ISLAND (DETACHMENT)

OFFICERS 2
 ENLISTED 30
 CIVILIAN 90

HAWAII (DETACHMENT)

OFFICERS 1
 CIVILIAN 106
 CONTRACTOR 20

HAWTHORNE (DETACHMENT)

OFFICERS 1
 CIVILIAN 20

SAN DIEGO (DETACHMENT)

OFFICERS 1
 CIVILIAN 20
 CONTRACTOR 6

TOTAL 3156





PAYROLL SUMMARY (ANNUAL)

NAVTOPSTA KEYPORT

FY77

KEYPORT (HOME BASE)

MILITARY \$ 3,125,000
CIVILIAN 34,422,000
CONTRACTOR 5,440,000

BANGOR/INDIAN ISLAND (DETACHMENT)

MILITARY 356,000
CIVILIAN 1,054,000

HAWAII (DETACHMENT)

MILITARY 30,000
CIVILIAN 2,168,000
CONTRACTOR 400,000

HAWTHORNE (DETACHMENT)

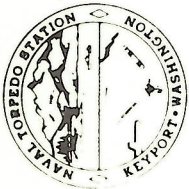
MILITARY 24,000
CIVILIAN 273,000

SAN DIEGO (DETACHMENT)

MILITARY -0-
CIVILIAN 395,000
CONTRACTOR 120,000

TOTAL \$47,802,000





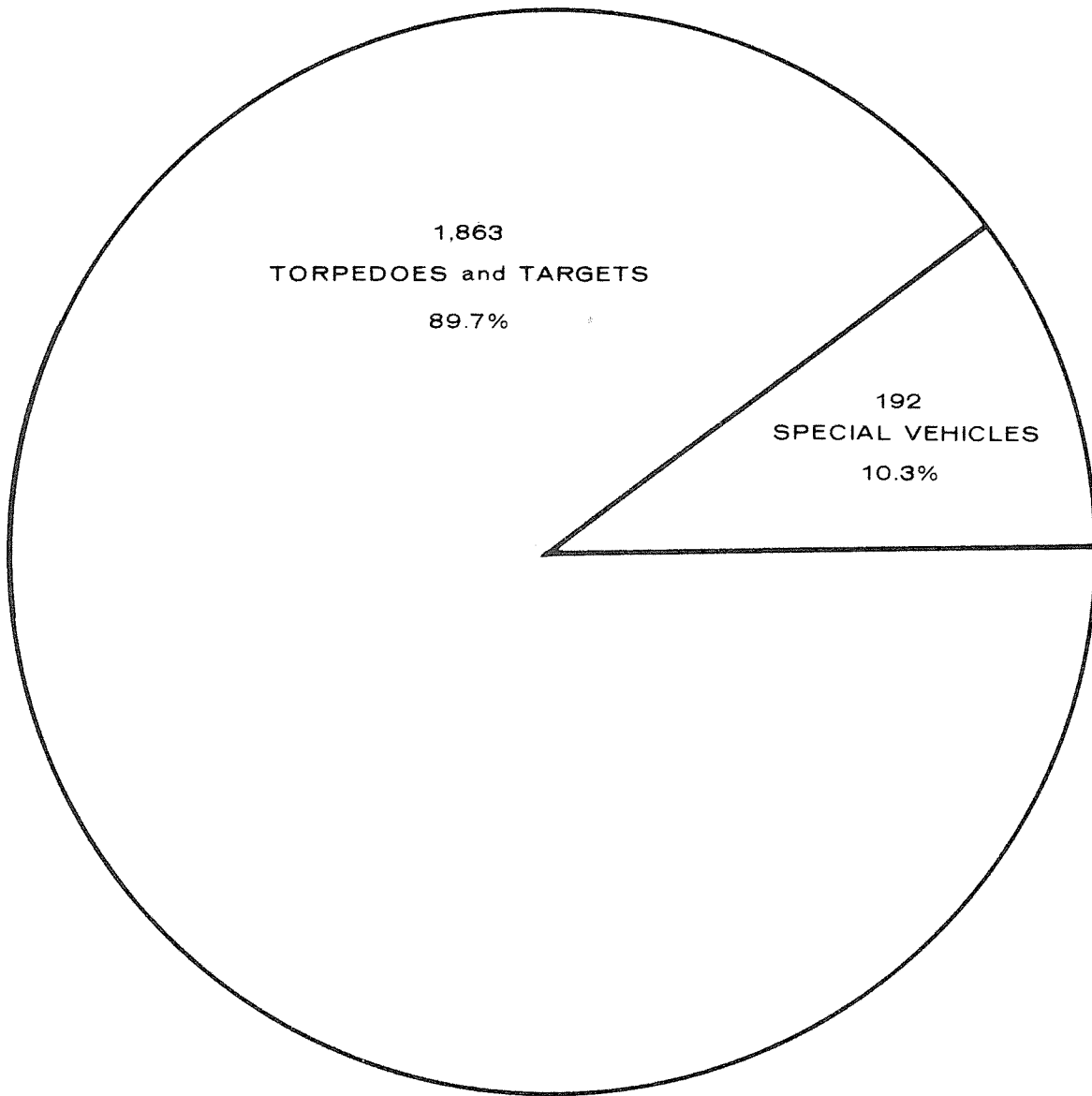
FLEET SUPPORT ACCOMPLISHMENTS — 1976

- PROOFED AND SHIPPED 279 WARSHOT TORPEDOES MK 48 TO THE FLEET
- CONVERTED, SAMPLE PROOFED AND SHIPPED 2571 WARSHOT TORPEDOES MK 46 TO THE FLEET
- REPAIRED, ORDALETED, CONVERTED AND SHIPPED 24,890 FIR UNITS AND ASW FIRE CONTROL MODULES TO THE FLEET
- COMPLETED 114 ASW SYSTEM TESTS ON PACIFIC FLEET SHIPS
- ESTABLISHED A DETACHMENT AT NAD HAWTHORNE FOR MINE MAINTENANCE
- ESTABLISHED A DETACHMENT AT SAN DIEGO FOR ASW TESTING
- AWARDED SYSTEMS CONTRACT TO PANAM FOR INTERIM TRIDENT BASE SUPPORT



1976 RANGE RUNS

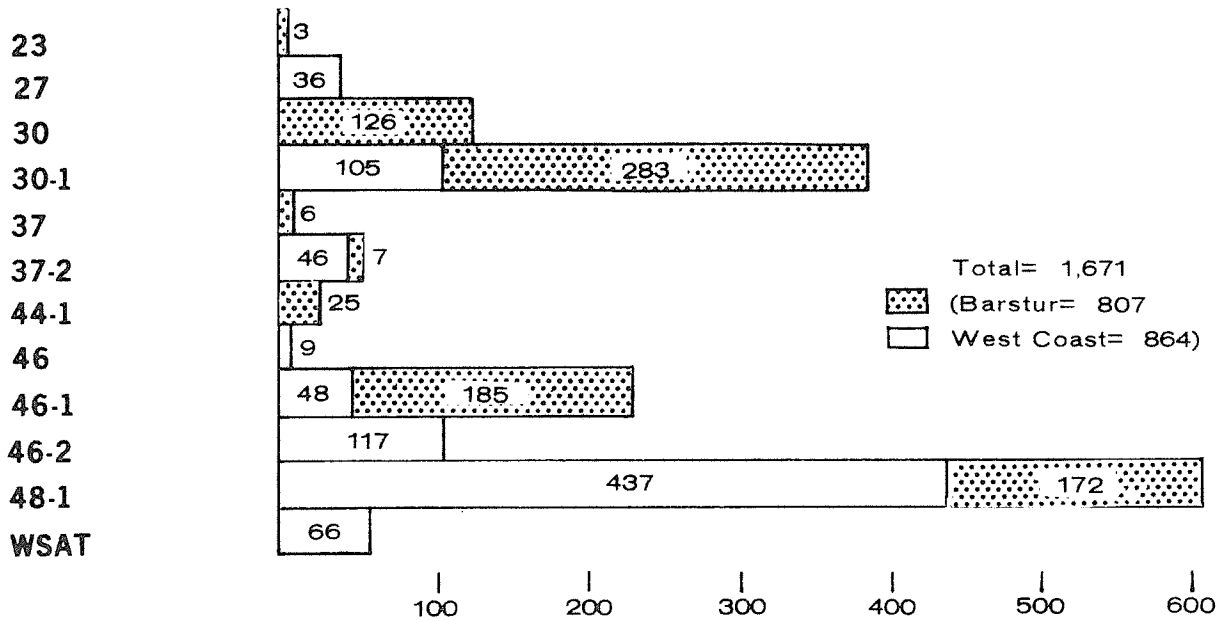
OVERALL TOTAL= 1,863 UNITS



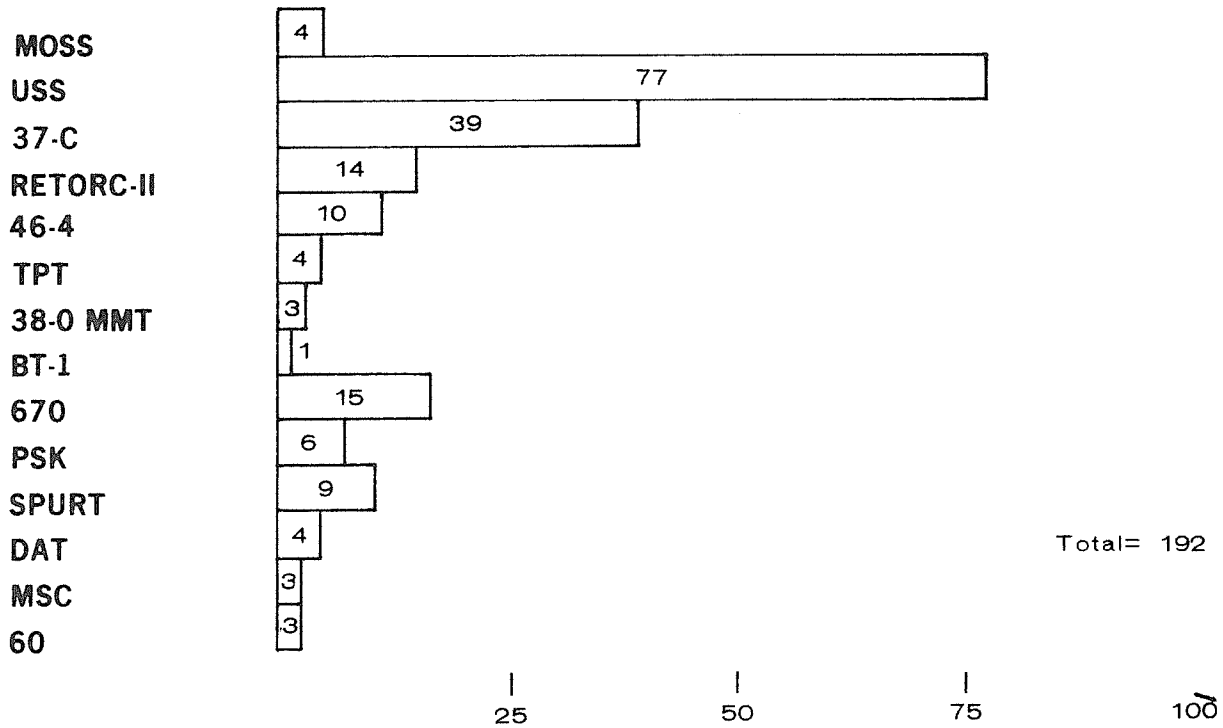
1976 RANGING

Overall total= 1,863 units

TORPEDOES & TARGETS --MARK and MOD



SPECIAL VEHICLES



1977
COMMAND HISTORY

Commanding Officer	Captain J. V. Smith, USN	1 Jan - 19 Apr
	Captain J. G. Fletcher, USN	19 Apr - 31 Dec
Executive Officer	CDR R. D. Melim, USN	1 Jan - 27 Jun
	CDR E. E. Schultz, USN	27 Jun - 31 Dec
Technical Director	E. H. Lesinski	1 Jan - 31 Dec

GENERAL INFORMATION:

Several organization changes occurred during 1977.

The Public Works Department was disestablished in February and a major portion of the function was transferred to SUBASE, Bangor. Keyport was authorized to retain an Industrial Support Group to perform time-critical support to the ranges and production shops.

In May the Torpedo Operations Support Division and the Torpedo Division, both in the Weapons Department were combined as the Torpedo Industrial Division. Approximately 840 personnel were involved in this consolidation. Workload shifts during recent years was the major reason for the change.

Another consolidation resulted from establishment of SUBASE Bangor when the Security Department was merged with the Administration Department. In July the security, fire protection, pass and I.D. and game management functions were transferred to the Administration Department.

Planning for the transfer of the conventional ammunition operations to Indian Island began this year. Major concerns at this time are the development of requirements for relocation of ammunition, personnel, and collateral equipment.

The current Station Organization is displayed on Exhibit 1 with Exhibits 2 and 3 showing the personnel summary and payroll summary respectively.

PROGRAM HIGHLIGHTS

The Mark 46 improvement program was completed in February. Eighteen thousand units were completed during the past 5 years. Peak employment was 85. In April the first Mark 46 Mod 5 Near Term Improvement Program (NEARTIP) was tested.

Visitors during 1977 included:

ADM T. Hayward, USN, CINCPACFLT

VADM C. R. Bryan, USN, Commander, NAVSEASYSKOM

RADM R. H. Blount, USN, National Leader, United States Technical
Cooperation Program Group

RADM W. J. Cowhill, USN, COMSUBPAC

RADM D. P. Hall, USN, PM-2

RADM J. G. Metzger, USN, PM-2

RADM J. D. Murry, Jr., USN, COMTHIRTEENTH Naval District

RADM R. W. Watkins, USN, Defense Logistics Agency

CAPT J. L. Dick, USN, Alsuna

CAPT Gilchrist, USN, Undersea Warfare Director, (SEA-06H)

CAPT C. L. Horowitz, USN, (SEA-06N)

CAPT J. E. Jobe, USN, Head Undersea Warfare Technology Department,
NISC, Code 20

CAPT J. G. McGarry, USN, COMNAVSEASYSKOM (PMS-402)

CAPT R. G. Moore, USN, Commanding Officer, U.S.C.G. Polar Star

CAPT R. A. Mozier, USN, Director, Surface Systems Subgroup,
NAVSEASYSKOM (SEA-04J1)

CAPT C. K. Naylor, USN, Director, Mine Special Warfare and EOD Subgroup

CAPT R. E. Pitkin, USN, NAVSEASYSKOM (SEA-01D)

CAPT J. Spiller, Jr., USN, CAPTOR Project Manager

CAPT P. G. White, USN, Project Manager, Advanced Lightweight Torpedo

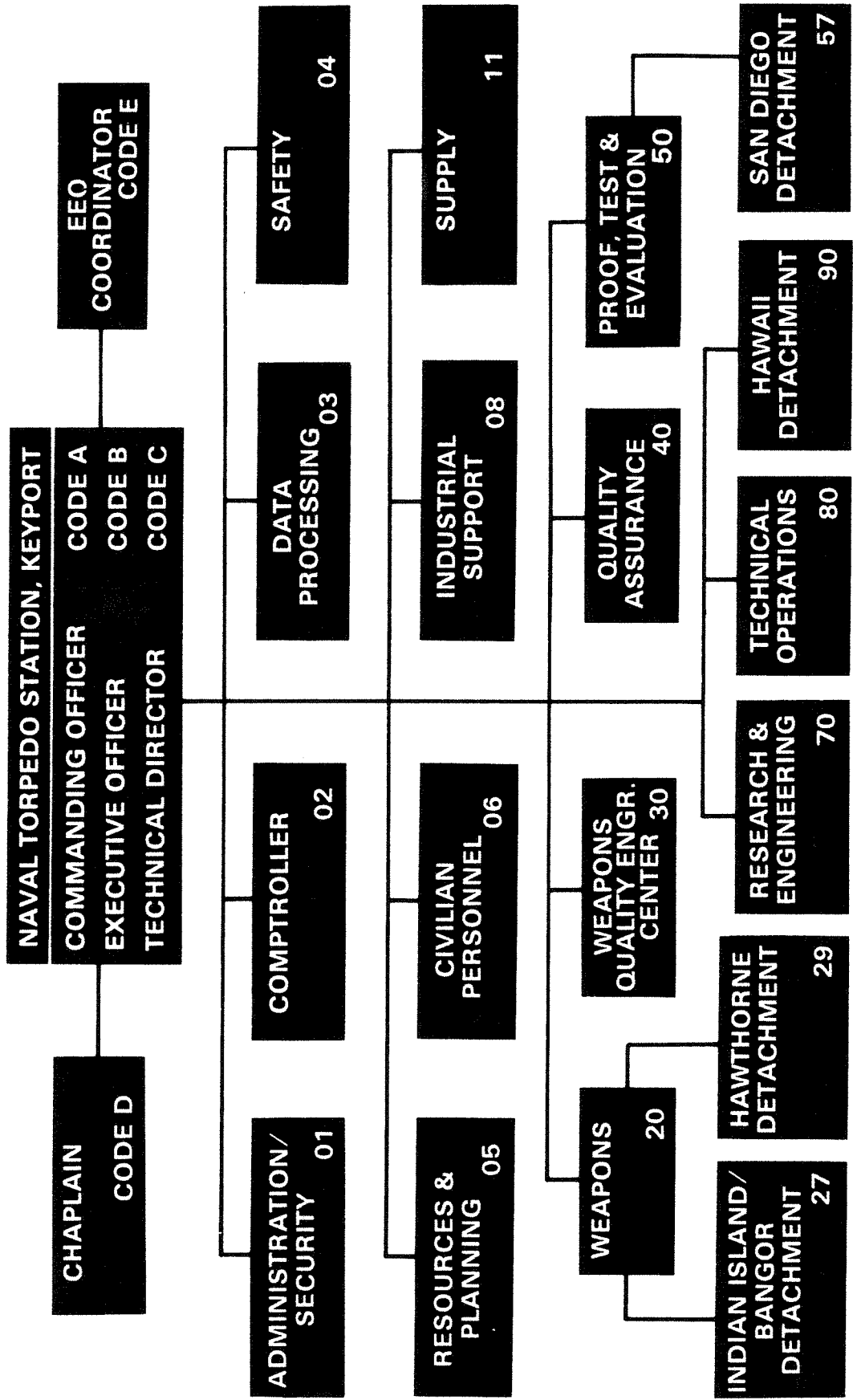
CAPT J. M. P. Wright, USN, NAVSEASYSKOM (SEA-04J1)

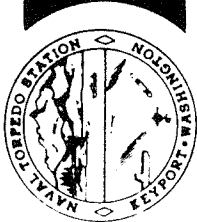
Mr. A. E. Bjerhe, Goodyear Aerospace Corp.

Mr. J. Crupi, Director of Ordnance Programs for the Assistant Secretary
of Navy Manpower Reserve Affairs and Logistics



STATION ORGANIZATION





PERSONNEL SUMMARY

NAVTORPSTA KEYPORT (FY-78)

KEYPORT (HOME BASE)	
OFFICERS	19
ENLISTED	237
CIVILIAN	2323
CONTRACTOR	363
BANGOR/INDIAN ISLAND (DETACHMENT)	
OFFICERS	2
ENLISTED	30
CIVILIAN	90
HAWAII (DETACHMENT)	
OFFICERS	1
CIVILIAN	107
CONTRACTOR	27
HAWTHORNE (DETACHMENT)	
OFFICERS	1
CIVILIAN	17
SAN DIEGO (DETACHMENT)	
OFFICERS	1
CIVILIAN	20
CONTRACTOR	6
	TOTAL 3244



PAYROLL SUMMARY (ANNUAL)

NAVTPRSTA KEYPORT (FY-78)

KEYPORT (HOME BASE)	
MILITARY	\$ 3,010,000
CIVILIAN	47,926,000
CONTRACTOR	7,607,000
BANGOR/INDIAN ISLAND (DETACHMENT)	
MILITARY	403,000
CIVILIAN	1,385,000
HAWAII (DETACHMENT)	
MILITARY	32,000
CIVILIAN	3,278,000
CONTRACTOR	566,000
HAWTHORNE (DETACHMENT)	
MILITARY	27,000
CIVILIAN	345,000
SAN DIEGO (DETACHMENT)	
MILITARY	27,000
CIVILIAN	657,000
CONTRACTOR	126,000
	TOTAL \$65,389,000



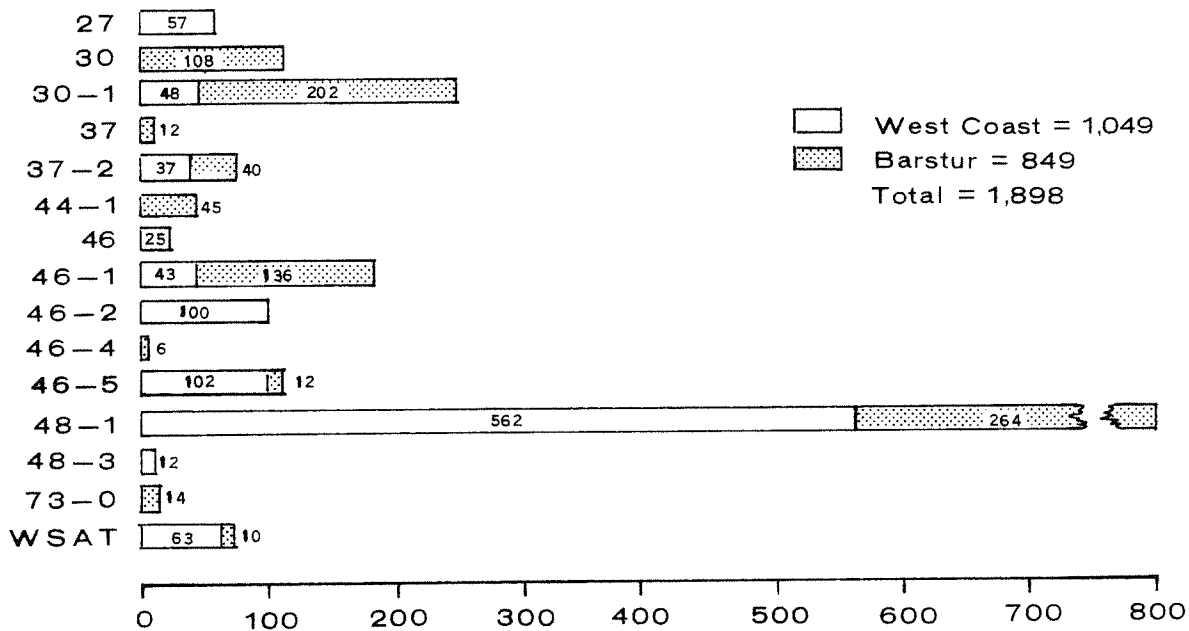
FLEET CONTACT

TYPE	1977	1978	PURPOSE/FUNCTION
	(ACTUAL)	(PLANNED)	
SUBMARINES	58	63	WSAT/TCP/ PROF/COTS/ FORACS
SURFACE SHIPS	104	113	WSAT/ FORACS/SACS
TENDERS	4	3	TORPEDO SURVEILLANCE
FLEET COMMANDS NAS/NAD/NAV MAG	12	19	TORPEDO/ BOMB FUZE SURVEILLANCE
NAVAL COMBATANTS AND OTHERS	63	63	AMMO LOAD/ OFF-LOAD

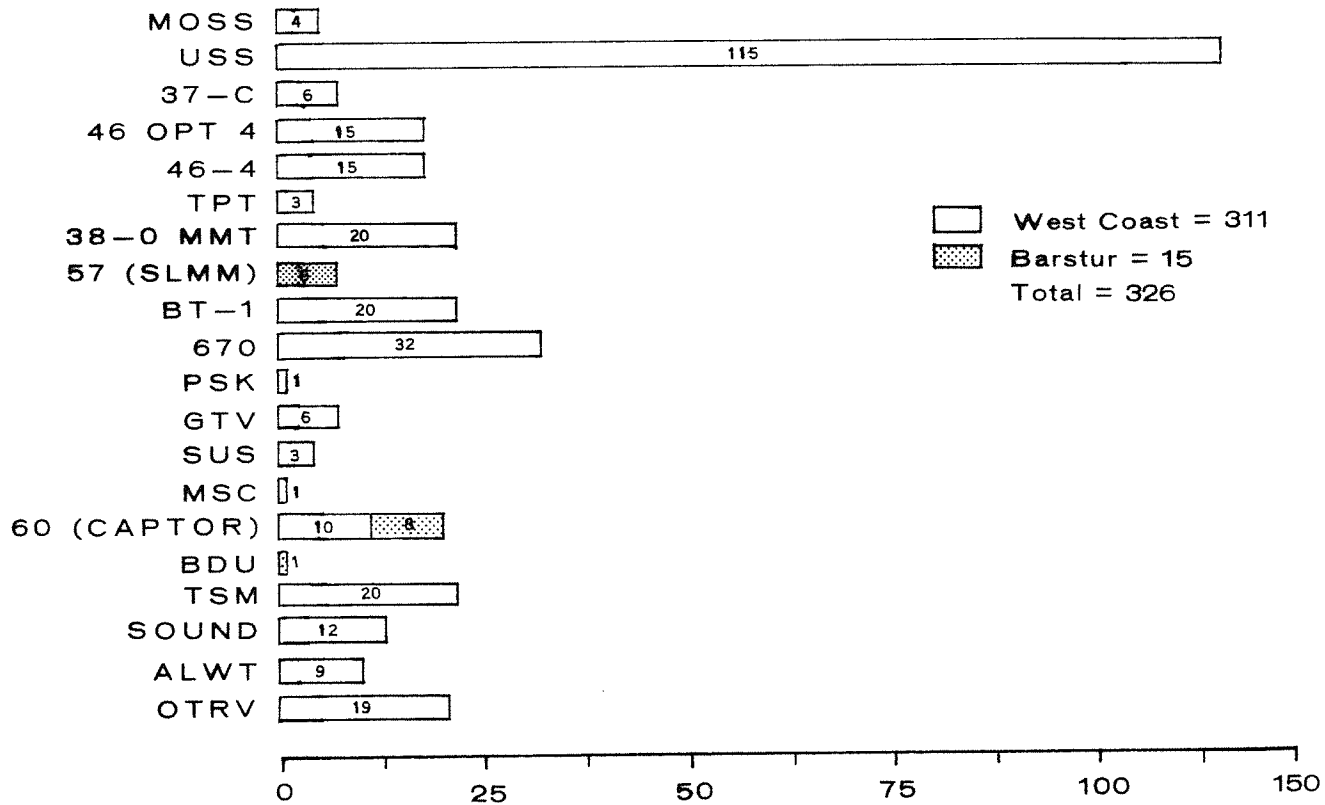
1977 RANGING

Overall Total: 2,224

Torpedoes and Targets -Mark and Mod:



Special Vehicles:



COMMAND HISTORY 1979

Commanding Officer	Captain J. G. Fletcher, USN	1 Jan - 31 Dec
Executive Officer	CDR E. E. Schultz, USN	1 Jan - 31 Dec
Technical Director	Mr. E. H. Lesinski	1 Jan - 31 Dec

General Information

The ammunition handling pier and associated waterfront facilities were completed on 7 May 1979 at Indian Island. The pier has been under construction for 2 years and is large enough to accommodate an aircraft carrier and cruiser simultaneously. This was the major project required to relocate the conventional ordnance functions from Bangor to Indian Island.

A new underwater range has been installed on the Western Washington Coast. The range, known as the Quinault Underwater Tracking Range is in support of the Advance Lightweight Torpedo project.

The new Balboa facility to support the SOCAL Detachment was opened in December.

Emphasis on energy conservation has enabled the Station to reduce its energy consumption in 1979 by 16.1 percent, over the 1975 baseline.

(Exhibit 1 shows the revised Station organization chart, exhibit 2 is the personnel breakdown and exhibit 3 shows personnel payroll information.)

Program Highlights

NUWES hosted and participated in the ALWT Source Selection Evaluation Board and the ALWT Industrial Symposium. An ALWT countermeasure (CM) study report was prepared and development of a new range CM system commenced. Our range, data reduction capability, facilities and coordination support were provided for the Technology Assessment Phase.

NUWES was designated by NAVSEA-041 as the depot for the Sonar AN/SQS-23 during July 1979.

A major milestone was reached with the ranging of SWART, when the first live firing was successfully made on the Keyport Shallow Water Range. It marked the addition of a shallow water tracking range to the Station's test capabilities. A newly developed Spaced-Frequency-Shift-Keying (SFSK) coded tracking technique was used which will eventually allow tracking of multiple objects in a countermeasure or high-noise environment, along with acoustic telemetry in waters as shallow as 60 feet.

The Post Operational Analysis Critique and Exercise Reviews (PACER) program has gained momentum during 1979. The program critique available within 3 days after completion of the ASW exercise, is provided on board the firing ship and consists of a narrated, pre-edited and time compressed video replay of 3-D range tracking data merged with data.

(NUWES major accomplishments for the year 1979 are displayed in exhibit 4.)

1979 VISITORS - USN OFFICERS

RADM T. J. Allshouse, SC	SPCC	January 16
RADM F. F. Manganaro	NAVSEA	March 15
RADM D. P. Hall	NAVSEA	April 11
RADM C. B. Smith, SC	COMNAVLOGPAC	April 17
RADM J. L. Flores, SC	NAVSUP	June 5
RADM A. A. Giordano, SC	DEPUTY CHIEF OF NAVAL OPERT.	June 8
RADM P. L. Lacy	RETIRED	July 19 - 20
RADM W. A. Williams III	13th NAVAL DISTRICT	September 7
RADM D. M. Jackson	NAVSEA	November 13 - 15
CAPT L. R. Evans, SC	SPCC	January 16
CAPT W. E. Lindsay, SC	NSCPS	January 16
CAPT D. Parrish	MASWPO	April 9
CAPT D. Greenhoe	OPNAV	April 10
CAPT D. S. Cooper	OPNAV	May 2
CAPT E. M. Peebles	NAVSEA	May 3 - 4
CAPT J. G. McGarry	NAVSEA	May 15 - 16, June 13 - 14
CAPT R. H. Loyd	LONG BEACH NAVAL SHIPYARD	May 25
CAPT R. A. Mozier	NAVSEA	June 7 - 8
CAPT R. H. Seales	NAVSEA	June 13 - 14
CAPT J. F. Fox	NAVSEA	July 19
CAPT J. M. P. Wright Jr.	NAVSEA	August 16
CAPT J. D. Elliott	DEPCOMOPTEVFORPAC	November 28 - 29
CAPT R. R. Bechtelheimer	NAVAUDSVCWEST	December 18

1979 VISITORS - CIVILIAN

Mr. F. Gaffney	Asst. to Senator Henry Jackson	February 14
Mr. H. Kaul	Kitsap Peninsula Vocational Skills Ctr.	February 22
Mr. H. B. Latimer	NAVSEA	March 12 - 14
Mr. H. Williams	PM-4	March 12 - 16
Mr. P. Ryan	KOMO TV Channel 4 Seattle	March 15
Mr. J. Prebula	NAVSEA	April 20
Mr. S. Landau	The Bremerton Sun	May 1
Mr. G. Gisley	The Bremerton Sun	May 1
Mr. N. R. Delaplane	NAVSEA	May 3 - 4
Mr. J. A. White	OPNAV	May 4
Mr. R. Morss	NAVSEA	May 29 - 31
Mr. F. Tatman	NAVSEA	May 29 - 31
Mr. M. Hansen	CONSULTANT	July 18 - 20
Mr. J. Antinucci	NAVSEA	August 13
Mr. R. Butler	NPC	September 17 - 18
Dr. W. M. Tolles	NAVAL POST GRADUATE SCHOOL	November 16
Dr. J. R. Borsting	NAVAL POST GRADUATE SCHOOL	November 16
Mr. R. E. Furstenthal	NAVAUDSVCWEST	December 18

1979 VISITORS - INTERNATIONAL

Dr. Kim Yong Su	REPUBLIC OF KOREA	February 27
Dr. Seo Jung Uck	REPUBLIC OF KOREA	March 10
Mr. Kim Ui Hyong	REPUBLIC OF KOREA	
Mr. Kim Chong Sik	REPUBLIC OF KOREA	
Mr. Kim Jae Jin	REPUBLIC OF KOREA	
Mr. Cho Kwang Yeon	REPUBLIC OF KOREA	
Mr. O. P. Sutcliffe	AUSTRALIA	May 17 - 23
Dr. W. Henning	FEDERAL REPUBLIC OF WEST GERMANY	May 17 - 23
CAPT Hak Soo Yim	REPUBLIC OF KOREA	July 9 - 12
Mr. Brekke	NORWAY	August
Mr. J. Baugh	UNITED KINGDOM	October 5
Mr. T. Harston	UNITED KINGDOM	October 5
CAPT P. S. Richardson	AUSTRALIA	November 26 - 27
Mr. G. Taylor	AUSTRALIA	November 26 - 27
Mr. J. Fitzgerald	AUSTRALIA	November 26 - 27



STATION ORGANIZATION

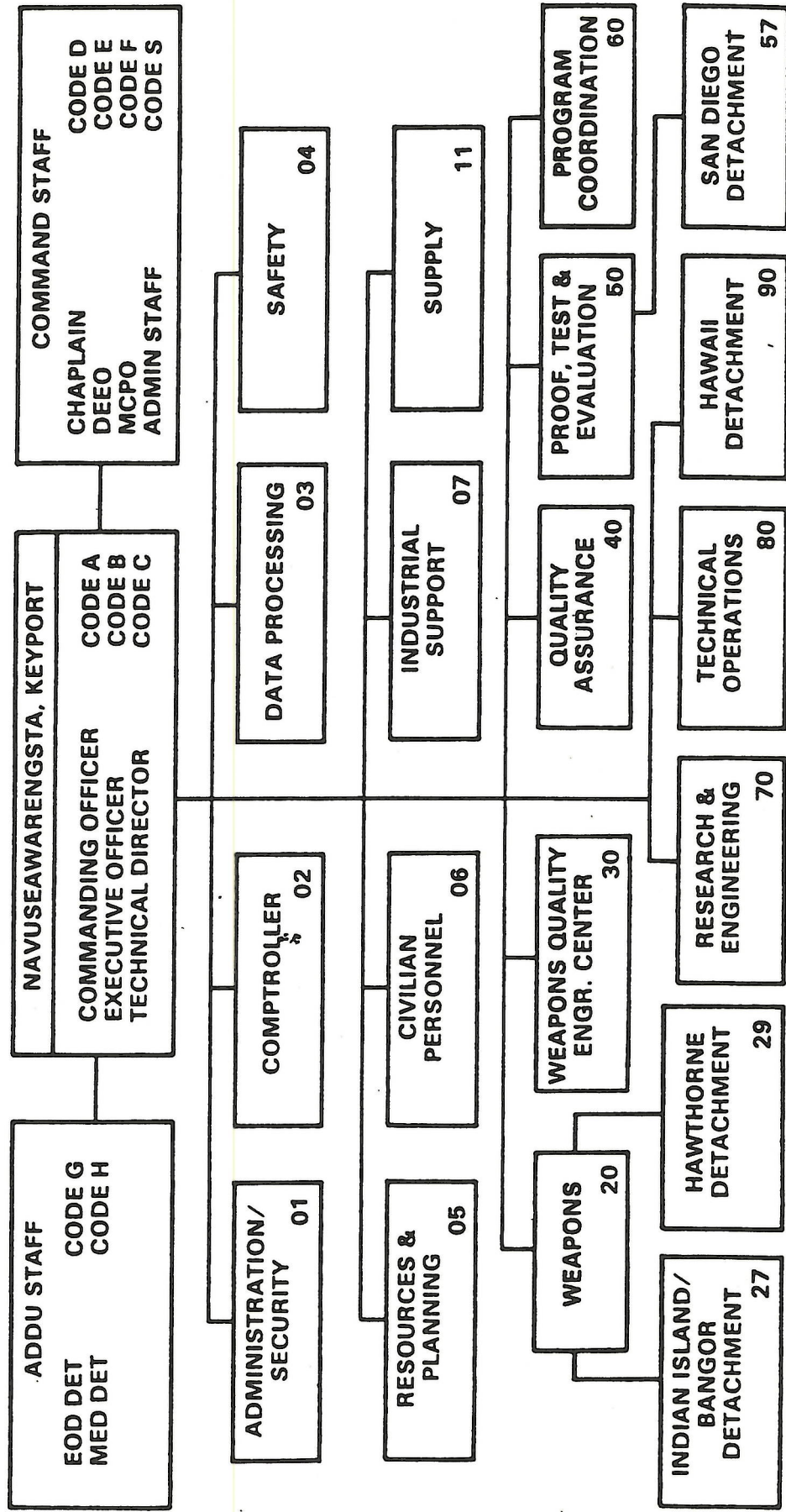


EXHIBIT 1



PERSONNEL SUMMARY

NUWES KEYPORT (FY-79)

KEYPORT (HOME BASE)	
OFFICERS	18
ENLISTED	232
CIVILIAN	2199
CONTRACTOR	363
INDIAN ISLAND (DETACHMENT)	
OFFICERS	2
ENLISTED	32
CIVILIAN	90
HAWAII (DETACHMENT)	
OFFICERS	1
CIVILIAN	112
CONTRACTOR	35
HAWTHORNE (DETACHMENT)	
OFFICERS	1
CIVILIAN	17
SAN DIEGO (DETACHMENT)	
OFFICERS	1
CIVILIAN	20
CONTRACTOR	10
CIVILIAN CEILING AND MILITARY ALLOWANCE TOTAL	3139

JULY 1979



PAYROLL SUMMARY (ANNUAL)

NUWES KEYPORT (FY-79)

KEYPORT (HOME BASE)
MILITARY \$ 3,277,000
CIVILIAN 50,495,000
CONTRACTOR 8,667,000

BANGOR/INDIAN ISLAND (DETACHMENT)

MILITARY 345,843
CIVILIAN 2,029,000

HAWAII (DETACHMENT)

MILITARY 35,700
CIVILIAN 3,847,000
CONTRACTOR 835,722

HAWTHORNE (DETACHMENT)

MILITARY 27,300
CIVILIAN 348,600

SAN DIEGO (DETACHMENT)

MILITARY 27,300
CIVILIAN 656,250
CONTRACTOR 239,750

TOTAL \$70,831,000



SUMMARY OF FY-79 ACCOMPLISHMENTS

- PROOFED AND DELIVERED TO THE FLEET 242 NEW PRODUCTION TORPEDOES MK 48.
- PERFORMED DEPOT MAINTENANCE AND DELIVERED 1,346 TORPEDOES MK 46 TO THE FLEET.
- COMPLETED 216 ASW-TYPE TRIALS ON 84 SHIPS (41 SUBMARINES AND 43 SURFACE SHIPS).
- COMPLETED 15 POST OPERATIONAL ANALYSIS CRITIQUE AND EXERCISE REVIEWS (PACER).
- DELIVERED 436 TARGETS MK 38 TO THE FLEET FOR A TOTAL OF 1,886 TO DATE.
- COMPLETED THE DEMILLING OF 41,000 ROUNDS OF 5-INCH ROCKET WARHEADS.
- OUT/DOWNLOADED 54 SHIPS WITH CONVENTIONAL AMMUNITION.
- 799 TARGETS MK 30 WERE PREPARED BY THE HAWAII DETACHMENT. 403 LAUNCHED FOR OPERATIONS SUPPORTING PACIFIC FLEET COMMANDS.
- 1,254 TORPEDOES AND TARGETS WERE FIRED ON LOCAL RANGES.
- MODULAR ITEMS REPAIRED
 - TORPEDOES - 26,000
 - FIRE CONTROL - 12,000
 - OTHER - 1,300
- ACQUIRED AND INSTALLED NEW MODCOMP TRACKING SYSTEMS AT NANOOSE AND DABOB.

FEB 1980



SUMMARY OF FY-79 ACCOMPLISHMENTS (Continued)

- EXPERIMENTAL SHALLOW WATER RANGE INSTALLED AT QUINAULT UNDERWATER TRACKING RANGE (QUTR).
- MAJOR PLANNING INITIATED FOR ADCAP, ALWT, TRIDENT AND SONAR PROGRAMS.
- THE NAVAL MUSEUM OF UNDERSEA WARFARE, KEYPORT, WASHINGTON, WAS OFFICIALLY ESTABLISHED BY SECNAV.
- NEW FUNDS RECEIVED TOTAL NEARLY \$130 MILLION.
- IPPFR FUNDING TOTALED \$1,846,000.
- WEAPON SYSTEM MANAGEMENT DEVELOPMENT PROGRAM
 - 4 NEW TRAINEES
 - 15 AT HEADQUARTERS
- RECEIVED 54 COMMENDATIONS FROM OUTSIDE ACTIVITIES
 - FLEET COMMANDS - 11
 - OTHER COMMANDS AND HIGHER AUTHORITY - 33
 - INDUSTRY AND COMMUNITY - 10
- COMBAT SYSTEM DEPOT CAPABILITY ON SCHEDULE
 - MK 117 (91/113) = 81% COMPLETE
 - MK 118 (42/104) = 40% COMPLETE
 - BQQ6 (50/169) = 30% COMPLETE
 - BQQ5 (22/293) = 8% COMPLETE

FEB 1980

COMMAND HISTORY 1980

Commanding Officer	Captain J. G. Fletcher, USN	1 Jan-28 Aug
	Captain C. H. Wilbur, USN	29 Aug-31 Dec
Executive Officer	CDR E. E. Schultz, USN	1 Jan-31 Dec
Technical Director	Mr. E. H. Lesinski	1 Jan-31 Dec

Special Interest

Captain Charles H. Wilbur relieved Captain John G. Fletcher as Commanding Officer of the Naval Undersea Warfare Engineering Station on 29 August 1980.

Lieutenant Commander Jerry A. Hamilton relieved Commander Harley J. Holliday as Officer in Charge of the Indian Island Detachment on 17 December 1980.

General Interest

The NUWES Fire Station was judged best in the Navy in competition with medium size stations in a contest sponsored by the U.S. Navy Fire Protective Association.

Divers from NUWES participated in search and rescue operations that occurred on Hood Canal when a commercial tug capsized on 20 February 1980. Divers rescued one person trapped aboard the stricken tug and recovered the body of a second person.

Divers and recovery vehicles participated in recovery operations of the downed EA-6B Aircraft near Deception Pass, adjacent to Whidbey Island, on 26 February 1980.

Two Beluga whales were transported from NOSC to the NUWES facility at Bangor in October 1980. NUWES will evaluate the whales' capability to assist in the recovery of underwater objects in local waters at various depths.

Exhibit 1 shows the Station organization chart, exhibit 2 is the personnel breakdown and exhibit 3 shows personnel payroll information.

Program Highlights

NUWES was designated depot for the Sonar AN/BQQ-5.

Effort in support of submarine Fire Control System MK 117 has been increasing both due to increasing numbers of systems in fleet service and the designation of NUWES as the industrial/logistic activity for the system.

The Tethered Remote Operated Vehicle (TROV) has been acquired, tested and put into operation in an effort to improve our capability for bottom water recovery. ✓

NUWES significant achievements for the year 1980 are displayed in exhibit 4.

1980 VISITORS - USN OFFICERS

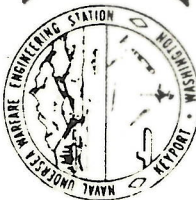
ADM A. J. Whittle, Jr.	CHNAVMAT	June 27
VADM E. B. Fowler	Commander, NAVSEASYSKOM	April 15
VADM E. B. Fowler	Commander, NAVSEASYSKOM	August 5
VADM E. T. Reich	Retired	August 27-29
RADM J. B. Busey	Naval Audit Service Headquarters	January 25
RADM D. L. Cooper	Dpty CMDR/Compt NAVSEASYSKOM	August 5
RADM D. M. Jackson	Asst Dep CDR ASW/ Underwater NAVSEASYSKOM	August 29
RADM A. J. Baciocco	Chief of Naval Research	September 17-19
RADM W. A. Williams III	Commandant, 13th Naval District	September 26
RADM T. J. Allshouse	Commanding Officer, SPCC	November 7
CAPT R. B. Cunningham	DDESB	January 14-18
CAPT T. J. Moody	NAVSEASYSKOM	January 15-16
CAPT A. S. McLaren	CO NUSC	January 24
CAPT R. H. Scales	NAVSEASYSKOM	February 7-8
CAPT R. Wellborn	NAVSEASYSKOM	March 13-14
CAPT J. Mossman	COMNAVLDCPAC	April 15
CAPT J. P. Cromwell, Jr.	CO NAVMAG, Lualualei	April 15
CAPT J. J. Pistochnik	NAVSEASYSKOM	May 6-9
CAPT C. E. Biele, Jr.	OPNAV	June 25-26
CAPT J. F. Fox	NAVSEASYSKOM	July 17
CAPT W. A. Reister	NAVSEASYSKOM	July 21
CAPT P. Russell	NAVSEASYSKOM	July 22
CAPT R. K. Beyer	NAVMAT	August 25-28
CAPT G. J. Klett	NAVMAT	August 27
CAPT S. L. Guille	CO NOSC	September 10-11
CAPT T. Fox	NAVSEASYSKOM	September 25
CAPT E. DeWispelaere	OPNAV	September 25
CAPT R. H. Scales	NAVSEASYSKOM	September 25-26
CAPT R. C. Gardner	DEPCOMOPTEVFORPAC	October 16-17
CAPT R. B. Moss	NAVSEASYSKOM	October 22
CAPT C. M. Merker	NAVSEASYSKOM	October 23
CAPT T. A. Meinicke	NAVSEASYSKOM	October 23
CAPT R. J. Noreika	NAVSEASYSKOM	October 23

1980 VISITORS - CIVILIAN

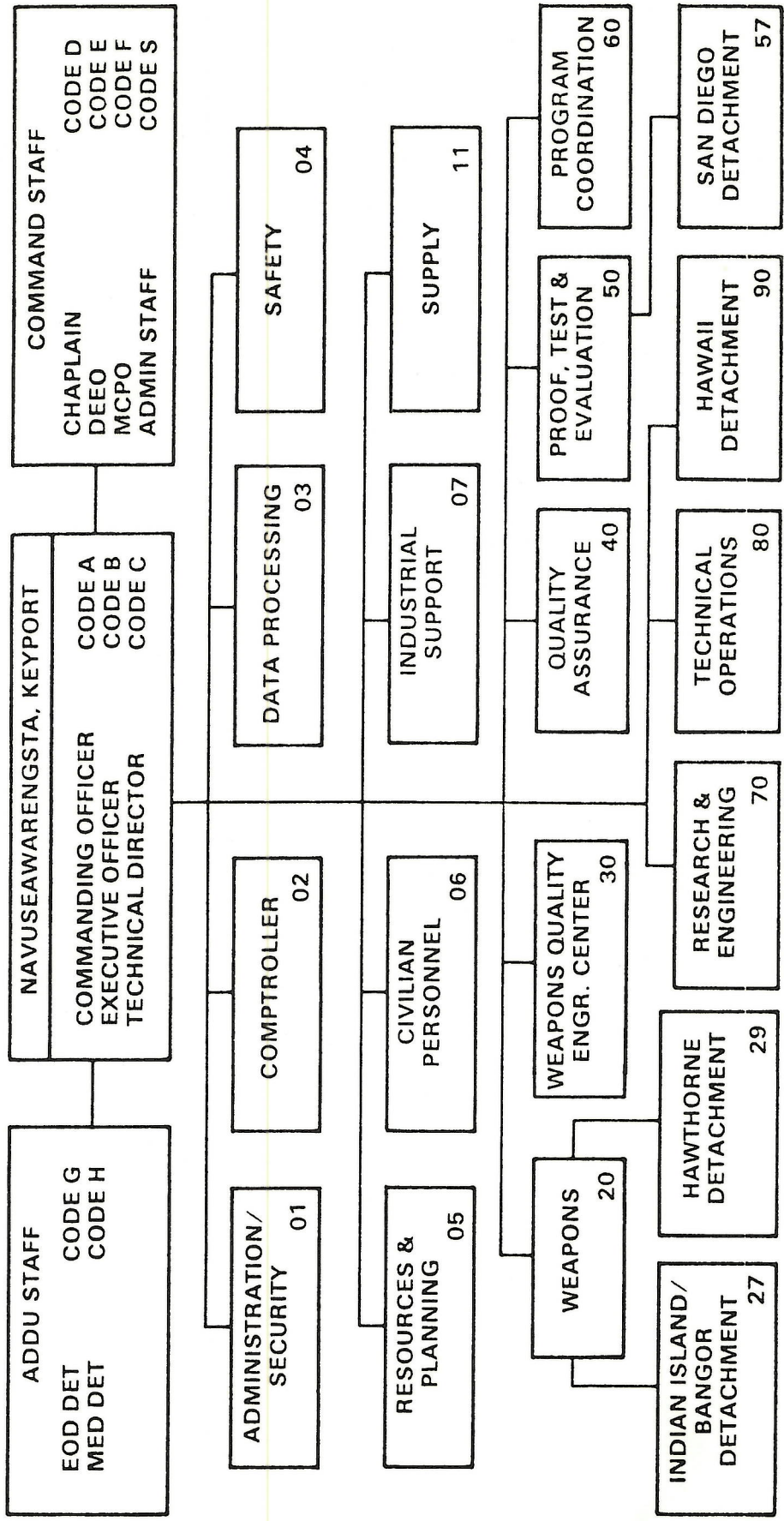
Mr. M. Brown	NAVFAC	February 11
Mr. C. Hicks	Naval General Counsel	February 12
Dr. S. Murphy	University of Washington	March 27
Dr. F. J. Remick	Pennsylvania State Univ.	April 15
Dr. J. C. Johnson	Pennsylvania State Univ.	April 15
Mr. G. Baird	House Appropriations Committee Staff	December 1
Mr. W. Fleshman, Jr.	House Appropriations Committee Staff	December 1

1980 VISITORS - INTERNATIONAL

LCDR M. Deas	France	January 8-9
LCDR A. Bechler	France	January 8-9
Mr. H. Ramos	France	January 8-9
CDR L. W. Renfrey	Australia	March 28
Mr. D. J. Stewart	Australia	March 28
CAPT O. A. Backman	Sweden	April 17-18
Mr. T. Waldenstrom	Sweden	April 17-18
Mr. E. B. Hullquist	Sweden	April 17-18
Mr. C. A. Runborg	Sweden	April 17-18
Mr. P. G. Sundin	Sweden	April 17-18
Dr. G. F. I. Dyne	Sweden	April 17-18
CAPT J. Bonnaud	France	May 7-9
LCDR G. Adam	France	May 7-9
LCDR J. Flory	France	May 7-9
Mr. L. Manotte	France	May 7-9
RADM G. Grandin	Sweden	May 20
CAPT K. Fukuhisu	Japan	June 5-7
LCDR Petton	France	June 12-13
LT Allain	France	June 12-13
LT Pengam	France	June 12-13
Mr. T. Andrews	United Kingdom	June 23-25
LT G. Barrett	United Kingdom	June 23-25
Mr. R. Moakes	United Kingdom	June 23-25
Mr. L. Hayes	United Kingdom	June 23-25
Mr. G. Child	United Kingdom	June 23-25
Mr. R. Bulters	United Kingdom	June 23-25
Mr. J. Ridgers	United Kingdom	June 23-25
Dr. K. Bakke	Norway	September 25
Mr. W. Kral	Norway	September 25
Mr. S. Sivertsen	Norway	September 25
Mr. E. Hillerslien	Norway	September 25
VADM G. J. Willis, A.O., R.A.N.	Chief of Naval Staff, Royal Australian Navy	September 26
Commodore J. A. D'Farrell	Australia	September 26
LCDR Sam Burrell	Australia	September 26
Mr. K. Wolf	Federal Republic of Germany	October 20-21
Mr. J. Korte	Federal Republic of Germany	October 20-21
Mr. D. Zuehl	Federal Republic of Germany	October 20-21
Mr. H. Dreyer	Federal Republic of Germany	October 20-21
Dr. Kim Yong Su	Republic of Korea	Nov 22-Dec 5
Mr. Kim Yung Il	Republic of Korea	Nov 22-Dec 5



STATION ORGANIZATION



JULY 1979

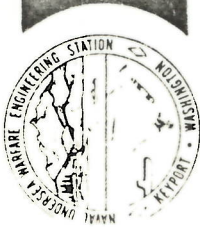


PERSONNEL SUMMARY

NUWES KEYPORT (FY-81)

KEYPORT (HOME BASE)	
OFFICERS	18
ENLISTED	227
CIVILIAN	2185
INDIAN ISLAND (DETACHMENT)	
OFFICERS	2
ENLISTED	32
CIVILIAN	71
HAWAII (DETACHMENT)	
OFFICERS	1
CIVILIAN	114
HAWTHORNE (DETACHMENT)	
OFFICERS	1
CIVILIAN	18
SAN DIEGO (DETACHMENT)	
OFFICERS	1
CIVILIAN	33
CIVILIAN CEILING AND MILITARY ALLOWANCE TOTAL	2703

NOV 1980

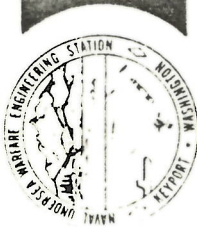


PAYROLL SUMMARY (ANNUAL)

NUWES KEYPORT (FY-81)

KEYPORT (HOME BASE)	
MILITARY	\$ 3,843,902
CIVILIAN	63,908,090
INDIAN ISLAND (DETACHMENT)	
MILITARY	611,166
CIVILIAN	2,600,816
HAWAII (DETACHMENT)	
MILITARY	41,101
CIVILIAN	3,813,195
HAWTHORNE (DETACHMENT)	
MILITARY	27,768
CIVILIAN	421,327
SAN DIEGO (DETACHMENT)	
MILITARY	41,101
CIVILIAN	1,246,067
TOTAL \$76,554,533	

NOV 1980



SIGNIFICANT ACHIEVEMENTS FY-80

- PROOFED AND DELIVERED 376 NEW PRODUCTION TORPEDOES MK 48 TO THE FLEET.
- ORDALTED AND SHIPPED 452 BIT TORPEDOES MK 48 TO THE FLEET.
- PERFORMED 1,003 CLASS B MAINTENANCE OVERHAULS ON TORPEDOES MK 46.
- FIRED 1,360 TORPEDOES AND TARGETS ON LOCAL RANGES.
- PREPARED 791 TARGETS MK 30 AT THE HAWAII DETACHMENT. LAUNCHED 404 FOR OPERATIONS SUPPORTING PACIFIC FLEET COMMANDS.
- COMPLETED 253 ASW TESTS —
 - NORTHWEST — 9
 - HAWAII — 124
 - SOCIAL — 120
- COMPLETED 55 POST OPERATIONAL ANALYSIS CRITIQUE AND EXERCISE REVIEWS (PACER) —
 - 38 SURFACE
 - 17 AIR

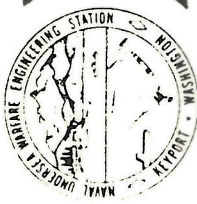
NOV 1980



SIGNIFICANT ACHIEVEMENTS FY-80 (Continued)

- SHALLOW WATER RANGE INSTALLED AT QUINAULT UNDERWATER TRACKING RANGE (QUTR).
- ACQUIRED AND INSTALLED NEW MODCOMP TRACKING SYSTEMS AT NANOOSE AND DABOB.
- NEW FUNDS RECEIVED TOTAL \$132 MILLION.
- IPPFR EQUIPMENT FUNDING TOTALED \$1,128,000.
- WEAPON SYSTEM MANAGEMENT DEVELOPMENT PROGRAM —
 - 8 IN TRAINING
 - 19 AT HEADQUARTERS
- NUWES FIRE DEPARTMENT CITED AS OUTSTANDING FIRE DEPARTMENT NAVY-WIDE.
- ESTABLISHED A MOSS CAPABILITY.
- EXCEEDED SECRETARY OF DEFENSE CUTBACKS IN ENERGY CONSUMPTION.
- MAJOR PLANNING CONTINUES FOR ADCAP, ALWT, TRIDENT, AND SONAR PROGRAMS.

NOV 1980



SIGNIFICANT ACHIEVEMENTS FY-80 (Continued)

- MODULAR ITEMS REPAIRED — 50,506
- TORPEDOES — 28,423
- TARGETS — 1,316
- FIRE CONTROL/SONAR — 17,000
- FMS — 2,500
- OTHER — 1,267
- REFURBISHED 30 ATTACK CONSOLES MK 53 AND 7 ATTACK CONSOLES MK 38.
- RECLAIMED 5,000 COMPONENTS FROM SONAR AN/SQS-23 CABINETS.
- CONVERTED/REFURBISHED 136 TORPEDOES MK 37 MOD 2 AND 40 MOD 3.
- MINIATURE MOBILE TARGET PROGRAM (COMPLETED)
 - JUNE 1975 — JUNE 1980 — TOTAL 2,700 UNITS
 - FY-80 — 457 UNITS
- FLEET SUPPORT ACTIVITY AT INDIAN ISLAND —
 - ONLOADS — 37
 - OFFLOADS — 25

NOV 1980