





UNITED STATES SHIP

Lexington

Friday, May 8

1942

ZONE DESCRIPTION -11

REMARKS.

8-15 Continued.

many unidentified planes bearing 070° distant 58 miles, approaching. Turned into wind and 1101 to 1106 launched 5 VF and 5 SBD. 1106 resumed course 028°(T). 1108 changed speed to 25 knots. 1111 a signal to the force for course 125° speed 20 knots was executed but due to immediate proximity hostile planes course was not changed by this ship. 1115 first enemy aircraft seen on port bow. As first torpedo was seen to drop rudder was put full right. 1116 gun fire opened on enemy. Speed increased to 30 knots. Torpedo planes seen on starboard bow, rudder was put full left but before ship started to swing left, rudder was again put full right. 1118 torpedo hit port side about frame 50. 1120 heavy hit by torpedo about frame 72 port side. 1120's torpedo hit port side near bow. Sheet of second hit broke seven pull cord ~~that~~ <sup>through</sup> seven valve open. 1121 near miss <sup>count</sup> bomb port side about frame 50. 1122 torpedo hit near water line port side about frame 100. A bomb hit on flight deck port side near frame 60 (port end of palisades). Ship took up a list to port of about 6°. A bomb hit near after end of stack, penetrated, and exploded inside stack. A near miss <sup>count</sup> exploded off port side near frame 135. 1130 report of damage gone buoys 2, 4, 6 out of commission, speed reduced to 25 knots. Ready service ammunition after end #2 gun gallery burning but fire there being extinguished using landyces equipment. Ship turned to the right to about 270°(T), steadied there momentarily, then continued turn to right to come into wind. 1139 slowed to 20 knots. 1139 one SBD landing went over side - pilot <sup>in up position</sup> and passenger, picked up by BSMs. 1142 slowed to 17 knots. All fire on flight deck out. 1153 steadied on course 130°(T). 1155 turning left. 1158 steadied on course 028°(T). Report from after signal station of casualties nearby: 1 killed, 3 seriously injured, 5 injured. Repair parties inspecting and repairing damage.

J. P. Dudley

12-16

Steaming as before on course 028°(T) at 20 knots. Both elevators out of commission. <sup>in up position</sup> List all removed from ship by shifting fluids. 1230 opened vents necessary for ventilation and turned into wind. 1235 all fires below decks reported out. 1242 commenced launching combat patrol. 1247 heavy explosion felt which was

Approved:

Examined:

J. P. Dudley  
Comdr U.S.N.

LOG OF THE UNITED STATES SHIP _____																								
															(Name)					(Identification Number)				
AT PASSAGE _____										TO _____														
										(Day)		(Date)		(Month)		19__								
ZONE DESCRIPTION _____										U. S. Navy, Commanding.														
Hour	"All Start" Average Revolutions	BY REVS.		BY LOG		Course (P. C.) Gyro _____ Mag. _____ (Indicate which)	WIND		BAROMETER		TEMPERATURE				Weather, by Symbols	CLOUDS			SEA					
		Nautical Miles	Tenths	Nautical Miles	Tenths		Direction	Force	Height in Inches	Reading at Turb.	Air, Dry Bulb	Air, Wet Bulb	Water at Surface	Form		Moving From—	Amount	Visibility	Condition	Swells From—				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20					
A. M.																								
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Lat. _____ Long. _____ Lat. _____ Long. _____ Lat. _____ Long. _____	Fuel { Received _____ Expended _____ On hand _____ Water { Distilled _____ Received _____ Expended _____ On hand _____	<b>DRILLS AND EXERCISES</b> Morning                      Afternoon Division 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ 7 _____ 8 _____ 9 _____
Current { Set _____ Drift _____	BEFORE LEAVING PORT Draft for'd _____ Draft aft. _____	
GYROCOMPASS IN USE Error _____	AFTER ENTERING PORT Draft for'd _____ Draft aft. _____	
STANDARD MAG. COMPASS Compass No. _____ S. H. _____ Error _____ Variation _____ Deviation _____	MAGAZINE TEMPERATURES: Maximum _____ Minimum _____	

  

P. M.	13																		
	14																		
	15																		
	16																		
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	19																		
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	22																		
	23																		
	24																		

  

SUBMERGED RUN DATA—SUBMARINES					
	1	2	3	4	5
Run No. (Serial)					
Time to submerge					
Greatest depth					

UNITED STATES SHIP

Lexington

Friday

May 9

1944

ZONE DESCRIPTION -11

REMARKS.

ing forward bomb elevator. Lost communication with central station. 1259 completed launching 5 VF, 7 VS, 2 VB. 1313 changed course to 080°. 1317 turned into wind. 1319 another internal explosion felt. Rudder angle indicator and dead Restoring Tracer out of commission. 1322 to 1328 landed 11 VB, 1 VS, 1 VF. 1336 steady on course 350°(T). All communication facilities in forward part of ship out of commission. 1340 turned into wind and launched 4 VF. Fires burning in forward part of ship below main deck. Frequent light explosions felt. 1351 Gyrocompasses out of commission. 1356 changed course to 200°(T) on signal and increased speed to 25 knots. Engine order telegraphs out of commission. 1358 steady on 200°(T) 192°(p stg c). 1400 turned left into wind to land returning attack group. Steadied on 130°(T) at 15 knots. Radar out of commission. 1413 finished landing 10 VT and 1 VF. Changed course to 200°(T) 192°(p stg c) and speed to 25 knots. 1443 heavy explosion <sup>under</sup> forward elevator. Lost steering control from bridge. All radios out of commission. Steering by after steering station using sound power telephone to order setting for rudder. 1453 heavy explosion under forward elevator. 1502 broke breakdown for speed blackening. 1520 heat of fire forward of 'A' machinery unit space made that untenable. Secured A+B units and ordered personnel to abandon that space. 1525 an extra heavy explosion port side amidships. Heavy black smoke poured out stack. Lost telephone communication to after steering gear room and truck wheel. 1530 sprinkled after magazines. ~~Using~~ engines powered by C+D units to maintain ship on course about 200°(T). Making good 12 to 15 knots. 1540 established telephone communication with after steering station by relay through main control over JV telephone. 1540 smoke forced the abandonment of stations on stack, also duplex and communication stations. 1544 another explosion on port side. 1545 abandon sky forward and surface forward. 1548 lost all pressure on fire main aft. 1558 several small explosions under forward elevator. Fire on main deck out of control. Communications to main control growing very faint. Ordered main control to secure machinery and abandon

Approved:

Examined:

J. P. Dudley  
Comdr U. S. N. Navigator.

# LOG OF THE UNITED STATES SHIP

(Name)

(Identification Number)

AT  
PASSAGE

TO

(Day)

(Date)

(Month)

19\_\_

ZONE DESCRIPTION \_\_\_\_\_

U. S. Navy, Commanding.

Hours	"ALL INLET" AVERAGE REVOLUTIONS					Course (P. C.) Ogva Mag. (distance track)	WIND		BAROMETER		TEMPERATURE				WEATHER BY SYMBOL	CLOUDS				SEA	
	NATURAL Miles	TESTER	NATURAL Miles	TESTER	TESTER		Direction	Force	Height in Inches	Reading at Tank	Air, Dry Bulb	Air, Wet Bulb	Water at Surface	Fog		Moving From	Amount	Visibility	Condition	Swells From	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
A.M.																					
1																					
2																					
3																					
4																					
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6																					
7																					
8																					
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10																					
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12																					

Lat. _____ Long. _____ Lat. _____ Long. _____ Lat. _____ Long. _____	Fuel Received _____ Expended _____ On hand _____ Water Distilled _____ Received _____ Expended _____ On hand _____	<b>DRILLS AND EXERCISES</b>	
Current { Set _____ Drift _____ Gyrocompass in Use Error _____ Standard Mag. Compass Compass No. _____ S. H. _____ Error _____ Variation _____ Deviation _____	BEFORE LEAVING PORT Draft for'd _____ Draft aft _____ AFTER ENTERING PORT Draft for'd _____ Draft aft _____ MAGAZINE TEMPERATURES: Maximum _____ Minimum _____	Morning Division 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ 7 _____ 8 _____ 9 _____	Afternoon

P.M.																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				

**SUBMERGED BUN DATA—SUBMARINES**

	1	2	3	4	5
Run No. (Serial)					
Time to submerge					
Greatest depth					

UNITED STATES SHIP Lexington Friday, May 8, 1942ZONE DESCRIPTION -11

REMARKS.

engineering compartments.

16-20

J.R. Dudley  
Ship losing way. Hangar thick with smoke, fire visible under forward elevator, personnel assembling on flight deck. Estimated 1600 position Lat.  $15^{\circ}-19'S$ , Long.  $155^{\circ}-31'E$ .

Injured ordered evacuated to cruisers standing by. 1615 USS Morris came alongside, passed fire hoses on board in effort to combat fire. 1645 water played on fire around forward elevator without success in extinguishing fire. With loss of speed a port list of  $3^{\circ}$  developed and ship took a trim down by the bow of about 2 feet. 1652 ordered all squadron & air department personnel and men not needed for working the ship to embark in USS Morris alongside. Large cloud of steam and smoke came up from forward elevator. 1700 list to port now  $5^{\circ}$ . 1706 a steam explosion rose on port bow. 1707 Rear Admiral A.W. Fitch directed the Captain to have the ship abandoned. 1710 order passed "All Hands abandon ship."

All injured men on flight deck were lowered over the side to boats and life rafts. Only those records which were above decks could be saved. Fires in office spaces below decks prevented saving of other records than rough deck logs, quartermasters note book and rough notes for war diary.

The writer abandoned ship at 1745 (watch stopped by immersion in salt water) - Captain proceeded to inspect flight deck aft and after inquiring all had abandoned, was last to have going down a rope at stern about 1830 after several terrific explosions had scattered flames and debris over a large area of water.

Personnel were picked up and placed on ships as follows:

Ship	Officers	Men	Ship	Officers	Men
Minneapolis	50	700	Hammann	24	428
Portland	22	318	Gorhtown	18	14
New Orleans	43	537	Anderson	17	335

Approved:

Examined:

J.R. Dudley  
Commander U. S. N., Navigator.

LOG OF THE UNITED STATES SHIP

(Name)

(Identification Number)

AT  
PASSAGE

TO

(Day)

(Date)

(Month)

19\_\_

ZONE DESCRIPTION

U. S. Navy, Commanding.

HOOR	ALL BEARS' AVERAGE BARO. RECORDED	BY REVR.		BY LOG		COAST (P. C.)	WIND		BAROMETER		TEMPERATURE				WINDS, BY SYMBOLS	CLOUDS			SEA	
		N. NATURAL	T. NATURAL	N. NATURAL	T. NATURAL		Mag. (includes wind)	Direction	Force	Height in inches	REASONS A. T. THIS.	Air, Dry Bulb	Air, Wet Bulb	WATER AT SURFACE		Peak	MOSTLY FROM	AMOUNT	Visibility	Covered
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
A.M.	Casualties among marines in action May 8, 1942																			
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
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12																				

Schwesel, Marvin B. Pfc.		Sherwood, Carl M. Pfc.		Smith, Elmer E. Pfc.		Stall, James M. Pfc.		Woods, Francis M. Pfc.		Zemola, Henry P. Pfc.		Nicholson, Oliver Pfc.		Sibler, Donald G. Pfc.		McCartney, Wallace E. Pfc.		<p><b>DRILLS AND EXERCISES</b></p> <p>Received</p> <p>Expended</p> <p>On hand</p> <p>Distilled</p> <p>Received</p> <p>Expended</p> <p>On hand</p> <p>LEAVING PORT</p> <p>Draft for'd</p> <p>Draft aft</p> <p>AFTER ENTERING PORT</p> <p>Draft for'd</p> <p>Draft aft</p> <p>MAGAZINE TEMPERATURES:</p> <p>Maximum</p> <p>Minimum</p>	
Latitude		Longitude		Latitude		Longitude		Latitude		Longitude		Latitude		Longitude		Latitude		Longitude	
Morning		Afternoon		Morning		Afternoon		Morning		Afternoon		Morning		Afternoon		Morning		Afternoon	
1		2		3		4		5		6		7		8		9		10	
11		12		13		14		15		16		17		18		19		20	

*J. R. Dudley*

P.M.																				
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22																				
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24																				

SUBMERGED RUN DATA—SUBMARINES

	1	2	3	4	5
Run No. (Serial)					
Time to submerge					
Greatest depth					



UNITED STATES SHIP

Lexington

Friday May 8

194

ZONE DESCRIPTION -11

REMARKS.

Ship	Officers	Men	Ship	Officers	Men
Morris	2	80	Seewey	13	102
Phelps	1	25			

At about 1945 USS Phelps fired torpedoes into hull of U.S.S. Lexington and at 1956 the Lexington sank and as she sank three extremely heavy explosions were felt. Depth of water 2000 fathoms. Estimated Position Lat 15°19' N Long 157°30' E.

Known dead as result of actions May 7 and 8, 1942.  
This is based on information derived from records available on arrival at San Diego, Calif.

Comdr. W. W. Gilmore (SC) USN died May 8 Killed in action  
Comdr. W. C. Trojakowski (SC) USN " " " " "  
Lt. Comdr. H. R. Healy, USN " " " " "  
Lt. Jg. E. M. Price, USN " " " " "  
Ensign P. H. Johns USNR " " " " "  
Ensign C. H. Ziehr, USN " " " " "  
Ensign R. H. Zwiwerske (SC) USNR " " " " "  
Elect. M. F. Barry, USN " " " " "  
Gunner J. E. Whitcomb USN died aboard Astoria May 13.  
Alta. Sigs J. 378-46-27 ETC 1C lost May 8, Killed in action  
Archibald, Edmund W. 368-68-88 Sea 2c " " " " "  
Blincoc, Michael V. 382-55-37 Sea 2c " " " " "  
Bollander, Frank W. jr. 356-63-55 Sea 2c " " " " "  
Borner, Theodore R. 376-31-07 Sea 2c " " " " "  
Brown, Eddie L. jr. 272-25-06 SC 3c " " " " "  
Brown, Robert Van B. 342-17-06 SK 3c " " " " "  
Bult, Thomas K. 368-25-62 QM 1c " " " " "  
Carlson, Albert E. 311-42-21 CM 3c " " " " "  
Carlson, John B. 316-47-44 SK 2c " " " " "  
Coleman, Donald E. 342-43-83 Sea 2c " " " " "  
Davis, Jess O. 320-72-03 MM 1c " " " " "  
Diamond, Theodore L. 337-33-55 Sea 2c " " " " "  
Dull, Carl W. 320-11-79 CM 3c " " " " "  
Dunn, John J. 266-19-97 F 3c " " " " "  
Dupree, William J. 360-34-76 F 3c " " " " "  
Durant, Howard E. jr. 413-55-43 Sea 2c " " " " "  
Edwards, Kenneth O. 357-40-18 SF 3c " " " " "  
Ely, Robert C. 385-83-33 Sea 1c " " " " "  
Flath, Garfield H. 368-42-72 MM 2 1c " " " " "

Approved:

Examined:

J. Dudley

Comdr U. S. N., Navigator.

## LOG OF THE UNITED STATES SHIP

(Name)

(Identification Number)

AT  
PASSAGE

TO

(Day)

(Date)

(Month)

19

ZONE DESCRIPTION

U. S. Navy, Commanding.

Hour	"ALL HANDS" AVERAGE HEADS-10000	BY REVS.		BY LOG		Course (P.C.) Ogys Mag. (clockwise whirl)	WIND		BAROMETER		TEMPERATURE				WEATHER, BY ITEMS	CLOUDS				SEA	
		NATURAL MILES	TARTAN	NATURAL MILES	TARTAN		Direction	Force	At port in vacuum	Reading at 30 in.	Air Dry bulb	Air, Wet bulb	Water at surface	WINDS, BY ITEMS		Force	Moving Force	Velocity	Direction	Force	
<b>Casualty list of men as result of action May 7-8.</b>																					
A.S.	1	Rupert, Dale E.	368-58-56	SF3c	col	May 8	killed in action														
	2	Reberford, Nathaniel L.	348-83-52	mat 2c																	
	3	Schubert, Robert D.	316-75-20	Sea 2c																	
	4	Schubert, Robert D.	360-07-92	F 1c	dist	May 8	of wounds received in action, killed in action														
	5	Smith, Calyx G.	238-69-32	PM 3c																	
	6	Smith, Vernon C.	372-15-51	AM 2c																	
	7	Stark, Alex H.	337-04-10	Sea 1c																	
	8	Stark, Alex H.	238-69-05	SF 2c																	
	9	Straw, David H.	624-03-42	SK 2c																	
	10	Tham, William A.	375-78-49	MM 1c																	
	11	Voss, Frank J.	382-29-28	Sea 2c																	
	12	White, Bruce A.	241-39-14	Sea 2c																	
		White, Lester J.	381-21-53	GM 3a																	
		Whitely, Robert L.	372-19-82	BK 3c																	
		Wilder, Claude M.	360-18-78	SK 3c																	
		Latitude	Received																		
		Longitude	Expended																		
		William, Alta L.	387-21-13	mat 1c																	
		Wilson, Charles E.	201-78-08	SC 2c																	
		Latitude	Obtained																		
		Longitude	Received																		
		Young, Carl C.	295-25-37	Sea 1c																	
		Latitude	Expended																		
		Longitude	On hand																		
		Zigler, Harry D.	243-14-43	Y 3c																	
		Latitude	Expended																		
		Longitude	On hand																		
		Parker, Richard E.	632-10-66	mat 3c	of Flag	Det	Comdr Det 1	was killed in action	May 8.												
		Current	Drift	Drift for'd																	
		<b>Casualties from Air Group Personnel:</b>																			
		<b>CYROCOMPASS IN USE</b>																			
		Error	Comdr W. B. Cull	USN	missing in action	May 8.															
			Lieut E. N. Wilson	USN	Drift for'd	missing in action	May 7.														
			Lieut W. P. G. Coker	USN	Drift aft	missing in action	May 7.														
			Lieut R. S. Bull	USN	missing in action	May 8.															
			Lieut J. H. Clark	USN	missing in action	May 8.															
			Lieut R. O. Hale	USN	missing in action	May 8.															
			Eng. W. H. Mason	USNR	missing in action	May 8.															
			Eng. D. W. Peterson	USNR	missing in action	May 8.															
			Eng. R. M. Rowell	USNR	missing in action	May 8.															
			Lieut C. F. Pinehart	USN	missing in action	May 8.															
			Lieut L. W. Thornhill	USN	missing in action	May 8.															
			Ensign V. D. Wingfield	USNR	missing in action	May 8.															
			Ensign A. V. Bughley	USNR	missing in action	May 7	reported rescued on Royal Island.														
			Ensign H. Wood	USNR	missing in action	May 8	reported rescued on Royal Island.														
			Edwards, John D.	212-52-95	ARM 2c	killed in action	May 8.														
			Batler, William T.	222-24-91	ARM 2c	missing in action	May 8.														
			Stark, William P.	283-92-69	ARM 2c	missing in action	May 8.														
			Lockey, John B.	316-61-47	ARM 2c	missing in action	May 8.														
			Ronald, Chalmers	328-69-41	ARM 2c	missing in action	May 7.														
			Whitcomb, Brit E.	320-07-93	ARM 2c	missing in action	May 7	reported rescued on Royal Id.													
			Hunter, Carl F.	360-27-79	RM 2c	missing in action	May 8.	reported rescued on Royal Id.													
			Halden, Allen G.	386-22-75	Sea 2c	killed in action	May 8.														
			Weeks, Virgil L.	265-85-24	PM 2c	killed in action	May 8.														
			Hudson, William G.	279-22-22	OC 3c	killed in action	May 8.														
			Blower, William T.	242-27-70	ARM 2c	missing in action	May 8.														
			Halden, John C.	401-36-53	AMM 1c	missing in action	May 8.														
			Run No. (Serial)																		
			Time to submerge																		
			Greatest depth																		

J. P. Dudley

UNITED STATES SHIP

*Saxington*

(Day)

(Date)

(Month)

19

ZONE DESCRIPTION

REMARKS.

*Casualty List by name as result of actions May 7-8.**Entice, Russel L. 287-45-55 SK3C died May 8 killed in action.**Evans, Harold B. 257-53-43 Sea 2C**Evans, Barton J. 660-20-40 SK3C**Garrett, J. B. 295-74-05 F1C**Gilks, Nathaniel 252-95-72 Matt 2C**Gulley, Howard S. 662-06-35 SK3C**Hall, Elby L. 246-76-80 Matt 2C**Hart, Thomas H. 268-79-12 Sea 2C**Henry, Joel Q. 295-74-16 Sea 2C**Hopson, Gery J. 382-44-20 Bay 4C**Howard, James E. 346-83-43 SK3C**Jacques, Ray L. 337-48-14 Y3C**Janison, Eugene 272-71-37 Matt 2C**Johnson, Ralph E. 272-38-49 SC3C**Jones, Edgar 342-29-70 MM3C**Kane, William J. 414-41-42 SK3C**Kidd, James W. 291-60-78 SC3C**King, John M. 356-92-13 EM1C**King, Kenneth R. 356-63-26 Sea 2C**Klause, John A. 404-92-66 F1C**Lattor, Charles A. 321-37-85 Cox**Lombardi, Arthur A. 328-62-06 Matt 2C**Libby, Robert L. 223-42-24 SF2C**Little, James L. 295-32-75 SF2C**Lockard, Joseph R. 382-48-98 Sea 2C**Lynum, Estes L. 397-07-97 SF3C**Mackinnell, Eugene R. 299-99-20 Y2C**Martin, Earl W. 300-19-74 SK3C**McLain, Robert M. 393-05-38 CEM(AA)**Mandula, Francisco N. 421-07-50 Matt 2C**Miller, Richard C. 616-02-32 Y3C**Miles, Stephen J. 299-77-57 SF2C**Moftager, Earnest H. 342-00-93 GM2C**Morris, William W. 662-04-63 Sea 2C**O'Dell, Charles H. 316-78-35 Sea 2C**O'Neal, Willie (M) 346-73-87 Matt 1C**Oller, William H. 275-55-75 CEM(AA)**Oru, Manley S. 262-46-81 EM3C**Pace, Warren W. 393-49-15 Sea 1C**Pennypacker, Frank H. 295-75-41 SF3C**Rachewski, Marvin L. 389-97-04 Cox**Rasberry, Mahlon E. 360-43-46 Sea 2C**Rice, Joseph E. 311-39-44 GM3C**Continued on opposite page -*

Approved:

Examined:

*J. R. Dudley**Comdr*

U.S.S. Postpaid

# LOG OF THE UNITED STATES SHIP

(Name)

(Identification Number)

AT  
PASSAGE

TO

(Day)

(Date)

(Month)

19\_\_

ZONE DESCRIPTION \_\_\_\_\_

U. S. Navy, Commanding.

Hour	° All Bearings Average Wind Direction	BY REVL.		BY LOG		Course (P. C.)	WIND		BAROMETER		TEMPERATURE				WATER, BY THERMO.	CLOUDS				SEA	
		Nautical Miles	Terrins	Nautical Miles	Terrins		Direction	Force	Height of Mercury	Barometer At. Temp.	Air, Dry Bulb	Air, Wet Bulb	Water at Surface	Form		Moving From—	Amount	Visibility	Condition	Swells From—	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
A.M.																					
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

N / Latitude _____ W / Longitude _____		Fuel { Received _____ Expended _____ On hand _____	<b>DRILLS AND EXERCISES</b>			
N / Latitude _____ W / Longitude _____			<i>Morning</i>		<i>Afternoon</i>	
N / Latitude _____ W / Longitude _____		Water { Distilled _____ Received _____ Expended _____ On hand _____	Division 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ 7 _____ 8 _____ 9 _____			
Current { Set _____ Drift _____			BEFORE LEAVING PORT Draft for'd _____ Draft aft _____			
GYROCOMPASS IN USE Error _____		AFTER ENTERING PORT Draft for'd _____ Draft aft _____				
STANDARD MAG. COMPASS Compass No. _____ S. H. _____ Error _____ Variation _____ Deviation _____		MAGAZINE TEMPERATURES: Maximum _____ Minimum _____				

P.M.																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					

**SUBMERGED RUN DATA—SUBMARINES**

	1	2	3	4	5
Run No. (Serial)					
Time to submerge					
Greatest depth					