LETTER OF PROMULGATION

1. The purpose of this publication is to provide all interested commands with an intelligence reference guide and an aid to watch officers and interrogators.

2. This publication cancels and supersedes ONI-31-SS, all copies of which are to be destroyed in accordance with article 0623 U.S. Navy Security Manual. No report of destruction is required.

3. This publication, although unclassified, shall be limited to [redacted] only.

4. Distribution of this publication has been to fill established requirements. Additional copies may be requested through the normal chain of command.

CARL F. ESPÉ
Rear Admiral, USN
Director of Naval Intelligence
1. SSN NAUTILUS (Silhouette shows NAUTILUS with snorkel and periscopes raised.)
2. TANG CLASS - 1st variation (Silhouette shows snorkel and periscopes raised.)
3. TANG CLASS - 2nd variation
4. TANG CLASS - 3rd variation
5. "GUPPY" - 1st variation (Silhouette shows snorkel and periscopes raised.)
6. "GUPPY" - 2nd variation (Silhouette shows snorkel and periscopes raised.)
7. "GUPPY" - 3rd variation
8. "GUPPY" - 4th variation
9. "GUPPY" - 5th variation
10. "GUPPY" - 6th variation
11. "GUPPY" - 7th variation
12. "FLEET-TYPE SNORKEL" - 1st variation

13. "FLEET-TYPE SNORKEL" - 2nd variation

14. "FLEET-TYPE" GATO CLASS (Deck gun arrangement varies.)

15. "FLEET-TYPE" BALAO CLASS (Silhouette shows deck gun variation.)

16. SSG (Guided Missile) - 1st variation

17. SSG (Guided Missile) - 2nd variation

18. ASSP (Transport)

19. SSR (Radar Picket) - 1st variation

20. SSR (Radar Picket) - 2nd variation
UNITED STATES (CONT'D.)

21. SSR (Radar Picket) - 3rd variation 341'

22. SSO (Oiler) 312'

23. SSK 2 CLASS (Anti-Sub.) 312'

24. SSK 1 CLASS (Anti-Sub.) 196'

UNITED STATES (CONT'D)

25. SST 1 CLASS (Inset shows periscopes and snorkel raised.) 130'

26. AGSS ALBACORE (Inset shows periscopes raised.) 203'

GREAT BRITAIN

27. "A" CLASS - 1st variation (Silhouette at left shows AMPHION with periscopes raised, silhouette at right shows snorkel raised.) 282'

28. "A" CLASS - 2nd variation 282'
GREAT BRITAIN (CONT' D)

29. "T-CONVERSION" - 1st variation (Silhouette shows snorkel and periscopes raised.)

30. "T-CONVERSION" - 2nd variation

31. TIRELESS - As reconstructed

32. TRITON CLASS (Inset shows conning tower variation, silhouette shows snorkel and periscopes raised.)

33. TRADEWIND - As reconstructed

GREAT BRITAIN (CONT' D.)

34. "1940 S" CLASS (Inset shows conning tower variation, silhouette shows snorkel and periscopes raised.)

35. "1940 S" CLASS - As modified for target and training duties (Silhouettes show minor appearance variations.)

36. SCOTSMAN - As reconstructed

37. SERAPH - As reconstructed

38. UNITY CLASS
39. "K-1" CLASS (Inset shows bow variation) 320'

40. "P" CLASS 287'

41. "D" CLASS 282'

42. "L-III" CLASS 266'

43. "L-II" CLASS 266'

44. "L-I" CLASS 256'

45. "S-1" CLASS 255'

46. German "TYPE XXI" CLASS (Silhouette shows snorkel and periscopes raised.) 252'

47. German "TYPE IX-C" CLASS (Silhouette shows snorkel and periscopes raised.) 252'

48. German "TYPE VII-C" CLASS (Snorkel operates in similar manner to that of "TYPE IX-C".) 221'
49. Italian TRITONE CLASS (Silhouette shows periscopes retracted.)

50. Italian ACCIAIO CLASS (Silhouette shows periscopes retracted.)

51. Estonian LEMBIT CLASS

52. "SHCH IV" CLASS

53. "SHCH IIIa" CLASS

54. "SHCH III" CLASS

55. "SHCH IIa" CLASS

56. "SHCH II" CLASS (Inset shows conning tower variation.)

57. "SHCH I" CLASS

58. "M-V" CLASS

59. "M-IV" CLASS

60. "M-III" CLASS

61. "M-II" CLASS
USSR (CONT'D.)

62. "M-I" CLASS

63. "Holland H" CLASS

64. German "TYPE XXIII" CLASS (Inset shows RDF loop and periscope raised.)

Note: The remainder of this sighting guide is arranged alphabetically by country.

ARGENTINA

65. SALTA CLASS

BRAZIL

66. Italian PERLA CLASS

CHILE

67. British "O" CLASS

68. "Holland H" CLASS

DENMARK

69. British UNITY CLASS - 1st variation

70. British UNITY CLASS - 2nd variation
71. ROLAND MORILLOT (German "TYPE XXI" CLASS modified.)

72. BOUAN (German "TYPE IX-C" modified.)

73. BLAISON (German "TYPE IX-B" CLASS.)

76. L'AURORE CLASS - 3rd variation (Silhouette shows minor bow variation.)

77. JUNON (DIANE CLASS)

78. MILLE (German "TYPE VII-C" CLASS)

79. LAUBIE (German "TYPE VII-C" CLASS)

80. SIRENE (British "1940 S" CLASS)

81. British "1940 S" CLASS - As modified for target and training duties.
GREECE

82. British UNITY CLASS

ITALY

83. U. S. GATO (SS 212) CLASS - Modernized

84. VORTICE (TRITONE CLASS modified)

85. GIADA (ACCIAIO CLASS modified)

Note: Italy also has the BARIO, a TRITONE CLASS submarine. Appearance is unknown.

NETHERLANDS

86. U. S. BALAO (SS 285) CLASS - Modernized

87. British TRITON CLASS (Inset shows bow variation, silhouette shows snorkel and periscopes raised.)

88. NEW CLASS - PROVISIONAL DRAWING

89. O-21 CLASS (Deck guns may have been removed.)

90. O-27 (Fitted with German type conning tower.)
91. German "TYPE VII-C" CLASS (KYNN shown, other Norwegian units may vary in appearance.)

221'

92. British UNITY CLASS - 1st variation

205'

93. British UNITY CLASS - 2nd variation

197'

94. TIBURON CLASS

243'

PERU

95. "Modified R Boat" CLASS

200'

96. SEP

275'

97. WILK CLASS

256'

98. British "1940 S" CLASS

217'

99. MARSUINUL

190'

100. DELFINUL

225'

RUMANIA
SPAIN

101. "D-1" CLASS

102. Italian ARCHIMEDE CLASS

103. G-7 (German "TYPE VII-C" CLASS)

SWEDEN

104. SJÖLEJONET CLASS (Silhouette shows periscopes raised.)

105. NÄCKEN CLASS

SWEDEN (CONT'D.)

106. HAJEN CLASS - PROVISIONAL DRAWING

107. "U" CLASS

THAILAND

108. MATCHANU CLASS

TURKEY

109. U. S. GATO (SS 212) CLASS - Modernized
    (Some units carry deck guns; arrangement varies, see silhouette. Inset shows conning tower variation.)

110. "AY" CLASS (Silhouette shows periscope raised.)
TURKEY (CONT'D)

111. ORUC REIS CLASS - 1st variation (Inset shows conning tower variation, silhouette shows periscopes raised.)

112. ORUC REIS CLASS - 2nd variation

YUGOSLAVIA

113. SAVA (Silhouette shows periscopes retracted.)

114. TARA (Modified "L" CLASS)

SNORKEL TYPES

I. Telescopic snorkel of U.S. TANG CLASS. Shown in "run-out" position in A and secured in B.

II. Telescopic snorkel of U.S. "GUPPY" type. Shown "run-out" in C and secured in D.

III. Telescopic snorkel fitted on U.S. submarines retaining "FLEET-TYPE" conning tower. "Run-out" in E, secured in F.

IV. Telescopic snorkel of British "T-CONVERSION" CLASS. "Run-out" in G, secured in H.

V. Folding snorkel of British "A" CLASS. Shown in upright or operating position in I and secured in J.

VI. Telescopic snorkel of ex-German "TYPE XXI" CLASS. "Run-out" in K and secured in L.

VII. Folding snorkel of ex-German "TYPE IX-C" CLASS. Shown in upright position in M and secured in a slot out into the deck in N.
GREAT BRITAIN

115. EXPLORER CLASS - PROVISIONAL DRAWING 209'

BULGARIA - See USSR section.

CHINA, COMMUNIST - See USSR section.

FRANCE

116. NARVAL CLASS 244'

117. ARETHUSE CLASS - PROVISIONAL DRAWING 162'

POLAND - See also USSR section.

RUMANIA - See also USSR section.

TURKEY

118. "FLEET-TYPE SNORKEL" 312'