



ASSOCIATION D'OCÉANOGRAPHIE PHYSIQUE

Union Géodésique et Géophysique Internationale

PUBLICATION SCIENTIFIQUE N° 23

*A Catalogue of
Mean Sea Level Data (1807-1958)*

PERMANENT SERVICE FOR MEAN SEA LEVEL

CATALOGUE OF PUBLISHED

MEAN SEA LEVEL DATA

(1807-1958)

1961

Secrétariat de l'Association :

Oceanografiska Institutet, Göteborg, Suède

Permanent Service :

The University of Liverpool Tidal Institute and Observatory,
Birkenhead, England

NOTA D'OFFICIA DELLA SOCIETA' ITALIANA DI SCIENZE FISICHE
A Catalogue of
Mean Sea Level Data (1807-1958)

TABLE OF CONTENTS

Publications of the International Association of Physical Oceanography	iv
Introduction by J. R. Rossiter	v
Table A - Monthly and Annual Mean Heights of Sea Level	1
Table B - Annual Mean Heights of Sea Level	45
Table C - Errata given in the Publications Scientifiques since the first Volume	55
Alphabetical Index	58

PUBLICATIONS OF THE INTERNATIONAL ASSOCIATION
OF PHYSICAL OCEANOGRAPHY

The Association issues two series of publications : the "Publications Scientifiques" and the "Procès-Verbaux". The following numbers have appeared :

Publications Scientifiques

- N° 1. S.F. Grace: I. Historical review of dynamical explanations of tides in non-elongated enclosed seas and lakes. II. Historical review of dynamical explanations of the tides of the Mediterranean, the Baltic Sea, the Gulf of Mexico, and the Arctic Ocean ; 1931. Out of print.
- N° 2. Tidal Bibliography (3rd instalment) ; 1932. Out of print.
- N° 3. Bibliography on tides and certain kindred matters (4th instalment) ; 1936, 1/-
- N° 4. Phil. E. Church: Temperatures of the Western North Atlantic from thermograph records ; 1937, 1/6
- N° 5. Monthly and annual mean heights of sea-level, up to and including the year 1936 ; 1940, 22/-
- N° 6. Bibliography on tides and certain kindred matters (5th instalment) ; 1939, 6d
- N° 7. J.P. Jacobsen and Martin Knudsen: Unormal 1937 or Primary Standard sea-water 1937 ; 1940, 1/4
- N° 8. Report of the committee on the criteria and nomenclature of the major divisions of the ocean bottom ; 1940, 5/6
- N° 9. B. Helland-Hansen, J.P. Jacobsen and T.G. Thompson: Chemical methods and units ; 1948, 2/-
- N° 10. Monthly and annual mean heights of sea-level, 1937 to 1946 and unpublished data for earlier years ; 1950, 15/6
- N° 11. J.P. Jacobsen, Rex J. Robinsen and Thomas G. Thompson: A review of the determination of dissolved oxygen in sea water by the Winkler Method ; 1950, 1/-
- N° 12. Monthly and annual mean heights of sea-level 1947 to 1951 and unpublished data for earlier years ; 12/-
- N° 13. Secular variation of sea-level ; 1955, 4/-
- N° 14. G. Böhnecke: The principles of measuring currents ; 1955, 3/-
- N° 15. Bibliography on Tides 1665-1939 ; 1955, 24/-
- N° 16. Report on oceanographical work from ocean weather ships ; 1957, 3/-
- N° 17. Bibliography on Tides 1940-1954 ; 1957, 8/-
- N° 18. Bibliography on generation of currents and changes of surface level in oceans, seas and lakes by wind and atmospheric pressure 1726-1955 ; 8/-
- N° 19. Monthly and annual mean heights of sea-level, 1952 to 1956, and unpublished data for earlier years ; 1958, 12/-
- N° 20. Monthly and annual mean heights of sea-level for the period of the International Geophysical Year (1957-1958) and unpublished data for earlier years ; 1959, 6/-
- N° 21. Manual of instruments and methods for measuring currents.
- N° 22. Bibliographical Classification.

Procès-Verbaux

- N° 1. Cinquième Assemblée Générale réunie à Lisbonne, septembre 1933 ; 1934, 1/6
- N° 2. General Assembly at Edinburgh, September 1936 ; 1937. Out of print.
- N° 3. General Assembly at Washington, September 1939 ; 1940, 3/6
- N° 4. General Assembly at Oslo, August 1948 ; 1949. Out of print.
- N° 5. General Assembly at Brussels, August 1951 ; 1952, 18/-
- N° 6. General Assembly at Rome, September 1954 ; 1955, 30/-
- N° 7. General Assembly at Toronto, September 1957 ; 1960, 35/-

These publications form a continuation of the "Bulletins de la Section d'Océanographie de l'Union Géodésique et Géophysique Internationale", of which there were 17 numbers, N° 1 being issued in 1921 and N° 17 in 1931. Out of print.

A Catalogue of Mean Sea Level Data (1807-1958)

INTRODUCTION

The five volumes of mean sea level data, published in the first instance by the International Association of Physical Oceanography and later by the Permanent Service for Mean Sea Level in conjunction with the Association, represent the most comprehensive collection of man's knowledge of variations in sea level throughout the world's oceans and seas as derived from observations.

As the number of observing stations slowly increases, and as greater care and attention is paid to ensuring the accuracy and reliability of the observations of mean sea level and their reduction to monthly and annual means, there is gradually being built up a collection of data which will enable oceanographers, geophysicists and others to test the validity of various theoretical solutions for many problems still unresolved. Some statement of the data available for study is therefore overdue, and the catalogue is an attempt to list the data from about 800 stations which have appeared in Publications Scientifiques Nos 5, 10, 12, 19 and 20. Sufficient space has been left for the individual user of the catalogue to keep it up to date as future volumes of data become available.

The catalogue is in three parts, Tables A, B and C. Table A lists ports for which monthly and annual mean values of sea level have been published, and Table B lists those stations for which only annual means have been published. In both these tables the layout is the same. The stations are listed, as far as possible, in geographical order, the progression commencing in the Arctic with Iceland and the U.S.S.R. Arctic coast, and proceeding along the coastlines of Europe, Africa, Asia, Australia and America. An alphabetical index is provided on pages 58-64. For all stations the data are represented in decades; a dot (.) indicates that no data are available for that year, and one blank space divides each decade in two. A capital letter indicates that data for the year in question are complete; a small letter indicates that the data are incomplete or that some of the data for that year are questionable (due to incomplete records, for example). The following alphabetical code has been used:

Publication Scientifique N°	Code Letter
5	A, a
10	B, b
12	C, c
19	D, d
20	E, e

In general, and for any given station, the catalogue covers the period commencing with the decade of the first known observations and ending with 1958, the last year for which data have been published (Publication Scientifique N° 20). Exceptions have been made in the cases where data have not been forthcoming for some considerable time, the assumption having been made that the tide observing installation no longer exists; for such stations the list has been ended by the decade in which the last published data

appeared. As an example the following entry in Table A

1890 .aaAA A...B 1900 BBBBB BBB..

indicates that incomplete data for 1891 and 1892 can be found in Pub. Sci. N° 5, complete data for 1893 to 1895 in the same volume, and complete data for 1899 to 1907 in Pub. Sci. N° 10.

Table C summarises the errata which have appeared in the Publications Scientifiques since the first volume. The Permanent Service will be grateful to learn of any additions to this list which may be apparent to contributing authorities.

For stations situated in countries where political changes have resulted in the name of the country being changed, data having been published before the change took place, both former and present names of the country are given in the tables and in the index. For stations which have changed their name the modern name is used if modern data are available; otherwise the original name of the station is used, as given in the earlier publications.

The chart in the back cover gives some idea of the distribution of mean sea level stations throughout the world; it has been based on data received for the last two publications (Nos 19 and 20). It will be seen that there are still many areas for which information is scarce or non-existent, and the Permanent Service would like to know of any stations (and the authorities maintaining them) which are not shown on the chart or in Tables A and B.

J. R. Rossiter
Director,
Permanent Service for Mean Sea Level

TABLE A

ICELAND

	REYKJAVIK		64°09' N	21°56' W
1950	.C			
	GRINDAVIK		63°48' N	23°39' W
1950	. . . . .	. . . e		

FINLAND (ARCTIC COAST)

	LIINAHAMARI		69°39' N	31°22' E
1930	.AAAA AABb			

U. S. S. R. (ARCTIC COAST)

	MURMANSK		68°58' N	33°03' E
1950	. . . . .	. . eE		
	RUSSKAYA GAVAN		76°14' N	62°32' E
1950	. . . . .	. . . e		
	CAPE ZHELANJIJA		76°57' N	68°35' E
1950	. . . . .	. . . e		
	CAPE CHELYUSKIN		77°43' N	104°17' E
1950	. . . . .	. . . e		
	CAPE SCHMIDT		68°55' N	179°28' E
1950	. . . . .	. . . e		

NORWAY

	VARDØ		70°20' N	31°06' E			
1880	a aAaA A	1890	. . . . .	1900	. . . . .	1910	. . . . .
1920	. . . . .	1930	. . . . .	1940	. . . . . cCC	1950	C c d d d e e E E
	BERLEVÅG				70°51' N		29°06' E
1930	. . . . .	. . . . . B	1940	B b . B b			
	HAMMERFEST				70°40' N		23°40' E
1950	. . . . .	. . . eE					
	TROMSØ				69°39' N		18°58' E
1950	. . dDD DEE .						
	ANDENES				69°19' N		16°09' E
1930	. . . . .	. . . BB	1940	BB b b b B b C c C	1950	C c D D D e . . .	
	RISOYHAMN				68°58' N		15°39' E
1950	. . . . .	. . . e . .					
	HARSTAD				68°48' N		16°33' E
1950	. . dDD EEE .						

NORWAY (Continued)

	EVENSKJAER				68°35' N	16°33' E					
1940	.....	.. cC c	1950	CCDDD	EEE.				
	NARVIK				68°26' N	17°25' E					
1920 aA	1930	aaAAA	aaBBB	1940 cc	1950	CCDDD	EEEE
	KABELVÅG				68°13' N	14°29' E					
1880	aaAaA	A....	1890	1900	1910
1920	1930	1940DD	1950	DCDDD	EEE.
	BODÖ				67°17' N	14°23' E					
1940 c	1950	Ccddd	eeEE						
	MORANA				66°19' N	13°37' E					
1950	.cDd.									
	MOSJÖEN				65°51' N	13°12' E					
1950	eEEe									
	BRØNNØYSUND				65°29' N	12°13' E					
1950ee.									
	TRONDHEIM				63°26' N	10°26' E					
1870	...aaa	...aa.	1880	aa...	1890	1900
1910	1920	1930	1940	cc..D
1950	CCDDD	DDE.									
	HEIMSJÖ				63°26' N	09°07' E					
1930	aabBB	1940	BB, bb	BBCcC	1950	CCDDD	EEEc			
	KRISTIANSUND, N.				63°07' N	07°44' E					
1950	..dDD	E...									
	MOLDE				62°44' N	07°10' E					
1950d									
	BORGUND				62°27' N	06°18' E					
1950E.									
	ALESUND				62°28' N	06°09' E					
1940	cc...	1950	.CDDD	DE..						
	KJÖLSDAL				61°55' N	05°38' E					
1930	aaBBb	1940	Bb, b.	BBCCC	1950	CCDDD	eeee			
	MÅLÖY				61°56' N	05°07' E					
1940	eCCC.	1950	..dDD	EEE.						
	BERGEN				60°24' N	05°18' E					
1880	...AA	AAaaA	1890	1900	1910
1920AA	1930	AAAAA	AABBB	1940	B...b	.BCCC	1950	CcDDD	EEEE
	OSLO				59°54' N	10°45' E					
1880	aAAAA	1890	A....	1900	1910
1920AA	1930	aaaaA	AABBB	1940	BBBBb	BBCCC	1950	CCDDD	eEEE

NORWAY (Continued)

OSCARSBORG				59°40' N	10°37' E				
1870	.. aAA	aAaAA	1880 AAA..	.....	1890 .....	.....	1900 .....	.....
1910	.....	.....	1920 .....	.....	1930 .....	.....	1940 .....	.....
1950	... dD	EE..							
HAUGESUND				59°25' N	05°11' E				
1950	.....	... e						
STAVANGER				58°58' N	05°44' E				
1880	. aaaa	a....	1890 .....	.....	1900 .....	.....	1910 .....	.....
1920	.....	... AA	1930 aAAaA	aabBB	1940 .....	.....C	1950 CCDDD	EEEE
ARENDAL				58°27' N	08°47' E				
1880	.....	. aaaa						
JOSSINGFJORD				58°20' N	06°22' E				
1950	.....	. e..						
HORTEN				59°25' N	10°29' E				
1930	.....A	.....						
TREGDE				58°00' N	07°34' E				
1930	.....	aAbBB	1940 B. bB.	BCCCC	1950 CCDDD	EEEE		
NEVLUNGHAVN				58°58' N	09°53' E				
1930	.....	aABB	1940 bb. BB	BCCCC	1950 CC aDD	EeEE		
SWEDEN									
STRÖMSTAD				58°57' N	11°11' E				
1900	aAAAA	AAAAA	1910 AAAAA	AAAAA	1920 AAAAA.	AAaAA	1930 AAAAA	AA BBB	
1940	B.....	. bCCC	1950 CCDDD	DDEE					
SMÖGEN				58°22' N	11°13' E				
1910	. AAAA	AAAAA	1920 AAAAA	AAAAA	1930 AAAAA	AA BBB	1940 BB BBB	BCCCC	
1950	CCDDD	DDEE							
BÄCKEVIK				58°22' N	11°15' E				
1890	.....	AAAAA	1900 AAAAA	AAAAA	1910 AAAAA	AAAAA	1920 AAAAA	AAAA
GÖTEBORG				57°43' N	11°57' E				
1880	.....	.. AAA	1890 AAAAA	AAAAA	1900 A. AAA	AAAAA	1910 AAAAA	AAAAA
1920	AAAAA	AAAAA	1930 AAAAA	AA BBB	1940 BBB BB	BCCCC	1950 CCDDD	DDEE	
VARBERG				57°06' N	12°13' E				
1880	.....	.. AAA	1890 AAAAA	AAAAA	1900 A aAAA	AAAAA	1910 AAAAA	AAAAA
1920	AAAAA	AAAAA	1930 AAAAA	a BBB	1940 BBB BB	BCCCC	1950 CCDDD	DD eE	
KLAGSHAMN				55°31' N	12°54' E				
1920	.....	.... a	1930 AAAAA	AA BBB	1940 BBB BB	BCCCC	1950 CCDDD	DDE e
LIMHAMN				55°35' N	12°56' E				
1920	.....	... aA	1930 AAAAA	AA...				
YSTAD				55°25' N	13°49' E				
1880	.....	.. AAA	1890 AAAAA	AAAAA	1900 AAAAA	AAAAA	1910 AAAAA	AAAAA
1920	AAAAA	AAAAA	1930 AAAAA	AA BBB	1940 BBB BB	BCCCC	1950 CCDDD	DDEE	

SWEDEN (Continued)

KUNGHOLMS FORT (KARLSKRONA)				56°06' N	15°35' E
1880	.....	..AAA	1890 AAAAA AAAAA	1900 AAAAA AAAAA	1910 AAAAA AAAAA
1920	AAAAA	AAAAA	1930 AAAAA AABBB	1940 BBBBB BBCC	1950 CCDD DD e e
ÖLANDS N. UDDE				57°22' N	17°06' E
1920	...AA	AAAAA	1930 AAAAA AABBB	1940 BBBBB BBCC	1950 CCDD DDEE
MEM				58°29' N	16°25' E
1880	.....	..AAA	1890 AAAAA AAAAA	1900 AAAAA AAAAA	1910 AAAAA AAAAA
1920	AAAAA	A.....			
NEDRE NYKÖPING				58°45' N	17°01' E
1900	.....	..... a	1910 AAAAA AAAAA	1920 A.....	.....
LANDSORT				58°45' N	17°52' E
1880	.....	..AAA	1890 AAAAA AAAAA	1900 AAAAA AAAAA	1910 AAAAA AAAAA
1920	AAAAA	AAAAA	1930 AAAAA AABBB	1940 BBBBB BBCC	1950 CCDD DDEE
NEDRE SÖDERTÄLJE				59°12' N	17°37' E
1860	.....	....A	1870 AAAAA AAAAA	1880 AAAAA AAAAA	1890 AAAAA AAAAA
1900	AAAAA	AAAAA	1910 AAAAA AAAAA	1920 AAAAA AAAAA	1930 AAAAA AABBB
1940	BBBBB	BCC	1950 CCDD DDEE		
STOCKHOLM				59°19' N	18°05' E
1880	.....	....A	1890 AAAAA AAAAA	1900 AAAAA AAAAA	1910 AAAAA AAAAA
1920	AAAAA	AAAAA	1930 AAAAA AABBB	1940 BBBBB BBCC	1950 CCDD DD e E
GRÖNSKÄR				59°17' N	19°02' E
1920	.. aAA	AAAAA	1930 A.....	.....
BJÖRN				60°38' N	17°58' E
1890	..AAA	AAAAA	1900 AAAAA AAAAA	1910 AAAAA AAAAA	1920 AAAAA AAAAA
1930	AAAAA	AABBB	1940 BBBBB BBCC	1950 CCDD DDEE	
NEDRE GÄLVE				60°40' N	17°10' E
1890	.....	.AAAA	1900 AAAAA AAAAA	1910 AAAAA AAAAA	1920 AAAAA AAAAA
1930	AAAAA	AABBB	1940 BBBBB BBCC	1950 CCDD DDEE	
DRACHÄLLAN (SUNDSVALL)				62°20' N	17°28' E
1890	.....	...AA	1900 AAAAA AAAAA	1910 AAAAA AAAAA	1920 AAAAA AAAAA
1930	AAAAA	AABBB	1940 BBBBB BBCC	1950 CCDD DDEE	
RATAN				64°00' N	20°55' E
1890	..AAA	AAAAA	1900 AAAAA AAAAA	1910 AAAAA AAAAA	1920 AAAAA AAAAA
1930	AAAAA	AABBB	1940 BBBBB BBCC	1950 CCDD DDEE	
FURUÖGRUND				64°55' N	21°14' E
1910	.....	.AAAA	1920 AAAAA AAAAA	1930 AAAAA AABBB	1940 BBBBB BBCC
1950	CCDD	DDEE			

FINLAND (BALTIC COAST)

KEMI				65°44' N	24°33' E
1920	AA aAA	AAA aA	1930 AAAAA AABBB	1940 bBBBB CCCCC	1950 CCDD DDEE

FINLAND (BALTIC COAST) (Continued)

OULU / ULEÅBORG (formerly TOPPILA)				65°02' N	25°26' E
1890	.....	....A	1900	AAAAA	AAAAA
1930	AAaAa	aabbb	1940	BBBBB	CcCC
1910	AAAAA	AAAAA	1950	CcDD	DDEE
RAAHE / BRAHESTAD (formerly HORNANKALLIO)				64°42' N	24°30' E
1920	..aAA	AAAAA	1930	AAAAA	AABBB
1940	BBBBB	CCCCC	1950	CCDD	DDEE
YKSPIHLAJA (YXPILÄ)				63°50' N	23°02' E
1880	.....	....a	1890	AAAAA	AAAAA
1920	AAAAA	.....	1900	AAAAA	AAAAA
1910	.....a	AAAAA	1920	AAAAA	AAAAA
1950	CCDD	DDEE	1930	AAAAA	AABBB
1940	bBBBB	CCCCC	1950	bBBBB	CCCCC
VAASA / VASA (formerly VÄSKILUOTO)				63°06' N	21°34' E
1880	...aA	AAAAA	1890	AAAAA	AAAAA
1920	AAAAA	AAAAA	1930	AAAAA	AABBB
1940	BBBBB	CCcC	1950	BBBBB	CCcC
1950	CCCCC	DDee	1950	Ccdd	DDee
RÖNNSKÄR				63°04' N	20°48' E
1860	.....	...AA	1870	AAAAA	AAAAA
1900	AAAAA	AAAAA	1910	A....	.....
1880	AAAAA	AAAAA	1880	AAAAA	AAAAA
1920	AAAAA	AAAAa	1920	AAAAA	AAAAa
1890	AAAAA	AAAAA	1930	AAAAA	AA...
1900	AAAAA	AA...	1900	AAAAA	AAAAA
1910	AAAAA	AAAAA	1910	AAAAA	AAAAA
KASKINEN (KASKÖ)				62°23' N	21°13' E
1920	.....	..aAA	1930	AAAAA	aBBBB
1940	bBBBB	CCcC	1950	Ccdd	DDEE
SÄLGRUND				62°20' N	21°12' E
1910	.....	....a	1920	AAAAA	AAAA.
REPOSAARI (RÄFSÖ)				61°37' N	21°27' E
1880	.....	....A	1890	AAAAA	AAAAA
1920	AAAAA	AA...	1900	AAAAA	AAAAA
1910	AAAAA	AAAAA	1910	AAAAA	AAAAA
MÄNFYLUOTO				61°36' N	21°29' E
1910	aAAAA	AAAAA	1920	AAAAA	aAAAA
1950	CCDD	DDEE	1930	AAAAA	AABBB
1940	BBBBB	CCCCC	1940	BBBBB	CCCCC
SÄPPI (SÄBBSKÄR)				61°29' N	21°20' E
1910	.....	....a	1920	aAAAA	AAAAA
1930	AAAAA	AA...	1930	AAAAA	AA...
RAUMA / RAUMO				61°08' N	21°29' E
1930	...AA	AABBB	1940	BBBBB	CCCCC
1950	CCDD	DDEE	1950	CCDD	DDEE
TVÄRMINNE				59°51' N	23°15' E
1920	.AAAA	AAAAA	1930	AAAAA	AA...
SKURU				60°06' N	23°33' E
1900	AAAAA	AAAAA	1910	AAAAA	AAAAA
1920	AAAAA	aAAAA	1920	AAAAA	aAAAA
1930	AAAAA	AA...	1930	AAAAA	AA...
HELSINKI (HELSINGFORS)				60°09' N	24°58' E
1850	.....	...AA	1860	AAa..	.....
1890	AAAAA	AAAAA	1900	AAAAA	AAAAA
1930	AAAAA	AABBB	1940	BBBBB	CCCCC
1870	.....	....A	1870	.....	....A
1910	AAAAA	AAAAA	1910	AAAAA	AAAAA
1950	CCDD	DDEE	1950	CCDD	DDEE
1880	AAAAA	AAAAA	1880	AAAAA	AAAAA
1920	AAAAA	AAAAA	1920	AAAAA	AAAAA
1890	AAAAA	AAAAA	1890	AAAAA	AAAAA
1930	AAAAA	AA...	1930	AAAAA	AA...
SÖDESKÄR				60°07' N	25°25' E
1860	.....	..AAa	1870	AAAAA	AAAAA
1900	AAAAA	AAAAA	1910	AAAAA	AAAAA
1880	AAAAA	AAAAA	1880	AAAAA	AAAAA
1920	AAAAA	AAAAA	1920	AAAAA	AAAAA
1890	AAAAA	AAAAA	1890	AAAAA	AAAAA
1930	AAAAA	AA...	1930	AAAAA	AA...

FINLAND (BALTIC COAST) (Continued)

	KOTKA		60°27' N		26°57' E	
1900	... AA	1910 AAA.A AAAA a	1920 AAAAA AAA..			
	SUURSAARI (HOGLAND)		60°05' N		26°59' E	
1910	... a	1920 AAAAA a aAAA	1930 AA aAA AA...			
	HAMINA (FREDRIKSHAMN)		60°34' N		27°11' E	
1920	... aA	1930 AAAAA AABBB	1940 BBBB CCCCC	1950 CCDD	dDEE	
	KOIVISTO (BJÖRKÖ)		60°21' N		28°37' E	
1920	aA a a	aAAAA	1930 AAAAA AABBB			
	VIIPURI (VIBORG)		60°42' N		28°44' E	
1880	... A	1890 AAAAA AAAAA	1900 AAAAA AAAAA	1910 AAAAA AAAAA		
1920	AAAAA AAAAA	1930 AAAAA AABBB	1940 ... bb			
	LYÖKKI (LÖKÖ)		60°51' N		21°11' E	
1850	... AA	1860 AAAAA AAAAA	1870 AAAAA AAA aA	1880 AAAAA AAAAA	1890 AAAAA AAAAA	
1890	AAAAA AAAAA	1900 AAAAA AAAAA	1910 AAAAA AAAAA	1920 AAAAA AAAAA		
1930	AAAAA AA...					
	LYPYRTTI (LYPERTÖ)		60°36' N		21°14' E	
1850	... AA	1860 AAAAA AAAAA	1870 AAAAA A aAAA	1880 AAAAA AAAAA	1890 AAAAA AAAAA	
1890	AAAAA AAAAA	1900 AAAAA AAAAA	1910 AAAAA AAAAA	1920 AAAAA AAAAA		
1930	AAAAA AA...					
	TURKU / ÅBO (formerly RUISSALO)		60°25' N		22°06' E	
1920	.. AAA	1930 AAAAA AABBB	1940 b bBBB cCCCC	1950 CCDD	DdEE	
	HELIGMAN (HELLMAN)		60°12' N		19°18' E	
1920	aAAAA AAAAA	1930 AAAAA AA...				
	KOBBAKLINTAR		60°02' N		19°53' E	
1880	... aaaaa	1890 aaaaa aaaaa	1900 aaaaa aaaaa	1910 aa...		
1920	aAAAA . AAAAA	1930 AAAAA AA...				
	LEMSTRÖM		60°06' N		20°01' E	
1880	... A	1890 AAAAA AAAAA	1900 AAAAA AAAAA	1910 AAAAA AAAAA		
1920	AAAAA AAAAA	1930 AA aAA AA...				
	DEGERBY		60°02' N		20°23' E	
1920	... A	1930 AAAAA AABBB	1940 bBBB CCCCC	1950 CCDD	DDEE	
	UTÖ		59°47' N		21°22' E	
1860	... AAAAA	1870 AAAAA AAAAA	1880 AAAAA AAAAA	1890 AAAAA AAAAA	1900 AAAAA AAAAA	
1900	AAAAA AAAAA	1910 AAAAA a AAA aA	1920 AAAAA AAAAA	1930 AAAAA AA...		
	LOHM		60°06' N		21°40' E	
1920	aAAAA AAA..					
	JUNGFRUSUND		59°57' N		22°22' E	
1850	... AA	1860 AAAAA AAAAA	1870 AAAAA AAAAA	1880 AAAAA AAAAA	1890 AAAAA AAAAA	
1890	AAAAA AAAAA	1900 AAAAA AAAAA	1910 AAAAA AAAAA	1920 AAAAA AAAAA		
1930	AAAAA					

FINLAND (BALTIC COAST) (Continued)

STRÖMMA				60°11' N		22°53' E					
1890	.....	....A	1900	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	AAAAaA
1930	AAAAA	AA...									
HANKO (HANGÖ)				59°49' N		22°58' E					
1880	.....	...eeE	1890	Eeeee	EAAAA	1900	AAAA.	.....	1910	.....	.....
1920	AAAA	AAAAA	1930	AAAAA	Aabbb	1940	...bbb	CCCcC	1950	CCDDD	DDEE
RUSSARÖ (HANKO, HANGÖ)				59°46' N		22°57' E					
1860	.....	.AaaA	1870	AAAAA	AAAAA	1880	AAAAA	AAAAA	1890	AAAAA	AaAAAA
1900	AAAAA	AAAAA	1910	AAAAa	AAAAaA	1920	AaAAA	.AAAA	1930	AAAAA	AA...

U. S. S. R. (BALTIC COAST) (formerly ESTONIA)

TALLINN (REVAL)				59°27' N		24°48' E	
1920	.....	...AA	1930	AAAAA	AABB.		
VILSANDI (FILSAND)				58°23' N		21°49' E	
1920	.....	...AA	1930	AAAAA	AABb.		

U. S. S. R. (BALTIC COAST) (formerly LATVIA)

SALACGRIVA (SALISMÜNDE)				57°45' N		24°22' E					
1920	.....	....A	1930	AAAAA	AA...				
AINAŽI (HAINASCH)				57°53' N		24°20' E					
1920	.....	....a	1930	AAAAA	AA...				
DZIRNUPE (MÜLGRÄVIS MÜHLGRABEN)				57°01' N		24°07' E					
1930	aAAAA	AA...									
RIGAS VECAIS DZELZS TILTS (RIGA OLD IRON BRIDGE)				56°57' N		24°07' E					
1870	..aAA	aAAAA	1880	AAAAA	AAAAA	1890	AAAAA	AAAAA	1900	AAAAA	AAAAA
1910	AAAAA	a a a A a	1920	aAAAA	AA a a A	1930	AAAAA	AA...			
ANDREJOSTA (ANDREASHAFEN)				56°58' N		24°06' E					
1930	AAAAA	AA...									
DAUGAVGRIVA (DŪNAMŪNDE)				57°03' N		24°02' E					
1870	..AAa	AAAAA	1880	AAAAA	AAAAA	1890	AAAAA	AAAAA	1900	AAAAA	AAAAA
1910	AAAAA	AAa..	1920	..aAA	AAAAA	1930	AAAAA	AABB.			
MĒRSRAGS (MESSARAGOTSEM MARKGRAFEN)				57°20' N		23°07' E					
1920	.....	....A	1930	AAAAA	AA...				
ROJA (ROJEN)				57°30' N		22°48' E					
1930	..aAA	AA...									
KOLKASRAGS (DOMESNĀS)				57°48' N		22°38' E					
1880A	AAAAA	1890	AAAA.	1900	.AAAA	AAAAA	1910	AAAA.
1920	aAAAA	1930	AAAAA	AA...						
VENTSPILS (WINDAU)				57°24' N		21°33' E					
1870	...AA	AAAAA	1880	AAAAA	AAAAA	1890	AAAAA	AaAAA	1900	AAAaA	AAAAA
1910	AAAA.	1920	aAAAA	AAAAA	1930	AAAAA	AA...			

U. S. S. R. (BALTIC COAST) (formerly LATVIA) (Continued)

	PĀVILOSTA (PAULSHAFEN)		56°54' N		21°11' E						
1920	.....	.... a	1930	AAAAA	AA...				
	PAPE (PAPENSEE)		56°09' N		21°02' E						
1920	.....	.... a	1930	AAAAA	AA...				
	LIEPĀJA (LIBAU)		56°32' N		20°59' E						
1860	AAAAA	1870	AAAAA	AAAAA	1880	AAAAA	AAAAA	1890	AAAA.	.AAAA
1900	AAAAA	AAAAA	1910	AAAA.	1920	.AAAA	AAAAA	1930	AAAAA	AA BB.

U. S. S. R. (BALTIC COAST) (formerly LITHUANIA)

	KLAIPEDA (MEMEL)		55°42' N		21°08' E			
1930	.....	.. BB.				
	MEMEL		55°43' N		21°07' E			
1890 AA	1900	AAAAA	AAAAA	1910	AAAAA	AAAA a

U. S. S. R. (BALTIC COAST)

	KALININGRAD		54°57' N		20°13' E						
1950	.....	.. eE							
	PILLAU (formerly Germany)		54°38' N		19°54' E						
1890 AA	1900	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	AAAAA
1930	AAAAA	AA BB b	1940	b BBB.						

POLAND

	HEL		54°36' N		18°48' E						
1900	.CCCC	CCCCC	1910	CCCCC	C....	1920	1930	. aAAA	AC BB.
	JASTARNIA		54°42' N		18°41' E						
1930	... cC	CCCC.									
	NOWY PORT		54°25' N		18°40' E						
1880CCCC	1890	CCCCC	CCCCC	1900	CCCCC	CCCCC	1910	CCCCC	CCCCC
1920	CCCCC	CCCCC	1930	CCCCC	CCCC						
	GDYNIA		54°32' N		18°33' E						
1930	.AAAA	AA BB.									
	PUCK		54°44' N		18°25' E						
1900	.CCCC	CCCCC	1910	C....	1920	1930	. cCCC	CCCC.
	STOLPMÜNDE (formerly Germany)		54°35' N		16°51' E						
1910	.AAAA	AAAAA	1920	AAAAA	AAAAA	1930	AAAA a	AA BB b	1940	BB BB.
	SWINEMÜNDE (formerly Germany)		53°56' N		14°17' E						
1810	.AAAA	AAAAA	1820	AA a aA	AAAAA	1830	AAAAA	AAAAA	1840	AAAAA	AAAAA
1850	AAAAA	AAAAA	1860	AAAAA	AAAAA	1870	AAAAA	AAAAA	1880	AAAAA	AAAAA
1890	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	AAAAA	1930	AAAAA	AA BB b
1940	BB B b.									

GERMANY (BALTIC COAST)

	ARKONA		54°41' N		13°26' E						
1880	..AAA	AAAAA	1890	AAAAA	AAAAA	1900	AAAAA	AAAAA	1910	A aAAA	aaaaA
1920	AAAAA	AAAAA	1930	AA aAA	a....						

GERMANY (BALTIC COAST) (Continued)

WARNEMÜNDE				54°11' N		12°05' E	
1880	. . AAA	AAAAA	1890	AAAAA	AAAAA	1900	AAAAA AAAAA
1920	AAAAA	AAAAA	1930	AAAAA	AA BBB	1940	bbbb.
WISMAR				53°54' N		11°28' E	
1880	. . AAA	AAAAA	1890	AAAAA	AAAAA	1900	AAAAA - AAAAA
1920	AAAAA	AAAAA	1930	AAAAA	AA BBB	1940	bbbb.
TRAVEMÜNDE				53°58' N		10°53' E	
1850	. . . . .	-AAAAA	1860	AAAAA	AAAAA	1870	AAAAA AAAAA
1890	AAAAA	AAAAA	1900	AAAAA	AAAAA	1910	AAAAA AAAAA
1930	AAAAA	A a BBB	1940	Bbbb.	. . . . .	
MARIENLEUCHE				54°30' N		11°15' E	
1880	. . AAA	AAAAA	1890	AAAAA	AAAAA	1900	AAAAA AAAAA
1920	AA aAA	AAAAA	1930	AAAAA	AA Bbb	1940	Bbbb.
DENMARK							
GEDSER				54°34' N		11°58' E	
1890	. . . . .	. . . AA	1900	AAAAA	AAAAA	1910	AAAAA AAAAA
1930	AAAAA	AA BBB	1940	B BBBB	B BCCC	1950	CCDDD DDEE
RØDBYHAVN				54°39' N		11°21' E	
1950	. . . . .	D dEE					
KØBENHAVN				55°41' N		12°36' E	
1880	. . . . .	. . . . A	1890	AAAAA	AA aAA	1900	AAAAA AAAAA
1920	AAAAA	AAAAA	1930	AAAAA	AA BBB	1940	B BBBB B BCCC
1950							CCDDD DDEE
HORNBAEK				56°06' N		12°28' E	
1890	. . . . .	. . . AA	1900	AA a aA	AAAAA	1910	AAAAA AAAAA
1930	AAAAA	AA BBB	1940	B BBBB	B BCCC	1950	CCDDD DDE e
1920							AAAAA AAAAA
KORSØR				55°20' N		11°08' E	
1890	. . . . .	. . AAA	1900	AAAAA	AAAAA	1910	AAAAA AAAAA
1930	AAAAA	AA BBB	1940	B BBBB	B BCCC	1950	CCDDD DDEE
1920							AAAAA AAAAA
SLIPSHAVN				55°17' N		10°50' E	
1890	. . . . .	. AAAA	1900	AAAAA	AAAAA	1910	AA aAA AAAAA
1930	AAAAA	AA BBB	1940	B BBBB	B BCCC	1950	CCDDD dDEE
1920							AAAAA AAAAA
MOMMARK				54°56' N		10°04' E	
1920	. . . . .	CCC . .	1930	. . . . .	. . . . .	1940	. . . . . . . . c
1950							CCDDD D d . .
FREDERICIA				55°34' N		09°46' E	
1880	. . . . .	. . . . a	1890	AAAA a	AAAAA	1900	AAAAA AAAAA
1920	AAAAA	AAAAA	1930	AAAAA	AA BBB	1940	B BBBB B BCCC
1960							CCDDD DDEE
AARHUS				56°09' N		10°13' E	
1880	. . . . .	. . . aA	1890	AAAAA	AAAAA	1900	AAAAA AAAAA
1920	AAAAA	AAAAA	1930	AAAAA	AA BBB	1940	B BBBB B BCCC
1950							AAAAA AAAAA
1960							CCDDD D dEE
FREDERIKSHAVN				57°26' N		10°34' E	
1890	. . . aA	AAAAA	1900	AAAAA	AAAAA	1910	AAAAA AAAAA
1930	AAAAA	AA BBB	1940	B BBBB	B BCCC	1950	CCDDD D d e .
1920							AAAAA AAAAA

DENMARK (Continued)

HIRTSHALS					57°36' N		09°57' E				
1890	. . . A aA	AA aAA	1900	AA aAA	AAA aA	1910	aAA aA	AAAA	1920	AAAA	AAAA
1930	AAAAA	AABBB	1940	BBBBB	BBCCC	1950	CCDDD	DD eE			
HANSTHOLM					57°08' N		08°36' E				
1950	. . . DD	dd . .									
ESBJERG					55°28' N		08°27' E				
1880	. . . . .	. . . . . a	1890	AAAAA	AAAAA	1900	AAAAA	AAAAA	1910	AAAAA	AAAAA
1920	AAAAA	AAAAA	1930	AAAAA	AABBB	1940	BBBBB	BBCCC	1950	CCDD .	DDEE

GERMANY (NORTH SEA)

CUXHAVEN					53°52' N		08°43' E				
1930	. . . . .	. . . DD	1940	DDDDD	D dDDD	1950	DDDDD	DD . .			
BREMERHAVEN					53°33' N		08°34' E				
1890	. . . . .	. . . AA	1900	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	AAAAA
1930	AAAAA	AABBB	1940	Bbbb .	. . . . .					

NETHERLANDS

DELFIJL					53°20' N		06°56' E				
1860	. . . . .	aA aAA	1870	aAAAA	AAAAA	1880	A aAAA	AAAAA	1890	AAAAA	AAAAA
1900	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	AAAAA	1930	AAAAA	AABBB
1940	BBBBB	BBCCC	1950	CCDDD	DEEEE						
TERSCHELLING					53°22' N		05°13' E				
1920	. AAAA	AAAAA	1930	AAAAA	AABBB	1940	BBBBB	BBCCC	1950	CCDDD	DEEEE
HARLINGEN					53°10' N		05°25' E				
1860	. . . . .	AAAAA	1870	AAAAA	AAAAA	1880	AAAAA	AAAAA	1890	AAAAA	AAAAA
1900	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	AAAAA	1930	AAAAA	AABBB
1940	BBBBB	BBCCC	1950	CCDDD	DEEEE						
DEN HELDER					52°58' N		04°45' E				
1860	. . . . .	AAAAA	1870	AAAAA	AAAAA	1880	AAAAA	AAAAA	1890	AAAAA	AAAAA
1900	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	AAAAA	1930	AAAAA	AABBB
1940	BBBBB	BBCCC	1950	CCDDD	DEEEE						
IJMUIDEN					52°28' N		04°35' E				
1870	. aAAA	AAAAA	1880	AAAAA	AAAAA	1890	AAAAA	AAAAA	1900	AAAAA	AAAAA
1910	AAAAA	AAAAA	1920	AAAAA	AAAAA	1930	AAAAA	AABBB	1940	BBBBB	BBCCC
1950	CCDDD	DEEEE									
HOEK VAN HOLLAND					51°59' N		04°07' E				
1860	. . . . A	AAAAA	1870	AAAAA	AAAAA	1880	AAAAA	AAAAA	1890	AAAAA	AAAAA
1900	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	AAAAA	1930	AAAAA	AABBB
1940	BBBBB	BBCCC	1950	CCDDD	DEEEE						
MASSLUIS					51°55' N		04°15' E				
1840	. . . . .	. . . AA	1850	AAAAA	AAAAA	1860	AAAAA	AAAAA	1870	AAAAA	AAAAA
1880	AAAAA	AAAAA	1890	AA aAA	AAAAA	1900	AAAAA	AAAAA	1910	AAAAA	AAAAA
1920	AAAAA	AAAAA	1930	AAAAA	AA . . .						
HELLEVETSLSUIS					51°49' N		04°08' E				
1860	. AAAA	AAAAA	1870	AAAAA	AAAAA	1880	AAAAA	AAAAA	1890	AAAAA	AAAAA
1900	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	AAAAA	1930	AAAAA	AABBB
1940	BBBBB	bBCCC	1950	CCDDD	DEEEE						

NETHERLANDS (Continued)

BROUWERSHAVEN				51°44' N				03°54' E			
1870	..AAA	AAAAA	1880	AAAAA	AAAAA	1890	AAAAA	AAAAA	1900	AAAAA	AAAAA
1910	AAAAA	AAAAA	1920	AAAAA	AAAAA	1930	AAAAA	AABbB	1940	BBBBB	bBcCC
1950	CCDDD	DeEE									
ZIERIKZEE				51°38' N				03°55' E			
1870	..AAA	AAAAA	1880	AAAAA	AAAAA	1890	AAAAA	AAAAA	1900	AAAAA	AAAAA
1910	AAAAA	AAAAA	1920	AAAAA	AAAAA	1930	AAAAA	AABbB	1940	BBBBb	bbccC
1950	CCDDd	DEEE									
VLISSINGEN				51°27' N				03°26' E			
1860	..AAA	AAAAA	1870	AAAAA	AAAAA	1880	AAAAA	AAAAA	1890	AAAAA	AAAAA
1900	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	AAAAA	1930	AAAAA	AABBB
1940	BBBBB	BBCC	1950	CCDDD	DEEE						

BELGIUM

ANTWERPEN (ANVERS)				51°14' N				04°25' E			
1920	.....	.A...	1930	.....	..BB.	1940	...bb	.....		
ZERBRUGGE				51°21' N				03°12' E			
1940	..bb.	.....								
OSTENDE				51°14' N				02°55' E			
1930	.....	..BB.	1940	...Bb	.....					
NIEUPOORT				51°09' N				02°43' E			
1940	...B.	.....								

BRITISH ISLES

LERWICK				60°09' N				01°08' W			
1950	.....	..EE									
ABERDEEN				57°09' N				02°05' W			
1860	..AAA	AAAAA	1870	AAAAA	AAAAA	1880	AAAAA	AAAAA	1890	AAAAA	AAAAA
1900	AAAAA	AAAAA	1910	AAAA.	.....	1920	.....	.....	1930	aa...	.....
1940	.....	.....	1950	.....	DDEE						
DUNDEE				56°27' N				02°58' W			
1890	.....	..AAA	1900	AAAAA	AAAAA	1910	AAAaA	AAAAA	1920	AaAAA	AAAAA
1930	AAAAA	AA...									
LEITH				55°59' N				03°10' W			
1950	.....	.DE.									
DUNBAR				56°00' N				02°31' W			
1930	.....	..BBB	1940	BBBBB	BBCC	1950	C....	.....		
TYNEMOUTH				55°01' N				01°24' W			
1940	.....	..D..	1950	.D...	DDEE						
IMMINGHAM				53°37' N				00°11' W			
1920	.....	.A...									

BRITISH ISLES (Continued)

FELIXSTOWE				51°56' N		01°19' E					
1910	.....	... aAA	1920	A aAAA	AAAA a	1930	aaAAA AABBB	1940	BBBBB	bbccc
1950	C.....	.....								
SOUTHEND				51°31' N		00°45' E					
1920	.....	A.....								
SHEERNESS				51°27' N		00°45' E					
1830	.. d dD	D d d d d	1840	DDDDD	DDDD d	1850	dDD..	... d d.	1860	.....
1870	1880	1890	.. d dD	DDDD d	1900	DD d d d	D d DDD
1910	DDDDD	DD d DD	1920	DDDDD	DDD..	1930	1940
1950	. DD..	d D E E									
LONDON BRIDGE				51°30' N		00°05' E					
1920	.....	A.....								
DOVER				51°07' N		01°19' E					
1950	.....	D D E E								
NAB TOWER				50°40' N		00°57' W					
1930	.....	a.....								
PORTSMOUTH				50°48' N		01°07' W					
1930	A.....	.....								
SOUTHAMPTON				50°54' N		01°23' W					
1920	.....	A.....								
PORTLAND				50°34' N		02°26' W					
1920	.....	aa.....								
NEWLYN				50°06' N		05°33' W					
1910	aAAAA	1920	A aAAA	AAAAA	1930	AAAAA	AABBB	1940	BBBBB	BBCCC
1950	CCDDD	DD E E									
MILFORD HAVEN				51°42' N		05°01' W					
1880AAAA	1890	A aA..	1900	1910
1920	1930	1940	1950	... d d	d d E E
AVONMOUTH				51°30' N		02°43' W					
1920	aAAAA	1930	.AAAA	AABB.	1940	.BBBB	BBCCC	1950	C c d DD	D D E E
HOLYHEAD, ANGLESEY				53°19' N		04°37' W					
1830 aA	1840 aA..	1850	1860
1870	1880	1890	1900
1910	1920	1930 bB	1940	B b b B B	BBCCC
1950	CCDDD	D D E.									
LIVERPOOL (PRINCES PIER)				53°25' N		03°00' W					
1910 A.	1920	A... A	1930	A... A	AABB.	1940	... BB	BBCCC
1950	ccddd	D d, e									
LIVERPOOL (GEORGES PIER)				53°24' N		03°00' W					
1850 D d	1860	D.. d d	DD d. d	1870	d d d d.	... d d	1880	... d d	. d d D D
1890	d d D D D	d d.. d	1900	DD. DD	DDDD D	1910	DD...			

BRITISH ISLES (Continued)

						BIRKENHEAD (ALFRED DOCK)	53°24' N	03°01' W
1950	.....	eEEE						
						DOUGLAS	54°09' N	04°28' W
1930	.....	... BB	1940	BBBBB	BCCCC	1950	CC dDD	DDEE
						MILLPORT (ISLE OF CUMBRAE)	54°45' N	04°56' W
1950	.....	dd..						
						STORNOWAY	58°12' N	06°23' W
1920	.....	... aa	1930	.....	.....	1940	.....	.....
						1950	.....	... EE
						MALIN HEAD	55°22' N	07°20' W
1950	.....	... e						
						BELFAST	54°36' N	05°55' W
1950	.....	.. EE						
						DUBLIN	53°21' N	06°13' W
1930	.....	... BB	1940	BBBBB	BCCCC	1950	CCDDD	DDEE
						LONDONDERRY	55°00' N	07°19' W
1930	.....	Aa...						

CHANNEL ISLANDS

						St. HELIER (JERSEY)	49°11' N	02°07' W
1950	..DDD	EEEe						
						ROZEL (JERSEY)	49°14' N	02°02' W
1940	..bb.	.....					
						St. PETER PORT (GUERNESEY)	49°27' N	02°31' W
1940	... B.	.....					

FRANCE (WEST COAST)

						DUNKERQUE	51°03' N	02°22' E
1940	..B..	.....					
						CALAIS	50°58' N	01°51' E
1940	..bb.	.....					
						BOULOGNE	50°44' N	01°35' E
1940	..b..	.....					
						DIEPPE	49°56' N	01°05' E
1940	..B..	.....					
						FÉCAMP	49°46' N	00°21' E
1940	..B..	.....					
						LE HAVRE	49°29' N	00°06' E
1940	..bb.	.....					

FRANCE (WEST COAST) (Continued)

	CHERBOURG				49°39' N		01°37' W
1940	... B						
	St. MALO				48°38' N		02°02' W
1940	.. bb						
	LEZARDRIEUX				48°47' N		03°06' W
1940	.. B						
	BREST				48°23' N		04°30' W
1800	..... .AAA	1810	AAAAA AAAAA	1820	AAAAA AAAAA	1830	AAAAA A...
1840	..... .AAAA	1850	AAAAA AA...	1860	.AAAA AAAAA	1870	AAAAA AAAAA
1880	AAAAA AAAAA	1890	AAAAA AAAAA	1900	AAAAA AAAAA	1910	AAAAA AAAAA
1920	AAAAA AAAAA	1930	AAAAA AABBB	1940	BBBB.	1950	.. dDD DD..
	LORIENT				47°45' N		03°21' W
1940	.. b						
	St. NAZAIRE				47°16' N		02°12' W
1940	. bb						
	LA PALLICE				46°10' N		01°13' W
1940	.. B						
	LE VERDON				45°33' N		01°04' W
1940	. bb						
	St. JEAN-DE-LUZ				43°24' N		01°41' W
1940	.. bbb						

SPAIN (NORTH COAST)

	PASAJES				43°19' N		01°55' W
1940	..... .D d	1950	D d				
	SANTANDER				43°28' N		03°48' W
1940	....D DDDDD	1950	DD				
	GIJÓN				43°34' N		05°42' W
1940	....D DD dD d						
	LA CORUÑA				43°22' N		08°24' W
1940	..... .DDD	1950	DD				
	VIGO				42°14' N		08°44' W
1940	... dD DDDDD	1950	D d				

PORTUGAL

	CASCAIS (LISBOA)				38°41' N		09°25' W
1910	..... .AAA	1920	AAAAA AAAAA	1930	AAAAA AABBB	1940	BBbbb BB.CC
1950	CCDD DDEE						

PORTUGAL (Continued)

LAGOS				37°06' N			08°40' W				
1900	.....	... aA	1910	Aaaaa	AaaAA	1920	AAAAA	AAAAA	1930	AAAAA	AABBB
1940	BbBBB	BB...	1950	cCDDD	DDEE						

SPAIN (SOUTH AND EAST COAST)

CADIZ				36°30' N			06°12' W				
1910	.c...	.aaaa	1920	.....	.....	1930	.....	.....	1940	.....	.ddd
1950	dd...	.....								
ALGECIRAS				36°07' N			05°26' W				
1940	....D	dDddD	1950	dd...	.....					
TARIFA				36°00' N			05°19' W				
1940	....d	dDdd	1950	DD...	.....					
MALAGA				36°43' N			04°25' W				
1940	....d	DDddD	1950	dd...	.....					
VILLA SANJURJO				35°15' N			03°35' W				
1940	....d	DDDdd									
ALICANTE				38°20' N			00°29' W				
1910	.....	.AAAA	1920	A....	.ccC	1930	CcCcc	CcCCc	1940	...cC	cc...

FRANCE (SOUTH COAST)

MARSEILLE (MARÉGRAPHE)				43°18' N			05°21' E				
1880	.....	aAAAA	1890	AAAAA	AAAAA	1900	AAAAA	AAAAA	1910	AAAAA	AAAAA
1920	AAAAA	AAAAA	1930	AAAAA	AA.BB	1940	BbBBB	BbEEe	1950	EeEee	EEEE

SARDINIA

LA MADDALENA				41°14' N			09°22' E				
1890	.....	.AAa.	1900	AAAAA	aAAAA	1910	aaaA.	.....		
CAGLIARI				39°12' N			09°10' E				
1890	.....	.aAAA	1900	AAAAA	AAAAA	1910	AAAAA	aAaaa	1920	AAAAa	aaaaA
1930	aaaaA	.....								

ITALY (WEST COAST)

PORTO MAURIZIO				43°52' N			08°01' E				
1890	.....	.aAAA	1900	AAAAA	AAAAA	1910	AAaAA	AAAAa	1920	AAa..	.....
GENOVA				44°24' N			08°54' E				
1880	...aA	AAAAA	1890	AAAAA	aAAAA	1900	AAAAA	AAAAA	1910	a....	.....
1920	.....	...aa	1930	aAAAA	AABBB	1940	BbBBB	bCCCC	1950	CCEEE	EEEE
LIVORNO				43°32' N			10°18' E				
1890	.....	.AAAA	1900	AAAAA	AAAAA	1910	Aa...	.....		
CIVITAVECCHIA				42°03' N			11°49' E				
1890	.....	.aAaA	1900	AAaAA	AAAAA	1910	AaAAA	AAAAA	1920	Aaa..	.....

ITALY (WEST COAST) (Continued)

		NAPOLI (ARSENALE)		40°52' N		14°16' E
1890	.....	.... a	1900	aAaAa aAaA	1910	aaaa AAAAA
					1920	AAa..

		NAPOLI (MANDRACCIO)		40°52' N		14°16' E
1890	.....	. aAAA	1900	AAaAa aAAAa	1910	AAAAa aAAAa
					1920	AAa..

SICILY

		MESSINA		38°12' N		15°34' E
1890	.....	.. AAA	1900	AAAAA AAAaa	1910	AAAAA AAAAA
					1920	AAAa.

		PALERMO		38°08' N		13°20' E
1890	.....	. aAaa	1900	aAAAA AAaAa	1910	aaAAA AaAAA
					1980	aaa..

		MAZARA DEL VALLO		37°40' N		12°34' E
1900	.....	.... A	1910	AAAAa Aa...		

		CATANIA		37°30' N		15°08' E
1890	.....	. aAAa	1900	aAAAA AAAaa	1910	AAAaA Aaaaa
					1920	a....

ITALY (EAST COAST)

		TARANTO		40°26' N		17°16' E
1890	.....	. Aaa	1900	..... .AAAA	1910	AA...

		ANCONA		43°35' N		13°29' E
1890	.....	. aAaA	1900	AAAAA aAaaa	1910	a....

		PORTO CORSINI		44°30' N		12°17' E
1890	.....	. aAAA	1900	AAAAA AAAAA	1910	AAAAA AAaAA
1930	.....	.. BBB	1940	BBBC. .cCCC	1950	CCEEE EEEE

		VENEZIA (DIGA SUD DI LIDO)		45°21' N		12°23' E
1910	.....	.. AAA	1920	AAAAA AAAAA	1930	AAAAA

		VENEZIA (ARSENALE)		45°25' N		12°21' E
1880	.....	.... A	1890	aAaAA AaAAA	1900	AAAAA AaaAA
					1910	aAaA.

		VENEZIA (S. STEFANO)		45°25' N		12°20' E
1890	.....	. AAAA	1900	AAAAA AAAAA	1910	aaAAA AAAAA
					1920	a....

		TRIESTE		45°39' N		13°45' E
1900	.....	AAAAA	1910	AAAAA	1920	aAa.. .AAA
1940	.....	.....	1950	... EE EEEE	1930	AAAAA AA...

		POLA		44°52' N		13°51' E
1890	.....	.. AaA	1900	AAAAA AAAAA	1910	A.AA.

YUGOSLAVIA

		ROVINJ		45°05' N		13°38' E
1950	.....	dEE.				

		BAKAR		45°18' N		14°32' E
1930	AAAAa	AaBB.	1940	..... .c	1950	CCDD DDEE

YUGOSLAVIA (Continued)

		SPLIT rt. MARJANA		43°30' N	16°23' E	
1950	.. dDD	DEE.				
		SPLIT HARBOUR		43°30' N	16°27' E	
1930	aA aAA	AABB.	1940	1950 d DEE.
		VIS		43°04' N	16°12' E	
1950	.....	.. E.			
		USCE NERETVE		43°01' N	17°27' E	
1950	.....	.. E.			
		MALI STON		42°50' N	17°42' E	
1950	.....	.. E.			
		BROCE		42°49' N	17°43' E	
1950	.....	.. E.			
		DUBROVNIK		42°39' N	18°03' E	
1950	.....	dEE.			
		HERCEGNOVI		42°27' N	18°32' E	
1950	.....	. EE.			
		ULCINJ		41°55' N	19°12' E	
1950	.... d	D...			

GREECE

		PREVEZA		38°57' N	20°46' E
1930	.....	..ccc	1940	c....	.....
		POSIDHONIA		37°57' N	22°57' E
1930	.....	..CCC	1940	C....	.....
		KALAMAI		37°01' N	22°08' E
1930	.....	..eCC	1940	C....	.....
		PIRAIEVS		37°56' N	23°37' E
1930	...DD	DDDDD	1940	D....	.dD..
		VOLOS		39°23' N	22°56' E
1930	.....	..ccc	1940	C....	.....
		THESSALONIKI		40°37' N	23°02' E
1930	...DD	ddeCC	1940	c....	.....
		KAVALLA		40°55' N	24°25' E
1930	...D.	.Ddde	1940	c....	.....
		KHIOS		38°23' N	26°09' E
1930	.....	..cCC	1940	C....	.....

U. S. S. R. (BLACK SEA)

	PORT TUAPSE		44°06' N	39°04' E
1950	.....	.. eE		

TURKEY

	EREGLISI		41°30' N	31°30' E (approximately)
1950	.....	. EEE		

	ARNAVUTKÖY		41°04' N	29°03' E
1940	... B.	.....	

	IZMİR		38°26' N	27°10' E
1930	.....	.. EEE	1940 EEEEE EDDDD	1950 DDDDD DDE e

	ISKENDERUN (formerly ALEXANDRETTE)		36°40' N	36°12' E (approximately)
1950	.....	. eEe		

	ANTALAYA		36°53' N	30°44' E
1930	.....	. EE . E	1940 EEEEE EDDDD	1950 DDDDD ddEE

	TRABZON		41°00' N	39°43' E (approximately)
1950	.....	. eEe		

ISRAEL

	ASHDOD		31°50' N	34°39' E
1950	.....	. eE.		

EGYPT

	PORT SAID		31°15' N	32°18' E
1920	... AA	AAAAA	1930 AAAAA AABbb	1940 BBBBB BB...

	DÉVERSOIR		30°25' N	32°21' E
1930	.....	.. BBB	1940 BB...	.....

	KABRET		30°16' N	32°30' E
1920	... AA	AAA..	1930 ... AAA ABBBB	1940 BB...

	GÉNEFFE		30°10' N	32°34' E
1930	.....	.. BBB	1940 BB...	.....

	PORT THEWFIK		29°57' N	32°34' E
1920	... AA	AAAAA	1930 . AAAA ABBBB	1940 BBBBB BB...

SPANISH MOROCCO

	CEUTA		35°54' N	05°19' W
1940	.... d	dD dDD	1950 DD...	.....

MOROCCO

	CASABLANCA		33°36' N	07°36' W
1950	.....	... ee		

AZORES

		PONTA DELGADA			37°45' N		25°40' W	
1920A	1930	AAAaA aABbC	1940	CCCC CCcCC	1950	ecd.D dEEe
		ANGRA DO HEROISMO (A)			38°39' N		27°14' W	
1930	...AA	AAccc	1940	.ccc c...c	1950	CCdD dEeE		
		ANGRA DO HEROISMO (B)			38°39' N		27°13' W	
1950	.....	..ee					
		HORTA			38°32' N		28°38' W	
1900	aAAAA	1910	AAaAA AAAaA	1920	AaaAA aAAAa	1930	AAAAA AAB.B.
1940	.....	B....	1950	..... ..eE			
		SANTA CRUZ DAS FLORES			39°27' N		31°08' W	
1950	.....	..EE					

CANARIES

		ARRECIFE			28°57' N		13°33' W
1940	.....	.....d	1950	dD... ..			
		SANTA CRUZ DE LA PALMA			28°41' N		17°45' W
1940	.....	.....d	1950	DD... ..			
		SANTA CRUZ DE TENERIFE (A)			28°29' N		16°14' W
1920	.....	..CCC	1930	CCCC Cc...	1940	eCCCC CC...	
		SANTA CRUZ DE TENERIFE (B)			28°29' N		16°14' W
1920	.....	.eCCC	1930	CCCcC Cc...	1940	eCCCC CC...	
		PUERTO DE LA LUZ			28°10' N		15°25' W
1940	.....	.....d	1950	DD... ..			

CAPE VERDE ISLANDS

		PORTO GRANDE (St. VINCENT)			16°52' N		24°59' W
1940	.....	..CCC	1950	C.... ..			

SENEGAL

		DAKAR			14°40' N		17°25' W
1950	.....	..eE					

SIERRA LEONE

		FREETOWN			08°30' N		13°14' W
1920	.....	..aa..					

GHANA (formerly GOLD COAST)

		TAKORADI			04°53' N		01°45' W	
1920a	1930	AAAAA AABBB	1940	BBBBB BB...	1950	ECEEE EEE.
		ACCRA			05°32' N		00°12' W	
1920	..aa.	.....	1930	..... ..B.			

NIGERIA

	LAGOS	06°24' N	03°24' E
1940	bb... ..		
	FORCADOS	05°22' N	05°26' E
1930	.... b b....		
	PORT HARCOURT	04°46' N	07°00' E
1930	..... bb...		
	CALABAR	04°58' N	08°19' E
1930	..... ..B..		

SOUTH AFRICA

	WALVIS BAY	22°56' S	14°30' E
1950	..... ... e		
	LUDERITZ	26°38' S	15°09' E
1950	..... ... e		
	PORT NOLLOTH	29°15' S	16°52' E
1950	..... ... ee		
	STOMPNEUS BAY	32°43' S	17°59' E
1950	..... ... ee		
	ROBBEN ISLAND	33°47' S	18°22' E
1950	..... ... ee		
	TABLE BAY HARBOUR (DUNCAN DOCK)	33°55' S	18°26' E
1950	..... ... eE		
	SIMONS BAY	34°11' S	18°26' E
1950	..... ... eE		
	HERMANUS	34°26' S	19°13' E
1950	..... ... e		
	MOSSEL BAY	34°10' S	22°08' E
1950	..... ... e		
	DURBAN	29°52' S	31°03' E
1920	..... . aa..		

MADAGASCAR

	NOSY - BE	13°24' S	48°17' E
1950	..... ... e		

MAURITIUS

	GRAND PORT	20°22' S	57°45' E
1950	..... ... e		

TANGANYIKA

DAR - ES - SALAAM 06°49' S 39°19' E

1920 a 1930 a....

KENYA

KILINDINI 04°04' S 39°39' E

1930 .. aa.

ARABIA

ADEN 12°47' N 44°59' E

1870 a 1880 AAAAA AAAAA 1890 AAAA. 1900
 1910 DDDD 1920 DDDDD DDDDD 1930 DDDD. .. D d d 1940 DDDD d d DDDD
 1950 DDDDD DDEE

UMM SAID 24°57' N 51°35' E

1950 .C... ..

FAO 29°58' N 48°30' E

1940 B....

BASRAH 30°31' N 47°51' E

1910AA.

PAKISTAN (WEST) (formerly INDIA)

KARACHI 24°48' N 66°58' E

1910 DDDD 1920 D..... 1930 DDD 1940 DDDDD DD d d.
 1950 eE

INDIA

MUNDRA 22°50' N 69°43' E

1950eee

KANDLA 23°01' N 70°13' E

1950 DDDDD DDEE

VERAVAL 20°53' N 70°22' E

1950 eEE.

BHÄUNAGAR 21°45' N 72°14' E

1930 DDD 1940 DDDDD DDD d D 1950 DDDDD DEEE

BOMBAY (APOLLO BANDAR) 18°55' N 72°50' E

1870 AA 1880 AAAAA AAAAA 1890 AAAAA AAAAA 1900 AAAAA AAAAA
 1910 AAAAA AAAAA 1920 AAAAA AAAAA 1930 AAAAA AADDD 1940 DDDDD DDDDD
 1950 DDDDD DDEE

BOMBAY (PRINCE'S DOCK) 18°57' N 72°50' E

1910 DDDD 1920 D....

RATNAGIRI 17°00' N 73°16' E

1950 ee

INDIA (Continued)

	MANGALORE			12°51' N		74°50' E	
1950	.. ddd	DDEe					
	COCHIN			09°58' N		76°15' E	
1930	.....	.....E	1940	EEEE EeEEE	1950	EEEE EeE.
	MADRAS			13°06' N		80°18' E	
1910DDDD	1920	D....	1930
1950	.. dDD	DDEE				1940
	VISAKHAPATNAM			17°41' N		83°17' E	
1930	.....	..DDD	1940	DDDD D dDDD	1950	DD dDD DDEE
	SAUGOR			21°39' N		88°03' E	
1880	. dDDD	D d...	1890	1900
1920	1930DDD	1940	DDD d. DDDDD
	DUBLAT (SAUGOR Is., HOOGHLY RIVER)			21°38' N		88°08' E	
1930	.....	.. BBB	1940	BBBb.	.....	
	DIAMOND HARBOUR			22°11' N		88°11' E	
1940	.....	.. DD	1950	DDDD DDEE		
	CALCUTTA (GARDEN REACH)			22°33' N		88°18' E	
1930	.. DDD	D dDDD	1940	DDDD DD dDD	1950	DDD d DDEE	
	KIDDERPORE			22°32' N		88°20' E	
1880	. aAAA	AAAAA	1890	AAAA.	1900
1920	. DDDD	DD d dD	1930	DD... .. BBB	1940	BBBB BBc..	
	PAKISTAN (EAST) (formerly INDIA)						
	DUBLAKHAL			21°51' N		89°32' E	
1950	. e...	.....				
	CHITTAGONG			22°20' N		91°50' E	
1930	.....	.. DDD	1940	DD d dD DDD d.	1950	..... .. eE
	CHITTAGONG (PATENGA POINT)			22°40' N		91°48' E	
1950	.....	.. eE				
	CEYLON						
	COLOMBO			06°57' N		79°51' E	
1930	A.....D	D....					
	BURMA						
	AKYAB			20°08' N		92°54' E	
1930	.....	.. DDD	1940	DD d..	.....	
	RANGOON			16°46' N		96°10' E	
1910DDDD	1920	D....	1930
1950	DDDDD				1940	DD... . DDD

BURMA (Continued)

	MOULMEIN		16°29' N	97°37' E
1950	....D	DDEE		
	AMHERST		16°05' N	97°34' E
1950	....D	DDEE		

ANDAMAN ISLANDS

	PORT BLAIR		11°41' N	92°46' E
1910	.....	.DDDD	1920	D.....
1950	..dDD	DDEE	1930	.....
			1940	.....

MALAYA

	BASS HARBOUR		06°18' N	99°47' E
1930	....a	.....	
	JOHORE BAHRU		01°27' N	103°46' E
1920	...aa	....a	1930	a....

INDONESIA (formerly NETHERLANDS EAST INDIES)

	BENGKALIS		01°28' N	102°08' E
1920	.....	....a	1930	AA....
	BELAWAN		03°55' N	98°43' E
1920	.....	AAAAA	1930	aA....
	SIBOLGA		01°44' N	98°46' E
1930	AA....	.....	
	EMMAHAVEN (PADANG)		00°58' S	100°20' E
1920	.....	AAAAA	1930	AA....
	BENKOELEN		03°47' S	102°15' E
1920	.....	AAAAA	1930	AA....
	KROË		05°11' S	103°55' E
1920	.....	....a	1930	AA....
	OOSTHAVEN		05°27' S	105°16' E
1930	aA....	.....	
	OEPANG		02°45' S	104°58' E
1920	.....	...aa	1930	aA....
	SOENGSANG		02°20' S	104°45' E
1920	.....	...AA	1930	AA....
	PRIGI - RADJA		00°15' S	103°15' E
1920	.....	....a	1930	AA....
	TAMBILAHAN		00°20' S	103°09' E
1920	.....	...AA	1930	A....

INDONESIA (formerly NETHERLANDS EAST INDIES) (Continued)

		PLABOEAN - RATOE		07°00' S	106°30' E
1920	.....	... aA	1930 AA...		
		TJILATJAP		07°44' S	109°00' E
1920	.....	AAAAA	1930 AA...		
		PATJITAN		08°12' S	111°05' E
1920	.....	... AA	1930 AA...		
		DJAMOEANRIF		06°58' S	112°45' E
1920	.....	AAA aA	1930 AA...		
		SEMBILANGAN		07°06' S	112°42' E
1920	.....	AAAAA	1930 AA...		
		SOERABAJA		07°12' S	112°36' E
1920	.....	A aAAA	1930 AA...		
		TOEBAN		06°53' S	112°03' E
1920	.....	... a	1930 AA...		
		SEMARANG		07°00' S	110°24' E
1920	.....	AAAAA	1930 AA...		
		PEKALONGAN		06°52' S	109°40' E
1920	.....	.AAAA	1930 AA...		
		TEGAL		06°51' S	109°07' E
1920	.....	.AAAA	1930 AA...		
		CHERIBON		06°43' S	108°34' E
1920	.....	aAA aA	1930 AA...		
		TANDJONG - PRIOK		06°06' S	106°54' E
1920	.....	aAAAA	1930 AA...		
		BATAVIA		06°10' S	106°40' E
1920	.....	.. aAA	1930 Aa...		
BORNEO					
		PONTIANAK		00°01' S	109°18' E
1920	.....	... AA	1930 Aa...		
		S. MOESANG - KETJIL		03°30' S	114°30' E
1930	aA...	.....		
		BANDJERMASIN		03°18' S	114°36' E
1920	.....	.. AAA	1930 AA...		
		PULAU LAKEI		01°45' N	110°30' E
1950	.....	ee..			

CELEBES

		MAKASSAR			05°06' S		119°24' E
1920	.....	AAAAA	1930	aA...			
		MANADO			01°32' N		124°50' E
1920	.....	..AAA	1930	AA...			

MOLUCCAS

		AMBOINA			03°42' S		128°12' E
1920	.....	....a	1930	AA...			

THAILAND (formerly SIAM)

		KO TA - PHAO NOI (PHUKET)			07°50' N		98°26' E	
1940	CCCCC	cCCCC	1950	EEEE E..				
		KOH HLAH			11°48' N		99°49' E	
1910	aAAAA	a....						
		PHRACHUAP KIRIKHAN			11°48' N		99°49' E	
1940	CCCCC	CCCCC	1950	EEEE E..				
		BANGKOK BAR			13°29' N		100°34' E	
1920AAAA	1930	AAAAA AAB.	1940	CCCCC CCCCC	1950	EeeEe eE..
		FORT PHRA CHULA CHOMKLAO			13°33' N		100°35' E	
1940	CCCCC	CCCCC						
		PHRACHUL			13°33' N		100°35' E	
1950	EEEEe	ee..						
		KO SICHANG			13°09' N		100°49' E	
1940	CCCCc	CCCCC	1950	EEEE E..				

CHINA

		MACAO (MACAU - SIAC)			22°12' N		113°33' E	
1930	.....	..BBB	1940	BBBBB BBCC	1950	CCDD DDEE	
		HONG KONG			22°18' N		114°10' E	
1920c	1930	c....	1940	1950	CCDED eEEE
		YANG - TSI - KIANG			30°49' N		122°38' E	
1920	...A.	.....					
		SHANGHAI			31°24' N		121°30' E	
1930	A....	.....					
		NEWCHWANG			40°38' N		122°10' E	
1920	....a	a....					

KOREA

		GENZAN			39°10' N		127°27' E
1930	..DDD	DDDD	1940	DDDD	.....	

U. S. S. R. (PACIFIC COAST)

	YUZHNO KURILSK		44°01' N	145°52' E
1950	..... .. e e			
	NAGAEVA BAY		59°33' N	150°47' E
1950	..... .. e E			
	PETROPAVLOVSK		53°01' N	158°29' E
1950	..... .. e E			
	UGOLNAJA BAY		63°02' N	179°25' E
1950	..... .. e e			

JAPAN

KARAFUTO

	HONTO		46°41' N	141°51' E	
1920	.. aAA AAAAA	1930	AAAAD DDDDD	1940	DDDDD

HOKKAIDO

	MONBETU		44°21' N	143°22' E	
1950	..... .. E			
	HANASAKI		43°17' N	145°35' E	
1900	AAAAA AAAAA	1910	AA aAA AAAAA	1920	AAAAA
1940	1950 e E	1930
	KUSHIRO		42°58' N	144°22' E	
1950	..... .. e E			
	HAKODATE		41°47' N	140°44' E	
1950	..... .. e E			
	OSHORO		43°12' N	140°51' E	
1930	... D DDDDD	1940	DDDDD D d dDD	1950	EEEE EEEE
	OTARU		43°13' N	141°03' E	
1900AAAA	1910	AAAAA AAAAA	1920	AAAAA AAAAA
		1930	AAAAA		

HONSHU (EAST COAST)

	HACHINOHE		40°32' N	141°31' E	
1950	..... .. e E			
	MIYAKO		39°38' N	141°58' E	
1950	..... .. e E			
	AYUKAWA		38°18' N	141°31' E	
1950	..... .. e e			
	AIKAWA		38°18' N	141°30' E	
1900	AAAAA aAAAA	1910	AAA aA AAAAA	1920	AAAAA

JAPAN (Continued)

INLAND SEA (Continued)

							OSAKI WAN	34°08' N	135°08' E
1920	.....	. aAAA	1930	AAA a.	.....			
							TAKAMATSU	34°21' N	134°03' E
1950	.....	.. eE							
							UNO	34°29' N	133°57' E
1950	.....	.. eE							
							MATSUYAMA	33°52' N	132°43' E
1950	.....	.. ee							

SHIKOKU

							UWAJIMA	33°14' N	132°33' E
1950	.....	.. eE							
							TOSA - SHIMIZU	32°47' N	132°58' E
1950	.....	.. eE							
							KŌCHI	33°29' N	133°34' E
1950	eEEEE	EEEE							

KYUSHU

							HOSOSIMA	32°25' N	131°40' E		
1900	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	AAAAA	1930	AAAAD	DDDDD
1940	DDDDD	DDDDD	1950	EEEE	EEEE						
							HUKABORI	32°41' N	129°49' E		
1900	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	.....		
							SASEBO	33°10' N	129°43' E (approximately)		
1950	.....	... E									

NANSEI SHOTO

							NAZE	28°23' N	129°30' E
1950	.....	.. eE							

HONSHU (WEST COAST)

							TOKUYAMA	34°01' N	131°49' E	
1950	.....	... E							
							SHIMONOSEKI	33°58' N	130°57' E	
1950	.....	.. eE							
							TONOURA	34°54' N	132°04' E	
1950	.....	.. eE							
							HAMADA	34°55' N	132°04' E	
1900	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA		

JAPAN (Continued)

HONSHU (WEST COAST) (Continued)

	SAKAI				35°33' N	133°14' E					
1950	.....	...eE							
	MAIZURU				35°37' N	135°19' E					
1950	.....	...E							
	MIYAZU				35°32' N	135°12' E					
1950	.....	...ee							
	WAZIMA				37°24' N	136°54' E					
1900	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	AAAAA	1930	AAAAD	DDDDD
1940	DDDDD	DDDDD	1950	EEEE	EEEE						
	KASHIWAZAKI				37°21' N	138°30' E					
1950	.....	eEEE								
	NEZUGASEKI				38°33' N	139°33' E					
1950	.....	eEEE								
	IWASAKI				40°35' N	139°55' E					
1900	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	1930
1940	1950ee						
	OMINATO				41°15' N	141°09' E					
1950	.....	...E							
	ASAMUSHI				40°53' N	140°51' E					
1950	....e	EEEE								

FORMOSA

	KIRUN				25°09' N	121°45' E					
1900	....a	AAAAA	1910	AAaAA	AaAAA	1920	AAAAA	.....		
	TAKAO				22°37' N	120°16' E					
1900A	AAaAA	1910	AAAAA	AAAAA	1920	AAAAA	AAAAA	1930	aaaAD	DDDDD
1940	DDDD.									

PHILIPPINE ISLANDS

	SAN FERNANDO, LA UNION				16°37' N	120°18' E					
1940	.....	...dD							
	MANILA, LUZON				14°35' N	120°58' E					
1900	.bBBB	BBBBb	1910	bBBBB	BBBBB	1920bBBB	1930	BBBBB	Bbbb
1940dDD	1950	DDDDD	DDEE						
	LEGASPI				13°09' N	123°45' E					
1940dDD	1950	DDddd	DDEE						
	PORT SAN MIGUEL, TIKAO				12°40' N	123°35' E					
1910	....b	b....								

PHILIPPINE ISLANDS (Continued)

	BIRI ISLAND, SAMAR	12°39' N	124°22' E
1920	. . . . . bb..		
	BATUAN BAY, TIKAO	12°25' N	123°47' E
1920	. . . . . bb..		
	PORT USON, BUSUANGA ISLAND	12°01' N	120°12' E
1910	. . bBB Bb...		
	TACLOBAN, LEYTE	11°15' N	125°00' E
1950	. dddd ddee		
	ILOILO, PANAY	10°42' N	122°34' E
1900	. . . bb BBbb		
	ARACELI, DUMARAN ISLAND	10°35' N	119°59' E
1910	. . . bb b....		
	SEBU (CEBU)	10°16' N	123°54' E
1930	. . . . . bbbB. 1940 dDD 1950 DDDDD DDee		
	PUERTO PRINCESA, PALAWAN	09°44' N	118°43' E
1910	. . . . . . bBB.		
	DAVAO, DAVAO	07°05' N	125°38' E
1940	. . . . . . . dD 1950 Dddd DdeE		
	ZAMBOANGA, MINDANAO	06°54' N	122°04' E
1920	. . bB. . . b..		
	JOLO, SULU ARCHIPELAGO	06°04' N	121°00' E
1920	. . . . . b Bbb.. 1930 b.... 1940 dDd 1950 dDddd dDee		

NEW GUINEA

	DREGER HARBOUR	06°39' S	147°53' E
1940	. . . . . . cc..		
	PORT MORESBY	09°29' S	147°08' E
1930	. . . . . . . b 1940 b.... 1950 ee		

AUSTRALIA

	THURSDAY ISLAND	10°35' S	142°13' E
1920	. . . . . a a....		
	DARWIN	12°29' S	130°58' E
1950	. . . . . . . eE		
	WEIPA	12°41' S	141°03' E
1950	. . . . . . . ee		
	LOW ISLANDS, BARRIER REEF	16°23' S	145°34' E
1920	. . . . . . . . a		

AUSTRALIA (Continued)

	CAIRNS				16°55' S				145°43' E
1950	.....	.. eE							
	TOWNSVILLE HARBOUR				19°16' S				146°50' E
1950	.cc..	.. eE							
	MACKAY				21°07' S				149°14' E
1940	.....	.....c							
	GLADSTONE				23°53' S				151°12' E
1950	.....	.. eE							
	BALLINA				28°52' S				153°37' E
1920	.....	... aA	1930	Aaaaa	aABB.				
	NORFOLK ISLAND				29°04' S				167°56' E
1950	.....	.. e.							
	YAMBA				29°36' S				153°21' E
1920	.....	... aa	1930	aaaaa	aa...				
	COFF'S HARBOUR				30°20' S				153°00' E
1950	.....	.eeE							
	LORD HOWE ISLAND				31°31' S				159°07' E
1950	.....	.. eE							
	NEWCASTLE				32°55' S				151°48' E
1920	.....	... AA	1930	AAAAA	AABB.	1940	.....	.eEEE	1950 eEEEE EEEE
	SYDNEY (FORT DENISON)				33°51' S				151°14' E
1890	.....	.. AAA	1900	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920 AAAAA AAACC
1930	CCCCC	CCBBC	1940	CCCCC	CCCCC	1950	CCDDD	....
	CAMP COVE				33°53' S				151°15' E
1950	.....	.. eE							
	PORT KEMBLA				34°28' S				150°55' E
1950	.....	... e							
	EDEN				37°05' S				149°59' E
1950	.....	.. ee							
	WILLIAMSTOWN				37°52' S				144°55' E
1890	.....	b B....	1900	.....	.....	1910	.....	.BBBB	1920 BBBBB BBBBB
1930	BBBBB	BBBBB	1940	... cC	CCCCC	1950	CEEEE	EEEE	
	PORT PHILLIP HEADS				38°18' S				144°37' E
1920	.....	.. aAa	1930	.A...	.....			
	HOBART, TASMANIA				42°50' S				147°19' E
1950	.....	.. eE							

AUSTRALIA (Continued)

	MAATSUYKER ISLAND, TASMANIA		43°38' S		146°22' E
1950	..... . . e e				
	CAPE SORRELL, TASMANIA		42°13' S		145°13' E
1950	..... . . e E				
	PORTLAND		38°21' S		141°37' E
1940	..... . b . . .				
	PORT MacDONNELL		38°00' S		140°40' E
1950	..... . . e e				
	BEACHPORT		37°30' S		140°00' E
1920	..... . . AA a 1930 AB				
	ROBE		37°09' S		139°45' E
1940	..... b b . . .				
	KINGSTON		36°50' S		139°51' E
1940	..... . e CCD 1950 DD d				
	HOG BAY		35°40' S		137°56' E
1940	..... . . e C d 1950 d d d				
	BRIGHTON		35°02' S		138°31' E
1950	. d D				
	PORT ADELAIDE, INNER HARBOUR		34°51' S		138°30' E
1880	. . AAA AAAAA 1890 AA	1900	. . . . .	1910	. . . . .
1920	..... . . . . 1930 . . . AB BBB . .	1940	. BBBB B		
	PORT ADELAIDE, OUTER HARBOUR		34°48' S		138°28' E
1940	..... B B				
	SECOND VALLEY		35°31' S		138°10' E
1930	..... . . b B 1940 BBB				
	ARDROSSAN		34°26' S		137°55' E
1950	d D d				
	EDITHBURG		35°05' S		137°45' E
1940	..... . e CCD 1950 D d D				
	KINGSCOTE		35°40' S		137°38' E
1920	. . b b b				
	AMERICAN RIVER, HART'S JETTY		35°48' S		137°46' E
1950	D d d				
	STENHOUSE BAY		35°15' S		136°58' E
1940	. . BBB B b				

AUSTRALIA (Continued)

	PORT WALLAROO		33°56' S		137°38' E
1930	... BB	Bbb..			
	PORT PIRIE		33°09' S		138°01' E
1930	... bb	Bbb..	1940	.BBBB	B....
	PORT AUGUSTA		32°30' S		137°46' E
1940	.....	....d	1950	Dddd.	.....
	WHYALLA		33°01' S		137°34' E
1940	... bb	Bb...			
	FRANKLYN HARBOUR		33°41' S		136°56' E
1930	.....	bBBBB			
	PORT LINCOLN		34°49' S		135°52' E
1920	Bbbbb	.....		
	THEVENARD		32°09' S		133°39' E
1930	....B	Bb...	1940	BBB.	.....
	ALBANY		35°02' S		117°54' E
1920	... aa	.....	1930	.....	.....
	BUNBURY		33°17' S		115°38' E
1950	.....	...eE			
	FREMANTLE		32°03' S		115°44' E
1910	... AA	.....	1920	.....	.....
1950	.....	...eE	1930	.....	..BB.
	PORT HEDLAND		20°18' S		118°35' E
1910	... A.	.....	1920	.....	...A.
1950	.....	...ee	1930	...AA.	...b.
			1940	.....	...cc.

NEW ZEALAND

	AUCKLAND		36°51' S		174°49' E
1910	.....	...aaa	1920	.AAA.	.....
	WELLINGTON		41°17' S		174°48' E
1910	.....	...aa	1920	.AAAA	...A..
	PORT LYTTTELTON		43°36' S		172°51' E
1920	...AA	AAA..			
	DUNEDIN		45°53' S		170°33' E
1920	...AA	AAA..	1930	.....	...B..
	BLUFF		46°35' S		168°22' E
1910	.....	...aaa	1920	aAA..	.....

MARIANAS ISLANDS

	APRA HARBOUR, GUAM		13°26' N		144°39' E
1940	..... . . . eE	1950	EEEE EEE.		

CAROLINE ISLANDS

	MOEN ISLAND		07°27' N		151°51' E
1940	..... . . eee	1950	eeeEE eEEE		

MARSHALL ISLANDS

	ENIWETOK		11°22' N		162°21' E
1950	. eEEEE EEEE				

	KWAJALEIN		08°44' N		167°44' E
1940	..... . eEEE	1950	EEEE EEEE		

GILBERT ISLANDS

	OCEAN ISLAND		00°53' S		169°35' E
1950	..... . . eE				

	ARORAE		02°37' S		176°50' E
1950	..... . . ee				

NEW CALEDONIA

	NOUMEA		22°18' S		166°26' E
1950	..... . . e.				

PHOENIX ISLANDS

	HULL		04°29' S		172°10' W
1950	..... . . e.				

	CANTON ISLAND		02°48' S		171°43' W
1940	..... . . . . e	1950	EEEE EEEE		

HAWAIIAN ISLANDS

	MIDWAY ISLAND		28°13' N		177°22' W
1940	..... . . . . EEE	1950	EEEE EEEE		

	JOHNSTON ISLAND		16°45' N		169°31' W
1950	EEeee EEEE				

	WAKE ISLAND		19°17' N		166°37' W
1950	eEEEE EEEE				

	NAWILIWILI		21°58' N		159°21' W
1950	..... EEEE				

	HONOLULU		21°18' N		157°52' W
1900	..... AAAAA	1910	AAAA AAAAA	1920	AAAA AAAAA
1940	BBbbb BBCC	1950	CCDD DDEE	1930	AAAA AABBB

HAWAIIAN ISLANDS (Continued)

		MOKUOLOE ISLAND		21°26' N	157°47' W
1950	.....	..eE			
		KAHULUI		20°45' N	156°28' W
1950	.EEEE	EEEE			
		HILO		19°44' N	155°03' W
1940	.....	.eEEE	1950	EEEE	EEEE

LINE ISLANDS

		PALMYRA ISLAND		05°52' N	162°06' W
1950	.....	..e.			
		FANNING ISLAND		03°54' N	159°24' W
1950	.....	..e.			
		CHRISTMAS ISLAND		01°57' N	157°28' W
1950	.....	.EEE			

ILES DE LA SOCIETE

		MATAVAI, TAHITI		17°31' S	149°31' W
1950	.....	..ee			

ILES AUSTRALES

		RURUTU		22°27' S	151°20' W
1950	.....	..eE			

TUAMOTU ARCHIPELAGO

		TAKAROA		14°25' S	145°00' W
1950	.....	..ee			

EAST PACIFIC

		EASTER ISLAND		27°09' S	109°29' W
1950	.....	..EE			

UNITED STATES (ALEUTIAN ISLANDS)

		MASSACRE BAY, ATTU		52°50' N	173°12' E
1940	...eE	eeeeE	1950	EeEE	EEEE
		SWEEPER COVE, ADAK		51°52' N	176°39' W
1940	...eE	EEEE	1950	EEEE	EeE
		UNALASKA		53°53' N	166°32' W
1950	.....	eEe			

UNITED STATES (ALASKA)

		POINT BARROW		71°20' N	156°46' W
1950	.....	..EE			

UNITED STATES (ALASKA) (Continued)

		WOMANS BAY, KODIAK		57°43' N		152°31' W		
1940	.....	..... e	1950	EEEE	EEEE			
		SEWARD		60°05' N		149°27' W		
1920	.....	aAAAA	1930	AAAA	AAbb.	1940	.... b	Bbccc 1950 CcdDd DD.e
		SITKA		57°03' N		135°20' W		
1930	AAAA	AA.EE	1940	EEEE	EEEE	1950	EEEE	EEEE
		SKAGWAY		59°26' N		135°19' W		
1940	.... e	EEEee	1950	EEEE	EEEE			
		KETCHIKAN		55°20' N		131°38' W		
1910	.....	.... A	1920	AAAA	AAAA	1930	AAAA	AABBB 1940 BBBB BBCC
1950	CCDD	DD..						

CANADA (PACIFIC COAST)

		PRINCE RUPERT		54°19' N		130°20' W		
1930	... A.	.... C	1940	CCCC	CCCC	1950	CCDD	DDEE
		QUEEN CHARLOTTE CITY		53°15' N		132°04' W		
1950	.....	... e						
		ALERT BAY		50°35' N		126°56' W		
1950	CCDD	DDEE						
		COMOX		49°40' N		124°55' W		
1950	CCDd.	....					
		CANOE PASS		50°15' N		125°25' W		
1940	.....	..C..						
		POINT ATKINSON		49°20' N		123°14' W		
1920	.....	..C..	1930	...C.	.... E	1940	.... C	CCCC 1950 CCDD DDEe
		CAULFEILDS		49°19' N		123°15' W		
1920	.....	...A..	1930	...A.	.....		
		VANCOUVER		49°17' N		123°07' W		
1920	aAA a.	....	1930	.A...	a....	1940	CC.CC	CCCC 1950 CCDD DDEE
		CLAYQUOT (TOFINO)		49°09' N		125°55' W		
1930	.....	A....	1940	CC.CC	CCCC	1950	CCdD	DDEE
		PORT ALBERNI		49°14' N		124°49' W		
1940	.....	...e.						
		VICTORIA		48°25' N		123°22' W		
1910	.....	...CC	1920	CCCC	CCCC	1930	CCC..	.A... 1940 CC.CC CCCC
1950	CCDD	DDEe						

UNITED STATES (PACIFIC COAST)

		NEAH BAY		48°22' N		124°37' W	
1930	.... e	EEEE E	1940	EEEE E	1950	EeEEE EEeE	
		SEATTLE		47°36' N		122°20' W	
1890	.....	.....	1900	AAAAA AAAAA	1910	AAAAA AAAAA	1920 AAAAA AAAAA
1930	AAAAA	AABBB	1940	BBBBB BBCCC	1950	CCDDD DDEE	
		CRESCENT CITY		41°45' N		124°12' W	
1930	... eE	EEEE E	1940	EEEEe EEe..	1950	eEEEE EEEE	
		SAN FRANCISCO		37°48' N		122°28' W	
1890	.....	.. aAA	1900	AAAAA AAAAA	1910	AAAAA AAAAA	1920 AAAAA AAAAA
1930	AAAAA	AABBB	1940	BBBBB BBCCC	1950	CCDDD DDEE	
		AVILA		35°10' N		120°44' W	
1940	.....	eEEEE	1950	EEeEE Eee.			
		LOS ANGELES		33°43' N		48°16' W	
1920	... aA	AAAAA	1930	AAAAA AABBB	1940	BBBBB BBCCC	1950 CCDDD DDEE
		SAN CLEMENTE ISLAND		33°00' N		118°33' W	
1950	.....	... ee					
		LA JOLLA		32°52' N		117°15' W	
1920	..... a	AAAAA	1930	AA aAA AABBB	1940	BBBBB BBcC	1950 CCDD. .DEE
		SAN DIEGO		32°42' N		117°14' W	
1900	.....	. AAAA	1910	AAAAA AAAA a	1920	AAAAA AeEEE	1930 EEEEE EEEEE
1940	EEEE E	EEEE E	1950	EEEE E			

MEXICO (PACIFIC COAST)

		ENSENADA		31°51' N		116°38' W	
1950	.....	. eEE					
		GUADALUPE ISLAND		29°10' N		118°20' W	
1950	.....	... e					
		LA PAZ		24°10' N		110°21' W	
1950	... eeE	EEEE					
		GUAYMAS		27°55' N		110°54' W	
1950	... EEe	Eeee					
		TOPOLOBAMPO		25°36' N		109°03' W	
1950	.....	. eEE					
		MAZATLAN		23°12' N		106°25' W	
1950	... EE	EeeE					
		SOCORRO ISLAND		18°44' N		111°01' W	
1950	.....	... e					

MEXICO (PACIFIC COAST) (Continued)

	MANZANILLO		19°03' N	104°20' W
1950	.... e e e E			
	ACAPULCO		16°50' N	99°55' W

1950	.. EEE EEEE			
	SALINA CRUZ		16°10' N	95°12' W
1950	.. e E E E E E			

PANAMA (CANAL ZONE)

	CRISTOBAL		09°21' N	79°55' W			
1900	..... . . . . A	1910	AAAAA AAAAA	1920	AAAAA AAAAA	1930	AACCB BBBB
1940	BBBBB BBCc						

	BALBOA		08°58' N	79°34' W			
1900	..... . . . . A	1910	AAAAA AAAAA	1920	AAAAA AAAAA	1930	AAAAA BBBB
1940	BBBBB BBCC.						

CHILE

	ARICA		18°28' S	70°20' W
1950	ddDDD dd..			

	ANTOFAGASTA		23°39' S	70°24' W
1940	..... . DD dd	1950	DDDDD Dd..	

	CALDERA		27°04' S	70°50' W
1950	ddDDD Dd..			

	VALPARAISO		33°02' S	71°38' W
1940	dDDD DDDD	1950	DDDDD Dd..	

	TALCAHUANO		36°42' S	73°06' W
1940	..... . . . . d	1950	DDD dd Dd..	

	PUERTO MONTT		41°29' S	72°57' W
1940	.. D dd d d D dd	1950	DD dd.	

	PUNTA ARENAS		53°09' S	70°54' W
1940	.. d D d d d D D d	1950	d D D D D D D d d..	

ARGENTINA

	USHURIA		54°49' S	68°13' W
1950	..... . e e.			

	DESEADO		47°45' S	65°55' W	
1910	.. a A A A	1920	a a A a a a A A a A	1930	A a A a a A a B..

	COMODORO RIVADAVIA		45°52' S	67°29' W			
1910	.. a A a A	1920 a A A A A	1930	A A A a a a a B B B	1940	b b.

ARGENTINA (Continued)

		PUERTO MADRYN		42°46' S		65°02' W		
1940	.... b	BBC..	1950	..... .ee				
		PIRAMIDE		42°35' S		64°17' W		
1950	.....	.ee.						
		SAN ANTONIO		40°48' S		64°52' W		
1910	aAAA a	AAaaa	1920	AAaaa	.....		
		ROSALES		38°56' S		62°04' W		
1950	.....	.ee.						
		BELGRANO (BAHIA BLANCA)		38°53' S		62°06' W		
1910	.... a	AAAAA	1920	AAAaA	AAAAA	1930	aAAAA	aA. B.
		QUEQUÉN		38°35' S		58°42' W		
1910	aAAAA	AAaAA	1920	AAaAa	AAAAA	1930	AaAAa	AA BBB
1950	.....	.ee				1940	BBBBB	BB...
		MAR DEL PLATA (PUERTO)		38°00' S		57°32' W		
1950	.....	.ee.						
		MAR DEL PLATA (CLUB)		38°00' S		57°33' W		
1950	.....	.ee.						
		MAR DEL PLATA		38°03' S		57°33' W		
1910	aaAA.	AAAAA	1920	AAAAa	AAAAA	1930	AAAAA	AA BBB
		SAN CLEMENTE		36°18' S		56°46' W		
1950	.....	.ee.						
		LA PLATA		34°55' S		57°56' W		
1910	.....	.AAAA	1920	AAAAA	AAAAA	1930	AAAAA	.....
		RIO SANTIAGO		34°51' S		57°54' W		
1950	.....	.ee.						
		BUENOS AIRES		34°36' S		58°22' W		
1900	.....	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	AAAAA ~
1940	BBBBb	BB...	1950	..... .ee		1930	AAAAA	A BBB
		PALERMO		34°34' S		58°24' W		
1950	.....	.ee.						
		ISLA MARTIN GARCIA		34°11' S		58°15' W		
1950	.....	.ee.						

URUGUAY

		PUERTO DE COLONIA		34°29' S		57°51' W		
1930	.....	... BB	1940	BBBBB	BB...			

URUGUAY (Continued)

	MONTEVIDEO			34°55' S	56°13' W	
1930BB	1940	BBBBB BB...	1950D DDEE
	PUERTO DE PUNTA DEL ESTE			34°58' S	54°57' W	
1930BB	1940	BBBBB B....	1950 DD..
	PUERTO DE LA PALOMA			34°39' S	54°08' W	

1950EE

BRITISH GUIANA

	GEORGETOWN			06°48' N	58°10' W
1920	.....	...aa			

TRINIDAD

	PORT OF SPAIN			10°39' N	61°31' W
1930	.....	...bb.			

VENEZUELA

	PUERTO DE HIERRO			10°37' N	62°05' W
1950	.....	...EE			

	CARUPANO			10°40' N	63°15' W
1940	.....	...dd	1950	dddd	....

	CUMANA			10°28' N	64°12' W
1940	.....	...dd	1950	dddd	...EE

	CARENERA			10°32' N	66°07' W
1940	.....	...dd	1950	dddd	....

	LA GUAIRA			10°37' N	66°56' W
1940	.d...	...dd	1950	dddD	...EE

	TURIAMO			10°27' N	67°31' W
1950	..ddd	....		

	AMUAY			11°45' N	70°13' W
1950	dddd	...EE			

	ZAPARA ISLAND			10°58' N	71°34' W	
1920a	1930	aaAAa AA.BB	1940	.B...

	ZAPARITA			11°01' N	71°39' W	
1930b	1940	bBbb bBccc	1950	cCddd dd..

	TABLAZO			10°53' N	71°37' W
1940	....B	BBcCC	1950	CCddd DD..	

BARBADOS

St. JAMES 13°10' N 59°39' W
 1950 e e e

MEXICO (GULF COAST)

PROGRESSO 21°18' N 89°39' W
 1950 E E e E

CIUDAD DEL CARMEN 18°38' N 91°50' W
 1950 e E E

COATZACOALCOS 18°09' N 94°25' W
 1950 E E E E

ALVARADO 18°46' N 95°46' W
 1950 e E e e

VERACRUZ 19°12' N 96°08' W
 1950 E E E E

TUXPAN 21°00' N 97°20' W
 1950 e e e

TAMPICO 22°13' N 97°51' W
 1950 E e E e e

CUBA

LOS ARROYOS 22°21' N 84°23' W
 1950 c c

LA COLOMA 22°14' N 83°34' W
 1940 c 1950 c

HABANA 23°09' N 82°20' W
 1940 c c c 1950 c c

GIBARA 21°07' N 76°07' W
 1940 c 1950 c c

BARACOA 20°21' N 74°30' W
 1940 c 1950 c c

GUANTANAMO BAY 19°54' N 75°09' W
 1930 c c c 1940 c c c . c c e c c c 1950 c c

CASILDA 21°45' N 79°59' W
 1940 c 1950 c c

UNITED STATES (GULF COAST)

GALVESTON 29°19' N 94°48' W
 1900 a A 1910 A A A A A A a A A A A 1920 A A A A A A A A A A A 1930 A A A A A A A A B B B
 1940 B B B B B B B C C C C 1950 C C D D D D D E E E

UNITED STATES (GULF COAST) (Continued)

		EUGENE ISLAND		29°22' N		91°23' W	
1930	.....	...e	1940	EEEE	EEEE	1950	EEEE EEEe
		BAYAU RIGAUD		29°15' N		89°58' W	
1940	.....	...eEE	1950	EEEE	EeEE		
		PLATFORM "A" HUMBLE OIL		29°10' N		89°56' W	
1940	.....	...EE	1950	eEEEE	EEEE		
		PENSACOLA		30°24' N		87°13' W	
1920	...aA	AAAAA	1930	AAAAA	AA BBB	1940	BBBBB BBCC
		CEDAR KEYS		29°08' N		83°02' W	
1910	....a	AAAAA	1920	AAAAA	A....		
		St. PETERSBURG		27°46' N		82°37' W	
1940	.....	...eEE	1950	EEeEE	EEEE		
		KEY WEST (NAVAL BASE)		24°33' N		81°48' W	
1920	.....	...AAA	1930	AAAAA	AA BBB	1940	BBBBB bbCC
		KEY WEST (CURRY'S WHARF)		24°34' N		81°48' W	
1910	...AA	AAAAA	1920	AAAAA	A....		
		BERMUDA					
		PAGET ISLAND		32°22' N		64°40' W	
1950	.....	...ee					
		St. GEORGES		32°22' N		64°42' W	
1930	..aEA	Aeb...	1940	....e	EEEE	1950	EEEE EEEE
		IRELAND ISLAND		32°19' N		64°50' W	
1830	...AA	AAaAA	1840	AAAa	.....	1850	...aaa
		UNITED STATES (ATLANTIC COAST)					
		MIAMI BEACH		25°46' N		80°08' W	
1930	.aAAA	AABBB	1940	BBBBB	BBCC	1950	CC... DDEE
		MAYPORT		30°24' N		81°26' W	
1920	.....	...BaA	1930	AAAAA	AA BBB	1940	BBBBB BBCC
		FERNANDINA		30°41' N		81°28' W	
1890	.....	...aAA	1900	AAAAA	AAAAA	1910	AAAAA AAAAA
		1920	AAAAa	.....		
		FORT PULASKI		32°02' N		80°54' W	
1930	.....	eEEEE	1940	EEeE	EEEE	1950	EEEE EEEE
		CHARLESTON		32°47' N		79°55' W	
1920	.aAAA	AAAAA	1930	AAAAA	AA BBB	1940	BBBBB BBCC
		1950	CCDD	DDEE			
		MYRTLE BEACH		33°41' N		78°53' W	
1950	.....	...eE					

UNITED STATES (ATLANTIC COAST) (Continued)

	WILMINGTON			34°14' N		77°57' W		
1930	.....	eEEEE	1940	EEEEEE	EEEEEE	1950	EEEEEE	EEEE
	HAMPTON ROADS			36°57' N		76°20' W		
1920	.....	..aAA	1930	AAAAA	AABBB	1940	BBbbb	BCCCC
	BALTIMORE			39°16' N		76°35' W		
1900	..aAA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	AAAAA
1940	BBBBB	BBCCC	1950	CCDDD	DDEE	1930	AAAAA	AABBB
	ATLANTIC CITY			39°21' N		74°25' W		
1910	.aAAA	AAAAA	1920	A.aAA	AAAAA	1930	AAAAA	AABBB
1950	CCDDD	DDEE				1940	BBBBB	BBCCC
	SANDY HOOK (FORT HANCOCK)			40°28' N		74°01' W		
1930	..eEE	EEEEEE	1940	EEEEEE	EEEEEE	1950	EEEEEE	EEEE
	FORT HAMILTON			40°37' N		74°02' W		
1890	...AA	AAAAA	1900	AAAAA	AAAAA	1910	AAAAA	AAAAA
	NEW YORK (WHITEHALL STREET)			40°42' N		74°01' W		
1920	bBbbb	bbBAA	1930	AAAAA	AABBB	1940	BBBBB	BBCCC
	NEW YORK (BARGE OFFICE PIER)			40°42' N		74°01' W		
1920	aAAAA	AAA..						
	WILLETS POINT (FORT TOTTEN)			40°48' N		73°47' W		
1930	.eEEE	eEEEE	1940	EEEEEE	EEEEEE	1950	EEEEEE	EEEE
	NEW LONDON (STATE PIER)			41°22' N		72°05' W		
1930	.....	...eE	1940	EEEEEE	EEEEEE	1950	EEEEEE	EEEE
	NEWPORT			41°30' N		71°20' W		
1930	aAAAA	AABbb	1940	BBBBB	BBCCC	1950	CCDDd	dDEE
	BOSTON			42°21' N		71°03' W		
1920	.aAAA	AAAAA	1930	AAAAA	AABBB	1940	BBBBB	BBCCC
	PORTLAND			43°40' N		70°15' W		
1910	..AAA	AAAAA	1920	AAAAA	AAAAA	1930	AAAAA	AaBBB
1950	CCDDD	DDEE				1940	BBBBB	BbCCC
	BAR HARBOR			44°23' N		68°12' W		
1940	.....	..eEE	1950	EEEEEE	EEEE			
	EASTPORT			44°54' N		66°59' W		
1920	.....	....a	1930	AAAAA	AABBB	1940	BBBBB	BBCCC
						1950 CCDDD DDee		

CANADA (ATLANTIC AND NORTH COASTS)

	St. JOHN			45°16' N		66°04' W		
1900	.....	.C...	1910	.....	..C..	1920	aa.aa	.aa.C
1940	.CCCC	CCCCC	1950	CCdDD	DDEE	1930	AACCC	...BC

CANADA (ATLANTIC AND NORTH COASTS) (Continued)

HALIFAX				44°40' N		63°35' W					
1890	.....	..C..	1900	.....	.....	1910	.....	.....	1920	CCCC	C....
1930	C.CAC	CCCC	1940	CCCC	CCCC	1950	CCDD	DDEE			
PICTOU				45°41' N		62°42' W					
1950	.....	..EE									
CHARLOTTETOWN				46°13' N		63°08' W					
1910	..CCC	c..CC.	1920	.....	.....	1930	....C	...CC	1940	CCCC	CCCC
1950	CDDD	DDEE									
PORTAGE ISLAND				47°08' N		65°03' W					
1910	.....	..aaa									
POINT St. PETER				48°38' N		64°10' W					
1920	....C	CCCC	1930	CC...	.....					
FATHER POINT				48°31' N		68°28' W					
1920	.....	CCCC	1930	CC...	...BC	1940	.CC..	CCCC	1950	CCDd.	.EeE
QUEBEC				46°50' N		71°10' W					
1910	.....	.CCCC	1920	...C.	.....	1930	..C..	...BC	1940	CCCC	CCCC
1950	CCDD	DDEE									
CHICOUTIMI				48°27' N		71°03' W					
1940	..bbb	.....								
HARRINGTON				50°30' N		59°29' W					
1940	BBB..	BCCC	1950	CCDD	DD.E						
St. PAUL ISLAND				47°12' N		60°09' W					
1910	CCCC.	.CCCC	1920	CCCC	CC...						
PORT AUX BASQUES, NEWFOUNDLAND				47°34' N		59°07' W					
1930	.....	aAb..									
St. JOHN'S, NEWFOUNDLAND				47°34' N		52°42' W					
1930	.....	eee..	1940	..e..	.....	1950	.....	...eE			
FORTEAU BAY, LABRADOR				51°28' N		56°57' W					
1890	.....	....C	1900	CCCC	CCCC	1910	CCCC	C....			
CHURCHILL, HUDSON BAY				58°47' N		94°12' W					
1940	CCCC	CCCC	1950	CCDD	ddEE						
RESOLUTE				74°41' N		94°53' W					
1950	.....	...eE									
CAPE SHERIDAN, GRANT LAND				82°27' N		61°21' W					
1900	.....	...aa									

TABLE B

NORWAY

	VARDØ			70°20' N		31°06' E
1890	.AA...	.....			
	KABELVÅG			68°13' N		14°29' E
1880	.....	....A	1890	A.....	.....
	BODØ			67°17' N		14°23' E
1890	.....	AA...	1900	AA...	.....
	BERGEN			60°24' N		05°18' E
1880	.....A	A.....	1890	...AA	.....
	OSLO			59°54' N		10°45' E
1890	...AA.	.....			
	OSCARSBORG			59°40' N		10°37' E
1880	.....A	A.....				
	STAVANGER			58°58' N		05°44' E
1890	.....	....A	1900	AA...	.....

SWEDEN

	MALMÖ			55°37' N		13°00' E		
1900	..AAA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	AAA..
	ÅHUS			55°55' N		14°18' E		
1900	...AA	A.A..	1910	...AA	AA..A	1920	AAAAA	.AA..
	KALMAR			56°40' N		16°22' E		
1900	...AA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	AAA..
	VÄSTERVIK			57°46' N		16°39' E		
1890	.....	.AAAA	1900	AAAAA	AAAAA	1910	AAAAA	AAAAA
	VISBY			57°39' N		18°18' E		
1910	.....	.AAAA	1920	AAAAA	AAA..			
	MEM			58°29' N		16°25' E		
1860	.....A	AAAAA	1870	AAAAA	AAAAA	1880	AAaaa	AA...
	NEDRE STOCKHOLM			59°19' N		18°05' E		
1820	.....	aaaaa	1830	aaaaa	aaaaa	1840	aaaaa	aAAAA
1860	AAAAA	AAAAA	1870	AAAAA	AAAAA	1880	AAAAA	AAAAA
1900	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920	AAAAA	AAAAA
	LULEÅ			65°32' N		22°11' E		
1910	..AAA	AAAAA	1920	AAAAA	AAA..			

GERMANY (BALTIC COAST)

	WARNEMÜNDE			64°11' N		12°05' E		
1850	.....	.AAAA	1860	AAAAA	AAAAA	1870	AAAAA	AAAAA
				1880	AA...	.....	

GERMANY (BALTIC COAST) (Continued)

	WISMAR			53°54' N		11°28' E
1840	..... A	1850	AAAAA AAAAA	1860	AAAAA AAAAA	1870 AAAAA AAAAA
1880	AA...					

BELGIUM

	OSTENDE			51°14' N		02°55' E
1920	..... AAA..					

BRITISH ISLES

	BLYTH			55°07' N		01°29' W
1950	..... D DDEE.					
	WEST HARTLEPOOL			54°41' N		01°11' E
1850	..... AA	1860	A.....			
	DOVER			51°07' N		01°19' E
1880	...AA	1890	.....	1900	.....	1910 A.....
	PORTLAND			50°34' N		02°26' W
1850	.A... .A..	1860	..... .A...	1870	A.....	
	HILBRE ISLAND			53°23' N		03°13' W
1850	..... AA	1860	AAAAA AAA..			
	LIVERPOOL (PRINCES PIER)			53°25' N		03°00' W
1850	..... AAA	1860	..... AAAA			

FRANCE (WEST COAST)

	DUNKERQUE			51°03' N		02°22' E	
1920	...DD DDDDD	1930	DDDDD DDDDD	1940	D.... .DD	1950 DDDDD DDEE.	
	CALAIS			50°58' N		01°51' E	
1930	..DDD DDDDD	1940	D.....				
	BOULOGNE			50°58' N		01°51' E	
1930	..DDD DDDDD	1940	D..... .D	1950	DDDDD DDE..		
	DIEPPE			49°56' N		01°05' E	
1930	..... .DD.	1940	..... .D.	1950	DDD.D	
	LE HAVRE			49°29' N		00°06' E	
1860	AAAA.	1870	AAAAA AAAAA	1880	AAAAA AA...	1890
1900	1910	1920	1930	.DDDD .DDDD
1940	D..... DD	1950	DD.DD D.E.				
	OUISTREHAM			49°17' N		00°15' W	
1930	..DDD .DDDD	1940	DDDDD .DD.	1950	DD...		
	CHERBOURG			49°39' N		01°37' W	
1860	AAAAA AAAAA	1870	AAAAA AAAAA	1880	AAAAA	1890	.DDDD DDDDD
1900	DDDDD DDDDD	1910	DDDDD DDDDD	1920	DDDDD DDDDD	1930	DDDDD DDDDD
1940	DDDDD DDDDD	1950	D..... .E.				
	LE CONQUET			48°22' N		04°47' W	
1920DD	1930	DDDDD .DDDD	1940	DD... .DD	1950	DDD.D DDEE

FRANCE (WEST COAST) (Continued)

CAMARÉT			48°16' N			04°36' W					
1890	AAAAA	AAAAA	1900	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920	AAA.A	AAA..
QUIBERON			47°29' N			03°06' W					
1880	.....	....A	1890	AAAAA	AAAAA	1900	AAAAA	AAAAA	1910	AAAAA	AAA..
LES SABLES d'OLONNE			46°30' N			01°47' W					
1890	..DD.	.DDDD	1900	DDDDD	DDDDD	1910	D.DDD	DDDDD	1920	DD.DD	DDDDD
1930	DDDDD	DDDDD	1940	DDDDD	D..DD	1950	...DD	DD..			
LA PALLICE			46°10' N			01°13' W					
1890	.DDDD	D....	1900	.....	.....	1910	.DDDD	.DDDD	1920	DDDDD	DDDDD
1930	DDDDD	D..DD	1940	DDD..	...DD	1950	DDDDD	D..			
BIARRITZ			43°29' N			01°34' W					
1880	.....	...D	1890	DDDDD	DDDDD	1900	DDDDD	.DDDD	1910	DDDDD	DDDDD
1920	DDDD.	DDDDD	1930	DDDDD	DDDDD	1940	DDD..	.....		
St. JEAN DE LUZ			43°24' N			01°41' W					
1890	DDDDD	DDDDD	1900	DDDDD	DDDDD	1910	DDDDD	DDDDD	1920	DDDDD	DDDD.
1930	..DDD	.DDDD	1940	DD..	DDDDD	1950	DDDDD	DDE.			

SPAIN (SOUTH AND EAST COASTS)

CADIZ			36°30' N			06°12' W					
1880	AAAAA	AAAAA	1890	AAAAA	AAAA.	1900	AAAAA	AAAAA	1910	AAAAA	AAAAA
1920	.AAA.	.....								
ALICANTE			38°20' N			00°29' W					
1870	...A	AAAAA	1880	AAAAA	AAAAA	1890	AAAAA	AAAAA	1900	AAAAA	AAAAA
1910	AA...	.AAAA	1920	AAAA.	..AAA	1930	AAAAA	.....		

FRANCE (SOUTH COAST)

PORT VENDRES			42°31' N			03°07' E					
1880	.....	...DD	1890	DDDDD	DDDDD	1900	DDDDD	DDDDD	1910	DDDDD	DDDDD
1920	DDDDD	DDDDD	1930	DDDDD	DDDDD	1940	DDDD.	..DDD	1950	DDDDD	DDEE
SÈTE			43°24' N			03°42' E					
1880	.....	...DD	1890	DDDDD	DDDDD	1900	DDDDD	DDDDD	1910	DDDDD	DDDDD
1920	DDDDD	DDDDD	1930	DDDD.	..DDD	1940	DDDD.	..DDD	1950	DDDDD	DDEE
PORT - de - BOUC			43°24' N			04°59' E					
1890	...D	DDDDD	1900	DDDDD	DDDD	1910	DDDDD	DDDDD	1920	DDDDD	DDDDD
1930	DDDDD	DDDDD	1940	...DD	DDDD	1950	DDDDD	DDEE			
MARTIGUES			43°24' N			05°03' E					
1890	...D	DDDDD	1900	DDDDD	DDDDD	1910	DDDDD	DDDDD	1920	DDDDD	DDDDD
1930	DDDDD	DDDDD	1940	DDDDD	DDDDD	1950	DDDDD	DD..			
MARSEILLE (PORT VIEUX)			43°18' N			05°21' E					
1890	AAAAA	DDDDD	1900	DDDDD	DDDDD	1910	DDDDD	DDDDD	1920	DDDDD	DDDD
1930	DDDDD	DDDDD	1940	DDDDD	DDDDD	1950	DDDDD	DD..			
LA CIOTAT			43°10' N			05°37' E					
1890	...DD	DDDDD	1900	DDDDD	DDDDD	1910	DDDDD	DDDDD	1920	DDDDD	DDDDD
1930	DDDDD	DDDDD	1940	DDD..	...DD	1950	DDD..	.....		

FRANCE (SOUTH COAST) (Continued)

VILLEFRANCHE		43°42' N		07°20' E	
1910	...DD DDDDD	1920	DDDD DDDDD	1930	DDDD .DDDD
1950	DDDD D.E.			1940	DDDD DDDDD

NICE		43°41' N		07°17' E	
1880	..... AA	1890	AAAA AAAA	1900	AAAA AAAA

CORSICA

AJACCIO		41°55' N		08°44' E	
1910	...DD DDDDD	1920	DDDD DDDDD	1930	DDDD DDD..
1950	.DDDD DDEE			1940	..... DD

PROPRIANO		41°41' N		08°54' E	
1910	..aaa aaaa.	1920	AAAA AA...		

BONIFACIO		41°23' N		09°08' E	
1920	..... D	1930	DDDD DD.DD	1940	DDD.. DD
				1950	DDDD DDEE

BASTIA		42°41' N		09°26' E	
1910	...DD DDDDD	1920	DDDD DDDDD	1930	DDDD ...DD
1950	DDDD D.E.			1940	DDDD. ...DD

TURKEY

ISKENDERUN (formerly ALEXANDRETTE)		36°40' N		36°12' E	
1920	..... AAA	1930	AAAAA		

LEBANON

BEYROUTH		33°54' N		35°28' E	
1920	..AAA AAAAA	1930	AA...		

EGYPT

SUEZ		29°56' N		32°33' E	
1890	..... AAA	1900	AAAAA.		

TUNISIA

SFAX		34°44' N		10°46' E	
1910	DDDD DDDDD	1920	DDDD DDDDD	1930	DDDD DDDDD
1950	DDDD DDEE			1940	DDDD.

SOUSSE		35°49' N		10°37' E	
1910	DDDD DDDDD	1920	DDDD DDDDD	1930	DDDD DDDDD
1950	D.DDD DDEE			1940	DDDD. ....D

LA GOULETTE		36°49' N		10°18' E	
1880	..... D	1890	DDDD DDDDD	1900	DDDD DDDDD
1920	DDDD DDDDD	1930	DDDD DDDDD	1940	DDDD. ....D
				1910	DDDD DDDDD
				1950	DDDD DDEE

ALGERIA

BÔNE N° 2		36°54' N		07°46' E	
1880	..... A	1890	AAAA AAAA	1900	AAAA AAADD
1920	DDDD DDDDD	1930	DDDD DDDDD	1940	DD... DD
				1910	DDDD DDDDD
				1950	DDDD DDEE

ALGERIA (Continued)

ALGER				36°47' N		03°04' E			
1900	.....	DDDDD	1910	DDDDD	DDDDD	1920	DDDDD DDDDD	1930	DDDDD DDDDD
1940	DDD..	....D	1950	DDDDD	DDEE				
ORAN				35°43' N		00°39' W			
1890	DDDDD	DDDDD	1900	DDDDD	DD.DD	1910	DDDDD DDDDD	1920	D..DD DDDDD
1930	DDDDD	DDDDD	1940	DDD..	.DDDD	1950	DDDDD DDEE		
PORT SAY									
1920	.....	AAAAA	1930	AA...	.....			

MOROCCO

CASABLANCA				33°36' N		07°37' W			
1920	...DD	DDDDD	1930	DDDDD	DDDDD	1940	DDDDD ..DDD	1950	DDDD. DDEE
MOGADOR				31°31' N		09°47' W			
1920	....A	AAAAA							

MADAGASCAR

MAJUNGA				15°44' S		46°20' E			
1930	...AA.	.a...							
TAMATAVE				18°09' S		49°26' E			
1930	AAAAA	AA...							

ARABIA

PERIM				12°39' N		43°25' E			
1890	.....	...AA	1900	AAA..	.....			
ADEN				12°47' N		44°59' E			
1890	....A	AAAAA	1900	AAAAA	AAAAA	1910	AAAAA AAAAA	1920	A....
MUSCAT				23°37' N		58°36' E			
1890	...AA	AAA..							

IRAQ

BASRAH				30°31' N		47°51' E			
1910A..A	1920	AAAAA				

IRAN

BUSHIRE				28°54' N		50°45' E			
1890	..A.A	AAAAA	1900	A....				

PAKISTAN (WEST) (formerly INDIA)

KARACHI				24°48' N		66°58' E			
1860	.....	...AA	1870	AAAAA	AAAAA	1880	AAAAA AAAAA	1890	AAAAA AAAAA
1900	AAAAA	AAAAA	1910	AAAAA	AAAAA	1920	A....	.....

INDIA

		NAVINĀR			22°45' N		69°43' E				
1870	....A	.....								
		HANSTAL			22°56' N		70°21' E				
1870	....A	.....								
		OKHA POINT			22°28' N		69°05' E				
1870	....A	.....	1880	.....	1890	.....	1900	.....	A....
		PORBANDAR			21°38' N		69°37' E				
1890	...AA	.....	1900	AA....						
		PORT ALBERT VICTOR			20°57' N		71°32' E				
1880	.A...	.....	1890	.....	1900	AAAA.	.....			
		BHĀUNAGAR			21°48' N		72°09' E				
1880	.....	....A	1890	AAAA.	.....					
		BOMBAY (PRINCE'S DOCK)			18°57' N		72°50' E				
1880AA	1890	AAAAA	AAAAA	1900	AAAAA	AAAAA	1910	AAAAA	AAAAA
1920	A....									
		MORMUGAO			15°25' N		73°48' E				
1880	....A	AAAA.								
		KARWAR			14°48' N		74°06' E				
1870	.....	...AA	1880	AAA..	.....					
		BEYPÖRE			11°10' N		75°48' E				
1870	.....	...AA	1880	AAAA.	.....					
		COCHIN			09°58' N		76°15' E				
1880	.....	.AAAA	1890	AA....	.....					
		MINICOY ISLAND			08°17' N		73°03' E				
1890	.AAAA	A....									
		TUTICORIN			08°48' N		78°09' E				
1880	.....	...AA	1890	AA....	.....					
		PAMBAN PASS			09°16' N		79°12' E				
1870	.....	...AA	1880	AA....	.....					
		NEGAPATAM			10°46' N		79°51' E				
1880	.AA..	AAA..									
		MADRAS			13°06' N		80°18' E				
1880	AAAAA	AAAAA	1890	AAAAA	1900	AAAAA	AAAAA	1910	AAAAA	AAAAA
1920	A....									
		COCANADA			16°56' N		82°15' E				
1880	.....	.AAAA	1890	A....	.....					

INDIA (Continued)

	VIZAGAPATAM			17°41' N		83°17' E
1870	..... A	1880	AAAAA			
	FALSE POINT			20°25' N		86°47' E
1880	.AAAA					
	DUBLAT			21°38' N		88°08' E
1880	.AAAA A....					
	DIAMOND HARBOUR			22°11' N		88°11' E
1880	.AAAA A....					
	KIDDERFORE			22°32' N		88°20' E
1890	..... A	1900	AAAAA AAAAA	1910	AAAAA AAAAA	1920 A.....

CEYLON

	COLOMBO			06°57' N		79°51' E
1880	..... A		AAAAA			
	GALLE			06°02' N		80°13' E
1880	..... A		AAAAA			
	TRINCOMALEE			08°33' N		81°13' E
1890	AAAAA A....					

PAKISTAN (EAST) (formerly INDIA)

	CHITTAGONG			22°20' N		91°55' E
1380	..... .AAAA	1890	A.....			

BURMA

	AKYAB			20°08' N		92°54' E
1880	..... .AAA	1890	AA....			
	DIAMOND ISLAND			15°52' N		94°17' E
1890	..... AAAAA					
	ELEPHANT POINT			16°30' N		96°18' E
1880	A...A AAAAA					
	RANGOON			18°46' N		96°10' E
1880	AAAAA AAAAA	1890	AAAAA AAAAA	1900	AAAAA AAAAA	1910 AAAAA AAAAA
1920	A.....					
	MOULMEIN			16°29' N		97°37' E
1880	AAAAA A....	1890	.....	1900	..... A	1910 AAAAA AAAAA
1920	A.....					
	AMHERST			16°05' N		97°34' E
1880	AAAAA A....					
	MERGUI			12°26' N		98°36' E
1880	..... .AAA	1890	AAAA.			

ANDAMAN ISLANDS

		PORT BLAIR				11°41' N			92°46' E		
1880	AAAAA	AAAAA	1890	AAAAA	AAAAA	1900	AAAAA	AAAAA	1910	AAAAA	AAAAA
1920	A....	.....								

JAPAN

HOKKAIDO

		HANASAKI				43°17' N			145°35' E		
1890	.....	..A.A	1900	AAA..	.....					
		OTARU				43°13' N			141°03' E		
1900	..AA.	.....								

HONSHU (EAST COAST)

		AIKAWA				38°18' N			141°30' E		
1890	....A	A....	1900	...AA	.A...						
		YOKOHAMA				35°29' N			139°39' E		
1900	AAAAA	A....									
		ABURATUBO				35°09' N			139°37' E		
1890	.....	AAAA.	1900	....A	.....					
		TOBA				34°29' N			136°51' E		
1920	.....	..A..									
		KUSIMOTO				33°28' N			136°47' E		
1890	.....	..AAA	1900	....A	A....						

INLAND SEA

		SIMOTU				34°07' N			135°08' E		
1920	.....	..AA.									
		KOBE				34°41' N			135°11' E		
1900	AAAAA	.A...									

SHIKOKU

		UWAJIMA				33°14' N			132°33' E		
1920	.....	..AA.									

KYUSHU

		HOSOSIMA				32°25' N			131°40' E		
1890	.....	AAA..	1900	.....	.A...						
		HUKABORI				32°41' N			129°49' E		
1890	.....	..AAA	1900	.A...	A....						

HONSHU (WEST COAST)

		HAMADA				34°55' N			132°04' E		
1890	.....	AA...	1900	.AAAA	.....					

JAPAN (Continued)

HONSHU (WEST COAST) (Continued)

1920	.....	SAKAI	35°33' N	133°14' E
1900	..AAAA	WAZIMA	37°24' N	136°54' E
1900	..AAA	IWASAKI	40°35' N	139°55' E

FORMOSA

1900	.....	KIRUN	25°09' N	121°45' E
1900	.....A	TAKAO	22°37' N	120°16' E

AUSTRALIA

1860	.....	BRISBANE	27°19' S	153°10' E			
1900	1870	1880	1890	A...
1890	.....	BALLINA	28°52' S	153°37' E			
1900	A.....	NEWCASTLE	32°55' S	151°48' E				
1870	...AA	SYDNEY	33°51' S	151°14' E				
1870	.....	1880	AAAAA	A..A.			
1870	.....	ALBANY	35°02' S	117°54' E			
1900	.....	FREMANTLE	32°03' S	115°44' E			
1910	.....	1910	aaa..	.....			

NEW ZEALAND

1910	.....	WEST PORT	41°46' S	171°37' E
1910	...A.A	1920	AAA..	.....
1910	...A.A	DUNEDIN	45°53' S	170°33' E
1900	.A...	PORT CHALMERS	45°49' S	170°39' E
1900	.AA..	PORT LYTTTELTON	43°36' S	172°51' E
1900	AA...	1910	....A	...AA
1900	AA...	AUCKLAND	36°51' S	174°49' E
1910	.....	1910	.....	...AAA
1910	.....	NEW PLYMOUTH	39°03' S	174°02' E
1910	.....	1920	AA...	.....

NEW ZEALAND (Continued)

	WELLINGTON				41°17' S	174°48' E	
1900	.A...	....A	1910	.....	A...A		
CAROLINE ISLANDS							
	PALAU				7°20' N	134°29' E	
1920	.....	.A...					
CANADA (PACIFIC COAST)							
	PORT SIMPSON				54°34' N	130°26' W	
1900	..AAA	AAAAA	1910	.AAAA	AAAAA	1920	A....
	PRINCE RUPERT				54°19' N	130°20' W	
1900	.....	AAAAA	1910	AAAAA	AAAA.		
	WADHAMS				51°24' N	127°38' W	
1900	.....	.AAAA	1910	AA...	.....	
	CAULFEILDS				49°19' N	123°15' W	
1910	...AA	AAAAA	1920	AA...	.....	
	SAND HEADS				49°07' N	123°17' W	
1890	.....	AAAAA	1900	AAAAA	.....	
	VANCOUVER				49°18' N	123°07' W	
1900	...A.	AAAAA	1910	AAAAA	AAAAA	1920	AAAA.
	VICTORIA				48°26' N	123°23' W	
1890	.....	AAA..	1900	...AA	....A	1910	AAAAA
1930	AAAAA	A....			AAAAA	1920	AAAAA
CANADA (ATLANTIC AND NORTH COASTS)							
	St. JOHN				45°16' N	66°04' W	
1890	....A	AAAAA	1900	AAAAA	AAAAA	1910	AAAAA
1930	AAAAA	.....			AAA..	1920	AA..A
	HALIFAX				44°40' N	63°35' W	
1850	.AAAA	.....	1860	AAA..	.....	1870	.....
1890	....A	AAAAA	1900	AAAAA	AA...	1910	.....
1930	..AAA	AA...			.....A	1920	AAAAA
	CHARLOTTETOWN				46°13' N	63°08' W	
1900	.....	...AA	1910	AAAAA	A..AA	1920	.....
	FATHER POINT				48°31' N	68°28' W	
1890	.....	...AA	1900	AA..A	AAAAA	1910	AAAAA
	QUEBEC				46°50' N	71°10' W	
1890	....A	AAAAA	1900	AAAAA	AAAAA	1910	AAAAA
1930	..AA..	.....			AAAAA	1920	A....
	S. W. POINT ANTICOSTI				49°24' N	63°36' W	
1890	....A	AAAA.					
	St. PAUL ISLAND				47°12' N	60°09' W	
1890	.....	AAAAA	1900	AAAAA	AAAAA	1910	AAAAA
	FORTEAU BAY				51°27' N	50°53' W	
1890	.....	...AA	1900	AAAAA	.....	

TABLE C

ERRATA OR ADDENDA TO PUBLISHED DATA

STATION	No of Publ. Sci. in which data first appeared	No of Publ. Sci. in which correction appd.	Data Year Concerned
NORWAY			
TROMSÖ	19	20	All years before 1956
MÅLÖY	19	20	1955 - 1956
DENMARK			
HORNBAEK	5	10	1936
AARHUS	5	10	February 1904, November 1918
HIRTSHALS	5	10	1936
GERMANY			
CUXHAVEN	12	19	1938 - 1949
BRITISH ISLES			
SHEERNESS	12	19	1834, 1894, 1909, 1951
LIVERPOOL	19	20	1956
FRANCE (WEST COAST)			
DUNKERQUE	5	19	1923 - 1936 (ANNUAL)
CALAIS	5	19	1932 - 1934, 1936 (ANNUAL)
BOULOGNE	5	19	1932 - 1936 (ANNUAL)
DIEPPE	5	19	1936 (ANNUAL)
LE HAVRE	5	19	1931 - 1934, 1936 (ANNUAL)
OUISTREHAM	5	19	1932 - 1934, 1936 (ANNUAL)
CHERBOURG	5	19	1891 - 1936
LE CONQUET	5	19	1928 - 1934, 1936 (ANNUAL)
LES SABLES D'OLONNE	5	19	1892-1893, 1896-1910, 1912-1921, 1923-1936
LA PALLICE	5	19	1891-1895, 1911-1914, 1916-1935
BIARRITZ	5	19	1889-1904, 1906-1923, 1925-1936
ST JEAN de LUZ	5	19	1890-1928, 1932-1934, 1936
PORTUGAL			
CASCAIS	5 and 10	12	1917 - 1946
LAGOS	5 and 10	12	1917 - 1946
FRANCE (SOUTH COAST)			
PORT VENDRES	5	19	1888 - 1936
SÈTE	5	19	1888 - 1933
PORT - de - BOUC	5	19	1894 - 1908, 1910 - 1936
MARTIGUES	5	19	1894 - 1936
MARSEILLE	5	19	1890 - 1936
LA CIOTAT	5	19	1893 - 1936
VILLEFRANCHE	5	19	1913 - 1933, 1936

STATION	No of Publ. Sci. in which data first appeared	No of Publ. Sci. in which correction appd.	Data Year Concerned
CORSICA			
AJACCIO	5	19	1912 - 1936
BONIFACIO	5	19	1929 - 1936
BASTIA	5	19	1912 - 1934
YUGOSLAVIA			
BAKAR	5 and 10	12	Datum 1930 - 1938
TUNISIA			
SFAX	5	19	1910 - 1936
SOUSSE	5	19	1910 - 1928, 1930 - 1936
LA GOULETTE	5	19	1889 - 1936
ALGERIA			
BÔNE No 2	5	19	1908 - 1936
ALGER	5	19	1905 - 1936
ORAN	5	19	1890 - 1906, 1908 - 1920, 1923 - 1936
MOROCCO			
CASABLANCA	5	19	1923 - 1936
AZORES			
PONTA DELGADA	10	12	Datum 1938
ANGRA DO HEROISMO	10	12	1937 - 1938
CANARIES			
SANTA CRUZ (A)	5	12	1927 - 1934
SANTA CRUZ (B)	5	12	1926 - 1934
MADAGASCAR			
TAMATAVE	5	19	1930 - 1936
ARABIA			
ADEN	10 and 12	19	1937 - 1947
PAKISTAN (WEST) - formerly INDIA			
KARĀCHI	10 and 12	19	1937 - 1947
INDIA			
BHĀUNAGAR	10 and 12	19	1937 - 1947
BOMBAY (APOLLO BANDAR)	10 and 12	19	1937 - 1947
VIZAGAPATAM	10 and 12	19	1937 - 1947
SAUGOR	10	19	1937 - 1943
PAKISTAN (EAST) - formerly INDIA			
CHITTAGONG	10 and 12	19	1937 - 1947

MEAN SEA LEVEL DATA (1807-1958)

STATION	No of Publ. Sci. in which data first appeared	No of Publ. Sci. in which correction appd	Data Year Concerned
BURMA			
RANGOON	10 and 12	19	1937 - 1941, 1947
THAILAND (formerly SIAM)			
Ko SICHANG	10	12	1940 - 1946
FORT PHRA CHULA CHOMKLAO	10	12	1940 - 1945
BANGKOK	10	12	1940 - 1945
PHRACHUAP KIRIKHAN	10	12	1940 - 1945
Ko TA - PHAO NOI (PHUKET)	10	12	1940 - 1946
CHINA			
HONG KONG	19	20	1953, 1955, 1956
AUSTRALIA			
NEWCASTLE	12	20	1947
PORT AUGUSTA	12	19	1949 - 1950
WILLIAMSTOWN	10	12	1937 - 1944
CANADA (PACIFIC)			
PRINCE RUPERT	5 and 10	12	1910 - 1911, 1933, 1939, 1945 - 1946
POINT ATKINSON	10	12	1946
VANCOUVER	10	12	1941, 1945 - 1946
CLAYOQUOT	5 and 10	12	1935, 1941, 1946
VICTORIA	5 and 10	12	1923 - 1924, 1932, 1940 - 1941, 1945 - 1946
PANAMA CANAL			
CRISTOBAL	5	12	1932 - 1933
CANADA (ATLANTIC AND NORTH SEA)			
St. JOHN	5 and 10	12	1921, 1924, 1927, 1930 - 1934, 1942, 1946
HALIFAX	5 and 10	12	1896-1906, 1920-28, 1932, 1934-43, 1945-46
CHARLOTTETOWN	5 and 10	12	1912-1914, 1917-18, 1934, 1938-1942, 1946
POINT St PETER	5	12	1925
FATHER POINT	10	12	1939, 1941 - 1942, 1945 - 1946
QUEBEC	5 and 10	12	1898 - 1899, 1932, 1942, 1945, 1946
St. PAUL ISLAND	5	12	1921 - 1926
FORTEAU BAY	5	12	1899 - 1904
CHURCHILL	10	12	1940 - 1943

ALPHABETICAL INDEX

- Aarhus 9, 55
 Aberdeen 11
 Aburatubo 27, 52
 Acapulco 38
 Accra 19
 Aden 21, 49, 56
 Ahus 45
 Aikawa 26, 52
 Ainazi (Hainasch) 7
 Ajaccio 48, 56
 Akyab 22, 51
 Albany 33, 53
 Alert Bay 36
 Alesund 2
 Algeciras 15
 Alger 49, 56
 ALGERIA 48, 56
 Alicante 15, 47
 Alvarado 41
 Amboina 25
 American River, Hart's Jetty 32
 Amherst 23, 51
 Amuay 40
 Ancona 16
 ANDAMAN ISLANDS 23, 52
 Andenes 1
 Andrejosta (Andreashafen) 7
 Angra Do Heroismo 19, 56
 Antalya 18
 Antofagasta 38
 Antwerpen (Anvers) 11
 Apra Harbour, Guam 34
 ARABIA 21-49, 56
 Araceli, Dumarán Island 30
 Ardrossan 32
 Arendal 3
 ARGENTINA 38
 Arica 38
 Arkona 8
 Arnavutköy 18
 Arorae 34
 Arrecife 19
 Asamushi 29
 Ashdod 18
 Atlantic City 43
 Auckland 33, 53
 AUSTRALIA 30, 53, 57
 Avila 37
 Avonmouth 12
 Ayukawa 26
 AZORES 19, 56

 Bäckevik 3
 Bakar 16, 56
 Balboa 38
 Ballina 31, 53
 Baltimore 43
 Bandjermasin 24
 Bangkok Bar 25, 57
 Baracoa 41

 BARBADOS 41
 Bar Harbor 43
 Basrah 21, 49
 Bass Harbour 23
 Bastia 48, 56
 Batavia 24
 Batuan Bay, Tikao 30
 Bayau Rigaud 42
 Beachport 32
 Belawan 23
 Belfast 13
 BELGIUM 11, 46
 Belgrano (Bahia Blanca) 39
 Bengkalis 23
 Benkoelen 23
 Bergen 2, 45
 Berlevag 1
 BERMUDA 42
 Beypore 50
 Beyrouth 48
 Bhaunagar 21, 50, 56
 Biarritz 47, 55
 Biri Island, Samar 30
 Birkenhead (Alfred Dock) 13
 Björn 4
 Bluff 33
 Blyth 46
 Bodö 2, 45
 Bombay (Apollo Bandar) 21, 56
 Bombay (Prince's Dock) 21, 50
 Bône 48, 56
 Bonifacio 48, 56
 Borgund 2
 BORNEO 24
 Boston 43
 Boulogne 13, 46, 55
 Bremerhaven 10
 Brest 14
 Brighton 32
 Brisbane 53
 BRITISH GUIANA 40
 BRITISH ISLES 11, 46, 55
 Broce 17
 Brønnøysund 2
 Brouwershaven 11
 Buenos Aires 39
 Bunbury 33
 BURMA 22, 51, 57
 Bushire 49

 Cadiz 15, 47
 Cagliari 15
 Cairns 31
 Calabar 20
 Calais 13, 46, 55
 Calcutta (Garden Reach) 22
 Caldera 38
 Camaret 47
 Camp Cove 31
 CANADA (Atlantic and North Coasts) 43, 54, 57

CANADA (Pacific Coast) 36, 54, 57	Dieppe 13, 46, 55
CANARIES 19, 56	Djameoanrif 24
Canoe Pass 36	Douglas 13
Canton Island 34	Dover 12, 46
Cape Chelyuskin 1	Draghällan (Sundsvall) 4
Cape Schmidt 1	Dreger Harbour 30
Cape Sheridan, Grant Land 44	Dublakhal 22
Cape Sorrell, Tasmania 32	Dublat 51
CAPE VERDE ISLANDS 19	Dublat (Saugor Island) 22
Cape Zhelanija 1	Dublin 13
Carenera 40	Dubrovnik 17
CAROLINE ISLANDS 34, 54	Dunbar 11
Carupano 40	Dundee 11
Casablanca 18, 49, 56	Dunedin 33, 53
Cascais (Lisboa) 14, 55	Dunkerque 13, 46, 55
Casilda 41	Durban 20
Catania 16	Dzirnupe (MILgrävis Mühlgraben) 7
Caulfeilds 36, 54	
Cedar Keys 42	Easter Island 35
CELEBES 25	EAST PACIFIC 35
Ceuta 18	Eastport 43
CEYLON 22, 51	Eden 31
CHANNEL ISLANDS 13	Edithburgh 32
Charlestown 42	EGYPT 18, 48
Charlottetown 44, 54, 57	Elephant Point 51
Cherbourg 14, 46, 55	Emmahaven (Padang) 23
Cheribon 24	Eniwetok 34
Chicoutimi 44	Ensenada 37
CHILE 38	Ereglisi 18
CHINA 25, 57	Esbjerg 10
Chittagong 22, 51, 56	Eugene Island 42
Choshi 27	Evenskjaer 2
Christmas Island 35	
Churchill, Hudson Bay 44, 57	Fao 21
Civitavecchia 15	False Point 51
Clayoquot (Tofino) 36, 57	Fanning Island 35
Coatzacoalcos 41	Father Point 44, 54, 57
Cocanada 50	Fecamp 13
Cochin 22, 50	Felixstowe 12
Coff's Harbour 31	Fernandina 42
Colombo 22, 51	FINLAND (Baltic Coast) 4
Comodoro Rivadavia 38	FINLAND (Arctic Coast) 1
Comox 36	Forcados 20
CORSICA 48, 56	FORMOSA 29, 53
Crescent City 37	Forteau Bay, Labrador 44, 55, 57
Cristobal 38, 57	Fort Hamilton 43
CUBA 41	Fort Phra Chula Chomklao 25, 57
Cuidad Del Carmen 41	Fort Pulaski 42
Cumana 40	FRANCE (South Coast) 15, 47, 55
Cuxhaven 10, 55	FRANCE (West Coast) 13, 46, 55
	Franklyn Harbour 33
Dakar 19	Fredericia 9
Dar-Es-Salaam 21	Fredertkshavn 9
Darwin 30	Freetown 19
Daugavgriva (Dunamunde) 7	Fremantle 33, 53
Davao, Davao 30	Furuögrund 4
Degerby 6	
Delfzijl 10	Galle 51
Den Helder 10	Galveston 41
DENMARK 9, 55	Gdynia 8
Deseado 38	Gedser 9
Déversoir 18	Généffe 18
Diamond Harbour 22, 51	Genova 15
Diamond Island 51	Genzan 25

- Georgetown 40
GERMANY (Baltic Coast) 8, 45
GERMANY (North Sea) 10, 55
GHANA (formerly Gold Coast) 19
Gibara 41
Gijón 14
GILBERT ISLANDS 34
Gladstone 31
Göteborg 3
Grand Port 20
GREECE 17
Grindavik 1
Grönskär 4
Guadelupe Island 37
Guantanamo Bay 41
Guaymas 37
- Habana 41
Hachinohe 26
Hakodate 26
Halifax 44, 54, 57
Hamada 28, 52
Hamna (Fredrikshamn) 6
Hammerfest 1
Hampton Roads 43
Hanasaki 26, 52
Hanko (Hangö) 7
Hanstal 50
Hanstholm 10
Harlingen 10
Harrington 44
Harstad 1
Haugesund 3
HAWAIIAN ISLANDS 34
Heimsjö 2
Hel 8, 34
Helligman (Hellman) 6
Hellevoetsluis 10
Helsinki (Helsingfors) 5
Hercegovi 17
Hermanus 20
Hilbre Island 46
Hilo 35
Hirtshals 10, 55
Hobart, Tasmania 31
Hoek Van Holland 10
Hog Bay 32
Holyhead 12
Hong Kong 25, 57
Honolulu 34
Honto 26
Hornbaek 9, 55
Hortá 19
Horten 3
Hososima 28, 52
Hukabori 28, 52
- ICELAND 1
Ijmuiden 10
ILES AUSTRALES 35
ILES DE LA SOCIETE 35
Iloilo, Panay 30
Immingham 11
INDIA 50, 56
- INDONESIA 23
IRAN 49
IRAQ 49
Ireland Island 42
Iskenderun 18, 48
Isla Martin Garcia 39
ISRAEL 18
ITALY (East Coast) 16
ITALY (West Coast) 15
Ito 27
Iwasaki 29, 53
Izmir 18
- JAPAN 26, 52
Jastarnia 8
Jolo, Sulu Archipelago 30
Johnston Island 34
Johore Bahru 23
Jossingford 3
Jungfrusund 6
- Kabelvåg 45
Kabret 18
Kahului 35
Kainan 27
Kalamai 17
Kaliningrad 8
Kalmar 45
Kandla 21
Karāchi 21, 49, 56
Karwar 50
Kashiwazaki 29
Kaskinen (Kaskö) 5
Kavalla 17
Kemi 4
KENYA 21
Ketchikan 36
Key West (Curry's Wharf) 42
Key West (Naval Base) 42
Khios 17
Kidderpore 22, 51
Kilindini 21
Kingscote 32
Kingston 32
Kirun 29, 53
Kjölssdal 2
Klagshamn 3
Klaipeda (Memel) 8
Kobbaklintar 6
Kobe 27, 52
Köbenhavn 9
Köchi 28
Koh Hlak 25
Koivisto (Björkö) 6
Kolkasrags (Domesnäs) 7
Komatsushima 27
KOREA 25
Korsör 9
Kō Sichang 25, 57
Kō Ta-Phao Noi (Phuket) 25, 57
Kotka 6
Kristiansund 2
Kroë 23
Kungholms Fort (Karlskrona) 4

Kushiro 26
 Kusimoto 27, 52
 Kwajalein 34

 La Ciotat 47, 55
 La Coloma 41
 La Coruña 14
 Lagos 15, 20, 55
 La Goulette 48, 56
 La Guaira 40
 La Jolla 37
 La Maddalena 15
 Landsort 4
 La Pallice 14, 47, 55
 La Paz 37
 La Plata 39
 LEBANON 48
 Le Conquet 46, 55
 Legaspi 29
 Le Havre 13, 46, 55
 Leith 11
 Lemström 6
 Lerwick 11
 Les Sables d'Olonne 47, 55
 Le Verdon 14
 Lézardrieux 14
 Liepāja (Libau) 8
 Liinahamari 1
 Ljmhavn 3
 LINE ISLANDS 35
 Liverpool (Georges Pier) 12, 55
 Liverpool (Princes Pier) 12, 46
 Livorno 15
 Lohm 6
 London Bridge 12
 Londonderry 13
 Lord Howe Island 31
 Lorlent 14
 Los Angeles 37
 Los Arroyos 41
 Low Islands, Berrier Reef 30
 Luderitz 20
 Luleå 45
 Lyökki (Lökö) 6
 Lypyrtili (Lypertö) 6

 Maatsuyker Island, Tasmania 32
 Macao (Macau-Siac) 25
 Mackay 31
 MADAGASCAR 20, 49, 56
 Madras 22, 50
 Maizuru 29
 Majunga 49
 Makassar 25
 Malaga 15
 MALAYA 23
 Malin Head 13
 Mali Ston 17
 Malmö 45
 Mälby 2, 55
 Manado 25
 Mangalore 22
 Manila, Luzon 29
 Mäntyluoto 5

 Manzanillo 38
 Mar Del Plata 39
 Mar Del Plata (Club) 39
 Mar Del Plata (Puerto) 39
 MARIANAS ISLANDS 34
 Marienleuchte 9
 Marseille 15, 55
 Marseille (Port Vieux) 47
 MARSHALL ISLANDS 34
 Martigues 47, 55
 Massacre Bay, Attu 35
 Massluis 10
 Matavai 35
 Matsuyama 28
 MAURITIUS 20
 Mayport 42
 Mazard Del Vallo 16
 Mazatlan 37
 Mem' 4, 45
 Memel 8
 Mera 27
 Mergui 51
 Mersrags (Messaragotsem Markgrafen) 7
 Messina 16
 MEXICO (Gulf Coast) 41
 MEXICO (Pacific Coast) 37
 Miami Beach 42
 Midway Island 34
 Milford Haven 12
 Millport (Isle of Cumbrae) 13
 Minicoy Island 50
 Miyako 26
 Miyazu 29
 Moen Island 34
 Mogador 49
 Mo I Rana 2
 Mokuoloe Island 35
 Molde 2
 MOLUCCAS 25
 Mommark 9
 Monbetsu 26
 Montevideo 40
 Mormugao 50
 MOROCCO 18, 49, 56
 Mosjöen 2
 Mossel Bay 20
 Moulmein 23, 51
 Mundra 21
 Murmansk 1
 Muscat 49
 Myrtle Beach 42

 Nab Tower 12
 Nagaeva Bay 26
 Nagoya 27
 Napoli (Arsenale) 16
 Napoli (Mandraccio) 16
 Narvik 2
 Navarin 50
 Nawiliwili 34
 Naze 28
 Neah Bay 37
 Nedre Gävle 4
 Nedre Nyköping 4

- Nedre Södertälje 4
 Nedre Stockholm 45
 Negapatam 50
 NETHERLANDS 10
 Nevlunghavn 3
 NEW CALEDONIA 34
 Newcastle 31, 53, 57
 Newchwang 25
 NEW GUINEA 30
 New London (State Pier) 43
 Newlyn 12
 New Plymouth 53
 Newport 43
 New York (Barge Office Pier) 43
 New York (Whitehall Street) 43
 NEW ZEALAND 33, 53
 Nezugaseki 29
 Nice 48
 Nieuport 11
 NIGERIA 20
 Norfolk Island 31
 NORWAY 1, 45, 55
 Nosy Bé, 20
 Noumea 34
 Newy Port 8
- Ocean Island 34
 Oepang 23
 Okha Point 50
 Ölands N. Udde 4
 Ominato 29
 Onahama 27
 Oosthaven 23
 Oran 49, 56
 Osaki Wan 28
 Oscansborg 3, 45
 Oshoro 26
 Oslo 2, 45
 Ostende 11, 46
 Otaru 26, 52
 Ouistreham 46, 55
 Oulu/Uleåborg 5
- Paget Island 42
 PAKISTAN (East) 22, 51, 56
 PAKISTAN (West) 21, 49, 56
 Palau 54
 Palermo (Argentina) 39
 Palermo (Sicily) 16
 Palmyra Island 35
 Pamban Pass 50
 PANAMA (Canal Zone) 38, 57
 Pape (Papensee) 8
 Pasajes 14
 Patjitan 24
 Pāvilosta (Paul shafen) 8
 Pekalongan 24
 Pensacola 42
 Perim 49
 Petropavlovsk 26
 PHILIPPINE ISLANDS 29
 PHOENIX ISLANDS 34
 Phrachuap Kirikhan 25, 57
 Phrachul 25
- Pictou 44
 Ptetarsaari/Jakobstad 7
 Pillau 8
 Piraiévs 17
 Piramide 39
 Plaboean-Ratoe 24
 Platform "A" Humble Oil 42
 Point Atkinson 36, 57
 Point Barrow 35
 Point St. Peter 44, 57
 Pola 16
 POLAND 8
 Ponta Delgada 19, 56
 Pontianak 24
 Porbandar 50
 Port Adelaide 32
 Portage Island 44
 Port Alberni 36
 Port Albert Victor 50
 Port Augusta 33, 57
 Port Aux Basques 44
 Port Blair 23, 52
 Port Chalmers 53
 Port-de-Bouc 47, 55
 Port Harcourt 20
 Port Hedland 33
 Port Kembla 31
 Portland (Australia) 32
 Portland (British Isles) 12, 46
 Portland (United States--Atlantic) 43
 Port Lincoln 33
 Port Lyttelton 33, 53
 Port MacDonnell 32
 Port Moresby 30
 Port Nolloth 20
 Porto Corsini 16
 Port of Spain 40
 Porto Grande (St. Vincent) 19
 Porto Maurizio 15
 Port Phillip Heads 31
 Port Pirie 33
 Port Said 18
 Port San Miguel, Tikao 29
 Port Say 49
 Port Simpson 54
 Portsmouth 12
 Port Thewfik 18
 Port Tuapse 18
 PORTUGAL 14, 55
 Port Uson, Busuanga Island 30
 Port Vendres 47, 55
 Port Wallaroo 33
 POSIDHONIA 17
 Preveza 17
 Prigi-Radja 23
 Prince Rupert 36, 54, 57
 Progresso 41
 Propiano 48
 Puck 8
 Puerto de Colonia 39
 Puerto de Hierro 40
 Puerto de la Luz 19
 Puerto de la Paloma 40
 Puerto de Punta del Este 40

Puerto Madryn 39	Sfax 48, 56
Puerto Montt 38	Shanghai 25
Puerto Princess, Palawan 30	Sheerness 12, 55
Pulau Lakei 24	Shimizu 27
Punta Arenas 38	Shimonoseki 28
	Sibolga 23
Quebec 44, 54, 57	SICILY 16
Queen Charlotte City 36	SIERRA LEONE 19
Quequen 39	Simons Bay 20
Quiberon 47	Simotu 52
	Sitka 36
Raahe/Brahestad 5	Skagway 36
Rangoon 22, 51, 57	Skuru 5
Ratan 4	Slipshavn 9
Ratnagiri 21	S. Moesang-Ketjil 24
Rauma/Raumo 5	Smögen 3
Reposaari (Räfsö) 5	Socorro Island 37
Resolute 44	Söderskär 5
Reykjavik 1	Soerabaya 24
Rigas Vecais Dzelzs Tilts (Riga Old Iron Bridge) 7	Sousse 48, 56
Rio Santiago 39	SOUTH AFRICA 20
Risoyhamn 1	Southampton 12
Robben Island 20	Southend 12
Robe 32	SPAIN (North Coast) 14
Rødbyhavn 9	SPAIN (South and East Coasts) 15, 47
Roja (Rojen) 7	SPANISH MOROCCO 18
Rönnskär 5	Split Harbour 17
Rosales 39	Split rt. Marjana 17
Rovinj 16	Stavanger 3, 45
Rozel (Jersey) 13	Stenhouse Bay 32
Rurutu 35	St. Georges 42
Russarö (Hanko, Hangö) 7	St. Helier (Jersey) 13
Russkaya Gavan 1	St. James 41
	St. Jean-De-Luz 14, 47, 55
Sakai 29, 53	St. John 43, 54, 57
Salacgríva (Salismünde) 7	St. John's, Newfoundland 44
Sälgrund 5	St. Malo 14
Salina Cruz 38	St. Nazaire 14
San Antonio 39	Stockholm 4
San Clemente 39	Stolpmünde 8
San Clemente Island 37	Stompneus Bay 20
San Diego 37	Stornoway 13
Sandy Hook (Fort Hancock) 43	St. Paul Island 44, 55, 57
Sand Heads 54	St. Peter Port (Guernsey) 13
San Fernando, La Union 29	St. Petersburg 42
San Francisco 37	Strömma 7
Santa Cruz de la Palma 19	Strömstad 3
Santa Cruz das Flores 19	Suez 48
Santa Cruz de Tenerife (a) 19, 56	Suursaari (Hogland) 6
Santa Cruz de Tenerife (b) 19, 56	SWEDEN 3, 45
Santander 14	Sweeper Cove, Adak 35
Säppi (Säbbskär) 5	Swinemunde 8
SARDINIA 15	S. W. Point, Anticosti 54
Sasebo 28	Sydney (Fort Denison) 31, 53
Saugor 22, 56	
Seattle 37	Tablazo 40
Sebu (Cebu) 30	Table Bay Harbour (Duncan Dock) 20
Second Valley 32	Tacloban, Leyte 30
Sembilangan 24	Takamatsu 28
Semarang 24	Takao 29, 53
SENEGAL 19	Takaroa 35
Sète 47, 55	Takoradi 19
Seward 36	Talcahuano 38
	Tallinn (Reval) 7

- Tamatave 49, 56
 Tambilahan 23
 Tampico 41
 Tandjong-Priok 24
 Tannowa 27
 TANGANYIKA 21
 Taranto 16
 Tarifa 15
 Tegal 24
 Terschelling 10
 THAILAND (formerly Siam) 25, 57
 Thessaloniki 17
 Thevenard 33
 Thursday Island 30
 Tjilatjap 24
 Toba 52
 Toeban 24
 Tokuyama 28
 Tokyo 27
 Tonoura 28
 Topolobampo 37
 Tosa-Shimizu 28
 Townsville Harbour 31
 Trabzon 18
 Travemünde 9
 Tregde 3
 Trieste 16
 Trincomalee 51
 TRINIDAD 40
 Tromsø 1, 55
 Trondheim 2
 TUAMOTU ARCHIPELAGO 35
 TUNISIA 48, 56
 Turiamo 40
 TURKEY 18, 48
 Turku/Åbo 6
 Tuticorin 50
 Tuxpan 41
 Tvärminne 5
 Tynemouth 11

 Uchiura 27
 Ugolnaja Bay 26
 Ulcinj 17
 Umm Said 21
 Unalaska 35
 UNITED STATES (ALASKA) 35
 UNITED STATES (Aleutian Islands) 35
 UNITED STATES (Atlantic Coast) 42
 UNITED STATES (Gulf Coast) 41
 UNITED STATES (Pacific Coast) 37
 Uno 28
 URUGUAY 39
 Usce Neretve 17
 Ushuria 38
 U. S. S. R. (Arctic Coast) 1
 U. S. S. R. (Baltic Coast) 8
 U. S. S. R. (Black Sea) 18
 U. S. S. R. (Pacific Coast) 26
 Utö 6
 Uwajima 28, 52

 Vassa/Vasa, (formerly Vaskiluoto) 5
 Valparaiso 38
 Vancouver 36, 54, 57
 Varberg 3
 Vardø 1, 45
 Västervik 45
 Venezia (Arsenale) 16
 Venezia (Diga Sud Di Lido) 16
 Venezia (S. Stefano) 16
 VENEZUELA 40
 Ventpils (Windau) 7
 Veracruz 41
 Veräva 21
 Victoria 36, 54, 57
 Vigo 14
 Viipuri (Viborg) 6
 Villa Sanjurjo 15
 Villefranche 48, 55
 Vilsandi (Filsand) 7
 Vis 17
 Visākhapatnam 22, 56
 Visby 45
 Vizagapatam 51
 Vlissingen 11
 Volos 17

 Wadhams 54
 Wakayama 27
 Wake Island 34
 Walvis Bay 20
 Warnemünde 9, 45
 Wazima 29, 53
 Weipa 30
 Wellington 33, 54
 West Hartlepool 46
 Westport 53
 Whyalla 33
 Willets Point (Fort Totten) 43
 Williamstown 31, 57
 Wilmington 43
 Wismar 9, 46
 Woman's Bay, Kodiak 36

 Yamba 31
 Yang-Tsi-Kiang 25
 Ykspihlaja (Yspilä) 5
 Yokohama 52
 Yokosuka 27
 Ystad 3
 YUGOSLAVIA 16, 56
 Yuzhno Kurilsk 26

 Zamboanga, Mindanao 30
 Zapara Island 40
 Zaparita 40
 Zeebrugge 11
 Ziedikzee 11

IUGG MONOGRAPHS

- Monograph N° 1 - **Seismicity of Europe**, by M. Bath (\$ 0,30, 2/6, NF 1,50)
- Monograph N° 2 - **The International Union of Geodesy and Geophysics : its scientific role, its international character, its organization** (out of print)
- Monograph N° 3 - **Symposium on Atmospheric Ozone**, Oxford, 20-25 July 1959 (\$ 0,40, 3/-, NF 2,00)
- Monograph N° 4 - **Symposium on Radiation**, Oxford, 20-25 July 1959 (\$ 0,40, 3/-, NF 2,00)
- Monograph N° 5 - **Antarctic Symposium**, Buenos Aires, November 1959 (\$ 1,00, 7/6, NF 5,00)
- Monograph N° 6 - **Commission Séismologique Européenne, Réunion d'Alicante, 27-31 Octobre 1959** (\$ 0,40, 3/-, NF 2,00)
- Monograph N° 7 - **The July 1959 Events and Associated Phenomena** (\$ 2,50, 18/-, NF 12,50)
- Monograph N° 8 - **Zonal Harmonic Analysis of the Northern Hemisphere Geostrophic Wind Field**, by J. Van Mieghem (\$ 1,00, 7/6, NF 5,00)
- Monograph N° 9 - **Seismicity of Europe, Part II**, by V. Karnik (\$ 0,40, 3/-, NF 2,00)
- Monograph N° 10 - **Symposium on the Radiant Energy in the Sea**, Edited by N. Jerlov, (\$ 2,50, 18/-, NF 12,50)
- Monograph N° 11a - **Instruction Manual on World Magnetic Survey**, by E. H. Vestine, 27 pp., 6 ill. (\$ 0,30, 2/6, NF 1,50)
- Monograph N° 11b - **Manuel d'Opérations pour le Levé Magnétique Mondial**, par E.H. Vestine, 28 pp., 6 ill. (\$ 0,30, 2/6, NF 1,50)
- Monograph N° 12 - **Symposium on Geophysical Aspects of Cosmic Rays**, Helsinki, July 1960, (\$ 3,00, 21/-, NF 15,00)
- Monograph N° 13 - **Catalogue of Published Mean Sea Level Data (1807-1958)**
I A P O Publication Scientifique N° 23
-

IN PREPARATION

- Monograph N° 14 - **Report of the International Seismological Summary Meeting Paris, July 1961**, (about 40 pp.).

- Stations contributing data to Publication Scientifique N° 20.
- Stations contributing data to Publication Scientifique N° 19 but not to N° 20.



