**DAILY SYNOPTIC SURFACE REPORTS**

The daily synoptic reports shown in this publication are accumulated from special forms prepared by the various countries in the Northern Hemisphere, from published data prepared by those countries, and from teletype reports from all collections available to all of the services cooperating in the publication of the publication. Wherever possible, data are taken from the first two named sources, and teletype data are used to complete the presentation. Data for stations in the United States are tabulated from punched cards prepared on the stations for this purpose and mailed to the TABulating Unit at New Orleans. Only the 1200 GCT observations are shown herein. In preparation of this bulletin, it has been the aim to present as complete a coverage for the Northern Hemisphere as is possible. With this consideration in mind, it was deemed advisable to delete data from certain stations where the coverage was already considered adequate, and to show all reports for areas where data are sparse, even though those data might not be available for all days. The data are subject to observational and transmission errors which have been corrected insofar as possible and time considerations permit.

**Station Names and Index Numbers:**

All stations for which data are presented are identified by both the station name and the station index number. The numbers assigned in accordance with IMO agreements effective January 1, 1949, are used in all cases.

**Method of Presentation:**

In preparing the data for publication, the entire collection of reports (mailed, published, and teletype) have been placed on punched cards, then sorted by block numbers, and numerically by station number within blocks. The data are presented in that manner. It is further divided into 2 groups as follows:

1. Data for all days for land stations.
2. Data for all days for ship reports.

**Description of Codes:**

Two different codes are at present being used in reporting surface synoptic data. We shall call these Type I and II for purposes of identification. Type I is the synoptic code adopted by the IMO for use effective January 1, 1949. Type II is used by ships reporting weather. The form of codes used is not shown here since it is apparent from the headings.

The meaning of the heading symbols are as follows:

**Type I -**

1. **iii** Station number (the block number is at the head of each group of station numbers.)
2. **N** Total amount of clouds. IMO Code 1-149.
3. **dd** Wind direction from which wind is blowing, to 36 points.
4. **WW** Present weather. IMO Code 1-149.
5. **wW** Past weather. IMO Code 1-149.

**Type II - Ship reports:**

1. **W** Day of week.
2. **Q** Quadrant of globe. (See table II)
3. **L** Latitude in degrees and tenths.

**Explanation for 3, 4, 5 and 6 are the same as**

1. **N** Amount of clouds which height is reported for "h". IMO Code 1-149.
2. **C** Clouds of genera Sc, St, Cu, Cs. IMO Code 1-149.
3. **G** Clouds of genera As, Ac, As. IMO Code 1-149.
4. **Ci** Clouds of genera Ci, Cs, Cc. IMO Code 1-149.
5. **6** Indicator figure.
6. **D** Direction from which clouds are moving, 8 points. IMO Code 1-149.
7. **pp** Pressure tendency, 3 hours. IMO Code 1-149.
8. **T** Indicator figure.
9. **RR** Amount of rainfall, last 6 hours - 100ths of inch precipitation.
10. **R** Time rain began or ended. IMO Code 1-149.
11. **R** Time of day point - whole degree F.
12. **G** Group designator.
13. **d** Direction from which waves are coming (see table IV).
14. **f** Period (in seconds) of waves (see table XX).
15. **h** Mean maximum height of waves (see table XXI).

All references are to "International Code For Radio Weather Reports From Ships". Russian synoptic surface reports -

**Code Form:** IIII Ndifflmm WWww W PPPPTT NnCiLbcMcHH TTTTQTTTTQTRRQQ

Above code form varies only slightly from regular IMO code.

1. Effective January 1, 1950, the U.S.S.R. Zones and Sections are indicated by a single number, 1 thru 9, but for expediency in processing and listing these reports are shown under block numbers 21 thru 29.
2. The deepwater (TTTT) is transposed during final listing so that it appears under the symbol heading printed at the top of pages.
3. Please read under (II) in printed code headings, for all stations using Russian code form, wind speed in meters per second. No conversion has been attempted at this time.
4. Since the last two places of the T-group do not conform to most of the other stations, only TR are shown in order not to confuse information under printed code symbols.
5. Stations in POLAND, HUNGARY, RUMANIA, BULGARIA, the U.S.S.R. Zone of Germany, and U.S.S.R. section of Korea are necessarily included in the group using the Russian Code Form. Where only a part of the block uses the Russian code, the stations are indicated by the sign (d). Station coordinates are shown for these stations where name is not known.