

UNITED STATES DEPARTMENT OF COMMERCE
WEATHER BUREAU
Washington 25, D. C.

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July 25, 1949

File: 080

MEMORANDUM

TO: Section Centers, WRPC'S, and River Centers
(With Copies to Regional Offices for Information)

FROM: Chief, C&HS Division

SUBJECT: Climatological Service Memorandum No. 5.

1. CLIMATOLOGICAL DATA MAPS: During the following six months a blank state outline map and a WRPC listing of the Climatological Data station index list, arranged in one degree squares, will be sent to Section Centers along with instructions to plot station locations and names on the map base. Stations will appear on the final draft of state maps exactly where the Section Centers locate them on the original plotting. In the meantime, station coordinates and counties in the Climatological Data station index lists should be carefully reviewed for errors.

Preparation of the drafted maps will be slow due to the limited number of people that can be assigned to make the copy for reproduction in Climatological Data or for separates.

2. PUBLICATION OF DAILY SNOWFALL DATA: Further consideration of the question of publishing daily snowfall (see Item 14 of CSM No. 3) has resulted in the decision to publish in Climatological Data daily snowfall and daily snow depth at a selected number of stations in sections where snow is important.

Stations would be selected from those published in Table 2, and would include Weather Bureau, CAA and a few cooperative stations where snowfall observations were believed to be reliable.

Instructions and formats for this table (to be known as Table 7) will be prepared and issued before the next snow season.

3. INTERPOLATION OF DATA FOR CLIMATOLOGICAL RECORDS: The basic policy of the Central Office in regard to interpolation is outlined in Item 4 of Central Office Multiple Address Letter of December 8, 1947, and is as follows:

"That interpolation will not be followed in the processing of climatological records."

However, on occasion it is necessary to relax this policy somewhat. For example, monthly evaporation is sometimes interpolated, as is water equivalent from snowfall when precipitation measurements are not made.

There are also a number of occasions where, by adhering

strictly to the letter of the policy, certain data would be eliminated in monthly and annual publications, whereas by the exercise of professional judgment and common sense the data could be recognized and used. For example, we cite the following:

(a) Even though a small portion of the record is missing, the professional assistant at the WRPC's could make such decisions as highest and lowest temperatures and dates, number of days maximum temperature 90° or more, etc. for the month or season provided such decisions could be made with reasonable certainty; e.g., it would not be reasonable to omit data from "Number of Days Minimum Temperature 32° or Below" because of missing minimum temperature occurring during summer months in regions where freezing temperatures do not occur or are known not to have occurred.

(b) On rare occasions, it may be desirable to publish a monthly total, even though several days' records are missing. We believe that the best way to do this would be to publish the sum of the observed daily values, with an explanatory note as "3 days' record missing". The same note should then be carried also in the annual.

4. **PRESS BOARD BINDERS:** Section and River Centers desiring to bind monthly Forms 1005, 1006, and 1009, the weekly Form 1009, and the machine Form 1009, are requested to report the number of Accopress binders needed for this purpose. Information is also desired as to whether covers should be the exact size of the forms or have a margin beyond the edge of the forms.

With your estimates for binders, include amount required for observers to bind their machine copy of Form 1009. It is assumed that they will continue to keep their manuscript copies in the pad covers as in the past.

The special purchase of binders is contingent upon the appropriation available in the Fiscal Year 1950 for this purpose.

5. **PRESSURE, WIND, HUMIDITY TABLE:** Our original plan was to discontinue the small Pressure, Humidity, Wind and Sunshine Table in Climatological Data when special summaries were printed. However, we have recently had some indication that there may be sufficient demand for this table to justify its retention in the Climatological Data. Section Center and WRPC comment on this question is desired.
6. **DEGREE-DAY DATA FOR TEMPERATURE SUBSTATIONS:** Recent studies of the uses to which weather data are put by subscribers to Bureau publications indicates that degree-day statistics are used extensively by subscribers, wherever such data are available.

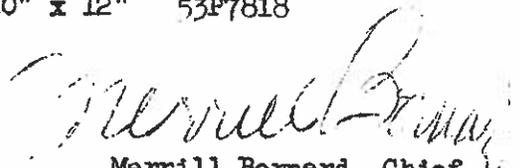
In the past, also, there have been a number of requests for degree-day data for cooperative stations.

The Central Office is therefore exploring the desirability of computing and publishing monthly degree-days in Table 2, Climatological Data, for temperature substations. Your comments on this proposal would be appreciated.

7. SUGGESTIONS FOR CLIMATOLOGICAL SERVICE MEMORANDUM: Field employees are encouraged to submit items for publication in Climatological Service Memorandum. These items should deal with topics of general interest to our climatological program.
8. DEPOSITORIES FOR DUPLICATE FORMS 1130: Reference Memorandum, 0-2.13, on missing Form 1130 records, dated February 8, 1949. At the time of closing out the WPA projects in 1942, all Forms 1130 records were returned to the respective Section Centers including in some cases the carbon copies that had been loaned from some first-order station files. Section Centers should return duplicate or carbon copies of Form 1130 records to the first-order stations to complete, if possible, a chronological file of records identical to that held at the Section Center. This should be done for new Weather Bureau stations that are continuing second-order or CAA station observational work.
9. IMPRINT ON WEEKLY WEATHER AND CROP BULLETIN: All stations issuing a Daily or Weekly Crop Bulletin should enter an imprint on the bulletin showing place prepared, date and number of copies, as: "Topeka, Kans. 7-19-49 --350--" in manner similar to that used by WRPC's for Climatological Data and printed Forms 1001C.
10. DISCONTINUANCE OF W.B. FORM 1095: A great majority of the comments received on Item 9 of Climatological Service Memorandum No. 2 indicated that W.B. Form 1095, Request for Late Reports, is not used. This form, therefore, is declared obsolete.
11. BINDING OF CLIMATOLOGICAL DATA: A number of Section Directors and field offices have inquired about further plans for binding Climatological Data for office Library use. Results of a current study of this binding problem will be carried in a forthcoming Climatological Service Memorandum.
12. CARBON PAPER, PENCIL, FOR FORMS 1006 AND 1009: Several offices have requested information as to availability of carbon paper stocks for use with the new Form 1006. This office feels that the regularly stocked pencil carbons, size 10" x 12", available on stores requisition from Central Office, can be used satisfactorily with these new forms. However, if the Section and River Centers are experiencing difficulty with this paper, we would appreciate information to this effect.

The stock catalogue identification of these items is:

Carbon paper, pencil, black, 10" x 12" 53P7759-150
Carbon paper, pencil, red, 10" x 12" 53P7818


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