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

April 20, 1954

MEMORANDUM

TO: State Climatologists,
    Section Centers, Hydroclimatic Inspectors, Field Aides,
    WRPCs, River District Offices, and Area Engineers.
    (With copies to Regional Offices for Information.)

FROM: Climatological Services Division

SUBJECT: Climatological Service Memorandum No. 43.

INSTRUCTIONS

1. MAILING OF WEIGHING RAIN GAGE CHARTS TO NWRC: This is to
remind all Section Centers that weighing gage records should
be sent to the NWRC at least once a month, preferably by the
15th of the following month.

2. LUBRICATION OF MICROMETER HOOK GAGE: The presence of oil on
the water in the stilling well of the evaporation pan has been
noted in a few cases after the micrometer hook gage has been
cleaned and lubricated as outlined in Paragraph 4113.1 of
Circular B. It is desired that observers and inspectors be
cautioned against the excessive use of oil on the hook gage.
When the gage is lubricated, any excess oil should be
carefully removed with a clean cloth from the threads and
other parts of the gage.

3. AREA HYDROLOGIC ENGINEERS' PART IN COORDINATING ACTIONS
    WITH OTHER GOVERNMENTAL AGENCIES: Reference to the Area
Hydrologic Engineers' part in coordinating actions with
other governmental agencies was inadvertently omitted when
Multiple Address Letter No. 78-53 was incorporated into the
Weather Bureau Manual as Section III-C-0230.

    Liaison between the Weather Bureau and the Corps of
Engineers, Bureau of Reclamation, Soil Conservation Service,
etc., is carried on by the appropriate Area Hydrologic
Engineer either personally or with his knowledge. The work
of the Area Hydrologic Engineers in this respect is outlined

    Please make a note of this information at the end of

APR 21 1954
4. **Shipping of IBM Cards from WRFCs to NWRC:** WBAN 1, 2, and 3 cards will henceforth be shipped to NWRC monthly, as soon as possible after processing for the month has been completed.

Card History Listings will be prepared annually and forwarded to NWRC with the January shipment of WBAN cards. In the event of a change in procedures, amendments to the Card Reference Manual concerned will accompany the first shipment of cards containing any change in punching or coding practices.

WB 1009 cards will continue to be shipped to NWRC as in the past.

5. **Climatological Record Books:** It has come to our attention that some climatological Record books for closed first-order stations may be on file at Section Centers. Any Section Center having such volumes should forward them to the NWRC at Asheville, N.C.

**General**

6. **Routing of Records from Coast Guard and Lightship Stations** (Including Forms 1034A Great Lakes Weather Observations at Coast Guard and other Lake Stations). In order to provide more nearly current and ready access to all of these records, it is desirable that they be filed at NWRC with as little delay as possible. Therefore, we propose a change in the routing of such records to make it possible for the checking station to send the originals direct to the NWRC as soon as checking has been completed. In the event records from some of these stations are frequently required at any Section Center, it might be possible to provide a carbon copy for that purpose or to obtain the specific data from the checking station or NWRC. Your comments on this matter will be appreciated.

7. **Change in Flood Stage:** Hydrologic Services Division advises us that the flood stage at Three Rivers, Texas, has been lowered from 37 to 35 feet, effective April 1, 1954.

8. **New National Record Low Temperature:** A temperature of \(-68.7^\circ\text{F}\) at Rogers Pass, Mont., on January 20 1954 established a new low temperature record for the United States. This recording was verified by a check in the Instrument Division of the thermometer used. The previous record \(-66^\circ\text{F}\), was observed at Riverside Ranger Station in Yellowstone National Park, February 9 1933.
9. **INDEX FOR CSM ITEMS**: An index covering CSM's 34 through 42 is being distributed with this CSM. Earlier indexes have covered issues through No. 33.

**FOR WRPCs**

10. **FORWARDING LOCAL CLIMATOLOGICAL DATA TO THE CENTRAL OFFICE**
    (REFERENCE: CSM No. 36, Item 5 (a)): Please change the number of copies of Local Climatological Data for the Climatic Information Section of Climatological Services Division from 5 (10 for 13 selected stations) to 6 (with 12 for the selected stations).

11. **AMENDMENT TO INSTRUCTIONS**: Paragraph 1009.4315 of instructions for "Processing of Forms 1009 and Related Forms, including Weighing Rain-Gage Charts" June 1, 1951 should read:

    "Where small inconsistencies (1° to 3°) appear they should be corrected only if reasonable supporting evidence is available to indicate which entry is right. Changes of this magnitude should not be made for entry-consistency's sake alone."

R. E. Spencer,
Acting Chief, Climatological Services Division
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NO. 34 THROUGH NO. 42

(Note: CSM number and items are shown as 38-4 for CSM No. 38, Item 4.)

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