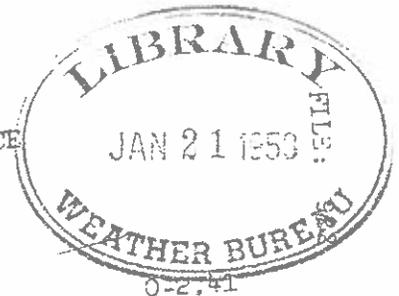


UNITED STATES DEPARTMENT OF COMMERCE
U.S. WEATHER BUREAU
Washington, D. C.



February 17, 1956

MEMORANDUM

TO: Area and State Climatologists, Substation Inspectors, Field Aides, WRPC's, River District Offices, and Area Engineers. (With copies to Regional Offices for information)

FROM: Climatological Services Division

SUBJECT: Climatological Service Memorandum No. 52

GENERAL

1. USE OF THE WORD NORMAL (REFERENCE ITEM 1, CSM No. 46)

It has been noted on several occasions that Weather Bureau officials have used the word "NORMAL" in a manner inconsistent with the current definition. NORMAL is defined as a "mean based on the 30-year period, 1921 - 1950, if necessary adjusted to the most recent location, and revised every decade by dropping the first 10 years of data, and using instead the 10 most recent years (according to WMO regulations)". Any other averages, regardless of length of record, should be designated by another name. We would like all people who use Climatological Data, or have occasion to read weather summaries, to know exactly what is meant when the word NORMAL is used.

2. DEMAND FOR GENERAL CLIMATIC STUDIES

Senate Resolution No. 82 requested that a report be made to the Senate Agriculture Committee by the Secretary of Commerce and the Secretary of Agriculture as to steps taken to improve and expand horticultural and agricultural weather forecasting services.

In order to obtain a satisfactory basis of reply the Secretary of Agriculture requested each Land Grant College to provide a statement of the weather forecasting needs for agriculture. Copies of the replies have been reviewed and the numerous references to climatological needs prompted us to prepare a general summary.

There was a great demand for general climatic studies needed for a better understanding of the climatic picture as related to agriculture. Weather (Climate) vs. Crop Yields was also given as an item of high priority. Frequently mentioned were studies of Weather (Climate) and Plant Disease and Control, Microclimatic studies, Drought Probabilities, Soil Moisture and Temperature Measurements, and an expanded punched-card program.

Several states specifically mentioned the need for an Educational Program and others the need of an Agro-climatologist to assist in a

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program of evaluation of climatological needs and advice in solution of problems. These last two items indicate to us the very worthwhile service which can be rendered by the state climatologist in letting people know what data are available, where and how the data will benefit in particular instances.

3. COOPERATION WITH THE AMERICAN ACADEMY OF ALLERGY

Dr. Gerald Barger, Central Area Climatologist, has laid the groundwork for cooperation with the American Academy of Allergy of the American Medical Association in connection with distribution and occurrence of diseases associated with weather and climate. Each state climatologist should, as occasion permits, contact the listed clinician for his state, discuss the plan of the "weather project" and offer whatever assistance possible.

List follows

<u>State</u>	<u>Clinician</u>
Arizona	S. B. Steen, M.D. 116 North Tucson Boulevard Tucson
Arkansas	Alan G. Cazort, M.D. Cazort-Johnston Allergy Clinic 1425 West Seventh Street Little Rock
California	M. Coleman Harris, M.D. 450 Sutter Street, Suite 1909 San Francisco 8
Colorado	Harold S. Tuft, M.D. Medical Director Jewish National Home for Asthmatic Children 3447 West 19th Street Denver 4
District of Columbia	Eloise W. Kailin, M.D. 1925 Eye Street, N.W. Washington 6
Florida	Morton L. Hammond, M.D. 350 N.W. 15th Street Venetian Causeway Miami
Georgia	John L. Jacobs, M.D. 490 Peachtree Street, N.E. Atlanta 3

Clinician

Indiana

Alan R. Feinberg, M.D.
155 North Wabash Street
Chicago 1

Bennett Kraft, M.D.
760 Bankers Trust Building
Indianapolis 4

Iowa

Joel D. Teigland, M.D.
505 Bankers Trust Building
Des Moines 9

Kansas

John K. Fulton, M.D.
The Wichita Clinic
3244 East Douglas
Wichita 3

Kentucky

Arvand E. Cohen, M.D.
Suite 517, Brown Building
Louisville 2

Louisiana

Stanley Cohen, M.D.
1041 Bejaumont Street
New Orleans 15

Maryland

Frank F. Furstenberg, M.D.
818 Park Avenue
Baltimore 1

Massachusetts

Maurice S. Segal, M.D.
Director, Boston City Hospital
Department of Inhalation Therapy
and Lung Station (Tufts)
Boston

Michigan

John M. Sheldon, M.D.
1313 Ann Street
Ann Arbor

Minnesota

William Sawyer Eisenstadt, M.D.
406 Medical Arts Building
Minneapolis 2

Missouri

Joseph W. Noah, M.D.
607 North Grand Avenue
St. Louis 3

Nebraska

M. H. Brodkey, M.D.
320 Medical Arts Building
Omaha 2

New Jersey

Edward E. Seidmon, M.D.
221 West Seventh Street
Plainfield

<u>State</u>	<u>Clinician</u>
New York	Victor L. Cohen, M.D. 341 Linwood Avenue Buffalo 9
	Murray Iworetzky, M.D. 50 East 73th Street New York 21
North Carolina	David McK. Fipes, M.D. 51 Page Avenue Asheville
Ohio	John H. Mitchell, M.D. 1776 Ferry Street Columbus 1
Oklahoma	Johnny A. Blue, M.D. 500 Hales Building Oklahoma City
Oregon	Frank Perlman, M.D. 406 Medical-Dental Building Portland 5
Pennsylvania	Macy I. Levine, M.D. 3401 Fifth Avenue Pittsburgh 13
Utah	Dean A. Moffat, M.D. 349 East First South Salt Lake City 2
Vermont	H. M. Farmer, M.D. 323 Pearl Street Burlington
Virginia	J. Warrick Thomas, M.D. The Thomas Clinic 2031 Monument Avenue Richmond 20
Washington	J. E. Stroh, M.D. Stroh Allergy Clinic 1140-44 Medical-Dental Building 509 Olive Way Seattle 1
Wisconsin	Seymour B. Crepea, M.D. The University of Wisconsin School of Medicine Department of Allergy Madison

REPORT OF WEATHER SUBCOMMITTEE

The following report of the Subcommittee on Weather is taken from the 1955-1956 report of the Research Council of the American Academy of Allergy.

"The activities of the subcommittee on Weather have met with an immediate and sustained response of membership. The project is an attempt to study the effect of climatic changes on the course of allergic diseases, particularly bronchial asthma. In cooperation with the U. S. Weather Bureau, individual observation posts - to date: 31 - have been established throughout the U.S. at locations where federal climatologists are available for consultation and guidance. The subcommittee acknowledges gratefully the cooperation of Dr. H. E. Landsberg, Chief of the Climatological Services Division of the Weather Bureau, U. S. Department of Commerce, Washington, D. C., and particularly of Dr. Gerald L. Barger, Central Area Climatologist, Agronomy Building, Iowa State College, Ames, Iowa, who has assisted us in the design and in the organization of the study. Contact between the climatologists and allergists who have expressed their willingness to cooperate in the project will be established within the next few days. The most urgent problem of the subcommittee is the design of a form for a day-by-day (or perhaps one should say hour-by-hour) recording of the clinical variations in bronchial asthma. The form should be sufficiently accurate to permit transfer on IBM cards (similar to or identical with those used by the Weather Bureau for the recording of climatological data) and statistical analysis. The subcommittee anticipates that the final plan for the experimental procedure will be available for presentation at the annual meeting of the Research Council at St. Louis, Missouri."

5. SUBSTATION HISTORY FORMS REQUIRED FOR SUBSTATION SUMMARIES

State Climatologists frequently need these histories for preparing the station history for a planned substation summary. These can be requested from the WRPC who will furnish copies obtained from their trans-copy equipment. They should only be requested, however, as the need for them exists - such as for the above-mentioned summaries or some other pertinent reason.

Plans are now under way for the publication of all station histories, which will make them generally available.

6. "CLIMATE AND MAN"

We would like to learn if any State Climatologist's office does not have a copy of the 1941 Department of Agriculture Yearbook, "Climate and Man".

7. WRITING OF WEATHER STORIES

Re: MAL of Oct. 13, 1955

A few months ago we asked State Climatologists who wanted to write the Climatological Data weather stories to advise us. The latest count shows 10 sections where the State Climatologists will write these stories, leaving the remainder to be written at the WRPC's.

In order to insure that all stories are of high quality we would like to have each State Climatologist (for states where stories are written at WRPC) review the past several months' stories for his state and give the WRPC the benefit of any suggestions he may have for improvements.

Likewise, for those states and sections where the stories are written by the State Climatologist the appropriate WRPC should give him their suggestions.

Copies of such correspondence should be forwarded to the Climatological Services Division.

SOIL TEMPERATURE RECORDS - URGENCY Item 5, OSM 49

To date we have not heard from any about one-half of the replies to Item 5, OSM 49. Several State Climatologists have indicated that soil temperature records have been or are now being taken within their states. We would like to remind those State Climatologists who have not replied to OSM 49 to do so at an early date.

REVIEW OF NARRATIVE SUMMARIES FOR LCD ANNUALS

As time permits State Climatologists are asked to review the narrative climatological summaries for first-order stations in the state(s) and, with the help of MIC's, improve the quality of the stories wherever necessary.

PUBLICATION OF DATA FROM PART-TIME STATIONS

Daily data from part-time stations (those operated only for a part of each year) will generally not be published in Climatological Data.

Hourly precipitation data also, from such stations, will ordinarily not be included in "Hourly Precipitation Data" unless there is a specific requirement for such publication.

Instructions to this effect will be included in the forthcoming revised Weather Bureau Manual.

COORDINATION WITH FEDERAL CIVIL DEFENSE ADMINISTRATION

Weather Bureau meteorologists have been assigned to the National Headquarters and Regional Offices of the Federal Civil Defense Administration. Although the meteorological liaison with FCDA is just being established it may be well for the nearby Area and State Climatologists to become acquainted with the nearest FCDA liaison meteorologist as a possible added source for storm data and reports, particularly with regard to deaths and damages. Following is a list of names, addresses and regions of the assigned meteorologists:

C. K. Shafer, National Headquarters, Battle Creek, Mich.
 P. J. Diver, R.O. 1, Newton Center, Mass. - Me., N.H., Vt., Mass.,
 Conn., R.I., N.J., N.Y.

P. H. Perdicé, R.O. 2, Olney, Md. - Ohio, Pa., W.Va., Ky., Va.,
Del., Md.
R. L. Anderson, R.O. 3, Thomasville, Ga. - Tenn., N.C., S.C.,
Miss., Ala., Ga., Fla.
H. W. Chidley, R.O. 4, Battle Creek, Mich. - Mich., Ill., Ind., N.D.,
Minn., S.D., Iowa, Wis.
T. L. Gibson, R.O. 5, Denton, Tex. - N.Mex., Okla., Ark., Tex., La.
H. B. Laird, R.O. 6, Denver, Colo. - Wyo., Nebr., Colo., Kans., Mo.
J. V. McBride, R.O. 7, Santa Rosa, Calif. - Wash., Oreg., Mont.,
Idaho, Nev., Utah, Calif.,
Ariz.

12. ACTIVITIES OF STATE CLIMATOLOGISTS

Mr. Horace Carter, State Climatologist for Georgia, has worked out a cooperative arrangement with the Agricultural Marketing Service and the Extension Service for joint issuance of the Georgia Weekly Weather and Crop Bulletin. Mr. Carter has also recently visited all first-order stations in his state.

Mr. Robert Jale, California State Climatologist, and Mr. [unclear], Supervising Climatologist of the San Francisco WRF, have worked with the Corps of Engineers, and others, in making available preliminary information on the December California storms.

Mr. David Smetley, Climatologist for Puerto Rico and the West Indies, made a trip to the three U. S. Virgin Islands, St. Thomas, St. John, and St. Croix. As a result of his trip a number of inactive substations will resume taking observations and some new stations will be established.

Dr. David Blumenstock, Trust Territorial Climatologist, and Mr. Steffen have about completed plans for the issuance of a new Climatological Data bulletin for the Pacific area. The first issue will contain data for January 1956. Dr. Blumenstock has also made arrangements for the Navy to provide him with logistic support to study the effects of typhoons occurring in the Pacific. He plans to visit places in the Trust Territory, Guam, Wake, Midway, and possibly other places, to study its effects whenever a typhoon occurs.

13. EARLY RECEIPT OF LCD ANNUALS

We are pleased with the early receipt of LCD Annuals for 1955. As of February 16, 1956, these have been received here for 121 stations. Many more are in the process of being printed and we hope to have all LCD Annuals available soon.

H. E. Landsberg

H. E. Landsberg, Chief
Climatological Services Division

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