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AWSP 0-18/2

AIR WEATHER SERVICE PAMPHLET

26400

**BIBLIOGRAPHY OF DOCUMENTS PREPARED BY
WEATHER STAFF SECTIONS OF HEADQUARTERS
ARMY AIR CORPS AND HEADQUARTERS ARMY
AIR FORCES, 1937 - JUNE 1945**

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UNITED STATES AIR FORCE

FOR ERRATA

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THE FOLLOWING PAGES ARE CHANGES

- TO BASIC DOCUMENT

CHANGE

AWSP 0-18/2A

AWS PAMPHLET
NO. 0-18/2A

Headquarters
AIR WEATHER SERVICE (MATS)
Scott Air Force Base, Illinois
19 February 1962

BIBLIOGRAPHY OF DOCUMENTS PREPARED BY
WEATHER STAFF SECTIONS OF HEADQUARTERS
ARMY AIR CORPS AND HEADQUARTERS ARMY
AIR FORCES, 1937-JUNE 1945

AWSP 0-18/2A, April 1961, is changed as follows:

1. Make the following changes by pen and ink:

<u>Page</u>	<u>Item No.</u>	
8	Insert: 4a.	"Memorandum on Royal Air Force Weather Reconnaissance Manual," August 1944, 72 pp. (Mineogr) *
51	Add to: G-19 R.	Shanghai, China: (AD-39260)
	G-32.	Singapore, Straits Settlements: (AD-39300)
	G-34.	Hangchow, China: (AD-39252)
	G-40.	Akyab, Burma: (AD-39206)
	G-41.	Mandalay, Burma: (AD-39207)
	G-42.	Rangoon, Burma: (AD-39208)
52	G-76.	Saigon, French Indo-China: (AD-39298)
	G-80.	Nanking, China: (AD-39257)
	G-84.	Hankow, China: (AD-39253)
	G-85.	Tientsin, China: (AD-39291)
	G-86.	Tsingtao, China: (AD-39292)
	G-89.	Hanoi, French Indo-China: (AD-39296)
53	G-102.	Peiping, China: (AD-39259)
	G-106.	Canton, China: (AD-39210)
	G-137.	Kiungchow, China: (AD-39255)
	G-140.	Kiukiang, China: (AD-39254)
	G-143.	Yuagkia (Wenchow), China: (AD-39294)
	G-144.	Minhow (Foochow), China: (AD-39256)
54	G-151.	Hue, French Indo-China: (AD-39297)
	G-152.	Pakhoi, China: (AD-39258)
	G-153.	Wuchow, China: (AD-39293)
	G-158.	Gensan, Korea: (AD-39299)
	G-176.	Yunnanfu, China: (AD-39295)
	G-177.	Changsha, China: (AD-39251)

2. After posting the changes, file this change in front of the pamphlet.

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AIR WEATHER SERVICE (MATS)
UNITED STATES AIR FORCE
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BIBLIOGRAPHY OF DOCUMENTS PREPARED BY WEATHER STAFF SECTIONS OF
 HEADQUARTERS ARMY AIR CORPS AND HEADQUARTERS ARMY AIR FORCES
 1937-June 1945

PURPOSE: This Pamphlet is issued to inform AWS and other U.S. military activities of the technical documents on meteorology prepared or issued during 1937-45 by the headquarters of the Army Air Corps and Army Air Forces and now available in the files of Headquarters Air Weather Service.

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EXPLANATION

The organization for weather in headquarters of the Army Air Forces during World War II was unlike the usual staff section in that it included large units performing research, compiling climatic information and intelligence, preparing translations, and making operational forecasts. As a result several thousand technical documents on weather and climate were prepared there in this period. Many of these documents were published and given considerable dissemination but no complete list even of these was ever published. References to them still appear in the literature and there are frequent inquiries about them. Many more documents were not reproduced nor generally disseminated but are available in the files of Air Weather Service. The files are regrettably no longer complete. Of the material on hand or known to exist, a selection is catalogued here. The selection was made to eliminate very trivial items and climatological reports lacking in any original contribution or special historic value.

It is indicated in the lists where certain reports issued during 1942-45 were redesignated later (1946-51) as Air Weather Service Technical Reports or Special Studies. Only the copies of these items that were thereafter issued from Air Weather Service stocks or from the Armed Services Technical Information Agency are marked with the redesignated numbers. Some of these redesignations have now been rescinded.

Lists of Army Air Forces Manuals and War Department TM's, FM's and TB's on meteorology and meteorologically-used equipment are given in an Appendix because these were documents published by the headquarters even though they were mostly prepared by field activities.

No stock of any of these items is available, except for a few of those redesignated as AWS Technical Reports. Items for which an ATI or AD number is cited can be obtained by military activities and their contractors from the Armed Services Technical Information Agency, Arlington Hall Station, Arlington 12, Virginia. Non-military activities can purchase photostat or microfilm copies of the ASTIA items through the Office of Technical Services, Department of Commerce, Washington D.C. The OTS can sell similar copies of many of the other AAF Weather Division Reports which were printed and generally distributed. Many of the reproduced items are on file in the library of the U.S. Weather Bureau, Washington, D.C., as well as in libraries of various university meteorology departments and foreign weather services.

Items on file in Headquarters Air Weather Service are followed by an asterisk.

WAR DEPARTMENT 1937-45

HEADQUARTERS, US AIR CORPS (1937-40)Air Corps Technical Bulletins:

- No. 38-2. "Aerological Diagram " (Aerologisches Diagrammpapier) by Anfinn Refsdal, Geofysike Publikasjoner, Vol. 11, No. 13, 1937. Translated by Floyd B. Wood, 1938, 71 pp. (Mimeogr) (ATI-113156) *
- No. 38-3. "Guide to the Literature on the Subject of Ice Formation on Aircraft," (An annotated bibliography), n.d., 12 pp. (Mimeogr) *

Circular Letters:

- No. 38-23. "Thunderstorms," 29 October 1938, 2 pp. (Typescr) *
- No. 39-37. "Flight in Thunderstorms," 18 July 1939, 12 pp. (Typescr) plus photographs. *

HEADQUARTERS, US ARMY AIR FORCES (1941-45)Directorate of Weather (1941-Mar 1943)Item No.

1. "Climatic Regions With Basic Military Climatic Data," prepared for the Directorate of Weather, with the cooperation of the Quartermaster Corps, by Dr. Samuel Van Valkenburg, 1942. (Lithopr) *

Weather Central Division

2. "Manual of Instructions, Report Simple Weather Observations Without Special Instruments," by US Joint Weather Central, April 1942, 8 pp. (Mimeogr) *
3. "Thunderstorms," 1942, 15 pp. (Lithopr) *
4. "Condensation Trails," prepared by Weather Central Division, 1943, 27 pp. (Lithopr) * (Redesignated WD Report #52)

Directorate of Weather (Cont'd)

Item No.

Army Weather Central

5. "Weather and the Intelligence Officer," by Colonel Moorman, for Intelligence School, Harrisburg, Pa., July 1942, 44 pp. (Typescr) plus tables. *
6. "Flight Planning Problems for Civil and Military Aircraft," 1 August 1942, 30 pp. (Lithopr) *

Climatological Division:

Statistics Section

7. "Verification of the Krick Weather Monthly Forecast for November 1941," 2 February 1943 (Ditto) *

Publications of the Weather Research Center, Directorate of Weather

- Vol. I, No. 1, "Preliminary Report on the Climate of West Africa Including the Area West of 10° East Longitude," May 1942, 6 pp. (Letterpress) *
- Vol. I, No. 2, "Terminal Weather on the San Francisco-New York Airway," by H. T. Harrison, (Reprint of revision of the original report by United Air Lines, 1939, under the title "Terminal Weather on the Chicago-New York Airway," prepared by H. T. Harrison, UAL, 1 May 1941) May 1942, 96 pp. (Letterpress) *
- Vol. I, No. 3, "Preliminary Report on the Climate of Central America and Northern South America, March to August," May 1942, 74 pp. (Letterpress) *
- Vol. I, No. 4, "General Synopsis of Dominant Meteorological Situations From the China Coast to the Bering Sea," May 1942, 9 pp. (Letterpress) *
- Vol. II, No. 1, "Flying Conditions in Eastern Maine," May 1942, 13 pp. (Letterpress) * (Redesignated AWS SS-30, Rescinded Jun 49)
- Vol. II, No. 2, "Preliminary Report on Topography and Climate of British Columbia and Northwestern Alberta Including Temperature, Precipitation and Rainfall and Index of Meteorological Stations," May 1942, 10 pp. (Letterpress) *

Publications of the Weather Research Center (Cont'd)

- Vol. II, No. 3, "Climate and Weather of the West Coast of Africa and the Eastern Atlantic Islands," May 1942, 40 pp. (Letterpress)*
- Vol. II, No. 4, "Flying Conditions Over the Southeastern Coast of Japan the Sea of Japan and the East China Sea," May 1942, 31 pp. (Letterpress) * (Redesignated AWS SS-32, Rescinded Apr 60)
- Vol. III, No. 1, "Preliminary Report on Climate and Weather of Northwestern Europe," June 1942, 72 pp. (Letterpress) * (Redesignated AWS SS-33, Rescinded Apr 60)
- Vol. III, No. 2, "Weather Conditions Preceding and During the Escape of the German Battleships 'Gneisenau' and 'Scharnhorst' From Brest, France, Northward Through the Straits of Dover, February 12, 1942," by Irving P. Krick, May 1942, 9 pp. (Letterpress) *
- Vol. III, No. 3, "Average and Maximum Wind Velocities at Selected Coastal Stations in United States, Hawaiian Islands, Alaska and Puerto Rico," March 1942, 7 pp. (Lithopr) *
- Vol. III, No. 4, "Climate and Weather of the Asiatic Portion of the Union of Soviet Socialist Republics and of its Air Approaches," November 1942, 77 pp. (Letterpress) * (Redesignated AWS SS-34, Rescinded Apr 60)
- Vol. IV, No. 1, "Discussion of Arctic Conditions by Dr. Vilhjalmur Stefansson (Special Consultant, Office Coordinator of Information) At a Conference Held at Headquarters Army Air Forces, 4 April 1942, Washington, D. C.," April 1942, 31 pp. (Lithopr) *

Publication of the Directorate of Weather

- Vol. IV, No. 2, "The English Channel, Part I: Oceanography," November 1942, 105 pp. (Letterpress) * (Redesignated AWS SS 35A, Rescinded June 1949)

Publication of the Weather Information Branch

- Vol. IV, No. 2, "The English Channel, Part II: Meteorology and Climatology," September 1943, 75 pp. (Lithopr) * (Redesignated AWS SS-35B, Rescinded June 1949)

Publications of the Weather Research Center

Vol. IV, No. 3, "Preliminary Climatic Atlas of the Mediterranean Region,"
November 1942, 19 pp. (Letterpress) *

Vol. IV, No. 4, "Collected Papers prepared by Pan-American Airways, Inc."
(Reprinted by AAF) June 1942, 21 pp. (Letterpress) *

Contents:

1. "Winterflying Conditions and Air Mass Characteristics
in the Guam-Manila-Hong Kong Sector," by E.B. Buxton,
pp. 1-5.
2. "Summary of Flying Conditions on the Pacific Routes of
Pan-American Airways, Inc.," by W. H. Clover,
pp. 6-10.
3. "Notes on Weather Analysis in the Tropics," by
E. B. Buxton, pp. 11-15.
4. "On the Development and Maintenance of Tropical
Cyclones in the Far East," by L. H. Fennel,
pp. 16-21.

Vol. V, No. 1, "Wind Roses for Canton Island, Midway Island and Noumea
Island (N.C.)," prepared by Pan-American Airways,
(Reprinted by AAF) 1941, 47 pp. (Lithopr) *

Vol. V, No. 2, "Summary of the state of the Ice in Arctic Seas During the
Years 1935-38," June 1942, 35 pp. (Letterpress) *
(Redesignated AWS SS-36, Rescinded Apr 60)

Vol. V, No. 3, "Climate and Weather of Southeastern Asia, Part I: India,
(Pt. I). Burma, and Southern China," May 1942, 129 pp.
(Letterpress) * (Redesignated AWS SS-37A, Rescinded Apr 60)

Publication of the Weather Information Branch

Vol. V, No. 3, "Climate and Weather of Southeastern Asia, Part II: Farther
(Pt. II) India and the Netherlands East Indies," May 1942, 141 pp.
(Lithopr) * (Redesignated AWS SS-37B, Rescinded Apr 60)

Publication of the Weather Research Center

Vol. V, No. 4, "A Discussion of Projections and the New Weather Plotting
Charts of the Weather Research Center," July 1942, 15 pp.
(Letterpress) *

Publication of the Directorate of Weather

- Vol. VI, No. 1, "Temperature of the Surface Waters of the Atlantic Ocean," March 1943, 51 pp. (Letterpress) * Translated from German and reproduced by Oceanographic Section from Günther Böhnecke's "Die Temperatur," issued in 1938 as Part II of "Temperatur, Salzgehalt und Dichte and der Oberfläche des Atlantischen Ozeans," which is Vol. V of a series of fifteen volumes on the "Scientific Results of the German Atlantic Expedition of the Research and Survey Ship 'Meteor'" (1925-27). These reports were originally edited by A. Defant and published under the auspices of the Notgemeinschaft der Deutschen Wissenschaft by Walter de Gruyter and Company, Berlin.

Publications of the Weather Research Center

- Vol. VI, No. 2, "Climate and Weather of the British Isles," November 1942, 126 pp. (Letterpress) * (Redesignated AWS SS-38, Rescinded)
- Vol. VI, No. 3. (No record)
- Vol. VI, No. 4, "Method for Forecasting Swell." (Not published? see Weather Division Report #239)
- Vol. VII (No record)
- Vol. VIII, No. 1, "Weather Stations of 15th Weather Region." (Not published?)
- Vol. VIII, No. 2, "List of Stations of the 17th Weather Region." (Not pub'd?)

HEADQUARTERS ARMY AIR FORCES (1941-45)

Office ACAS, Operations, Commitments, and Requirements

Weather Division: Unnumbered Reports: These are documents originally prepared for internal use of the Division and in most cases were not disseminated elsewhere nor converted to numbered reports.

Item No.

Weather Information Branch

1. "Verification of Long-Range Forecasts (An annotated Bibliography)," 1943, 12 pp. (Mimeogr) *
2. "Verification of Short-Range Forecasts (An annotated Bibliography)," 1943, 55 pp. (Mimeogr) *
3. "Preliminary Climatic Atlas of the World." Special Series #1 (Rev) prepared by Military Climatology Project, Inst. of Met., Univ. of Chicago, under the direction of Weather Information Branch, July 1943, with Supplement #1, July 1943 (Lithopr) *
4. "Long-Range Forecasting," by Lt. R. C. Bundgaard, circa 1943, 321 pp. (Typescr) incl. figs. *
5. "Military Uses of Weather Information, Preliminary and Revised Editions," 1943-1944, 270 pp. (Mimeogr) * Revised ed. Hq AWS, 1947, 124 pp. (Mimeogr) *
6. "Weather and Heavy Bombardment Operations," (Extracted from letters received from various AF Commanders) circa 1944, 3 pp. (Typescr) *
7. "Weather Types and Their Use in Forecasting." Paper presented by Lt. Colonel I. P. Krick before the Royal Navy at the Admiralty in London, 6 December 1944, 21 pp. (Lithopr) *
8. "An Annotated Bibliography of Some Early Uses of Punched Cards in Meteorology and Climatology," by Capt M. C. George, 1944, 14 pp. (Ditto). (Published in Bull. Amer. Met. Soc., March 1945, pp. 76-84) *
9. "Direct Observational Methods for the Determination of Swell Characteristics from Aircraft." (Published as AWS TR 105-16, June 1945) (ATI-70921) *

Verification Section

10. "Method of Rating Short-Range Forecasts," 7 June 1943, 16 pp. (Ditto) *
11. "Method of Verification of Long-Range Forecasts of Precipitation and Weather Class," 26 October 1943, 10 pp. (Mimeogr) *

Weather Division (Cont'd)Item No.Weather Information Branch (Cont'd)Verification Section (Cont'd)

12. "Short-Range Forecast Verification Program," November 1943, 31 pp. (Lithopr) *
13. "Short-Range Forecast Verification Program," June 1944, 11 pp. (Lithopr) *
14. "Forecasting With the Aid of Analogues," 1944, 20 pp. (Typescr) plus 17 pp. (Ditto) *

Map Files Section

15. "Bibliography of Synoptic Weather Maps at the Surface Level; Upper Air Charts; Miscellaneous Maps, Charts, Tables etc.," July 1943, 23 pp. (Mimeogr) *

Climatic Section

16. "Night Illumination Diagrams," 1943, 3 pp. (Typescr) plus figs.*
17. "Notes on Ballistic Densities [Over Japan]," 1945? 4 pp. (Typescr) *

Oceanographic Section

18. "Oceanographic Information Essential to the Army Air Forces' Weather Service," by Major H. R. Seiwel, 5 November 1943, 12 pp. (Typescr) *

Weather Information Branch"Summary of Important Newspaper and Radio Reports Specifically Mentioning Weather as Affecting Military Operations":

19. Jul 29, 1943 to Aug 4, 1943 inclusive (2304-2268) *
20. Aug 5, 1943 to Aug 11, 1943 inclusive (2305-2337) *
21. Aug 12, 1943 to Aug 18, 1943 inclusive (2338-2380) *
22. Aug 19, 1943 to Aug 25, 1943 inclusive (2381-2406) *
23. Aug 26, 1943 to Sep 1, 1943 inclusive (2407-2428) *
24. Sep 2, 1943 to Sep 8, 1943 inclusive (2429-2461) *
25. Sep 9, 1943 to Sep 15, 1943 inclusive (2462-2495) *
26. Sep 16, 1943 to Sep 22, 1943 inclusive (2496-2520) *
27. Sep 23, 1943 to Sep 29, 1943 inclusive (2521-2550) *
28. Sep 30, 1943 to Oct 6, 1943 inclusive (2551-2591) *
29. Oct 7, 1943 to Oct 13, 1943 inclusive (2592-2631) *

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- 30. Oct 14, 1943 to Oct 20, 1943 inclusive (2632-2660) *
- 31. Oct 20, 1943 to Oct 26, 1943 inclusive (2661-2679) *
- 32. Oct 27, 1943 to Nov 3, 1943 inclusive (2680-2709) *
- 33. Nov 4, 1943 to Nov 10, 1943 inclusive (2710-2745) *
- 34. Nov 11, 1943 to Nov 17, 1943 inclusive (2746-2787) *
- 35. Nov 18, 1943 to Nov 24, 1943 inclusive (2788-2825) *
- 36. Nov 25, 1943 to Dec 1, 1943 inclusive (2826-2863) *

"An Analysis of the Weather Factor in This War":

- 37. Dec 1943 *
- 38. Jan 1944 *
- 39. Feb 1944 *
- 40. Mar 1944 *
- 41. Apr 1944 *
- 42. May 1944 *
- 43. Jun 1944 *
- 44. Jul 1944 *
- 45. Aug 1944 *
- 46. Sep 1944 *
- 47. Oct 1944 *
- 48. Nov 1944 *

Long-Range Research Units

- 49. "Improved Weather Type Classification for North America," Report No. 1, by Long-Range Research Units, California Institute of Technology, 14 August 1943 (Typescr) manuscript figs. *
- 50. "Improved Weather Type Classification," Report No. 2, Vols. I, II, III, by Long-Range Research Unit, Calif. Inst. of Tech., 1 November 1943. (Ozalid) *
- 51. "Methodology for Preparation of LRFA Forecasts with a Supplement on Verification," circa 1944, 6 pp. (Ditto) *
- 52. "Forecast Evaluation of Several Analogue Selection Methods," prepared by Capt J. Vern Hales, Long-Range Research Unit, Calif. Inst. of Tech., April 1944, 29 pp. (Lithopr) *
- 53. "Analogue Selection Research," letter by 2/Lt J. O. Montgomery and 2/Lt G. D. Dixon, to Capt J. Vern Hales, with manuscript tables and figs., Long-Range Research Unit, Calif. Inst. of Tech., 15 April 1944. *
- 54. "Preliminary Application of Darling's Matching Techniques to a Specific Weather Problem," by 1/Lt C. J. Todd, Long-Range Research Unit, Calif. Inst. of Tech., 21 July 1944, 7 pp. (Typescr) plus illus. *

Weather Division (Cont'd)Item No.Long-Range Research Units (Cont'd)

55. "The Work of the Massachusetts Institute of Technology Long-Range Forecast Unit of the AAF Weather Division," July 1944, 5 pp. (Typescr) *
56. "Statistical Forecasting of the Upper Air," (A Seminar on The Statistical Methods of LRFD) presented before the members of the Forecast Branch, by A. M. Kahan, et al., 30 August 1944, 10 pp. (Typescr) *
57. "The Application of Two-Dimensional Matching Tests to the Solution of Forecasting Problems (With Illustrative Examples)," by Long-Range Research Unit, Calif. Inst. of Tech., September 1944, 49 pp. (Ozolid) *
58. "The Forecasting of Tokyo Cloud Cover in December," by Long-Range Research Unit, Calif. Inst. of Tech., October 1944, 31 pp. (Ozolid) *
59. "Instructions for Use of MI-____, Pibalogram," by Long-Range Research Unit, Calif. Inst. of Tech., November 1944, 21 pp. (Ozolid) *
60. "Forecasting Cloud Cover at Nagasaki, Kagoshima and Tokyo During December, January and February," by Long-Range Research Unit, Calif. Inst. of Tech., December 1944, 37 pp. (Ozolid) *

Forecast Branch

61. "Atmospheric Density Tables," n.d. 4 pp. (Typescr) *
62. "Briefing Pilots," by Capt E. C. Snead, circa 1944, 4 pp. (Typescr) *
63. "Effect of Temperature on Artillery Fire," n.d. 5 pp. (Ditto) *
64. "Principal Components of Pressure Field," by Joseph G. Bryan, n.d. 29 pp. (Typescr) *
65. "Upper-Air Forecasting by Selection of Best Predictors," in cooperation with the Office of Flying Safety, Statistical Control Office, 1943, 28 pp. (Typescr) *
66. "Procedure for Obtaining a Sea-Level Pressure-Reduction Table from the 'Smithsonian Meteorological Tables' (S.M.T.)," n.d. 4 pp. (Ditto) *

Weather Division (Cont'd)

Item No.

Forecast Branch (Cont'd)

- 67. "Critique of Verification of Weather Forecasts," (With annotated Bibliography), January 1944, 43 pp. (Lithopr). (See also WD Report #669) (ATI-70922) *
- 68. "Table for Converting Altimeter Settings to Sea-Level Pressures," 21 February 1944, 2 pp. (Mimeogr) *
- 69. "Instructions for Use of Weather Altitude-Pressure-Density Chart WRC 10-1," July 1944, 1 p. (Mimeogr) plus chart. *
- 70. "Survey of Research on Statistical Forecasting," [1944], 11 pp. (Typescr) *
- 71. "Forecasting the Average Speed of the Westerlies at 10,000 Feet Across the North Atlantic from the Sea-Level Synoptic Chart," 15 November 1944, 15 pp. (Ditto) *
- 72. "Statement of the Long-Range Forecasting Problem," circa 1945, 3 pp. (Mimeogr) *

Forecast Section

- 73. "Method for Computation of Zonal and Meridional Air-Flow Indices," by Capt G. Daams, November 1935, 6 pp. (Typescr) plus figs. *
- 74. "Forecast for 9 Days Beginning Thursday February 18, 1943," 4 pp. (Mimeogr) *
- 75. "Forecast for 9 Days Beginning Sunday February 21, 1943," 3 pp. (Mimeogr) *
- 76. "Weather and Topography in New Guinea, New Britain, and New Ireland," by Capt Lippert, et al., June 1943, 33 pp. (Typescr) plus figs. *
- 77. "Short-Range (Forecast) Verification," by K. C. Spengler. (Published in AAF Weather Service Bulletin, Vol. 2, No. 3, 1944, pp. 1-4)
- 78. "A Convenient Catalogue System for Obtaining Surface Pressure Analogues," by L. A. Boyer, and F. H. Kramer, 30 November 1944, 7 pp. (Photostat) *
- 79. "Verification of Weather Bureau 10,000-Foot Analogues by the Vector-Error Method," 31 January 1945, 7 pp. (Ditto) *

Weather Division (Cont'd)Item No.Forecast Branch (Cont'd)Forecast Section (Cont'd)

80. "Further Evaluation of the Weather Bureau 10,000-Foot Analogues," 9 February 1945, 12 pp. (Ditto) *
81. "The Center of Gravity Technique of Analogue Selection," 1 March 1945, 12 pp. (Ditto) *
82. "Punched-Card Method of Constructing Center of Gravity Decile Distribution for \bar{x} , \bar{y} , and \bar{p} ," 10 March 1945, 5 pp. (Ditto) *
83. "Weather Intelligence," Lecture given to the G-2 Orientation Class, by Capt R. M. Allan, 13 March 1945, 9 pp. (Ditto) *
84. "Computing 10,000-Foot Pressure from Surface Data," by Lt F. K. Davis, and Lt W. H. Klein, March 1945, 16 pp. (Typescr) (Published in Bull. Amer. Met. Soc., May 1945, pp. 147-152) *
85. "24-Hour Forecasts of the Center of Gravity Parameter, \bar{x} , \bar{y} , and \bar{p} ," 15 March 1945, 6 pp. (Ditto) *
86. "Conversion of Constant-Level to Constant-Pressure Data with Special Application to the 6-Kilometer and 500-Millibar Levels," 12 May 1945, 17 pp. (Ditto) *

Verification Section

87. "Verification Analysis of Upper-Air Forecasts of Pine Camp, New York, January 17 - February 20, 1944," 3 March 1944, 12 pp. (Ditto) *
88. "Relationship Between Scores of Field Forecasters and Criterion Scores," 19 April 1944, 4 pp. (Photostat) *
89. "Short-Range Forecast Frequency Distributions," 26 April 1944, 3 pp. (Photostat) *
90. "Comparison of Field Forecasters with Persistence Forecasts," 1 May 1944, 5 pp. (Photostat) *
91. "Study of Length of Forecasting Skill and 'Special Forecast' Scores," 7 June 1944, 10 pp. (Photostat) *
92. "Accuracy Levels of Short-Range Field Forecasts of Temperature and Pressure," August 1944, 13 pp. (Photostat) *

Weather Division (Cont'd)

Item No.

Forecast Branch (Cont'd)

Verification Section (Cont'd)

93. "Analysis of Findings in Study of Accuracy Levels of Short-Range Field Forecasts of Temperature and Pressure," September 1944, 6 pp. (Photostat) *
94. "Verification of Precipitation Forecasts Made by Means of Equivalent-Potential-Temperature Charts July 5 - September 15, 1944," 14 pp. (Ditto) *
95. "Effect of Climatology and Season Upon Short-Range-Forecast Verification Program Scores," 24 October 1944, 5 pp. (Photostat) *
96. "Pet Methods or Suggestions of Field Forecasters," 25 November 1944, 18 pp. (Ditto) *
97. "A Procedure for Improving Upper-Wind Forecasts by Means of Relationships Found Between the Errors of Forecast at the Different Levels," 16 December 1944, 5 pp. (Ditto) *
98. "Forecast Accuracy by Weather Elements," 20 January 1945, 3 pp. (Photostat) *
99. "Supplement to Short-Range Verification Program Annual Report," 2 February 1945, 6 pp. (Photostat) *
100. "Forecasters' Questionnaire Study," February 1945, 60 pp. (Ditto) *
101. "Verification of University of Chicago 24-Hour Weight-Chart Prognostic Maps," 15 March 1945, 5 pp. (Ditto) *

Research Control Office (Research Executive)

102. "Note on Equivalent-Potential Temperature," by G. E. Forsythe. (Published in Bull. Amer. Met. Soc., April 1944, pp. 149-151) *
103. "Determination of the Normal Regions of Heating and Cooling in the Atmosphere by Means of Aerological Data," by Major Harry Wexler, reprinted from the Journ. of Met., Vol. 1, Nos. 1 and 2, September 1944, pp. 23-28. *
104. "Tables for Computing Cross-Wind and Drift from Pressure and Radio Altimeters," 17 January 1945, 11 pp. (Photostat) *
105. "Weather Forecasting," by Harry Wexler, 22 January 1945, 6 pp. (Typescr) *

Weather Division (Cont'd)Item No.Research Control Office (Research Executive) (Cont'd)

106. "Determining Drifts by Altimeter Method," by R. B. Doremus, G. E. Forsythe and G. A. Hunt, April 1945, 23 pp. (Lithopr) *
107. "Universal Tables and Reduction of Pressure to Sea Levels," June 1945, 22 pp. incl. tables. (Photostat) *
108. "The Structure of the September Hurricane When Off Cape Henry, Virginia," by Major H. Waxler. (Published in Bull. Amer. Met. Soc., May 1945, pp. 156-159) *

Requirements and Procedures Branch

109. "Transmissions Originated by the Weather Division," 8 August 1944, 22 pp. (Typescr) incl. 3 pp. (Ditto) *
110. "A Flight Into the September 1944 Hurricane Off Cape Henry, Virginia," by Colonel F. B. Wood. (Published in Bull. Amer. Met. Soc., May 1945, pp. 153-155) *
111. "(U) Final Report of Swell Forecast Section, Admiralty, Vol. III": (Reports by 21st Weather Squadron on its Oceanographic service), Naval Meteorological Branch, Hydrographic Dept., Admiralty, September 1944. Reprinted by Weather Division, November 1944, 10 pp. (Mimeogr) plus photos. (CONFIDENTIAL) *
112. "(U) Final Report of Swell Forecast Section, Admiralty, Vol. IV: The Effect of Wave Heights Upon Unloading at Omaha Beach," Naval Meteorological Branch, Hydrographic Dept., Admiralty, September 1944. Reprinted by Weather Division, November 1944, 2 pp. (Mimeogr) plus graphs. (SECRET) *

Weather Division: Numbered Reports: The series of serially numbered reports identified as "Weather Division Reports" included:

- (a) Documents prepared in the Directorate of Weather, the predecessor organization to the Weather Division.
- (b) Documents prepared by the US Weather Bureau and civilian organizations for the Directorate of Weather or the Weather Division under Contract.
- (c) Documents prepared in the Weather Division.
- (d) Documents prepared in the Weather Central Division of Headquarters Army Air Forces Weather Service during July 1945 - June 1946.

The majority of the documents were never published but existed in no more than a few typescript, photograph, or photostat copies, because they were intended to answer only an individual request. Some of those considered of wider interest were published.

The assignment of serial numbers was begun in April 1943 when the Weather Division was created. The first numbers were assigned retroactively to documents already issued by the Directorate of Weather, and therefore these numbers did not appear on the original editions of these issues.

Weather Division (Cont'd)

The following list of the Weather Division Reports eliminates many of the numbers, those of a very trivial nature, or mere quoting of climatic data and descriptions from other readily available publications. It does include all the reports which were published and all which contain original treatments or have special historical interest, as well as all translations and reprints of papers of other agencies. The numbers from 991 on were issued by the Weather Central Division of Hqs AAF Weather Service and are listed in AWS Bibl 18/1.

Items followed by "(M)" are not on file in Headquarters Air Weather Service but are on microfilm in the AWS Climatic Center, Washington D. C.

Report No.

2. "Preliminary Report on the Climate of West Africa Including the Area West of 10° East Longitude," Publication of the Weather Research Center, Directorate of Weather, Vol. 1, No. 1, May 1942, 6 pp. (Letterpress) *
3. "Terminal Weather on the San Francisco-New York Airway," by H. T. Harrison. (Reprint of revision of the original report by United Air Lines 1939 under the title "Terminal Weather on the Chicago-New York Airway" prepared by H. T. Harrison, UAL, 1 May 1941) Publication of the Weather Research Center, Directorate of Weather, Vol. 1, No. 2, May 1942, 96 pp. (Letterpress) *
6. "Preliminary Report on the Climate of Central America and Northern South America, March to August," Publication of the Weather Research Center, Directorate of Weather, Vol. 1, No. 3, May 1942, 74 pp. (Letterpress) *
8. "General Synopsis of Dominant Meteorological Situations From the China Coast to the Bering Sea," Publication of the Weather Research Center, Directorate of Weather, Vol. 1, No. 4, May 1942, 9 pp. (Letterpress)*
9. "Flying Conditions in Eastern Maine," Publication of the Weather Research Center, Directorate of Weather, Vol. II, No. 1, May 1942, 13 pp. (Letterpress) *
10. "Preliminary Report on Topography and Climate of British Columbia and Northwestern Alberta Including Temperature, Precipitation and Rainfall and Index of Meteorological Stations," Publication of the Weather Research Center, Directorate of Weather, Vol. II, No. 2, May 1942, 10 pp. (Letterpress) *
11. "Application of Wet and Dry Bulb Temperatures of the Southern North Atlantic and South Atlantic to the Bio-Climatology of Bordering Coastal Regions," May 1942, 4 pp. (Typescr) plus illus. *
12. "Climate and Weather of the West Coast of Africa and the Eastern Atlantic Islands," Publication of the Weather Research Center, Directorate of Weather, Vol. II, No. 3, May 1942, 40 pp. (Letterpress) *

Weather Division (Cont'd)Report No.

13. "Climate and Weather of Central East Asia Including the Japanese Islands," August 1943, 97 pp. incl. figs. (Text mimeogr, figs. lithopr) * (Redesignated AWS SS-1, Rescinded Apr 60)
15. "Flying Conditions Over the Southeastern Coast of Japan, the Sea of Japan, and the East China Sea," Publication of the Weather Research Center, Directorate of Weather, Vol. II, No. 4, May 1942, 31 pp. (Letterpress) *
16. "Preliminary Report on Climate and Weather of Northwestern Europe," Publication of the Weather Research Center, Directorate of Weather, Vol. III, No. 1, June 1942, 72 pp. (Letterpress) *
18. "Weather Conditions Preceding and During the Escape of the German Battleships 'Gneisenau' and 'Scharnhorst' From Brest, France, Northward Through the Straits of Dover, February 12, 1942," Publication of the Weather Research Center, Directorate of Weather, Vol. III, No. 2, May 1942, 9 pp. (Letterpress) *
19. "Average and Maximum Wind Velocities at Selected Coastal Stations in United States, Hawaiian Islands, Alaska, and Puerto Rico," Publication of the Weather Research Center, Directorate of Weather, Vol. III, No. 3, March 1942, 7 pp. (Lithopr) *
23. "General Report on World Army Clothing Types," by Robert G. Stone, New York University, 1942. (Typescr) figs. (M)
24. "Introduction Into Large-Scale Weather Research," (Einführung in die Grosswetterforschung.) by Franz Baur, 1937. Translated for Hq AAF, 1942.
30. "Fog and Low Ceiling Frequencies Along the U.S. Pacific Coast," (Revised) prepared under the direction of the Weather Research Center by Statistics Division, U.S. Weather Bureau. (Reprinted by Weather Division, March 1944) 52 pp. (Lithopr) * (Redesignated AWS SS-2, Rescinded Apr 60)
31. "Preliminary Report on Mexico, Caribbean and Northern Part of South America," prepared by Statistics Division, USWB, P.R. 18, April 1942, 154 pp. (Lithopr) *
34. "Preliminary Climatic Atlas of the Mediterranean Region," Publication of the Weather Research Center, Directorate of Weather, Vol. IV, No. 3, November 1942, 19 pp. (Letterpress) *
35. "Climate and Weather of the Asiatic Portion of the Union of Soviet Socialist Republics and of its Air Approaches," Publication of the Weather Research Center, Directorate of Weather, Vol. III, No. 4, November 1942, 77 pp. (Letterpress) *

Weather Division (Cont'd)Report No.

37. "Discussion of Arctic Conditions," by Dr. Vilhjalmur Stefansson, (Special Consultant, Office Coordinator of Information) at a Conference held at Hq Army Air Forces, 4 April 1942, Washington D.C., Publication of the Weather Research Center, Directorate of Weather, Vol. IV, No. 1, April 1942, 31 pp. (Lithopr) *
42. "Climatology of South America." (Klimakunde von Suedamerika), by K. Knoch, in: "Handbuch der Klimatologie" (ed. by Koppen and Geiger), Vol. 2, Part G, 1930. Translated at Weather Research Center, 1942, 360 pp. incl. illus. (Typescr) (ATI-110446) *
43. "Climate and Weather of Southeastern Asia, Part I: India, Burma, and Southern China," Publication of the Weather Research Center, Directorate of Weather, Vol. V, No. 3, May 1942, 129 pp. (Letterpress) *
44. "Climate Atlas of Norway" (Atlas de climat de Norvege), by H. Mohn, Geofysiske Publikationer, Vol. 2, No. 7, 1921. Translated by Climatology Division, May 1942, 11 pp. (Mimeogr) plus charts. (M)
45. "Outlines of Philippine Frontology," by Charles E. Deppermann, Manila Central Observatory, Philippine Weather Bureau, 1936, 27 pp. (Reprinted by Weather Research Center, May 1942) *
52. "Condensation Trails," prepared by Weather Central Division, compiled and published by Directorate of Weather, October 1943, 27 pp. (Lithopr) *
53. Supplement "Condensation Trails," prepared by Weather Information Branch, October 1943, 9 pp. (Lithopr) *
54. "Geography of the Atlantic Ocean " (Geographie des Atlantischen Ozeans), by Gerhard Schott. Verlag von. C. Boysen, Hamburg, 1912. Chapters V-VI only. Transl. Weather Research Center, May 1942. (ATI-110448)*
55. "Climatology of East India and East Indian Islands" (Klimakunde von Hinterindien und Insulinde), From: "Handbuch der Klimatologie," ed. by Koppen und Geiger, Vol. 4, Part R, Borntraeger Bros., Berlin, 1931. Transl. by Weather Research Center, 1942, 180 pp. (Typescr)* (Printed as NAVAER 50-1R-bl, January 1944, 111 pp.)
60. "Climate and Weather of the British Isles," Publication of the Weather Research Center, Directorate of Weather, Vol. VI, No. 2, November 1942, 126 pp. (Letterpress) *
61. "Climate and Weather as Related to Flight Conditions Along the West Coast of South America," prepared for the Directorate of Weather, in cooperation with the Statistics Division, USWB, P.R. 32, circa 1944, 93 pp. (Lithopr) * (Redesignated AWS SS-3, Rescinded Apr 60)

Weather Division (Cont'd)Report No.

67. "Storm Types," prepared by Statistics Division, USWB, S.R. 27, 1942, 47 pp. (Lithopr) *
68. "Temperature of the Surface Waters of the Atlantic Ocean," by Günther Böhnecke. Translated from German and reproduced by Oceanographic Section, Publication of the Directorate of Weather, Vol. VI, No. 1, March 1943, 51 pp. (Letterpress) *
69. "Frontology of North Africa" (La Frontologie en Afrique do Nord), by L. Petitjean, Beitrage zur Physik der Freien Atmosphaere, Bd XIX, 1932, pp. 163-173. Translated and reprinted by Weather Information Service, April 1943, 16 pp. (Lithopr) (ATI-110389) *
76. "Wind Roses for Canton Island, Midway Island, and Noumea Island (N.C.)," prepared by Pan-American Airways, 1941. Reprinted by AAF, Publication of the Weather Research Center, Directorate of Weather, Vol. V, No. 1, May 1942, 47 pp. (Lithopr) *
80. "Wing Icing Conditions Over North Atlantic and Adjacent Land Areas." (Typescr) plus figs. (M)
81. "Preliminary Report on the Climate of Guadeloupe (Leeward I.)," (Typescr) plus figs. (M)
84. "Some Preculiarities in the Distribution of Winds Over Ashkhabad According to Data of Pilot-Balloon Observations for the Year 1928." (Typescr) plus figs. (M)
85. Collected Papers prepared by Pan-American Airways, Inc., June 1942, 21 pp. (Letterpress) * Reprinted by AAF, Publication of the Weather Research Center, Directorate of Weather, Vol. IV, No. 4, 1942.

Contents:

1. "Winterflying Conditions and Air Mass Characteristics in the Guam-Manila-Hong Kong Sector," by E. B. Buxton, pp. 1-5.
 2. "Summary of Flying Conditions on the Pacific Routes of Pan-American Airways, Inc.," by W. H. Clover, pp. 6-10.
 3. "Notes on Weather Analysis in the Tropics," by E. B. Buxton, pp. 11-15.
 4. "On the Development and Maintenance of Tropical Cyclones in the Far East," by L. H. Fennel, pp. 16-21.
89. "Summary of the state of the Ice in Arctic Seas During the Years 1935-38," Publication of the Weather Research Center, Directorate of Weather, Vol. V, No. 2, June 1942, 35 pp. (Letterpress) *

Weather Division (Cont'd)

Report No.

90. "Tactical Use of Cloud," [by C. E. Palmer], Tech Note No. 26-40, Bureau of Aeronautics. Reprinted with consent of Navy Dept., by Weather Research Center, June 1942, 9 pp. (Ditto) *
98. "Weather Conditions During the Polar Flight of the 'Graf Zeppelin'" (Wetterlage bei der Polarfahrt des 'Graf Zeppelin') by Ludwig Weickmann, Beiträge zur Physik der freien Atmosphäre, Vol. 19, 1932, pp. 306-310. Translated by Weather Research Center, June 1942, 8 pp. (Ditto) (ATI-145125) *
99. "Studies of Fronts in Australia" (Frontologie Untersuchungen in Australien), by L. Lammert, Beiträge zur Physik der freien Atmosphäre, Vol. XIX, 1932, pp. 203-219. Translated by the Weather Information Service, February 1943, 20 pp. (Lithopr) (ATI-110434) *
104. "A Situation of Extreme Carburetor Icing." (Typescr) plus figs. (M)
107. "A Discussion of Projections and the New Weather Plotting Charts of the Weather Research Center," Publication of the Weather Information Branch, Vol. V, No. 4, July 1942, 15 pp. (Letterpress) *
108. "Greenland from the Standpoint of Synoptic Meteorology," by F. Loewe, reprinted from Quarterly Journal of the Royal Meteorological Society, Vol. 62, No. 266, July 1936, pp. 359-377. *
113. "The Possibility of Using the Relationships Between Turbidity Factors and Air Bodies for Practical Weather Analysis" (Die Verwundungsmöglichkeit der Relationen zwischen Trübungs-faktoren und Luftkörpern für die praktische Wetteranalyse), by W. Grundmann and O. Moese, Annalen der Hydrographie und Maritimen Meteorologie, Vol. 59, 1931, pp. 253-261. Translated by Weather Research Center, 1942, 20 pp. (Typescr) (ATI-120333) *
118. "Aeronautical Meteorology" (Flugmeteorologie), by Walter Georgii. Akademische Verlagsgesellschaft MBH, Leipzig, 1927. Translated by Weather Research Center, 1942, 405 pp. (Typescr) photostat figs. (ATI-120867) *
140. "Climatic Charts for Alaska," Publication of the Weather Research Center, Directorate of Weather, July 1942 (Lithopr) * (Redesignated AWS SS-4, Rescinded Apr 60)
141. "Geography of the Indian and Pacific Oceans" (Geographie des Indischen und Stillen Ozeans), by Gerhard Schott, Verlag von C. Boysen, Hamburg 1935. Chapters IV-IX only. Translation by Weather Research Center, July 1942, Vol. I, 151 pp. (Typescr) maps figs., Vol. II, Chapters 8-9, 283 pp. (Typescr) figs. (ATI-110384/ATI-113163) *

Weather Division (Cont'd)Report No.

142. "Wind Factors Over the Pacific Ocean and Aircraft Soundings at Selected Terminals," circa 1943. (Redesignated AWS SS-5, Rescinded 15 June 1949)
143. "(U) Summary of Meteorologic and Oceanographic Factors Affecting Invasion of the Channel Coast of France." (Typescr) figs. (CONFIDENTIAL) (Available in Climatic Center)
144. "The English Channel, Part I: Oceanography," Publication of Directorate of Weather, Vol. IV, No. 2, November 1942, 105 pp. (Letterpress) (Redesignated AWS SS-35A, Rescinded June 1949); "The English Channel, Part II: Meteorology and Climatology," Publication of the Weather Information Branch, Vol. IV, No. 2, September 1943, 75 pp. (Lithopr) (Redesignated AWS SS-35B, Rescinded June 1949) *
146. "Weather and Aerial Operations in the Western Aleutian Islands," Publication of the Weather Research Center, Directorate of Weather, July 1942, 6 pp. (Multilith) *
161. "Practical Weather Analysis" (Die Praktische Wetteranalyse), by Gerhart Schinze, Archiv der Deutschen Seewarte, Vol. 52, No. 1, Hamburg, 1932. Translated by Weather Research Center, August 1942, 182 pp. (Typescr) (ATI-110385) *
162. "Use of Wing De-Icing Boots Over the Northern Hemisphere." Supplement: "Use of Wing De-Icing Boots Over the World and World Distribution of Some Freezing Level Contours." (Typescr) figs. (M)
168. "The Air Masses of West Africa" (Les Masses d'Air de l'Quest Africain), by Henry Hubert, Physique du Globe de la France D'Outre-Mer, No. 26, February 1938. Translated by Weather Research Center, August 1942, 45 pp. (Ditto) plus figs. (ATI-117990) *
169. "Climate of Northern Africa," circa 1943. (Redesignated AWS SS-6, Rescinded May 1948) Prepared by Statistics Division, USWB.
178. "Preliminary Oceanographical Report on the Northeast Coast of Africa Between Cape Spartel and Cape Mogador." Supplement: "Tide and Illumination Diagrams." (Typescr) figs. (M)
- 178A. "Relative Time Differences for Swell." (M)
180. "Survey of the Climate of the Arctic" (Übersicht über das Klima des Polarmeeres und des Kanadischen Archipels), by H. U. Sverdrup. In: "Climate of the Canadian Archipelago and Greenland" (Klima des Kanadischen Archipels und Grönlands), Handbuch der Klimatologie, Band II, Teil K, ed. by Koppen and Geiger, Berlin, 1935. Transl. and revised by Weather Information Service, May 1943, 36 pp.

Weather Division (Cont'd)Report No.

180. "Climate of the Greenland Inland Ice" (Klima des Grönlandischen Inlandeises), by F. Loewe. Translated and adapted from: "Climate of the Canadian Archipelago and Greenland" (Klima des Kanadischen Archipels und Grönlands) Handbuch der Klimatologie, Band II, Teil K, ed. by Koppen and Geiger, 1935. Translated by Weather Information Branch, May 1942, 69 pp. *
185. "Visibilities Near and Above Berlin (Germany)," Publication of the Weather Research Center, Directorate of Weather, September 1942, 11 pp. (Ditto) plus figs. * (Redesignated AWS TR 105-19, Rescinded)
188. "Climatology of Central and Southern Europe" (Klimakunde von Mittel und Sudeuropa), by E. Alt, Handbuch der Klimatologie, Vol. 3, Part M, Berlin, 1932. Translation by Weather Research Center, 1942, 320 pp. (Typescr) figs. missing. (ATI-113115) *
192. "The Weather Factor in Bombing Germany From English Bases." (Incl. data on such operations on Britain From German-held bases.) (Typescr) (M)
193. "The Strategic Aspects of Balkan Climate." Special Series No. 2, Printed by Univ. of Chicago, for Weather Information Branch. (Lithopr)
194. "Cloud Atlas." (M)
- 197B. "Flying Weather Darwin to Timor and Guadalcanal to Truk," prepared by Statistics Division, U.S. Weather Bureau, in cooperation with Weather Directorate, January 1943, 11 pp. (Typescr) *
198. "Studies on the Doldrum Belt of the Atlantic Ocean" (Untersuchungen über der Kalmenzone des Atlantischen Ozeans), by W. Schnapauff, Veröffentlichungen des Meteorologischen Instituts der Universität Berlin, Band 11, Heft 4. Translated by Weather Information Service, March 1943, 33 pp. (Lithopr) (ATI-113162) *
211. "The Determination of Altitude by Use of the Temperature at the Boiling Point of Distilled Water." (Typescr) (M)
213. "The Accumulation of Ice Upon Exposed Structural Members in Greenland." (Typescr) (M)
220. "The Russian Winter," prepared by Climatological Division, Directorate of Weather, October 1942, 6 pp; incomplete. (Typescr) plus 59 figs.*
221. "Hydrographic Data for Italian Streams," circa 1944. (Redesignated AWS SS-7, Rescinded May 1948) (M)

Weather Division (Cont'd)Report No.

227. "The Relation Between Average Monthly Cloudiness and the Average Number of Clear and Cloudy Days," prepared by Climatological Division, Directorate of Weather, October 1942, 7 pp. incl. figs.* (Redesignated AWS TR 105-20) (ATI-65125)
231. "Map: 16th Weather Region, Showing Army Installations including those of the Army Air Forces, Ground Forces and Services of Supply." (M)
234. "Map: 4th Weather Region, Showing Army Installations including those of the Army Air Forces, Ground Forces and Services of Supply." (M)
235. "Map: 1st Weather Region, Showing Army Installations including those of the Army Air Forces, Ground Forces and Services of Supply." (M)
236. "Map: 2nd Weather Region, Showing Army Installations including those of the Army Air Forces, Ground Forces and Services of Supply." (M)
237. "Map: 3rd Weather Region, Showing Army Installations including those of the Army Air Forces, Ground Forces and Services of Supply." (M)
238. "The Strategic Aspects of the Italian Climate." Special Series No. 4, Printed by Univ. of Chicago for Weather Information Branch. (M)
239. "Method for Forecasting Swell," Publication of the Weather Research Center, Directorate of Weather, Vol. VI, No. 4. (M)
245. "Weather Conditions Affecting Incendiary Bombing of Japan," prepared by Statistics Division, U.S. Weather Bureau, under the direction of the Weather Information Service, May 1943, 136 pp. (Lithopr) *
249. "Climate of Italy," by E. Alt. (Excerpt from Wea. Div. Report No. 188) In: Handbuch der Klimatologie, Part M, Vol. 3, Berlin, 1932. Transl. by Weather Research Center, November 1942, 9 pp. (Mimeogr) *
251. "Climatic Atlas of Italy," Univ. of Chicago, 1942 (Photostat) *
259. "Weather Conditions Affecting Incendiary Bombing of Germany," prepared by Statistics Division, U.S. Weather Bureau, under the direction of Weather Information Service, n.d. 79 pp. (Lithopr) *
260. "Weather Conditions Affecting Incendiary Bombing of Italy," prepared by Statistics Division, U.S. Weather Bureau, under the direction of Weather Information Service, June 1943, 53 pp. (Lithopr) *
268. "The Strategic Aspects of the Climate of Southern France." Special Series No. 3, Printed by Univ. of Chicago for Weather Information Branch, 1943. (Lithopr)

Weather Division (Cont'd)Report No.

270. "Wing Icing Conditions Throughout the World," prepared by Statistics Division, U.S. Weather Bureau, under the direction of Weather Information Branch, September 1943, 40 pp. (Lithopr) * (Redesignated AWS SS-8, Rescinded Apr 60)
273. "Amplification of the Concept of Symmetry in Pressure Curves" (Eine Erweiterung des Begriff es der Symmetrie der Luftdruckkurven), by E. Wahl, Meteorologische Zeitschrift, Vol. 56, No. 12, December 1939, pp. 445-452. Translated by Climatology Division, December 1943, 26 pp. (Typescr) figs. (ATI-120332) *
274. "Symmetries and Periods of Temporal Course of the Barometric Mean Temperature on the Lower Half of the Troposphere" (Symmetrieen und Perioden im zeitlichen Verlauf der barometrischen Mitteltemperatur der unteren Troposphärenhalfte), by E. Wahl, Meteorologische Zeitschrift, Vol. 57, No. 1, 1940, pp. 1-5. Transl. by Climatology Division, December 1942, 15 pp. (Typescr) (ATI-137165) *
275. "Investigations of the Morphology of Atmospheric Pressure Curves" (Untersuchungen über die Morphologie von Luftdruckkurven), by K. Stumpff, Meteorologische Zeitschrift, Vol. 55, No. 7, July 1938, pp. 237-250. Transl. by Climatology Division, December 1942, 32 pp. (Typescr) figs. (ATI-113151) *
276. "Symmetry Point and Weather Map Symmetry" (Symmetriepunkt und Wetterkartensymmetrie), by F. Model, Veröffentlichungen des Geophysikalischen Instituts der Universität Leipzig, Second Series, Spezialarbeiten aus den Geophysikalischen Institut und Observatorium, Vol. XI, Part 2, 1938. Transl. by Climatology Division, December 1942, 98 pp. (Typescr) figs. (ATI-110394) *
300. "Sky Brightness and Illumination Data for Scandinavia, European Russian and the Arctic," prepared for the Directorate of Weather, in cooperation with the Statistics Division, U.S. Weather Bureau, W.B.S.R. 196, February 1943, 22 pp. (Typescr) plus fig. * (Redesignated AWS TR 105-21, July 1946, Rescinded 1949)
305. "Maps: Weather Regions." (No record)
309. "Weather Charts of the Army Air Forces," prepared by Climatological Division, March 1943, 25 pp. (Lithopr) *
310. "The Strategic Aspects of the Climate of the Iberian Peninsula." Special Series No. 5, Printed by Univ. of Chicago for Weather Information Branch, 1943. (Lithopr)
311. "The State of the Sea Along the Coast of Spanish Morocco." (Typescr) (M)

Weather Division (Cont'd)Report No.

- 311A. "Use of Charts for Relative Time Differences for Swells." (No record)
313. "Notes of Occurrence of Dust in the Atmosphere and Data on Maximum Dewpoints. Summary: Notes on Desert Sand and Examples of High Dewpoints." (Typescr) (M)
318. "Climatology of Alaska," prepared for the Directorate of Weather, in cooperation with the Statistics Division, U.S. Weather Bureau, W.B.S.R. 208, October 1944, 61 pp. (Typescr) plus 134 pp. figs. tables. * (Redesignated AWS SS-13, Rescinded Apr 60)(ATI-73175)
320. "Climatology of Central America" (Klimakunde von Mittelamerika), by K. Sapper, from Handbuch der Klimatologie, Vol. 2, Part H, Berlin, 1932. Translated by Army Air Corps Weather Service, 113 pp. (Lithopr) (ATI-199491) *
334. "Growth and Dissipation of Wind Waves," 18 plates, 1943. *
335. "Simplified Discussion of Weather Types." (Typescr) figs. (M)
342. "River Conditions in Southern France," prepared by Statistics Division, U.S. Weather Bureau, for the Weather Division, February 1944, 6 pp. (Lithopr) *
345. "Weather Analysis of the Tropical Atlantic," Vols. I and II. (Series of various translations from French and German, prepared by New York University) (ATI-117993) (ATI-117995) (ATI-117992) (ATI-117996) (ATI-117994) (ATI-117991). *
- 347(Rev.) "Soil Trafficability in Military Operations," Publication of the Weather Information Branch, September 1943, 25 pp. incl. fig. (Lithopr) *
353. "Investigations on the Symmetry Properties of Atmospheric Pressure Curves" (Untersuchungen über die Symmetrie Eigenschaften von Luftdruckkurven), by K. Stumpff, Veröffentlichungen des Meteorologischen Instituts der Universität Berlin, Vol. 3, No. 1, 1938. Translated by Climatology Division, n.d. 52 pp. (ATI-110381) *
354. "Wind Roses for the South Atlantic," prepared for Weather Information Branch by Statistics Division, U.S. Weather Bureau, January 1944, 32 pp. (Lithopr) *
364. "A Logical Analysis of the International Cloud Classification System," by W. Howell. (M)
365. "On the Thermal Structure of Stratus Clouds." (M)

Weather Division (Cont'd)Report No.

366. "Manual of Meteorological Instruments and Their Evaluations" (Handbuch der Meteorologische Instruments und ihrer Auswertung), by E. Kleinschmidt, et al, Berlin, 1935. Translation by Special Branch, 1943, 1,654 pp. illus., tables. (Microfilm) (ATI-120944)
378. "Sand Bearing Winds and Mud Rains" (Vents de Sable and Pluies de Boue), by H. Ch. Combiere and L. Petitjean, Mémorial de l'Office National Météorologique, No. 27, 1937. Translated by C. Munsch, AAF Library, n.d. 149 pp. (Typescr., and photostat figs.) (ATI-27858) *
381. "List of Stations: 7th Weather Region." (M)
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800. "AAF Installation Studies" (numbered 800-1 through 800-141). ^{See} special list appended to this section of the bibliography/ (On file in AWS Climatic Center on microfilm)
802. "Circulation of Atmosphere Over China," by Coching Chu, Memoir of the National Research Institute of Meteorology, No. IV, April 1934. Reprinted by Weather Division, 1944, 15 pp. (Mimeogr) plus figs., tables. (Lithopr) *
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- 890A-B. "Weather and Climate of China — Parts A and B (Synoptic)," March 1945, 573 pp. (Letterpress)*(Redesignated AWS TR 105-34A-B) (ATI-72446)
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903. "Cloud Cover Forecasting at Tokyo and Nagasaki in March." (No record)
904. "Preparation of a Classification Graph East Asia-West Pacific Synoptic Region January 1899 through June 1939, Part I," December 1944, 93 pp. (Lithopr) * (Redesignated AWS TR 105-12A) (ATI-65141);
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- 800-21. Lubbock AAF, Texas
- 800-22. Perrin Field, Texas
- 800-23. Scott Field, Illinois
- 800-24. Paine Field, Washington
- 800-25. Great Falls AAF, Montana
- 800-26. Bolling Field, D.C.
- 800-27. Brookley Field, Alabama
- 800-28. Tarrant Field, Fort Worth, Texas
- 800-29. Laurinburg-Maxton, North Carolina
- 800-30. Mather Field, California
- 800-31. Barksdale Field, Louisiana
- 800-32. Boca Raton AAF, Florida
- 800-33. Selfridge Field, Michigan
- 800-34. Camp Springs AAF, Maryland
- 800-35. MacDill Field, Florida
- 800-36. San Bernardino Army Air Depot, California
- 800-37. Hill Field, Utah
- 800-38. Roswell AAF, New Mexico
- 800-39. Tinker Field, Oklahoma
- 800-40. Hensley Field, Texas
- 800-41. Richmond AAF, Virginia
- 800-42. Bradley Field, Connecticut
- 800-43. Davis-Monthan Field, Arizona
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Weather Division (Cont'd)AAF Installation Weather Studies, Weather Division Report 800 Series (Cont'd):

800-46. Biggs Field, Texas
800-47. Mitchel Field, New York
800-48. Ellington Field, Texas
800-49. McClellan Field, California
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800-51. Chico AAF, California
800-52. Hammer Field, California
800-53. Victorville AAF, California
800-54. Spence Field, Georgia
800-55. Smyrna AAF, Tennessee
800-56. Smoky Hill AAF, Kansas
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800-58. Pueblo AAB, Pueblo, Colorado
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800-73. Alamogordo AAF, New Mexico
800-74. Tuskegee AAF, Alabama
800-75. Langley Field, Virginia
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800-77. Bryan AAF, Texas
800-78. Wright Field, Ohio
800-79. Patterson Field, Ohio
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800-93. Columbus AAF, Mississippi
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800-113. Midland AAF, Texas
800-114. Van Nuys Mun. Aprt., California
800-115. Abilene AAF, Texas
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800-118. Dover AAF, Delaware
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800-125. Pyote AAF, Texas
800-126. Godman Field, Kentucky
800-127. Casper AAF, Wyoming
800-128. Amarillo AAF, Texas
800-129. Keesler Field, Mississippi
800-130. Bedford AAF, Massachusetts
800-131. Chatham AAF, Georgia
800-132. Clinton County AAF, Ohio
800-133. Freeman Field, Indiana
800-134. Moody AAF, Georgia
800-135. Tonopah AAF, Nevada
800-136. Lakeland AAF, Florida
800-137. Myrtle Beach AAF, South Carolina
800-138. Muskogee AAF, Oklahoma
800-139. Deming AAF, New Mexico
800-140. Geiger Field, Washington
800-141. Buckingham AAF, Florida

Weather Division (Cont'd)List of General Climatic Information Guides (Sep 1943-Mar 1945):

(Available on microfilm at AWS Climatic Center)

Guide No.

- G-1 R. Frankfurt, Germany
- G-2 R. Naples, Italy
- G-3 R. Genoa, Italy
- G-4 R. Rome, Italy
- G-5 R. Messina, Italy
- G-6 R. Marseille, France
- G-7. Bremen, Germany
- G-8. Bucharest, Rumania
- G-9. Smyrna, Turkey
- G-10. Mytilini, Aegean Sea
- G-11. Copenhagen, Denmark
- G-12 R. Brest, France
- G-13 R. Tokyo, Japan
- G-14. Venice, Italy
- G-15. Turin, Italy
- G-16. Sofia, Bulgaria
- G-17. Athens, Greece
- G-18. Trieste, Italy
- G-19 R. Shanghai, China
- G-20. Berlin, Germany
- G-21. Varna, Bulgaria
- G-22. Burgas, Bulgaria
- G-23. Gulf of Valona, Albania
- G-24. Durazzo, Albania
- G-25. Scutari, Albania
- G-26. Skoplje, Yugoslavia
- G-27. Belgrade, Yugoslavia
- G-28. Zagreb, Yugoslavia
- G-29. Trondheim, Norway
- G-30. Thessalonike, Greece
- G-31. Budapest, Hungary
- G-32. Singapore, Straits Settlements
- G-33. Vladivostok, U.S.S.R.
- G-34. Hangchow, China
- G-35. Vienna, Austria
- G-36 R. Hakodate, Japan
- G-37 R. Sapporo, Japan
- G-38. Paris, France
- G-39. Strasbourg, France
- G-40. Akyab, Burma
- G-41. Mandalay, Burma
- G-42. Rangoon, Burma
- G-43 R. Nemuro, Japan
- G-44. Abashiri, Japan
- G-45 R. Syana, Japan
- G-46. Bordeaux, France
- G-47. Lyon, France
- G-48 R. Utrecht, Netherlands

Weather Division (Cont'd)

List of General Climatic Information Guides (Cont'd):

Guide No.

- G-49. Jinsen, Chosen (Korea)
- G-50. Fusan, Chosen (Korea)
- G-51. Hong Kong, China
- G-52. Batavia, Netherlands E. Indies
- G-53. Oslo, Norway
- G-54. Munich, Germany
- G-55. Breslau, Germany
- G-56. Calais, France
- G-57. Istanbul, Turkey
- G-58. Truk Islands, Caroline Islands
- G-59. Bolzano, Italy
- G-60. Fort Blair, Andaman Islands
- G-61. Konigsberg, Germany
- G-62. Groningen, Netherlands
- G-63. Vlissingen, Netherlands
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- G-72. Tours, France
- G-73. Dairen, Manchuria
- G-74. Mukden, Manchuria
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- G-76. Saigon, French Indo-China
- G-77. Manila, Philippine Islands
- G-78. Petropavlovsk, Kamchatka, U.S.S.R.
- G-79. Kobe, Japan
- G-80. Nanking, China
- G-81. Okhotsk, U.S.S.R.
- G-82. Nikolsevsik, U.S.S.R.
- G-83. Hannover, Germany
- G-84. Hankow, China
- G-85. Tientsin, China
- G-86. Tsingtao, China
- G-87. Shimonoseki, Japan
- G-88. Sendai, Japan
- G-89. Hanoi, French Indo-China
- G-90. Nagasaki, Japan
- G-91. Nauru, Ocean and Gilbert Is., Pacific O.
- G-92. Prague, Czechoslovakia
- G-93. Warsaw, Poland
- G-94. Lwow, Poland
- G-95. Riga, Latvia
- G-96. Palau Islands, Pacific Ocean
- G-97. Jaluit Islands, Marshall Islands

Weather Division (Cont'd)List of General Climatic Information Guides (Cont'd):Guide No.

- G-98. Sumay, Guam
- G-99. Davao, Philippine Islands
- G-100. Taihoku, Formosa
- G-101. Niigata, Japan
- G-102. Peiping, China
- G-103. Ujelang Atoll, Marshall Islands
- G-104. Yap Islands, Caroline Islands
- G-105. Ponape, Caroline Islands
- G-106. Amoy, China
- G-107. Canton, China
- G-108. Magoya, Japan
- G-109. Tainau, Formosa
- G-110. Naha, Japan
- G-111. Ishigaki, Ryukyu Islands, Japan
- G-112. Cherbourg, France
- G-113. LeHavre, France
- G-114. Nantes, France
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- G-117. Nurnburg, Germany
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- G-119. Aachen, Germany
- G-120. Biarritz, France
- G-121. Karlsruhe, Germany
- G-122. Aparri, Philippine Islands
- G-123. Innsbruck, Austria
- G-124. Erfurt, Germany
- G-125. Perpignan, France
- G-126. Dresden, Germany
- G-127. Stettin, Germany
- G-128. Georgetown, Penang Islands, Malay States
- G-129. Clermont-Ferrand, France
- G-130. Orleans, France
- G-131. Rochefort, France
- G-132. Metz, France
- G-133. Rheims, France
- G-134. Nimes, France
- G-135. Swatow, China
- G-136. Milan, Italy
- G-137. Kiungchow, China
- G-138. Utsira, Norway
- G-139. Bologna, Italy
- G-140. Kiukiang, China
- G-141. Fiume, Italy
- G-142. Zara, Yugoslavia
- G-143. Yuagkia (Wenchow), China
- G-144. Minhow (Foochow), China
- G-145. Split (Spalato), Yugoslavia

Weather Division (Cont'd)

List of General Climatic Information Guides (Cont'd):

Guide No.

- G-146. Sarajevo, Yugoslavia
- G-147. Saipan, Marianas Islands, Japan
- G-148. Omura, Chichi Islands (Bonin Is) Ogasawara Islands, Japan
- G-149. Basco, Batan Islands
- G-150. Surigao, Philippine Islands
- G-151. Hue, French Indo-China
- G-152. Pakhoi, China
- G-153. Wuchow, China
- G-154. Riksgransen, Sweden
- G-155. Labuan, North Borneo
- G-156. Legaspi, Philippine Islands
- G-157. Naze, Ryukyu Retto, Japan
- G-158. Gensan, Korea
- G-159. Husiki, Japan
- G-160. Olmutz, Moravia
- G-161. Trier, Germany
- G-162. Rost, Norway
- G-163. Kristiansand, Norway
- G-164. Alesund, Norway
- G-165. Zante (Zakynthos), Greece
- G-166. Candia (Erakleion), Greece
- G-167. Friedrichshafen, Germany
- G-168. Akitam Japan
- G-169. Aomori, Japan
- G-170. Hamanatsu, Japan
- G-171. Hiroshima, Japan
- G-172. Kagoshima, Japan
- G-173. Kochi, Japan
- G-174. Kyoto, Japan
- G-175. Yamagata, Japan
- G-176. Yunnanfu, China
- G-177. Changsha, China
- G-178. Calcutta, India
- G-179. Delhi, India
- G-180. Karachi, India
- G-181. Salzburg, Austria

Office ACAS, Operations, Commitments, and RequirementsItem No.Requirements Division

1. "Peacetime Development Program for Meteorological Equipment,"
by Colonel M. Duffy, October 1944, 38 pp. (Ditto) *

Army Air Forces Board

2. (See AWS Bibl 17/2)

Office ACAS, TrainingTechnical Training DivisionMeteorological Branch

3. "The Organization, Administration and Operation of the Army
Air Forces Weather Service, Weather Stations and Sections,"
November 1942, 144 pp. (Lithopr) *
4. "Cloud Photography," by P. L. Schereschewsky, September 30,
1943, 6 pp. (Typescr) *

Training Aids Division

5. 1 Set, 3-Dimensional Weather Maps (Cardboard Devices)
Map 1, Early Stage of Development
2, Cold-Front Type Occlusion
3, Warm-Front Type Occlusion

Office ACAS, MaterielAAF Liaison Office (Weather), to Signal Corps Ground Signal Agency

6. Preliminary Instruction Book, "Radar Storm Detection," 1945, 13 pp.
(Lithopr) *
7. "Notes on Sferics Distribution and the Synoptic Map," by
Lt R. C. Wanta, June 1945, 4 pp. (Typescr) plus illus. *
8. "Survey of Microwave Radar for Weather Use," May 1945, 42 pp.
(Ditto) plus illus. *
9. "Radar Observation of Frontal Passage," 26 June 1944, 12 pp.
(Typescr) plus manuscript charts. *

Office ACAS, Materiel (Cont'd)

Item No.

AAF Liaison Office (Weather), to Signal Corps Ground Signal Agency

10. "Investigation into the Practicability of Rockets for Use in Obtaining Meteorological Data," Part 2 of a Survey in 2 parts, for Capt A. F. Spilhaus, by Edwin J. Istvan, 7 February 1944, 44 pp. (Typescr) *
11. Preliminary Instruction Book, "The Use of Radar for Determining Winds Aloft," n.d. 30 pp. (Lithopr) * Superseded by "Radar Wind Computations" (prepared for the use in Mil. Sect., Specialized Training Branch, Signal Corps Ground Signal Agency) 10 May 1944, 22 pp. (Lithopr) *
12. "Weather Equipment Technician's Manual," (prepared for the use in the Mil. Sect., Specialized Training Branch) 1944. (Lithopr) *

HEADQUARTERS ARMY AIR FORCES
Numbered Publications

AAF Manuals:

- No. 6, "Weather for the Aircrew Trainee," 14 February 1944, 154 pp. (Letterpress) * (This manual supersedes TM 1-232, Apr 43)
- No. 40, "Precipitation Static," 1 December 1944, 36 pp. (Letterpress) * (Redesignated AAF Manual 105-60-1, 1945)
- 105-101-1, "Radar Weather Reconnaissance," May 1945, 33 pp. (Letterpress) *
- 105-101-2, "Radar Storm Detection," August 1945, 78 pp. (Letterpress) *
- 105-0-2, "Tropical Meteorology," May 1945, 234 pp. (Letterpress) *

APPENDIX

U. S. WAR DEPARTMENTPUBLICATIONS ON WEATHER OR APPLICABLE TO
AAF WEATHER OPERATIONS, 1940-1946Technical Manuals:

- TM 1-230, "Weather Manual for Pilots," 27 May 1940, 293 pp. (Lithopr) *
- TM 1-231, "Elementary Weather for Pilot Trainees," 22 April 1942, 23 pp. (Lithopr) *
- TM 1-231, "Elementary Weather for Air Crew Trainees," 10 February 1943. (This manual superseded TM 1-231, 22 Apr 42)
- TM 1-235, "The Weather Observer," 29 June 1942. Supplement, 2 February 1943.
- TM 1-235, "Weather Station Handbook for the Observer," 1 May 1945, 811 pp. Changes 1, and 2, 23 Oct 1945. (Letterpress) *
- TM 1-240, "Arctic Manual," 1 April 1942, 74 pp. (Lithopr) *
- TM 1-240, "Arctic Manual," Change 1, 17 January 1944. (This manual superseded TM 1-240, 1 Apr 42)
- TM 3-240, "Chemical Warfare Weather Manual," 17 April 1944, 124 pp. (Letterpress) *
- TM 3-240, "Meteorology," 7 March 1942, 51 pp. (Lithopr) *
- TM 4-240, "Meteorology for Coast Artillery," 1942.
- TM 11-334, "Timing and Telephone Sets ML-110, and ML-210," 28 December 1942; 5 June 1943; 20 August 1943, 28 pp. (Letterpress) *
- TM 11-420, "Tables of Vertical and Horizontal Components of Distances of Pilot Balloons," 7 August 1941, 65 pp. (Lithopr) *
- TM 11-421, "Ceiling Light Projectors ML-121-A, B, C, E, F, and G," 26 November 1943.
- TM 11-423, "Theodolite ML-47, Tripod ML-78, Telescope ML-146, Compass ML-197," 22 June 1943.
- TM 11-425, "Barographs ML-3-A, ML-3-B, ML-3-C, ML-3-D, ML-3-E, and ML-563/UM," Changes 1, and 2, 20 July 1944.
- TM 11-426, "Thermographs ML-77, ML-77-B, and ML-277," 17 July 1944.

Technical Manuals (Cont'd):

- TM 11-427, "Barometers ML-102-B, -D, -E, -F, -G, and ML-316/TM,"
Change 1, 13 November 1944.
- TM 11-428, "Barometers ML-2 through ML-2-F; Cases ML-48 through ML-48-E,"
17 October 1944.
- TM 11-429, "Wind Equipment SCM-20-A and Wind Equipment AN/GMQ-1 and
AN/GMQ-1A," Change 1, 9 September 1946, 47 pp. (Letterpress) *
- TM 11-433, "Time Control Equipment RC-133," Change 1, 30 April 1945.
- TM 11-900, "Power Units PE-75-C through PE-75-T," 16 November 1943, 49 pp.,
Change 1, 8 January 1944. *
- TM 11-1158A, "Radio Set SCR-658," 27 February 1945, 192 pp. (Letterpress) *
- TM 11-1324, "Radio Set SCR-584 Technical Operation," 20 December 1943,
166 pp. (Letterpress) *
- TM 11-1324, "Radio Set SCR-584-A and SCR-584-B, Technical Operation,
(General Description, Operating Instructions and Equipment
Preference Log)," 1 April 1946. (This manual superseded
TM 11-1324, 20 Dec 43)
- TM 11-1424, "Radio Set SCR-584-A and SCR-584-B, Preventive Maintenance
Manual," 22 March 1946.
- TM 11-1524, "Radio Set SCR-584 Service, Theory, Troubleshooting, and Repair
With Parts List," 10 March 1944, 960 pp. (Letterpress) *
- TM 11-1524, "Radio Set SCR-584-A and SCR-584-B Service Manual Theory,
Troubleshooting, and Repair," 15 July 1946. (This manual
superseded TM 11-1524, 10 Mar 44)
- TM 11-1563, "Radio Sets SCR-584-A and SCR-584-B with Transmitter-Receiver
Modification Kit MC-607 or MC-607-A; Service Manual,"
Change 1, 20 June 1946.
- TM 11-2403, "Installation and Maintenance of Radiosonde Receptor AN/FMQ-1."
- TM 11-2404, "Operating Instructions for Radiosondes AN/AMQ-1, AN/AMQ-1A,
AN/AMQ-1C, and Radiosonde Receptor AN/FMQ-1," 30 December 1944.
- TM 11-2405, "Meteorological Balloons," plus Changes 1, and 2, 24 April 1944,
29 pp. (Lithopr) *
- TM 11-2406, "Meteorological Station AN/TMQ-1," 1 February 1944, Change 1;
Revised 11 December 1944. *
- TM-11-2407, "Aerograph Equipment AN/AMQ-3," November 1944.

Technical Manuals (Cont'd):

- TM 11-2408, "Aerograph Equipment AN/AMQ-2," 9 April 1945, 111 pp. (Letterpress) *
- TM 11-2409, "Mobile Meteorological Station SCM-1," 29 March 1945.
- TM 11-2410, "Pilot Balloon Tables (30-gram)," 15 March 1944, 124 pp. (Letterpress) *
- TM 11-2411, "Pilot Balloon Tables (100-gram)," 10 April 1944, 125 pp. (Letterpress) *
- TM 11-2414, "Wind Indicating Equipment, Selsyn Type," 22 July 1944.
- TM 11-2415, "Psychrometer Equipment ML-313/AM and ML-313A/AM," Change 1, 5 March 1945.
- TM 11-2417, "Thermometers ML-4, and ML-5; Psychrometers ML-24 and ML-224; Shelters ML-41, ML-41-A, and ML-41-B," Changes, 1, and 2, 17 March 1945.
- TM 11-2418, "Plotting Set AN/GMQ-3," 27 November 1944, 22 pp. (Letterpress) *
- TM 11-2421, "Barometers ML-330/FM, ML-331/TM, ML-332/TM, ML-333/TM, Change 3, 27 November 1945.
- TM 11-2422, "Psychrometric Calculator ML-322/UM, Change 1, 24 March 1945.
- TM 11-2424, "Instruction for Modulated Audio Frequency Radiosonde Observations (WBAN RAOB Manual)," 1 February 1945, 87 pp. with Supplement S-1, "Radiosonde Observation Computation Tables and Diagrams," 51 pp. Change 1. (Letterpress) *
- TM 11-2426, "Meteorological Station Set, AN/TMQ-4," 30 June 1945.
- TM 11-2428, "Aerograph Calibration Set TS-407/AMQ-2," 26 October 1945.
- TM 11-2602, "Frequency Standard TS-65/FMQ-1," 31 March 1944, 17 pp. (Letterpress) *
- TM 11-2693, "Static Direction Finder AN/GRD-1A," 28 September 1945, 137 pp. (Ditto) *
- TM 11-2696, "Static Direction Finder AN/GRD-1," 1 March 1945, 48 pp. (Letterpress) *
- TM 11-2699, "Balloon Assembly MX-591 ()/GR," 9 August 1945.
- TM 20-240, "Meteorology for Artillery," November 1944.

Field Manuals:

- Air Corps FM 1-50, "Weather," 2 May 1942, 87 pp. (Typescr) (Revised ed. by AAF, 57 pp.) *

Technical Bulletins:

- TB 11-429-1, "Orienting Wind Equipment AN/AMQ-1 to Magnetic North,"
27 November 1945, 2 pp. (Lithopr) *
- TB 11-1158A-1, "Instruction for Use of Conversion Kit ML-354/AN With
Radiosonde AN/AMQ/1 () and Radio Transmitter BC-1253,"
7 February 1945, 12 pp. (Letterpress) *
- TB 11-1524-12, "Radio Set SCR-584 Maintenance Parts List," 9 September 1944,
137 pp. (Lithopr) *
- TB 11-2403-1, "Repair of Defective Radiosondes," 5 April 1944, 4 pp.
(Lithopr) *
- TB 11-2404-1, "Humidity Element for Radiosonde AN/AMQ-1 ()," 22 June 1945.
- TB 11-2405-2, "Repairing Meteorological Balloons," July 1945.
- TB 11-2415-1, "Adjustment of Ventilator and Psychrometer Support
Psychrometer Equipment ML-313/AM," 15 March 1946.
- TB SIG 36, "Use and Operation of Psychrometer Equipment ML-313/AM,"
14 May 1944, 90 pp. (Letterpress) *
- TB SIG 114, "Radio Sets SCR-545-A and SCR-584, Installation of Remote
Data Indicator Kit MC-544," Change 1, 26 December 1944.
- TB SIG 152, "Instructions for Installation and Use of Test Set I-209-A
and B for Monitoring Power Unit Used With Radiosonde
Receptor AN/FMQ-1," January 1945.
- TB SIG 160, "Radio Sets SCR-545-A and SCR-584, Remote Data Indicator Kit
NC-544, Moistureproofing and Fungiproofing Instructions,"
February 1945.
- TB SIG 165, "Operating Instructions for Radiosondes AN/AMT-1 and
AN/AMT-2," 23 March 1945, 26 pp. (Letterpress) * Change 1.
- TB SIG 191, "Pilot Balloon Targets ML-306/AP, ML-307/AP, ML-307A/AP,
ML-307B/AP, ML-309/AP, ML-350/AP, and Radar Calibration
Target TS-88/GP," 17 July 1945, 27 pp. (Lithopr) *
- TB SIG 212, "Low Temperature Lubricants for Meteorological Equipment,"
9 August 1946.



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Commander



DEPARTMENT OF THE AIR FORCE

AIR FORCE COMBAT CLIMATOLOGY CENTER (AFWA)
ASHEVILLE, NORTH CAROLINA 28801-5002

4 April 2006

MEMORANDUM FOR DTIC-OQ

ATTENTION: LARRY DOWNING
8725 JOHN J. KINGMAN ROAD
FORT BELVOIR, VA 22060-6218

FROM: Air Force Weather Technical Library
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Asheville, NC 28801-5002

SUBJECT: CHANGE CLASSIFICATION AND DISTRIBUTION STATEMENTS

1. AD353247 – Least dispersion of the Mark 12 re-entry vehicle, Sep 1964.
2. AD819674 – Climatic data summaries for selected Asian and Pacific stations; Republic of Vietnam stations, Apr 1967.
3. AD256922 – Bibliography of documents prepared by weather staff sections of Headquarters Army Air Corps and Headquarters Army Air Forces, 1937-June 1945, Apr 1961.
4. AD259710 – Technical publications and documents of Air Weather Service field activities, Part one: 1945-61 with a chronology of AWS organizations, 1945-61, June 1961.
5. AD156453 – Charts of maximum and minimum thickness lines 1000/500 MB, Northern hemisphere, 1946-1950, Sep 1952.
6. AD244550 – Technical publications and documents of Air Corps and AAF Field weather activities, Part two: 1937-1945 with a chronology of AC and AAF Weather regional organizations, 1937-1945, Sep 1960.

All the above documents need to be changed to "Approved for Public Release, Distribution Unlimited" please.

A handwritten signature in cursive script, reading "Susan A. Tarbell", is positioned above the typed name.

SUSAN A. TARBELL
Librarian, Classified Custodian,
DTIC Point of Contact