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TECHNICAL PUBLICATIONS AND DOCUMENTS OF AIR WEATHER SERVICE FIELD ACTIVITIES

PART ONE: 1945-61

With
A Chronology of AWS Organizations, 1945-61

XEROX

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UNITED STATES AIR FORCE

AWS PAMPHLET
No. 0-17/1

Headquarters
AIR WEATHER SERVICE (MATS)
Scott Air Force Base, Illinois
30 June 1961

TECHNICAL PUBLICATIONS AND DOCUMENTS OF
AIR WEATHER SERVICE FIELD ACTIVITIES
PART ONE: 1945-61

With
A Chronology of AWS Organizations, 1945-61

PURPOSE: This Pamphlet is issued to inform all AWS activities of the technical publications and miscellaneous informal documents which have emanated from AWS field activities since the end of World War II. Many studies made in one AWS unit have value to other AWS units. As dissemination of this material between units was very limited or nil, and holdings or lists of the documents in the lower headquarters are very incomplete, this Pamphlet will preserve for all AWS units an indication of what they have accomplished.

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* This pamphlet supersedes AWS Bibl 17/1, September 1959
OPI: AWSSS
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EXPLANATION

The listings herein are mainly those documents held in the Technical Files of Headquarters Air Weather Service. A few items listed are not in these files but known to have been issued. There are indications that some documents once existing are no longer available in either field or AWS headquarters. The distinction between "technical" and other documents necessarily has been made rather arbitrarily. Some of those listed do not pretend to be either original or profound studies. However, the amount of valuable material is considerable. Local-area and terminal forecast studies, other than those issued as part of a serially numbered publication, are omitted, as these are covered in AWSP O-13 (former AWS Bibliography 13). Part Two of this Pamphlet (published as AWS Bibliography 17/2, dated September 1960) covers the issues of Air Corps weather activities during 1937-1945. A chronology of the organizational changes is included, which was used in attributing the documents to the proper source.

Very few of the publications listed are still available from stock. Documents which emanated from existing AWS units should be requested from the originating unit. Otherwise requests may be directed to AWS (AWSSS) who will endeavour to obtain a reproduction. A few items already available from ASTIA are identified by an AD or ATI number. Items followed by an asterisk are presently in Headquarters Air Weather Service.

LIST OF 1st WEATHER WING PUBLICATIONS (Feb 1953-)
(Formerly 2143d AWW)

1st WEATHER WING

Item No.

"Typhoon Reports" prepared by the Tokyo Weather Central:

1. "Typhoon Viola, October 1953," 11 pp. (Mimeogr)
2. "Typhoon Winnie, October 1953," 10 pp. (Mimeogr)
3. "Typhoon Alice, October 1953," 25 pp. (Mimeogr)
4. "Typhoon Betty, October 1953," 10 pp. (Mimeogr)
5. "Typhoon Cora, November 1953," 12 pp. (Mimeogr)
6. "Typhoon Doris, December 1953," 26 pp. (Mimeogr)

7. "Consolidated Typhoon Reports," prepared by Tokyo Weather Central:

"Typhoon Elsie, 5-12 May 1954," 13 pp. (Mimeogr) *

"Typhoon Flossie, 6-10 July 1954," 11 pp. (Mimeogr) *

"Typhoons Grace and Helen: Grace, 11-17 August 1954, Helen,
13-17 August 1954," 38 pp. (Mimeogr) *

"Typhoon Ida, 23-29 August 1954," 21 pp. (Mimeogr) *

"Typhoon June, 4-14 September 1954," 27 pp. (Mimeogr) *

"Typhoon Kathy, 1-8 September 1954," 16 pp. (Mimeogr) *

"Typhoon Lorna, 12-18 September 1954," 26 pp. (Mimeogr) *

"Typhoon Marie, 19-26 September 1954," 22 pp. (Mimeogr) *

"Typhoon Nancy, 4-11 October 1954," 17 pp. (Mimeogr) *

"Typhoon Olga, 13-18 October 1954," 25 pp. (Mimeogr) *

"Typhoon Pamela, 25 October - 6 November 1954," 32 pp. (Mimeogr) *

"Typhoon Ruby, 2-11 November 1954," 35 pp. (Mimeogr) *

"Typhoon Sally, 10-20 November 1954," 33 pp. (Mimeogr) *

"Typhoon Tilda, 22 November - 1 December 1954," 32 pp. (Mimeogr) *

"Typhoon Violet, 30 December 1954 - 6 January 1955," 16 pp. (Mimeogr)*

"Typhoon Wilda, 22-28 March 1955," 20 pp. (Mimeogr) *

1st WEATHER WING (Cont'd)

Item No.

8. "Climatological Aid to Forecasting Typhoon Movement," prepared by Climatology, Tokyo Weather Central, May 1953, 15 pp. incl. charts. (Ozalid) *
9. "Temperature and Precipitation, 5-Day Class Limits for Japan and Korea," 1953, 30 pp. (Multilith) *
10. "An Objective Aid for Forecasting On-Set of Rain at Tokyo During March, April and May," prepared by Tokyo Weather Central, February 1954, 7 pp. (Mimeogr) plus charts. *
11. "Forecasting Cyclogenesis in the East China Sea During the Months of March, April and May," prepared by Capt F. E. Courtney, February 1954, 13 pp. incl. figs. tables. (Lithopr) *
12. "Weather and Climate of Indochina," prepared by Tokyo Weather Central, June 1954, 101 pp. incl. figs. tables. (Lithopr) *
13. "Climatological Aid to Forecasting Typhoon Movement," prepared by Tokyo Weather Central, August 1954, 17 pp. incl. charts. (Lithopr) *
14. "Far East Climatology of the Jet Stream, Part I," prepared by Tokyo Weather Central, October 1954, 11 pp. (Ditto) *
15. "Far East Climatology of the Jet Stream, Part II," prepared by Tokyo Weather Central, November 1954, 11 pp. (Ditto) *
16. "Use of Height Anomaly Charts in Forecasting," by Major D. E. Martin, December 1954, 28 pp. (Ditto) *
17. "Seasonal Variation of the Jet Stream Over the Far East," January 1955, 1 p. (Ditto)
18. "Astronomical and Tide Tables for Korea," 1955, 34 pp. (Multi) *
19. "Astronomical and Tide Tables for Japan," 1955, 58 pp. (Multi) *
20. The Leader, October 1955, 22 pp. (Mimeogr) *
Contents:
"Technical Improvement Program," p. 9.
"Functions of TSO," p. 10.
"Typhoon Forecasting," p. 14.
21. The Leader, November 1955, 27 pp. (Multi) *
Contents:
"Prediction of Cyclone Intensity," p. 16.
"Forecast Cyclogenesis in the Far East," p. 6.

1st WEATHER WING (Cont'd)Item No.

22. The Leader, November 1956, 36 pp. (Multi) *
Contents:
"Weathermen Use Electronics to Solve Weather Problems," p. 2.
"Two Outstanding Problems of Operational Meteorology," p. 13.
"Harmonic Analysis," p. 23.
"It All Started That Day of the Four Friendlies," p. 28.
23. The Leader, December 1956, 29 pp. (Multi) *
Contents:
"It All Started That Day of the Four Friendlies: Forecasting
Shower Intensities (Part II)," pp. 20-27.
24. The Leader, January 1957, 45 pp. (Multi) *
Contents:
"More on the Four Friendlies: Forecasting Showers (Part III),"
pp. 24-28.
"Probability and Typhoons," pp. 28-37.
"The Japan Meteorological Research Institute," pp. 38-43.
25. The Leader, April 1957, 29 pp. (Multi) *
Contents:
"Reconnaissance Tracks for Gathering Data in and Around Tropical
Cyclones," pp. 2-3.
"Typhoon Charts," p. 12.
"Re-Evaluation of the 4-D System of Operational Flight Planning,"
pp. 20-22.
"Contrails," pp. 22-23.
"Weather Radar Equipment (made in Japan)," pp. 24-25.
26. The Leader, May 1957, 40 pp. (Multi) *
Contents:
"Presentation Made by Major General Thomas S. Moorman, Jr. to the
Air Command and Staff College, 19 April 1957," pp. 3-13.
"Recent Developments in Typhoon Forecasting," by Mr. C. S. Ramage,
pp. 13-15.
"Dr. Petterssen Visits Tokyo Weather Central," pp. 26-27.
"Geostrophic Distance," pp. 33-36.
27. The Leader, June 1957, 48 pp. (Multi) *
Contents:
"Supplementary Analyses," pp. 8-10.
"Definition of Turbulence," pp. 26-29.
"Tropical Storm Central Pressures," pp. 30-31.
"It's an Electrifying Situation...." pp. 32-45.
"Upper Winds and the 'Bai-U' Front," p. 45.
28. The Leader, August 1957, 19 pp. (Multi) *
Contents:
"The Typhoon Chaser," pp. 2-4.

1st WEATHER WING (Cont'd)

Item No.

29. "Far East Climatology of the Jet Stream," prepared by Climatology, Tokyo Weather Central, Special Study 105-1, September 1955, 111 pp. incl. figs., tables. (Lithopr) *
30. "Forecasting Rules and Techniques Used in Tokyo Weather Central," prepared by Lt Colonel D. E. Martin, Special Study 105-2, 8 August 1955, 141 pp. incl. figs., tables. (Lithopr) (AD-115818) *
31. "Condensation Trails," by R. C. Simmons; a briefing for General Laurence S. Kuter, presented 5 September 1956, 6 pp. (Typescr) *
32. "An Objective Method of Forecasting Typhoon Movement," reprint of a report by Mr. Griffith Wang, Technical Report No. 1, October 1956, 8 pp. incl. figs. (Lithopr) *
33. "Typhoon Forecasting Guide," compiled by 1/Lt J. J. R. Kinney, October 1956, 19 pp. plus Appendices #1, 2, 3. (Ditto) * (AD-235433)
34. "Typhoon Research and Forecasting Methods in the 1st Weather Wing," by Marshall V. Jamison, Symposium Paper No. 5, Tropical Symposium, Brisbane, December 1956, 22 pp. (Printed) *
35. "An Improvement on the AWS Standard Vectorial Method for Obtaining Zone Winds From 4-D Charts," by A/1C P. J. Goland, 14 February 1957, 2 pp. plus figs. (Ditto) * (See also AWS Manual 105-53)
36. "Record of Proceedings 1st WWg Typhoon Conference, Fuchu Air Station, Japan, 4-8 February 1958," 195 pp. (Multi) (AD-216442) * Contents:
Sect. I: "General."
Sect. II: "Review of Activities and Problems of the 1957 Typhoon Season."
Sect. III: "Informative Presentations."
Sect. IV: "Results of Committee Sessions."
Annex A: "Presentations at Joint Meeting With the Japan Meteorological Agency."
Part I: "A Method of Locating Typhoon Centers From Surface."
Part II: "Temperature Field as an Index of a Typhoon Movement."
Part III: "Numerical Prediction of the Typhoon Movement by Making Use of the Stream Function."
Part IV: "Sinusoidal Movement of a Revolving Wind System."
Part V: "On the Numerical Prediction of Typhoon Tracks in Japan Meteorological Agency."
Part VI: "Motion and Change of the Structure of a Typhoon."
Annex B:
Part I: "Typhoon and Tropical Storm Check List."
Part II: "Typhoon Forecasting Guide."
Annex C: "A General Analysis of the Air Weather Service Typhoon Warning in the Western Pacific."
Part I: "The Military Significance of Typhoons in Western Pacific."
Part II: "An Evaluation of Current Typhoon Warning Service."
Part III: "Briefing Techniques." Part IV: "Avenues for Improvement in Forecasting." Part V: "Security Aspects."

1st WEATHER WING (Cont'd)Item No.

- 37. "Recent MATS Aircraft Mishaps and Their Probable Causes," 4 April 1957, 14 pp. incl. figs. (Inclosure to Letter "Electrostatic Weather Factor," 19 April 1957) (Multi) *
- 38. "Kunia Forecast Center Weather Warning Manual," prepared by Det 3, November 1958. (Ditto) *
- 39. "Typhoon Post Analysis for 1959 [1958]," 19 February 1959, 151 pp. incl. figs. (Lithopr) *
- 40. "Wind Regimes of the Troposphere and Low Stratosphere Over the Equatorial and Sub-Equatorial Central Pacific," by Major James C. Sadler, Met. Div., Univ. of Hawaii, circa 1959, 10 pp. (Mimeogr) plus figs. *
- 41. "A Study of Some Recent Climatological Data of the Line Islands," by Major James C. Sadler, Met. Div., Univ. of Hawaii, circa 1959, 4 pp. (Mimeogr) plus figs., tables. *
- 42. "Probability of Hurricane Force Winds Affecting an Air-Base," Letter 1 WW (OP) dated 22 December 1959, inclosing reports of the tests of the technique in AWS TR 105-146, and the Brown-Kimball and Barrow techniques made at 10 Wea Gp Detachments. Letter 10 Wea Gp (SC) 3 December 1959, with 11 Atch. (Typescr) *
- 43. "Methods and Procedures of the Joint Typhoon Warning Center," 1959, 14 pp. incl. figs. (Mimeogr) *
- 44. "Annual Typhoon Report 1959," by Joint Typhoon Warning Center, 195 pp. (Multi) *
- 45. "An Outline for Preparation of Terminal Forecast Manuals," January 1960, 4 pp. (Multi) (Attachment 1 to 1WWSUP-1/AWSR 55-24) *
- 46. "U.S.-Asian Military Weather Service Symposium at John Hay Air Base, Philippine Islands, 9-12 Feb 1960," 343 pp. (Multi) (AD-239689) *
- 47. "Program U.S.-Asian Military Weather Service Symposium at John Hay Air Base, Philippine Islands, 9-12 Feb 1960," 13 pp. (Multi) *
- 48. "Forecasting Movement and Intensity of Tropical Cyclones," by Barry E. Harris, Det 3, May 1960, 24 pp. (Ditto) *
- 49. "Simple Wind Factor Calculator," prepared by Major C. A. Carpenter, and Major N. R. Galligar, Det 3, Kunia Forecast Center, 4 May 1960.*
- 50. "Quarterly Report V: Electronic Computer Office (1 Apr - 30 Jul 1960)," Japan Meteorological Agency, 1 July 1960. Transl. by Scientific and Climatological Services, 13 pp. (Typescr) *
- 50a. "Annual Typhoon Report 1960," by Fleet Weather Central/Joint Typhoon Warning Center, 219 pp. (Multi) plus graph. *

1st WEATHER WING (Cont'd)Item No.

51. "Briefing prepared for Colonel Roy W. Nelson, Jr., by U. S. Fleet Weather Central, Joint Typhoon Warning Center, 30 October 1960, 8 pp. (Multi) *
52. "1st Weather Wing ADPS Objectives and Calendar of Accomplishments FY 1961 - 1963," October 1960, 8 pp. (Multi) *
53. "Weather Applications in Support on PACAF EDPS Command and Control," (Summary of 17 October 1960 Briefing to the PACAF EDP Advisory Group) 19 pp. incl. illus. (Mimeogr) *
54. "Major Developments Within the 1st Weather Wing During 1960," 10 pp. (Typescr) *
55. "Upper Wind Climatology of the Pacific," by Carl J. Wiederanders, 1960, 12 pp. (Ozalid) *
56. "Objective Wind Forecasting Over the Tropical Pacific," by Carl J. Wiederanders, 1960, 19 pp. (Ozalid) *
57. "Discussion of Studies Released by JTF-7 Met Center During 1960," by Lt Colonel Frank E. McCreary, Jr., 13 pp. (Ozalid) *
58. "Analyses of Monthly Mean Resultant Winds for Standard Pressure Levels Over the Pacific," by Carl J. Wiederanders, 1960, 20 pp. (Lithopr) *
59. "Typhoon Tracks and Related Data (1959-1960)," prepared by Fleet Weather Central, Joint Typhoon Warning Center, for U.S.-Asian Military Weather Symposium at John Hay Air Base, 13-17 February 1961, 6 pp. (Ozalid) *

Manuals:

- 55-2, "Weather Support to SAC Forces," 15 April 1957; Amendment #1, 24 Sep 1957 attached. (Multi) * (Rescinded 6 May 1960)
- 55-10, "Typhoon Warning Service, SOP," 1 May 1955 (Mimeogr) *
- 55-10, "Typhoon Warning Service, SOP," 1 May 1957 (Multi) Change 55-10A, 15 August 1957 attached. (Multi) *
- 55-10, "Typhoon Warning Service, SOP," 1 July 1959 (Multi) (Superseded by 1WWR 55-10, 17 June 1960, 5 pp. (Multi) *
- 105-1, "Meteorological Index Numbers for the Far East and Pacific," 12 July 1960, 29 pp. (Multi) *
- 100-1, "Pacific Weather Intercepts," November 1960, 63 pp. (Multi) *
Change A, Jan 61, 14 pp. (Multi); Change B, Feb 61, 15 pp. (Multi) *
(This manual supersedes 10WGM 100-1, May 59 and all changes thereto)

1st WEATHER WING (Cont'd)15th WEATHER SQUADRON, DET 2, ANDERSEN AFB, GUAM (Feb 1953-Feb 1957)Item No.

"Reports on Tropical Cyclones," prepared by the Typhoon Post Analysis Board:

1. "Irma, February 1953," 12 pp. (Mimeogr)
2. "Judy, June 1953," 14 pp. (Mimeogr)
3. "Kit, July 1953," 23 pp. (Mimeogr)
4. "Lola, August 1953," 17 pp. (Mimeogr)
5. "Mamie, August 1953," 17 pp. (Mimeogr)
6. "Nina, August 1953," 15 pp. (Mimeogr)
7. "Ophelia, August 1953," 7 pp. (Mimeogr)
8. "Phyllis, August 1953," 9 pp. (Mimeogr)
9. "Rita, September 1953," 15 pp. (Mimeogr)
10. "Susan, September 1953," 5 pp. (Mimeogr)
11. "Tess, September 1953," 11 pp. (Mimeogr)
12. "Terminal Forecast Manual," April 1955, 38 pp. (Mimeogr) *
13. "Report on Typhoon 'Emma'," prepared by Det 4, Kadena AFB, Okinawa, 8 September 1956, 21 pp. incl. charts. (Mimeogr) *
14. Bi-Weekly Bulletin, Vol. II, No. III, 8 February 1957. (Mimeogr) *
Contents:
"Forecasting Movement of 500-mb Systems," (WOOP) pp. 16-17.
"Advection as an Aid in Forecasting Deepening," (WOOP) pp. 17-19.
"Use of the 'Steering Principle'," (WOOP) pp. 19-20.

1st WEATHER WING (Cont'd)10th WEATHER GROUP (Feb 1957-Oct 1960)Item No.

1. "Typhoon and Tropical Storm Check List," Annex B, Part I, August 1956, 1 p. (Typescr) *
2. "Mean Vector Error and Mean Absolute Error of 12 and 24 hr Typhoon Forecasts, 1955-1957," 1 p. (Lithopr) *
3. "Monthly Terminal Weather Conditions for Air Bases in the Far East," by Det 1, November 1957, 111 pp. (Lithopr) *
4. "Report of Meteorological Support to 'Project Far Side'," 13 January 1958, 14 pp. (Multi) plus photos. *
5. "Analysis and Forecasting Methods and Procedures for a Silent Area," February 1958, 48 pp. (Multi) *
6. "The Use of Persistence as a Forecasting Tool," April 1958, 9 pp. (Lithopr) *
7. "Monthly Skill-Score Profiles of 1st Weather Wing Detachments," May 1958, 9 pp. (Lithopr) *
8. "A Comparison of 1st Weather Wing Forecasting Skill Scores With Persistence Skill-Score Levels (Oct 1956 through Dec 1957)," May 1958, 71 pp. (Lithopr) *
9. "A Comparison of 1st Weather Wing Forecasting Skill Scores With Persistence Skill-Score Levels (January, February, March 1958)," 25 July 1958, 24 pp. (Lithopr) *
10. "Typhoon and Tropical Storm Check List," August 1958, 2 pp. *
- 10a. "Analysis and Forecasting Methods and Procedures for a Silent Area," February 1958, 48 pp. (Multi) *
11. "Terminal Forecasting Skill-Score Profiles of 1st Weather Wing Detachments for June 1958," 15 August 1958, 9 pp. (Lithopr) *
12. "Performance Trends in Forecasting Terminal Ceilings and Visibilities by Operational Categories of 10th Weather Group Detachments from Oct 1956 to June 1958," 21 August 1958, 186 pp. (Lithopr) *
13. "A General Discussion of the Climate of Taiwan, and the Taiwan Strait (Including the Southeast China Coast Region)," prepared by Climatological Division, November 1958 (Multi) figs.*

1st WEATHER WING (Cont'd)10th WEATHER GROUP (Cont'd)Item No.

14. "Field Test of a Technique for Expressing Typhoon Forecasts in Terms of Probability," December 1958. (Lithopr) *
15. "TFPP Skill Score Summaries," (Selected examples: Anderson, Oct 56 - Mar 57, and Oct 57; Itazuke, Sep-Dec 58; Kadena, Nov 57 - Dec 58, and Nov 58 - Feb 59). (Multi and Typescr) *
- 15a. "Prediction of 2000-Meter Winds from Observed Surface Winds," by J. P. Mayberry, incl. Appendix A, by Major J. T. McCabe, 18 February 1959, 19 pp. (Multi) plus 2 pp. (Typescr) figs. *
16. "Typhoon Post Analysis for 1959 [1958]," 19 February 1959, (Identical to 1st WWg publication of the same title). *
17. "Meteorological Index Numbers," Rev. 2, 3d Ed., 23 April 1959, 7 pp. (Multi) *
18. "Typhoon Tracks 1947-1958," prepared by Climatological Division, April 1959, 35 pp. (Lithopr) *
19. "Monthly Mean Temperature at Altitudes Over the Far East," April 1959. (Lithopr) *
20. "A Method of Forecasting Typhoon Movements by a Graphical Solution of an Assumed Barotropic Atmosphere," by Lt Colonel H. J. Avise, circa May 1959, 10 pp. (Ditto) plus charts. *
- 20a. Extract: "Theater Weather," from PACAF Manual 50-6, Vol. I, Part Seven, October 1959, 19 pp. (Multi) *
21. "The Climatology of Persistence and Change of the Weather," August 1959, 6 pp. incl. figs. (Multi) *
22. "Silent Area Climatological Forecasting Aids," by Capt Pearse, September 1959, 156 pp. (Lithopr) *
- 22a. "Climatological Data Selected Locations Southeast Asia," September 1959, 18 pp. (Multi) *
- 22b. "Climatic Winds," October 1959, 4 pp. (Ditto) *
23. "Study of Typhoons Passing Within 300 Nautical Miles of Iwo Jima from 1947 through 1958," prepared by Det 11, September 1959, 11 pp. (Typescr) *

1st WEATHER WING (Cont'd)

10th WEATHER GROUP (Cont'd)

Item No.

24. "Systemized Procedures for the Andersen Forecast Center,"
(AWSR 55-16) by Det 2, 20 October 1959, 22 pp. (Ditto) *
- 24a. Synopses of Articles from Acta Meteorologica Sinica, 1959,
translated December 1959: (Multi) *
 - "The Influence of the Slope of a Plateau on the Movement of
Troughs and Ridges," by Chou, Hsiao-p'ing and Ku, Chen-ch'ao,
2 pp.
 - "On 'Blocking' in East Asia," 3 pp.
 - " 'Indian Summer' in Eastern Asia," by Kao, Yu-hsi, 2 pp.
25. "Preliminary Report, Climatology of Far East Typhoons," prepared
by Major J. T. McCabe, January 1960, 24 pp. (Multi) *
- 25a. "Typhoon Brief for Fifth Air Force History, July - December 1959,"
by Major J. T. McCabe, Climatic Division, January 1960, 5 pp.
(Multi) *
- 25b. "The Climatology of Persistence and Change of Tachikawa Weather,"
March 1960, 3 pp. (Multi) *
26. "Climatology of Far East Typhoons," May 1960, 39 pp. (Multi) *
27. "Preparing the Regional Surface Prognosis at Tokyo Weather
Central," by Capt Herbert Edson, 1960, 72 pp. (Multi);
Supplement 1, 20 figs. (Lithopr) * (See AWS TR 152)
28. "Applications of Far East Typhoon Climatology," prepared by
Climatology Division, September 1960, 7 pp. (Multi) *
(This report supplements and evaluates portions of
"Climatology of Far East Typhoons," May 1960)
- 28a. "The Use of Climatology of Weather Persistence in Forecasting,"
September 1960, 15 pp. (Multi) *

Manuals:

29. 55-1, "Use of Radar Meteorology in Flood Forecasting,"
1 June 1959, 33 pp. (Multi) (AD-235264) *
30. 55-2, "Forecasting Altimeter Settings," 15 June 1959, 72 pp.
(Multi) *
31. 100-1, "Pacific Weather Intercepts," 1 May 1958.
(Superseded by 1 WWM 100-1, 1 November 1960)

1st WEATHER WING (Cont'd)

10th WEATHER GROUP (Cont'd)

15th WEATHER SQUADRON (1957-59)

Item No.

32. "A Method of Forecasting Typhoon Movement by 35,000 to 40,000 ft Flow," by Lt Colonel P. X. Geary, Jr., Det 2, Guam Typhoon Forecast Center 1959, 5 pp. (Ditto) *

30th WEATHER SQUADRON (1957-59)

Item No.

33. "Sea of Japan Low-Sea of Okhotsk High (Case #A)," by Det 19, February 1958, 3 pp. (Typescr) plus charts. *
34. "Training Program for 2521 and 25270 Personnel," prepared by 30 Wea Sqd. for Weather Central, 50th Wea Gp., (ROKAF), 20 January 1958, 22 pp. (Mimeogr) *

54th WEATHER RECONNAISSANCE SQUADRON (1957-60)

Item No.

35. "Tropical Meteorology for the Weather Reconnaissance Officer," prepared by 1/Lt C. R. Hosler, February 1957, 23 pp. (Mimeogr) *

56th WEATHER RECONNAISSANCE SQUADRON (1957-60)

Item No.

36. "Estimation of Cloud Bases and Tops," 1 January 1959, 2 pp. plus diagram. (Multi)

30 June 1961

LIST OF 2143d AIR WEATHER WING PUBLICATIONS (Jan 1949-Feb 1953)
(Formerly 2043d WWg)

2143d AIR WEATHER WING

Item No.

1. "Climate and Weather of Korea and the Adjacent Seas," circa 1949, 25 pp. (Mimeogr) plus map. *
2. "Summer Climatology of Indochina, July-Sep," prepared by Tokyo Weather Central, circa 1949, 1 p. (Ditto) plus figs. *
3. "Weather of Indochina, April-June (Spring Climatology of French Indochina)," prepared by Tokyo Weather Central, circa 1949, 1 p. (Mimeogr) plus figs. *
4. "The Equatorial Front," Text of two lectures given by C. E. Palmer, Univ. of Calif., at the Central Meteorological Observatory, Tokyo, Japan, 5th and 12th February 1949, 36 pp. (Mimeogr) *
5. "Technical Report on Radiosonde Instruments," June 1950, 5 pp. (Typescr) plus charts and photos. *
6. "Winter Climatology of Korea North of 38°N," 4 December 1950, 3 pp. (Mimeogr) *
7. "Winter Climatology of Korea South of 38°N," 14 January 1951, 5 pp. (Mimeogr) *
8. "The Synoptic Study of Japan, 10 January 1951," by Tokyo Weather Central, 13 February 1951, 12 pp. (Ozalid) *
9. "Climatology of Korea (March-April-May)," prepared by Tokyo Weather Central, 25 January 1951, 3 pp. chart and table. (Mimeogr) *
10. "Normal Weather for Air Operations Cheju-do (formerly Quelpart Island)," prepared by Tokyo Weather Central, February 1951, 1 p. (Mimeogr) plus charts. *
11. "Typhoon Odds," April 1951, 1 chart. *
12. "The Weather of Formosa," May 1951, 20 pp. (Multi) *
13. "(U) Analysis of Korean Weather, Oct through Dec 1950," May 1951. (CONFIDENTIAL)
14. "Report on Post-Analysis of Typhoons in the Western North Pacific, 1947," published as AWS TR 105-42, July 1949. (ATI-63797) *
15. "Typhoon Post Analysis Program, (1948-1949)," published as AWS TR 105-43, August 1951. (ATI-134899) *

2143d AIR WEATHER WING (Cont'd)Item No.

16. "Forecasting Typhoons of 1949 With Special Reference to the Use of Streamline Analysis," published as AWS TR 105-78, August 1951. (ATI-114511) *
17. "(U) Korean Temperatures, January through April 1951," September 1951. (CONFIDENTIAL)
18. "Korean Synoptic Patterns Associated Weather by Months," prepared by Climatic Projects Division, Tokyo Weather Central, November 1951, 13 pp. (Ditto) *
19. "Korean Weather Throughout the Year," 1st ed., prepared by Tokyo Weather Central, 1951, 41 pp. (Lithopr) * (AD-235435)
20. "Korean Weather, June, July, August," prepared by Tokyo Weather Central, 1951, 14 pp. (Lithopr) *
21. "Korean Weather, September, October, November," prepared by Tokyo Weather Central, 1951, 16 pp. incl. figs. (Lithopr) *
22. "(U) The Climate of Southeast Coastal China, July through December," June 1951, 14 pp. (Multi) (CONFIDENTIAL) (ATI-179017) *
23. "(U) The Climate of Southeast Coastal China, January through June," February 1952, 16 pp. (Multi) (CONFIDENTIAL) (ATI-179018) *
24. "Manual on Upper-Air Observations," Chapt. 3, "Rawin Transmitter (Model CMO-W 49) and Method of Handling It," by T. Matsushima, Central Met. Obs., Tokyo, 1951. Transl. by 2143d AWW, November 1952, 61 pp. (Typescr) (AD-181804) *
25. "A Graphic Method of Constructing 5-Day Mean Constant-Pressure Charts," January 1953, 13 pp. (Typescr) *

Wing Letters:

26. 55-7, "Typhoon Warning Service, SOP," 2 May 1949, 56 pp. (Mimeogr) *
27. 55-10, "Typhoon Warning Service, SOP," March 1952, 32 pp. (Multi) *
28. 55-107, "Typhoon Warning Service, SOP," March 1950, 38 pp. (Multi) *
29. 55-107, "Typhoon Warning Service, SOP," 1 May 1951, 38 pp. (Multi) *

2143d AIR WEATHER WING (Cont'd)Item No.Technical Letters:

- 30. #1, "The Values of Statistical Forecasting," June 1951.
- 31. #2, "Clouds in Aerology and Forecasting," July 1951.
- 32. #3, "Calculating a Correlation Coefficient," 28 July 1951.
- 33. #4, "The Code of Ethics," August 1951.
- 34. #5, "Local Forecasting Studies," September 1951.
- 35. #6, "Derivation of a Geostrophic Wind Formula; Rule of Thumb for Forecasting Cloud Bases," 15 December 1951, 4 pp.(Mimeogr) *
- 36. #7, "Condensed article: On High-Level Cyclones Originating in the Tropics," by C. E. Palmer, 15 February 1952, 5 pp.(Mimeogr) *
- 37. #8, "Analysis and Forecasting of Summer Weather Over and in the Neighborhood of South China," 15 March 1952, 9 pp. (Mimeogr)*
- 38. #9, "A Kinematic-Graphical Method for the 24-Hour Prognosis of the 500-mb Chart," by F. Defant, 15 May 1952, 7 pp. (Mimeogr) plus figs. *
- 39. #10, "The Compatibility of USAF and Japanese Radiosonde Observations," 4 November 1952, 7 pp. (Mimeogr) plus figs. *
- 40. #11, "Mame-Taifu or Midget Typhoon," by H. Arakawa, March 1953, 4 pp. (Mimeogr) *
- 41. Technical Bulletin, Vol. 1, No. 1, March 1949, 57 pp. (Multi) *
 - Contents:
 - "Seventh Pacific Science Congress," pp. 1-7.
 - "Aerial Weather Reconnaissance," by Major W. S. Barney, pp. 7-15.
 - "Tropical Cyclones of the Western North Pacific in 1947," by Capt M. P. Woodall, pp. 15-22.
 - "Rainfall Distribution Over the Pacific Ocean," by T. Sekiguchi, CMO, pp. 23-32.
 - "Advection Fogs Over the Oyashio," by Yoshiko Takahashi, CMO, pp. 32-43.
 - "Why Terminal Forecast Group?" pp. 44-47.
 - "Rawinsonde Monthly Efficiency Index," by Major W. S. Barney, pp. 47-48.

2143d AIR WEATHER WING (Cont'd)Item No.

42. Technical Bulletin, Vol. 1, no. 2, June 1949, 85 pp. (Multi) *
Contents:
"Notes on Tropical Meteorology," by Dr. C. E. Palmer and
Capt H. W. Elsaesser, pp. 1-49.
"Why be Accurate in Observing?" by Lt K. D. O'Bryen, pp. 50-54.
"Statistics for Technical Reports," by Capt R. F. Sullivan and
Capt G. L. Lynde, pp. 54-85.
43. Technical Bulletin, Vol. 1, No. 3, September 1949, 57 pp. (Multi) *
Contents:
"Radiological Defense," by Major R. M. Fenn, pp. 1-30.
"Artificial Production of Rain," by E. B. Kraus and P. Squires,
pp. 30-38.
"Why Theoretical Meteorology?" by Lt K. D. O'Bryen, pp. 38-39.
"Graphic Presentation," by Capt R. F. Sullivan and Capt G. L. Lynde,
pp. 40-57.
"Typhoon Slide Rule," by Dr. K. Takahashi, between pp. 28-29.
44. Technical Bulletin, Vol. 1, No. 4, December 1949, 73 pp. (Multi) *
Contents:
"A Descriptive Climatological Study of Eastern Asia and the Northwest
Pacific Area," by Capt W. H. Best, pp. 1-58, plus 56 charts.
"Preliminary Report on the Easterly Wave Project," by 1/Lt A. Bruch
and WOJG D. A. Morgan, pp. 59-70.
"Why Verification?" by Major C. A. Spohn, pp. 71-72.
"Challenge," p. 73.
45. Technical Bulletin, Vol. 1, No. 5, March 1950, 73 pp. (Multi) *
Contents:
"Some Quantitative Aspects of Fixing and Forecasting Tropical
Cyclones in the Northwest Pacific Ocean," by Capt W. H. Best,
pp. 1-29.
"A Comparison of Monthly Mean Surface Pressure Charts Over the
Eurasia-Pacific Area," by Capt W. H. Best, pp. 30-50.
"Flight Time Analysis and Wind Verification," by Capt W. E. Pedigo
and 1/Lt M. W. Burton, pp. 51-53.
"Minimal Flight Planning," by Capt W. E. Pedigo and 1/Lt M. W. Burton,
pp. 54-56.
"Jet Stream Considerations," by Research Section, PAA, San Francisco,
pp. 57-71.
"Single Heading Flight," by Major L. D. Connally, pp. 72-73.

2143d AIR WEATHER WING (Cont'd)Item No.

46. Technical Bulletin, Vol. 1, No. 6, March 1951, 74 pp. (Multi) *
- Contents:
- "Jet Stream Analysis," by Capt C. L. Ball, pp. 1-15.
 - "Movement of Tropical Cyclones in the Pacific," by Capt J. D. Horn, pp. 16-21.
 - "The Duties and Responsibilities of a Station Chief," by Major R. F. Neeley, pp. 22-28.
 - "Photo Recording the Typhoon," by Lt C. T. Pamp, pp. 29-38.
 - "Manpower," pp. 29-62.
 - "Flight Following and the 'D' Chart," by Capt J. R. Evans, pp. 63-74, plus charts.
47. Technical Bulletin, Vol. 1, No. 7, June 1951, 53 pp. (Multi) *
- Contents:
- "The Physical Cause of the Jet Stream in the Japanese Area," by Colonel J. J. Jones, pp. 4-21.
 - "A Sampling of the Synoptic Climatology of Springtime Tokyo," by Lt N. Medrud, pp. 22-30.
 - "Vulture George Reconnaissance Track," by Capt H. R. Montague, pp. 31-35.
 - "A Brief Report on the Effect of Tropical Disturbances in the Korea Operational Area," by Capt L. A. Gray, pp. 36-42.
 - "A Discussion of Application of the James Energy Ratio to Typhoon Forecasting and Analysis," by WOJG D. A. Morgan, pp. 43-46.
 - "Fog in Korea and Adjacent Sea Areas," by Bunji Tanaka, pp. 47-50.
48. Technical Bulletin, No. 8, January 1952, 57 pp. (Multi) *
- Contents:
- "Notes on Weather Forecasting for Aircraft from 1937-1950," by Colonel T. S. Moorman, pp. 1-2.
 - "Note on the Influence of Temperature in the Reduction of Station Pressure Under a Strong Temperature Inversion," by Major R. D. Chrysler, pp. 3-5.
 - "A Comparison Between the Buzzard King Winds and Taegu Rawins," by T/Sgt R. F. Patton, p. 6.
 - "A Graphical Method of Standard Pressure Surface Height Determination From Aircraft Reports," by Bunji Tanaka, pp. 7-12.
 - "Weather Briefing of Jet Fighter Pilots," by Capt R. C. Griffith, pp. 13-17.
 - "Equivalent Potential Temperature as a Measure of Atmospheric Stability," by Lt Colonel J. J. Jones, pp. 18-22.
 - "The Relationship Between Weather Reconnaissance Reports and the Next Day's Weather Over Korea," by Lt D. A. Morgan, pp. 23-27.
 - "The Arctic Front in the Far East," by Members of Tokyo Weather Central, pp. 28-57.

2143d AIR WEATHER WING (Cont'd)15th WEATHER SQUADRON, DET 2, ANDERSEN AFB, GUAM (1949-1953)Item No.

49. "Operational Report of the North Pacific Typhoon Warning Service," prepared by Typhoon Post Analysis Board. (Part of contents published as AWS TR 105-43, August 1951. (ATI-134899) *
50. "Report on the Use of Ground Radar for Typhoon Detection and Forecasting," by Foy L. Shoemate, 1949, 6 pp. (Typescr) plus photos of Typhoon 'Gloria'. *
51. "Movement of Tropical Cyclones in the Pacific," by J. D. Horn, 1950, 3 pp. (Mimeogr) plus diagrams of Typhoon 'Doris' and 'Allyn'. *
52. "Conference on the Easterly Wave Program," 14 February 1950, 12 pp. (Typescr) *
53. 1949 Annual Report, "Forecasting Typhoon of 1949 With Special Reference to the Use of Streamline Analysis," published as AWS TR 105-78, August 1951. (ATI-114511) *
54. 1950 Annual Report, "Typhoon Post Analysis Program," prepared by the Typhoon Post Analysis Board, 1951, 159 pp. (Mimeogr) plus graphs, charts, figs., published as AWS TR 105-124. (AD-38469) *
55. 1951 Annual Report, "Typhoon Post Analysis Center," prepared by the Typhoon Post Analysis Board, 1952, 124 pp. (Mimeogr) plus graphs, charts, published as AWS TR 105-125, August 1954. (AD-38468) *
56. 1952 Annual Report, "The Easterly Wave Program," by Stanley J. Kimball, 8 pp. (Mimeogr) *
57. "Progress Reports on the Easterly Wave Program," prepared by Typhoon Post Analysis Board: *
 - April 1950, 6 pp. (Mimeogr)
 - June 1950, 4 pp. (Mimeogr) plus chart.
 - Aug 1950, 2 pp. (Mimeogr) plus charts.
 - Sep 1950, 5 pp. (Mimeogr) plus charts.
 - Oct 1950, 3 pp. (Mimeogr) plus charts.
 - Nov 1950, 3 pp. (Mimeogr) plus charts.
 - Dec 1950, 3 pp. (Mimeogr) plus charts.
 - Jan 1951, 4 pp. (Mimeogr) plus charts.
 - Feb 1951, 3 pp. (Mimeogr) plus charts.
 - Mar 1951, 2 pp. (Mimeogr) plus chart.
 - May 1951, 2 pp. (Mimeogr) plus chart.
 - Jun 1951, 2 pp. (Mimeogr) plus chart.
 - Jul 1951, 2 pp. (Mimeogr) plus chart.
 - Aug 1951, 2 pp. (Mimeogr) plus chart.
 - Sep 1951, 3 pp. (Mimeogr) plus chart.
 - Oct 1951, 3 pp. (Mimeogr) plus chart.
 - Dec 1951, 3 pp. (Mimeogr) plus charts.

2143d AIR WEATHER WING (Cont'd)15th WEATHER SQUADRON, DET 2, ANDERSEN AFB, GUAM (Cont'd)Item No.

57. "Progress Reports on the Easterly Wave Program" (Cont'd)
Jan 1952, 5 pp. (Mimeogr) plus fig.
Feb 1952, 4 pp. (Mimeogr) plus fig.
Mar 1952, 7 pp. (Mimeogr) plus fig.
Apr 1952, 5 pp. (Mimeogr) plus fig.
May 1952, 5 pp. (Mimeogr) incl. figs.
Jul 1952, 5 pp. (Mimeogr) incl. figs.
58. "Fifth Annual Report of the Typhoon Post Analysis Board," 1953,
81 pp. (Mimeogr)
"Consolidated Reports on Tropical Cyclones," prepared by the
Typhoon Post Analysis Board:
59. "Judith, August 12-16, 1949," 104 pp. (Mimeogr) incl. charts and
radarscope photos. *
60. "Lise, September 1949," 64 pp. (Typescr and Mimeogr) incl. charts.*
61. "Madeline, September 1949," 41 pp. (Typescr and Mimeogr) incl.
charts. *
62. "Nelly, September 1949," 46 pp. (Mimeogr) incl. charts. *
63. "Omelia, October 1949," 49 pp. (Mimeogr) incl. charts. *
64. "Patricia, October 1949," 68 pp. (Mimeogr) incl. charts. *
65. "Rena, November 1949," 37 pp. (Mimeogr)
66. "Allyn, November 14-24, 1949," 189 pp. (Mimeogr) incl. charts and
radarscope photos. *
67. "Betty, December 3-5, 1949," 34 pp. (Mimeogr) incl. charts. *
68. "Camilla, December 9-13, 1949," 46 pp. (Mimeogr) incl. charts. *
69. "Doris, May 7-18, 1950," 118 pp. (Mimeogr) incl. charts. *
70. "Elsie, June 1950," 33 pp. (Mimeogr) incl. charts. *
71. "Flossie and Grace, July 1950," 95 pp. (Mimeogr)
72. "Helene, July 1950," 49 pp. (Mimeogr) incl. charts. *
73. "Ida, August 1950," 96 pp. (Mimeogr) incl. charts. *

2143d AIR WEATHER WING (Cont'd)15th WEATHER SQUADRON, DET 2, ANDERSEN AFB, GUAM (Cont'd)Item No."Consolidated Reports on Tropical Cyclones" (Cont'd):

- 74. "Jane, Aug-Sep 1950," 81 pp. (Mimeogr) incl. charts. *
- 75. "Kezia, September 1950," 113 pp. (Mimeogr) incl. charts. *
- 76. "Lucretia, Nancy, and Missatha, September 1950," 75 pp. (Mimeogr) incl. charts. *
- 77. "Ossia, October 1950," 54 pp. (Mimeogr) incl. charts. *
- 78. "Petie, October 1950," 69 pp. (Mimeogr) incl. charts. *
- 79. "Ruby and Anita, October 1950," 53 pp. (Mimeogr) incl. charts. *

"Consolidated Reports on Tropical Cyclones," prepared by the Typhoon Post Analysis Board:

- 80. "Salome, August 1950," 44 pp. (Mimeogr) incl. charts. *
- 81. "Billie and Clara, November 1950," 140 pp. (Mimeogr) incl. charts.*
- 82. "Delilah, November 1950," 26 pp. (Mimeogr) incl. charts. *
- 83. "Fran, Dec 1950 - Jan 1951," 29 pp. (Mimeogr) incl. charts. *

"Reports on Tropical Cyclones," prepared by the Typhoon Post Analysis Board:

- 84. "Georgia, March 1951," 96 pp. (Mimeogr)
- 85. "Hope, April 1951," 44 pp. (Mimeogr)
- 86. "Iris, April-May 1951," 18 pp. (Mimeogr)
- 87. "Joan, May 1951," 9 pp. (Mimeogr)
- 88. "Kate, July 1951," 10 pp. (Mimeogr)
- 89. "Louise, August 1951," 11 pp. (Mimeogr)
- 90. "Marge, August 1951," 31 pp. (Mimeogr)
- 91. "Nora, September 1951," 13 pp. (Mimeogr)
- 92. "Ora, September 1951," 10 pp. (Mimeogr)

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2143d AIR WEATHER WING (Cont'd)

15th WEATHER SQUADRON, DET 2, ANDERSEN AFB, GUAM (Cont'd)

Item No.

"Reports on Tropical Cyclones" (Cont'd):

93. "Pat, September 1951," 12 pp. (Mimeogr)
94. "Ruth, October 1951," 11 pp. (Mimeogr)
95. "Sarah, October 1951," 10 pp. (Mimeogr)
96. "(U) Ruth, 13-14 October 1951," 3 pp. (Typescr) (SECRET) *
97. "Thelma and Vera, October 1951," 13 pp. (Mimeogr)
98. "Wanda, November 1951," 12 pp. (Mimeogr)
99. "Amy, December 1951," 20 pp. (Mimeogr)
100. "Babs, December 1951," 13 pp. (Mimeogr)
101. "Charlotte, June 1952," 14 pp. (Mimeogr)
102. "Dinah, June 1952," 13 pp. (Mimeogr)
103. "Emma, July 1952," 13 pp. (Mimeogr)
104. "Freda, July 1952," 6 pp. (Mimeogr)
105. "Gilda, July 1952," 4 pp. (Mimeogr)
106. "Harriet, July 1952," 8 pp. (Mimeogr)
107. "Ivy and Jeanne, August 1952," 16 pp. (Mimeogr)
108. "Karen, August 1952," 11 pp. (Mimeogr)
109. "Lois, August 1952," 5 pp. (Mimeogr)
110. "Mary, September 1952," 9 pp. (Mimeogr)
111. "Nona, September 1952," 23 pp. (Mimeogr)
112. "Olive, September 1952," 22 pp. (Mimeogr) incl. charts. *
113. "Polly, October 1952," 8 pp. (Mimeogr)
114. "Rose, October 1952," 12 pp. (Mimeogr)
115. "Shirley, October 1952," 3 pp. (Mimeogr)
116. "Trix, October 1952," 10 pp. (Mimeogr)

2143d AIR WEATHER WING (Cont'd)15th WEATHER SQUADRON, DET 2, ANDERSEN AFB, GUAM (Cont'd)Item No."Reports on Tropical Cyclones" (Cont'd):

- 117. "Vae, October 1952," 4 pp. (Mimeogr)
- 118. "Wilma, October 1952," 12 pp. (Mimeogr)
- 119. "Agnes, October 1952," 11 pp. (Mimeogr)
- 120. "Bess, November 1952," 10 pp. (Mimeogr)
- 121. Narrative Summary: "Carmen, 20 November 1952," 1 p. (Typescr)
plus chart, 26 radarscope photos. *
- 122. "Della, November 1952," 8 pp. (Mimeogr)
- 123. "Elaine and Faye, December 1952," 9 pp. (Mimeogr)
- 124. "Gloria, December 1952," 10 pp. (Mimeogr)
- 125. "Hester, January 1953," 17 pp.

15th WEATHER SQUADRON, DET 1, CLARK AFB, LUZONItem No.

- 126. "Narrative History of Typhoon 'Della' June 18-19, 1949," 16 pp.
(Typescr) plus charts. *
- 127. "Narrative History of Tropical Storm 'Elaine' July 8-9, 1949,"
21 pp. (Typescr) plus charts. *
- 128. "Report on Tropical Cyclone 'Gloria' July 20-21, 1949," 32 pp.
(Typescr) plus charts. *
- 129. "Tropical Cyclone 'Irma' July 26-29, 1949," 22 pp. (Typescr)
plus charts. *
- 130. "Narrative History of Typhoon 'Judith' August 12-13, 1949," 37 pp.
(Typescr) plus charts. *
- 131. "Narrative History of Typhoon 'Omelia' October 2-3, 1949," 77 pp.
(Typescr) plus charts. *
- 132. "Narrative History of Typhoon 'Patricia' October 25-29, 1949,"
(Typescr) plus charts. *
- 133. "Typhoons Faye and Gloria, An Analysis of the Radius of High Winds
of Typhoons," prepared from data collected at Naha Weather Stations
1949, 66 pp. (Ditto)

2143d AIR WEATHER WING (Cont'd)

20th WEATHER SQUADRON (Jan 1949-Feb 1953)

Item No.

- 134. "Observers Course for Forecasters," August 1949, 31 pp. (Mimeogr) *
- 135. "Flight Following by D Charts," by Major R. F. Hunt, January 1950, 7 pp. (Typescr) *
- 136. "Rawinsonde Operator Refresher Course," January 1950, 21 pp. (Mimeogr)*
- 137. "Computing the Probable Height of Rawin Termination Due to Low Angle," by Capt F. N. Mortensen, February 1950, 5 pp. (Typescr) plus graphs. *
- 138. "A Report on a Device for the Intra-Base Transmission of Weather Data," by Major Theodore H. Broman, 1953, 5 pp. (Typescr) *

30th WEATHER SQUADRON (Jan 1949-Nov 1949)

Item No.

- 139. "Tropical Cyclone 'Faye' July 1949," prepared by North Guam Weather Central, 58 pp. (Typescr)
- 140. "Tropical Cyclone 'Hester' July 1949, prepared by North Guam Weather Central, 49 pp. (Typescr)
- 141. "Tropical Cyclone 'Kitty' August 1949, 47 pp. (Typescr)

31st WEATHER SQUADRON (Jan 1949-May 1952)

Item No.

- 142. "Climatic Survey of Selected Terminals and Air Routes in the Western Pacific and Indian Ocean Areas," 1950, 111 pp. (Typescr) plus figs. *
- 143. "History of the Typhoon 'Georgia'," 1951, 5 pp. (Mimeogr) plus chart.*
- 144. "Typhoon 'Joan'," prepared by Eniwetok Weather Central, Task Unit, May 1951, 4 pp. (Mimeogr) plus figs. *

2143d AIR WEATHER WING (Cont'd)

514th RECONNAISSANCE SQUADRON (VLR) WEATHER (Jan 1949-Feb 1951)

Item No.

- 145. "Tropical Weather Reconnaissance," 1 June 1949, 38 pp. (Multi) *
(AD-235434)
- 146. "July Storms," 1949, 88 pp. (Typescr)
- 147. "August Storms," 1949, 41 pp. (Typescr) charts, radarscope photos. *
- 148. "Typhoon," by Capt D. B. Dockstader, published in Flying Safety Magazine, October 1949, 3 pp. *

512th RECONNAISSANCE SQUADRON (VLR) WEATHER (Jan 1950-Feb 1951)

- 149. "Composite Weather Summary: Digest of Aerial Weather Observations Made in Direct Support of United Nations Forces in Korea, 26 June - 31 October 1950," 19 November 1950, 26 pp. plus map. (Mimeogr) *

LIST OF 2043d WEATHER WING PUBLICATIONS (Oct 1948-Jan 1949)
(Formerly 43d WWg)

2043d WEATHER WING

20th WEATHER SQUADRON

Item No.

1. "A Study of Korean Weather," by A. E. Zagrzebski, circa November 1948, 22 pp. incl. charts. (Typescr) *
2. "The Technique of Lapse Rate Analysis," by WOJG A. W. Weston, December 1948, 22 pp. plus figs. (Multi) *

514th RECONNAISSANCE SQUADRON (VLR) WEATHER

Item No.

3. "Typhoon Reconnaissance Report Vulture 'Beverly'," December 1948, charts.

LIST OF 43d WEATHER WING PUBLICATIONS (Sep 1945-Oct 1948)

43d WEATHER WINGItem No.

1. "Index Numbers and Locations of Meteorological Observing Stations in the Pacific and Adjacent Areas," 1946, 200 pp. (Mimeogr) plus maps.*
2. "Japanese Balloon Bombing Report," 4 May 1946, 9 pp. (Photostat) *
3. "Report on Typhoon 'Bernida', May 1947," 14 pp. (Typescr) plus charts.*
4. "Tropical Cyclone 'Carol' June 1947," prepared by Nichols and Kadena Sub-Center, 12 pp. (Typescr) plus charts. *
5. "Tropical Cyclone 'Donna' July 1947," prepared by Kadena and Haneda Center, 4 pp. (Typescr) plus charts. *
6. "Consolidated Report on Tropical Cyclone 'Flora' November 1947," prepared from Sub-Center reports submitted by Clark Field, Kiangwan, and Kadena, and from information on file at the Harmon Weather Central, 12 pp. (Typescr) plus map, charts. *
7. "Tropical Cyclone 'Gwen' August 1947," prepared by Kadena and Haneda Weather Central, 9 pp. (Typescr) plus charts. *
8. "Tropical Cyclone 'Helena' August 1947," prepared by Clark Field Sub-Center, 12 pp. (Typescr) plus charts. *
9. "Tropical Cyclone 'Inez' August 1947," prepared by Clark and Kadena Sub-Center, 12 pp. (Typescr) plus charts. *
10. "Tropical Storm 'Joyce' September 1947," prepared by Guam, Clark and Haneda Centers, 7 pp. (Typescr) plus charts. *
11. "Tropical Cyclone 'Kathleen' September 1947," prepared by Guam and Haneda Center, 21 pp. (Typescr) plus charts. *
12. "Tropical Cyclone 'Laura' September 1947," prepared by Guam and Haneda Center, 16 pp. (Typescr) plus charts. *
13. "Consolidated Narrative History on Typhoon 'Mildred' September 1947," by Harmon Weather Central, 9 pp. (Typescr) plus charts. *
14. "Consolidated Narrative History on Typhoon 'Nanette' Sep-Oct 1947," prepared by Harmon Weather Central, 10 pp. (Typescr) plus maps, charts. *
15. "Consolidated Report on Tropical Cyclone 'Rosalind' October 1947," prepared from Sub-Center report submitted by Haneda Weather Central and information on file at the Harmon Weather Central, 24 pp. (Typescr) plus charts. *

43d WEATHER WING (Cont'd)

Item No.

16. "Report on Post Analysis of Typhoons in the Western North Pacific, 1947," published as AWS TR 105-42, July 1949. (ATI-63797) *

15th WEATHER SQUADRON (Dec 1945-Oct 1948)

Item No.

17. "Report on Typhoon 'Dolly', 17-24 June 1946," prepared by 15-90th AAF Weather Station, 12 pp. (Typescr) plus charts. *
18. "Report on Tropical Storm 'Elinor', 23-25 June 1946," prepared by 15-90th AAF Weather Station, 4 pp. (Typescr) plus charts. *
19. "Narrative Report on Typhoon Reconnaissance," prepared by 15-91st AAF Weather Station, 22 June 1946, 3 pp. (Typescr) *

30th WEATHER SQUADRON (Dec 1945-Oct 1948)

Item No.

20. "Consolidated Report on Typhoons," by Det 7-43, Guam: *
Contents:
"Dolly, 17-20 June 1946," (Typescr) plus charts.
"Ginny, 30 June - 3 July 1946," 7 pp. (Typescr) plus charts.
"Ingrid, 12-16 July 1946," 13 pp. (Typescr) plus charts.
"Janie, 23-30 July 1946," 17 pp. (Typescr) plus charts.
"Lilly, 12-19 August 1946," 16 pp. (Typescr) plus charts.
"Opal, 7-12 September 1946," 14 pp. (Typescr) plus charts.
"Priscilla, 10-14 September 1946," 16 pp. (Typescr) plus charts.
"Querida, 18-25 September 1946," 27 pp. (Typescr) plus charts.
"Surface Weather Observations," 20-22 September 1946.
21. "Report on Typhoon 'Barbara' 27 March - 6 April 1946," 55 pp. (Typescr) plus charts. *
22. "Report on Typhoon 'Charlotte' 11-17 May 1946," 20 pp. (Typescr) plus charts. *

31st WEATHER SQUADRON (Dec 1945-Oct 1948)

Item No.

23. "The Weather Research Program at Hickam Field, January through July 1947," prepared by Charles K. Stidd, 10 pp. (Mimeogr) plus figs. *

LIST OF FAR EAST AIR FORCE WEATHER GROUP (PROV) PUBLICATIONS
(25 Oct 1944 - 20 Sep 1945)

FEAF WEATHER GROUP

Item No.

1. "Weather and Radar Coverage," 1945, 12 pp. (Lithopr) *

FEAF, WEATHER CENTRAL

Item No.

2. "A Study of Several Typhoons in the West Pacific," by Capt K. P. Kidd and Capt C. K. Reed, April 1945, 11 pp. plus charts, published in Bull. Amer. Met. Soc., Vol. 27, No. 5, May 1946, pp. 232-242. *
3. "Typhoons of the Southwest Pacific-1945," by Capt K. P. Kidd and Capt C. K. Reed, April 1945, 26 pp. (Typescr) plus charts, published in Bull. Amer. Met. Soc., Vol. 27, No. 6, June 1946, pp. 288-305. *
4. "A Study of the Magnitude of Upper-Level Diurnal Temperature Variations," 9 July 1945, 2 pp. (Photostat) plus charts. *
5. "Reports of the Special Weather Recons," 7 July 1945, 3 pp. (Typescr) plus charts. *
6. Comments by H. Riehl on:
"Typhoon Opal (July 1945)."
"Typhoon Tess (Aug 1945)."
"Typhoon Jean (Sep 1945)."
"Typhoon Ursula (Sep 1945)."
"Storm Verna (Sep 1945)."
"Storm Wanda (Sep 1945)." 2 pp. (Typescr) *
Comments by H. Riehl on:
7. "Typhoon Helen (Aug-Sep 1945)."
"Depression Xenia (Oct 1945)."
"Storm Marge (Nov 1945)."
"Storm Yvonne (Nov 1945)." 1 p. (Typescr) *

22nd AAF Weather Station (FEAF Weather Central)

Item No.

8. "Typhoon 'Helen' 20 Aug - 4 Sep 1945," 21 pp. (Typescr) plus charts.*
9. "Typhoon 'Verna' 20-22 Sep 1945," 5 pp. (Typescr) plus charts. *
10. "Typhoon 'Marge' 1-4 Nov 1945," 14 pp. (Typescr) plus chart. *

FEAF WEATHER GROUP (Cont'd)2d AAF WEATHER STATION (FEAF Weather Central)Item No.

11. "Depression Mary, 29 Jun - 2 Jul 1945," 4 pp. (Mimeogr) plus charts.*
Comments by C. E. Deppermann attached.
12. "Storm Nancy, 5-8 July 1945," 7 pp. (Typescr) charts. *
Comments by C. E. Deppermann attached.
13. "Typhoon 'Opal' July 1945," 20 pp. plus charts. *
14. Comments by C. E. Deppermann on Typhoon 'Eva' 28 Jul - 3 Aug 1945,"
2 pp. (Typescr) *
15. "The South China Sea Typhoon 'Tess' 23-25 Aug 1945," 7 pp. (Typescr)
plus chart. *
16. "Typhoons V-J Sisters: 'Ruth' and 'Susan' August 1945," 32 pp.
(Typescr) plus charts. *
17. "Typhoon 'Queenie' August 1945," by C. E. Deppermann, 2 pp.
(Typescr) *
18. "Typhoon 'Ursula' 6-12 September 1945," 19 pp. (Typescr) plus
charts. *
19. "Typhoon 'Wanda' 20-24 September 1945," 7 pp. (Typescr) plus chart.*
20. "Typhoon 'Jean' 26 Sep - 1 Oct 1945," 17 pp. (Typescr) plus charts. *
21. "Typhoon 'Xenia' 12-15 October 1945," 4 pp. (Typescr) plus charts. *
22. "Typhoon 'Yvonne' 14-17 November 1945," 5 pp. (Typescr) plus chart.*
23. "Typhoon 'Nora' 21-29 November 1945," 18 pp. (Typescr) plus charts.*
24. "A Proposed Method of Forecasting the Motion of Tropical Cyclones,"
by Major R. L. Moore, 1 Sep 1945, 14 pp. (Ditto) *
25. "Further Notes on Forecasting the Motion of Tropical Cyclones," by
Major R. L. Moore, 28 October 1945, 8 pp. (Typescr) plus charts.*
(This and item #24 published in Bull. Amer. Met. Soc., Vol. 27,
No. 7, Sep 1946, pp. 410-415)

LIST OF 2nd WEATHER WING PUBLICATIONS (Feb 1954-)
(Formerly 2058th AWW)

2nd WEATHER WING

2WWg Manual 105-5, "Forecasters' Manual." Contents:

Forecasters' Bulletins:

- #A-1, "Autumn Flying Weather in the USAFE Operating Area," August 1956, 4 pp. (Mimeogr) (AD-126666) *
- #A-2, "Some Aspects of the Winter Forecast Problem in Europe," September 1956, 7 pp. (Mimeogr) plus figs. (AD-126667) *
- #A-3, "The Mountain Wave," December 1956, 6 pp. (Multi) (AD-126668) *
- #A-4, "Spring Forecasting in the 2nd Weather Wing Area," February 1957, 6 pp. (Mimeogr) * (AD-128476)
- #A-5, "The Summer Forecast Problem," April 1957, 5 pp. (Mimeogr) (AD-128984) *
- #A-6, "In-Station Use of Machine-Processed Data Summaries — Part A and B," (2WWM 105-5) September 1957, 4 pp. (Mimeogr) (AD-143028) *
- #A-7, "In-Station Use of Machine-Processed Summaries — Part C: Flying Weather Wind Rose," (2WWM 105-5) December 1957, 3 pp. (Mimeogr) (AD-150121) *
- #A-8, "In-Station Utilization of Part 'D' Uniform Summary of Surface Weather Observations," December 1957, 5 pp. illus. (AD-147763) * (Mimeogr)
- #A-9, "Some Notes on Forecasting Fog in Europe," January 1960, 8 pp. (Multi) (AD-233420/AD-234205) *

2nd WEATHER WING (Cont'd)ZWWg Manual 105-5, "Forecasters' Manual." Contents:Forecasters' Bulletins:

- #B-1, "The Defant Extrapolation Technique," January 1957, 6 pp. (Mimeogr) (AD-126669) *
- #B-2, "Grid Method for Forecasting Displacement of 500-mb Lows," May 1957, 3 pp. (Mimeogr) plus figs. (AD-147871) *
- #B-3, "Nomograms for Obtaining 200-mb Heights From Lower-Level Data," June 1957, 5 pp. plus figs. (Multi) (AD-140657) *
- #B-4, "Two Graphical Methods for Preparing 1000-mb Progs," July 1957, 5 pp. plus Appendix 1. (Multi) (AD-146108) *
- #B-5, "Determination of Wind Aloft," July 1957, 3 pp. (Mimeogr) plus figs. (AD-147872) *
- #B-5 (Rev), "High Level Wind Forecasting From the 300-mb Chart," May 1958, 6 pp. plus figs. (Multi) (AD-161659) *
- #B-6, "Isotherm Analysis at 300 mb and 200 mb," July 1957, 3 pp. (Mimeogr) plus figs. (AD-147873) *
- #B-7, "Isotach Analysis on Upper-Level Charts," July 1957, 4 pp. (Mimeogr) plus figs. (AD-147875) *
- #B-8, "Determination of D-Value at Altitude," July 1957, 2 pp. (Mimeogr) plus figs. (AD-144677) *
- #B-9, "A 700-mb Prog by Graphical Interpolation," August 1957, 3 pp. (Mimeogr) plus fig. (AD-147876) *
- #B-10, "Techniques for Improving Wind Analysis in the Region of the Jet Stream," December 1957, 6 pp. (Mimeogr) plus figs. (AD-147761) *

2nd WEATHER WING (Cont'd)2WWg Manual 105-5, "Forecasters' Manual." Contents:Forecasters' Bulletins:

- #C-1, "Operational Weather Charts — A Tool for Meteorological Watch, Briefing and Short-Period Forecasting," October 1956, 4 pp. (Mimeogr) (AD-126732) * #C-1, Revised Sep 1959, 4 pp. (Multi) *
- #C-2, "An Objective Method for Forecasting Critical Terminal Visibility at Orly Field, France," December 1956, 8 pp. incl. figs. (Mimeogr) (AD-121892) *
- #C-3, "The Use of Nephanalysis in Meteorological Watch and Short-Period Forecasting of Middle and High Cloud," February 1957, 6 pp. plus figs. (Multi) (AD-126733) *
- #C-4, "Meteorological Watch and Short-Period Forecasting of Frontal Precipitation," February 1957, 5 pp. (Mimeogr) plus figs. (AD-126734) *
- #C-5, "Forecasting Ceilings in Continuous Rain," March 1957, 7 pp. (Mimeogr) plus figs. (AD-126735) *
- #C-6, "An Overlay for Forecasting the Size of Hail at the Ground," August 1957, 3 pp. (Multi) * (This bulletin supersedes 2WW Forecasters' Bulletin #C-6, dated March 1957) (AD-128477)
- #C-7, "Estimating Cirrus Heights From Soundings," April 1957, 4 pp. (Mimeogr) (AD-128983) *
- #C-8, "Freezing Weather Charts," April 1957, 4 pp. (Mimeogr) (AD-136910) *
- #C-9, "Objective Method for Forecasting Fog at Upper Heyford," August 1957, 6 pp. (Multi) (AD-139395) *
- #C-10, "An Objective Method for Steering Surface Lows," September 1957, 3 pp. (Mimeogr) plus figs. (AD-144145) *
- #C-11, "An Application of Jet-Stream Models to Atmospheric Cross-Sections," December 1957, 5 pp. (Mimeogr) plus figs. (AD-147762/AD-211816) *
- #C-12, "A Stability Analysis for Forecasting Thunderstorms," April 1958, 6 pp. (Multi) (AD-161658) *
- #C-13, "A Cirrus Forecasting Worksheet," June 1959, 2 pp. (Multi) (AD-248996) * Revised March 1961, 6 pp. (Multi) * (AD-252903)
- #C-14, "Forecasting Aircraft Icing for Long-Distance Flights," January 1959, 5 pp. (Multi) plus figs. (AD-711721)
- #C-15, "Forecasting 400 mb Winds from 500 mb Prog Charts," March 1960, 10 pp. (Multi) (AD-235870) *

2nd WEATHER WING (Cont'd)

2nd Wg Manual 105-5, "Forecasters' Manual." Contents:

Forecasters' Bulletins:

- #D-1, "Selecting RAOBS to be Plotted," June 1957, 2 pp. (Mimeogr) plus fig. (AD-147874) *
- #E-1, "Sudden Wintertime Weather Deteriorations at Manston, England," January 1957, 6 pp. incl. illus. tables. (AD-126736) *
- #E-2, "A Nomogram for Computing the Crosswind Contribution to the Wind Factor," March 1957, 3 pp. (Multi) (AD-241059) *
- #E-3, "Nomograms for Reducing Reported Pressure to Sea Level," by H. Appleman, April 1958, 10 pp. (Multi) (AD-248997) *
- #E-5, "Forecasting Altimeter Settings From Available Synoptic Data," April 1959, 4 pp. (Multi) plus nomograms. (AD-219229) *
- #E-5, (Addendum), "Forecasting Altimeter Settings From Available Synoptic Data," July 1959, 3 pp. (Multi) plus nomograms. (AD-219229) *

2nd WEATHER WING (Cont'd)Special Summaries (Climatological):

- #1, "Mannheim Surface Wind Data," July 1954 (Ozalid)
- #2, "Intense Precipitation Data, Germany," February 1955. (Ozalid)
- #3, "Limburg Wind Roses," September 1954. (Ozalid)
- #4, "Maximum and Minimum Monthly and Annual Precipitation Amounts in Austria," November 1954. (Ozalid)
- #5, "Wetterkarten Index," circa 1954, 30 pp. (Typescr) *
- #6, "Daily Snowdepths at Five Locations in the Rheinland Pfalz Region of Germany," August 1956. (Ozalid)
- #7, "Contrail Probability Catalogue," November 1954, 65 pp. (Ozalid) *
- #8, "General Climatic Data for Spain," December 1955, 94 pp. incl. illus., tables. (Ozalid) *
- #9, "Time Variation of VFR," February 1956, 11 pp. plus tables. (Ozalid) *
- #10, "Application of USAF Runway Wind Computer," September 1954. (Ozalid)
[Obsolete]
- #11, "Format for Area Studies," December 1955. (Ozalid)
- #12, "The Estimation of the Mean Number of Degree Days per Month," January 1956, 14 pp. (Mimeogr) *
- #13, "Relationship Between Temperature, Relative Humidity and Dew Point," August 1955, 2 pp. (Ozalid) *
- #14, "General Climatic Data for French Morocco," December 1955, 11 pp. (Ozalid) *
- #15, "Surface Baillie Wind Roses for Central European Stations," November 1955. (Ozalid)
- #16, "Upper Wind Distributions for Munich and Berlin, Germany," September 1955, 17 pp. (Ozalid) *
- #17, "Daily Snowdepths at Fifteen Locations in the Sauerland, Westerwald and Taunus Regions of Germany," circa 1955.
- #18, "A Method for Estimating the Frequency of VFR Weather From Independent Ceiling and Visibility Summaries," February 1956, 3 pp. (Ozalid) *
- #19, "Duration of Nautical Twilight," 4 graphs, May 1956. (Ozalid and photos) *

2nd WEATHER WING (Cont'd)

Special Summaries (Climatological) (Cont'd):

- #20, "Maximum Rainfall Intensity Duration Graphs."
- #21, "Distribution of Hourly Temperatures in Germany," September 1956.
- #24, "Daily Snow Depths at 21 Airfields in Germany," May 1957.
- #25, "Computation of 5-Day Temperature Normals in Western Europe and the Mediterranean," Report ZW-800, July 1957, 23 pp. (Ditto) plus figs. (AD-143029) *
- #26, "Daily Snow Depths at Stations Along the Eastern Border of West Germany," August 1957.

Item No.

- 1. Technical Bulletin, April 1954, 89 pp. (Multi) *
 - Contents:
 - "Profile Continuity Chart," pp. 1-7.
 - "Stability Chart Evaluation," pp. 8-14.
 - "Thunderstorm and Severe Weather Forecasting Within Detachments," pp. 15-23.
 - "Some Comments on Applied Climatology," pp. 24-27.
 - "Some Effects of Topography on Surface Wind Distribution," pp. 28-41.
 - "Electronic Devices as an Aid in the Preparation of Maps and Charts," pp. 42-53.
 - "Some Meteorological Aspects of Radar Coverage," pp. 54-60.
 - "Post-Analysis of an Unusual Weather Situation in French Morocco," pp. 61-67.
 - "Objective Forecast Study for Visibility at Wiesbaden Air Base," pp. 68-82.
 - "European Radiosonde Compatibility for May, June and July 1953," pp. 83-86.
 - "Temperature Measurement Errors at Jet Bases," pp. 87-89.
- 2. Technical Bulletin, December 1954, 62 pp. (Multi) *
 - Contents:
 - "Local Surface Winds," pp. 1-5.
 - "Estimation of Upper Level Winds," p. 6.
 - "On 'Sun' day Visibility," pp. 7-8.
 - "Central European Air Masses and Their Analysis," by Werner Doege, Det 31-4, Neubiberg, pp. 9-35.
 - "Recent Developments in Contrail Forecasting," by H. S. Appleman, pp. 36-47.
 - "A Particular Storm Situation in the Azores Area," by Det 29-4, Lajes, pp. 48-49.
 - "500 mb Chart Forecasting," p. 50.
 - "A Study of an Unstable Ridge," pp. 51-58.
 - "Geostrophic Displacement Scale," by 1/Lt Myron K. Cox, pp. 59-62.

2nd WEATHER WING (Cont'd)Item No.

3. Technical Bulletin, August 1955, 41 pp. (Multi) *
Contents:
"European Winter Flying Weather," pp. 1-8.
"Easterly Wind Aloft Over Europe," pp. 9-11.
"Some Aspects of Map Analysis," by Lt Colonel D. N. Morgan,
pp. 12-17.
"T-33 Take-Off Roll," by Capt R. C. Burriss, pp. 18-25.
"The Space-Time Continuity Diagram," by Capt W. D. Kleis, pp. 27-31.
"The Refractometer," by Major L. W. Cowan, pp. 33-35.
"Position and Strength of the Jet Stream Over Europe," pp. 36-41.
4. Technical Bulletin, February 1956, 36 pp. (Multi) (AD-97051) *
Contents:
"A Method for Forecasting Turbulence, Showers and Thunderstorms,"
by CWO F. P. Finnicum, pp. 2-4.
"18th Weather Squadron Systematic Procedure for Chart Prognosis at
Detachment Level," by Major J. C. Glover, pp. 5-12.
"Persistence Forecasting of Deepening and Filling," pp. 13-14.
"Validity of Ship Weather Reports," by Major M. F. Killory, pp. 15-17.
"The Operational Effect of Changing Weather Minimums," pp. 18-36.
5. Technical Bulletin, May 1956, 49 pp. incl. illus. tables (Multi)
(AD-128473) *
Contents:
"2nd Weather Wing Facsimile Program," pp. 1-25.
"18th Weather Squadron Systematic Procedure for Prognosis at the
Larger Detachment," by Major J. C. Glover, pp. 26-42.
"The Short-Range Forecasts (31st Wearon Seminar Topic)," pp. 43-45.
"Report on an Investigation of Thunderstorms, Instability Indices,
and Synoptic Patterns," pp. 46-47.
"Evaluation of AROWA Forecast Procedure for Predicting Deepening
and Filling of Cyclones," pp. 48-49.
6. Technical Bulletin, July 1956, Special Issue, Technical Conference
May 1956, Part I, 51 pp. (Multi) *
Contents:
"Technical Services Organization and Functions," pp. 3-17.
"Climatological Organization and Functions," pp. 18-32.
"Sectional Meeting - Climatological Services Facilities Utilized
by TSD," pp. 33-51.

2nd WEATHER WING (Cont'd)Item No.

7. Technical Bulletin, September 1956, Special Issue, Technical Conference May 1956, Part II, 108 pp. (Lithopr) (AD-126840) *
- Contents:
- "Opening Remarks," by Colonel J. T. Seaver, p. 2.
 - "Introduction to the Short-Range Forecast Problem," by Lt Colonel H. W. Comer, p. 3.
 - "Recovery of Tactical Jet Aircraft," by Lt Colonel C. E. Roache, Jr., pp. 4-9.
 - "The Short Range Terminal and Area Forecast," by Capt B. E. Finnicum, pp. 10-31.
 - "The Space-Time Continuity Diagram," by Capt W. D. Kleis, pp. 32-38.
 - "The Operational Use of Radar in Short-Range Forecasting," by 1/Lt D. Lufkin, pp. 39-41.
 - "A Weather Radar Reporting System," by Major L. W. Cowan, pp. 42-44.
 - "Nephanalysis and Short Range Forecasting," by Major E. S. Maykut, pp. 45-56.
 - "The Leeuwarden System," by Lt Colonel W. H. Best, pp. 57-60.
 - "Use and Development of Objective Aids," by Capt C. F. Roberts, pp. 61-65.
 - "The Wind Facsimile Program," by Lt Colonel W. H. Best, pp. 66-68.
 - "Capability of High Wycombe Forecast Center to Support the Wing Facsimile Program," by Lt Colonel J. M. Bird, pp. 68-71.
 - "The Role of the Kindsbach Forecast Center in the Facsimile Program," by Capt J. R. Smith, pp. 71-76.
 - "Philosophy of Detachment-Level Weather Service," by Major L. L. Howes, pp. 77-79.
 - "Local Orographic Effects (Summary of Presentation)," by Dr. R. D. Fletcher, p. 80.
 - "Operational Criteria for Jet Air Reconnaissance," by Major L. W. Cowan and Major E. L. Kuehnast, pp. 81-86.
 - "Support to the Objective Aid Program," by Capt C. F. Roberts, pp. 87-88.
 - "The Systematic Approach to Analysis and Forecasting," by Lt Colonel T. H. Lewis, pp. 89-92.
 - "A Procedure for Forecast Center Analysis and Prognosis," by Major F. W. Murray, pp. 93-99.
 - "53d Reconnaissance Activities," by Capt E. E. Wittman, pp. 100-102.
 - "Short Range Variability and the Landing Weather Problem," by Capt C. F. Roberts, pp. 103-108.

2nd WEATHER WING (Cont'd)Item No.

8. Technical Bulletin, December 1956, 33 pp. incl. illus. tables.
(Multi) (AD-126839) *
- Contents:
- "The 2WW Forecasters' Bulletin Series," pp. 1-2.
 - "Technical Consultant Visit by Professor J. M. Austin," pp. 3-9.
 - "The Steering of Cyclones," by Capt C. F. Roberts, pp. 10-17.
 - "Everybody's Doing It — Systematic Procedures," pp. 17-18.
 - "A Modified Fjörtoft Graphical Prognostic Technique," pp. 18-24.
 - "Inferred 700 Millibar Wind Factors," by Major J. C. Glover and Capt M. J. Cleary, pp. 25-26.
 - "The Calculation of Mean Equivalent Headwinds," by Capt D. A. Morgan, pp. 27-28.
 - "Advection as an Aid in Forecasting Deepening," pp. 29-31.
 - "A Note on the Relationship Between Temperature and Visibility Change," pp. 32-33.
9. Technical Bulletin, May 1957, 71 pp. (Multi) (AD-137621) *
- Contents:
- "A Weather Planning Service," by Capt R. E. Cale, pp. 3-46.
 - "What's the VIZ?" by Major L. L. Howes, pp. 47-49.
 - "Technical Library Service, and Accession List," by Major A. Bruch, pp. 50-59.
 - "Technical Consultant Visit by Professor Sverre Petterssen," 60-65.
 - "Evaluation of High Wycombe 500-mb Facsimile Prognostic Chart," pp. 66-67.
 - "Extrapolating 700-mb Heights in the North Atlantic," by H. Bartels and H. S. Appleman, pp. 68-71.
10. Technical Bulletin, August 1957, 95 pp. (Multi) (AD-141684) *
(See also AD-167621)
- Contents:
- "Comparison of Numerically Computed 500-mb Prognostic Charts With Certain Standard Prog Charts," by Capt C. Roberts, pp. 1-18.
 - "An Analysis of Moisture Distribution in Relation to Cloud Cover," by Capt J. R. Smith, pp. 20-30.
 - "Effect of Temperature-Dew Point Spread on Visibility in Fogs," by H. S. Appleman, pp. 31-36.
 - "Accuracy of Reported 3-hourly Pressure Tendencies," pp. 37-40.
 - "On the Meteorological Effects of Mountain Ranges and Tablelands," by Dr. P. Mildner, pp. 41-43.
 - "An Empirical Approach to Forecasting Radiation Fog and Visibility at Rhein Main," by Technical Support Division, pp. 44-62.
 - "Time Variability of a Ballistic Wind Vector," by Capt J. R. Smith and Capt C. D. Wright, pp. 63-74.
 - "Forecasting the Afternoon Wind Maximum," pp. 75-80.
 - "The Magnitude of Geostrophic Wind-Speed Errors From a Vertically Extrapolated 200-mb Chart," by Technical Services, pp. 81-85.
 - "Technical Library Accession List," 1 Jan - 30 June 1957, pp. 87-95.

2nd WEATHER WING (Cont'd)

Item No.

11. Technical Bulletin, February 1958, 51 pp. (Multi) (AD-161657) *
Contents:
"Extrapolation of 500-mb Prognostic Charts to 200-mb," pp. 1-5.
"The 2nd Weather Wing Publication Program," p. 6.
"Statistical Forecasts of Route Wind-Factors Over the North Atlantic Area," by Capt C. F. Roberts, pp. 7-12.
"A Procedure for Forecasting the Improvement of the Visibility Conditions During the Fall Months," pp. 13-20.
"The Time and Areal Distribution of Strong Wind Fields Associated With European Cyclones," pp. 21-25.
"A Test of the Estoque Technique for Obtaining Forecasts of the 500/1000-mb Thickness Field by Graphical Methods," p. 38.
"Notes on Test of AWS 200- and 300-mb Prognostic Methods," p. 38.
"Applied Military Climatology," by Lt Colonel E. G. Newton, pp. 39-41.
"Staff weather Officer — A Consultant Meteorologist," by Major W. Phillips, pp. 42-45.
"Determination of the Weather Factor in Military Planning," by Major A. Bruch, pp. 46-51.
12. Technical Bulletin, September 1959, 80 pp. (Multi) (AD-226835) *
Contents:
"The Barotropic Model of the JNWP Unit," by Major William Lewis, pp. 1-9.
"Mediterranean Cyclogenesis," pp. 10-16.
"An Evaluation of Reported Heavy Icing Encountered Between Rome and Elba, 13 December 1958," by Major L. A. Pitt, and Mr. L. E. Lotito, pp. 17-21.
"Effect of Dynamic Heating on Aircraft Icing," by H. S. Appleman, pp. 22-28.
"A Procedure for Forecasting Dust and Sand Occurrence at Wheelus AB, Tripoli for November through February," pp. 29-35.
"Remarks on Frontal Analysis and Concepts for Western Europe," by Major E. S. Maykut, pp. 36-52.
"The Probability of the Persistence of a Specific Weather Condition," pp. 53-56.
"Climatological Aid for Forecasting Visibilities for a 24-hr Period at Rhein Main AB During October," pp. 57-69.
"Display of Radar Reports," pp. 70-72.
"Forecast Anomalies of Temperature and Precipitation for Europe in Spring and Summer, 1959," pp. 73-77.
"Forecast 'D' Values," pp. 78-80.

2nd WEATHER WING (Cont'd)Item No.

1. "Summaries of Papers Presented at the Third International Symposium for Alpine Meteorology in Davos, Switzerland, 12-14 April 1954," 13 pp. (Typescr) *
2. "European Winter Flying Weather," published in USAFE Flight Safety Accident Review, 3rd Qtr 1954.
3. Supplement #1 to AWSM 105-44, "General Aspects of Fog and Stratus Forecasting," 10 March 1954, 9 pp. (Multi) plus figs. (AD-64353) *
4. "Intense Precipitation Data-Germany," 1955, 45 pp.
5. "Position and Strength of the Jet Stream Over Europe," prepared by Climatology Section, February 1955, 6 pp. (Ozalid) *
6. Supplement #2 to AWSM 105-44, "Application of the Rhein-Main Visibility Study to an Operational Problem," 1 April 1955, 8 pp. incl. figs. (Multi) (AD-64354) *
7. "The Operational Effect of Changing Weather Minimums," September 1955, 5 pp. plus figs. (Multi) *
8. "Report on the International Meeting of Applied Meteorology, Obertraun, Austria, 19-21 September 1955," 10 pp. (Mimeogr) *
9. "Report on the Frankfurt Meeting of the German Meteorological Society, 17-19 October 1955," 18 pp. (Mimeogr) (AD-79123) *
10. "Weather and Climate, Germany, Kiel Area," prepared by Climatology Section, November 1955, 85 pp. (Multi); Annex I, "Weather Station Locator Map"; Annex 2, "Mean Number of Days per Year With Snow Cover." *
11. "The Summer Forecast Problem," published in 2WWg Bulletin #9, Annex 3, 1 May 1956, 4 pp. (Mimeogr) *
12. "Meters or Feet?" p. 1; "Forecasters' Bulletin and Severe Storm," p.2, published in 2WWg Bulletin #17, September 1956. (Mimeogr) *
13. "Extension of an Objective Forecasting Technique to the Making of Probability Forecasts," Thesis by Capt H. Edson, September 1956, 57 pp. (Typescr) *
14. "Climatological Wind Factors for Atlantic Routes," September 1956, 5 pp. (Typescr) plus illus. *

2nd WEATHER WING (Cont'd)Item No.

15. "Short Range Terminal Forecast Kit," by Technical Services, September 1956, contained 4 papers:
 "Forecast Evaluation."
 "The Space-Time Continuity Diagram."
 "The Terminal Time Continuity Diagram."
 "Nephanalysis and Short-Range Forecasting."
16. "Third Air Force Forecast Manual," 1956.
17. "Military Planners: Do You Know About TSD?" prepared by Technical Support Division, 1957, 3 pp. (Printed) *
18. "Index of Forecasters' Bulletin," in ZWW Manual 105-5, "Forecasters' Manual," 1 July 1957, 4 pp. (Mimeogr) *
19. "A Systematic Approach to Local Forecast Studies," by J. D. Sartor, June 1957, published in Bull. Amer. Met. Soc., Vol. 39, No. 1, January 1958, pp. 21-27. *
20. "Computation of 5-Day Temperature Normals in Western Europe and the Mediterranean Area," by Kurt Bender, et al., Technical Support Division, presented at the 5th Meeting of the Italian Society of Geophysics and Meteorology, by Ingrid Weiss (Genoa 23-25 Apr 1957). Published in Geofisica Pura e Applicata, Vol. 38, pp. 265-286 (1957). Reprinted in Memoire No. 3 do Centre International de Recherches sur la Meteorologie de la Mediterranee (CIRMM). *
21. "Zoning for Organizational Clothing and Equipment According to Climatic Zone - USAFE Operating Area," Report ZW-850, July 1957.
22. "Dust Visibility," by Major R. O. Delahoussaye, published in Combat Crew, August 1957, pp. 14-15. *
23. "A 700-mb Prog by Graphical Interpolation," August 1957, 3 pp. (AD-147876)
24. "Climatological Fallout Patterns in Central Europe," Report ZW-841, September 1957.
25. "Mean Monthly Contours, Temperatures, and Isotachs at 200, 100, and 50 mb (1949-1953)," reprinted by Tech Sup. Div., from "Pressure, Temperature, and Flow Conditions in the Stratosphere Over the Northern Hemisphere," by K. Wege, published in Meteorologische Abhandlungen, Band V, Heft 4, Berlin Free Univ., Institut für Meteorologie und Geophysik, 1957. (AD-211089) (Lithopr) *

2nd WEATHER WING (Cont'd)Item No.

26. "A Comparison of the Accuracy of Numerical and Conventional Prognostic Charts and Their Value as Flight Planning Tools," Project No. WPB-108, January 1958, 38 pp. (Lithopr) (AD-161656) *
27. "Technical Guide for Consultants," February 1958, 19 pp. (Typescr) * (Not printed)
28. "German-English Meteorological Terms," TILB-24, April 1958, 23 pp. (Mimeogr) *
29. "(U) Objective Evaluation of Soviet Surface Prognostic Charts," June 1958, 7 pp. (CONFIDENTIAL) *
30. "Report on the 5th Bi-Annual International Alpine Meteorology Congress and the Congress of the German Meteorological Society, Branch Frankfurt/Main, held at Garmische-Partenkirchen, Germany," September 1958, 21 pp. (Typescr) *
31. "Index of Forecasters' Bulletins," in ZWW Manual 105-5, "Forecasters' Manual," May 1959, 4 pp. (Mimeogr) *
32. "A Procedure for Forecasting Dust and Sand Occurrences at Wheelus AB, Tripoli, for the Period November through February," WPB-179, October 1958, 8 pp. (Multi) (AD-220909) *
33. "Climatological Study for Exercise Royal Flush IV," Report ZW-1034, November 1958.
34. "Evaluation of the High Wycombe and JNWP 300mb Progs," Report TPD-226, November 1958, 9 pp. (Typescr) plus figs. *
35. "Evaluation of the High Wycombe and JNWP 700mb Progs," Report TPD-230, January 1959, 5 pp. (Typescr) plus tables, illus. (Ozalid) *
36. "Extended Period Analysis and Forecasting," Appendix III to High Wycombe Weather Central Systematic Procedures Manual, September 1959, 5 pp. (Multi) * (This supersedes ZWWg Manual 105-6, Jan 58)
37. "Temperature Curves With Ceiling and Visibility Charts," for Fairford and Brize Norton; Bovingdon and Wethersfield; Bentwaters and Woodbridge; Alconbury, Mildenhall, Lakenheath, Sculthorpe; Upper Heyford and Greenham Common; Bruntingthorpe and Chelveston, December 1959.
38. "Summary of ETWC Experience in Upper Air Through Analysis," circa December 1959. (Mimeogr)

2nd WEATHER WING (Cont'd)Item No.

39. "The Stratospheric Jet Stream During the Cold Season," by Kh. P. Pogolian, Meteorologiya i Gidrologiya, No. 2, 1959. Summary translation. Translated from Russian into German by Dr. O. Moese. Translated into English by Frau Dr. Ingrid Weiss, March 1960, 6 pp. (Typescr) plus charts. *
40. "The Stratospheric Jet Stream During the Warm Season," by Kh. P. Pogolian, Meteorologiya i Gidrologiya, No. 7, 1959. Summary translation. Translated from Russian into German by Dr. O. Moese. Translated into English by Frau Dr. Ingrid Weiss, March 1960, 8 pp. (Typescr) plus charts. *
41. Supplement 1 to AWSR 55-24, "Technical Studies," 17 March 1960, 1 p. (Mimeogr) * (This supplement supersedes 2WW Sup-1/AWSR 55-24, 16 Apr 58)
42. "Thunderstorms in the British Isles, by Lt Colonel Robert G. Miller, and Major Loyd G. Starrett, High Wycombe Weather Central, April 1960, 19 pp. (Ditto)
43. "An Evaluation of Forecast Errors," TPD 259, May 1960, 5 pp. (Multi) (AD-237813) *
44. "Geostrophic Distances," 18 May 1960, 3 pp. incl. chart. (Multi) *
45. "Some More Radiosonde Comparisons with the Help of a Synoptic Method," by Joachim Bartsch, GWS in: Meteorologische Rundschau, Vol. 12, No. 3, May/Jun 1959, pp. 93-95. Summary translation by 2 Wea Wg, July 1960, 2 pp. plus figs. (Multi) (AD-239288) *
46. "Cirrus Forecasting," by Major Loyd G. Starrett, High Wycombe Weather Central, 19 October 1960, 1 p. (Ditto)
47. "2WWg Manual on Climatic Briefs for Air Bases in European Theater," (late 1960?)
48. "Forecasting Rain With Low Stratus in the Midlands of England," by T/Sgt Thomas M. McElmurry, 3 January 1961, 10 pp. (Typescr) plus illus.
49. Supplement 1 to AWSR 55-24, "Technical Studies," 24 May 1961, 1 p. (Multi) * (This supplement supersedes Sup-1, Mar 60)

2nd WEATHER WING (Cont'd)Manuals:

- 66-Test: "Maintenance Support Organization — Manhour Accounting System," 1 July 1955, 23 pp. (Mimeogr)
- 105-2, "ICAO Abbreviations of Place Names," 1954; Revised 1 Jan 1956; Change A, 10 Jan 1956; Change B, 20 Jan 1956; Change C, 1 Mar 1956; Change D, 10 May 1956; Revised ed. 1957.
- 105-3, "Weather Facilities Manual," 1 April 1956; Revised July 1957, 396 pp. plus pen and ink corrections; 105-3A, Sep 57; 105-3B, Dec 57; Revised Aug 1958; 105-3F, Apr 59. (Mimeogr) *
- 105-4, "Surface Weather Observers Manual," 1 May 1957; Change 1, Jun 57; Change 2, Oct 57. (Mimeogr) *
- 105-22, "Supplement #3 to AWSM 105-22, 30 August 1957, 3 pp. (Mimeogr) *
- 170-2, "Management Evaluation and Quality Control System," 15 March 1960. (Multi) *

18th WEATHER SQUADRON (1954-1960)Item No.

- 1. Technical Pamphlet #1, December 1954, 8 pp. (Mimeogr) *
Contents:
"Construction of Auxiliary Charts," pp. 1-3.
"Surface Prognosis," pp. 3-7.
"Upper-Air Prognosis," pp. 7-8.
- 2. Technical Pamphlet #2, November 1955, 14 pp. (Mimeogr) *
Contents:
"Construction of Auxiliary Charts," pp. 1-3.
"Analyzing the Situation," pp. 3-8.
"Preliminary Surface Prognosis," p. 10.
"Modification and Refinement," pp. 11-13.
"Other Upper-Level Progs," pp. 13-14.
- 3. "Objective Studies," published in Squadron Bulletin #5, 15 May 1957, p. 3. (Mimeogr) *
- 4. 18th WS Manual 55-1, "Support to North Atlantic MATS Operations," April 1958, with Change 55-1A attached, 25 July 1958, 11 pp. (Mimeogr) figs.
- 5. "An Effective Organizational Maintenance Program," 31 August 1956, 15 pp. (Mimeogr) *
- 6. "North Atlantic Forecaster's Guide, Annex #1," prepared by Det 17, 16 March 1959, 63 pp. (Lithopr) *

2nd WEATHER WING (Cont'd)

18th WEATHER SQUADRON (Cont'd)

Item No.

7. "A Survey of Wind Factor Errors on Mid-Tropospheric North Atlantic Routes," by Capt E. H. Phinney, Det 17, 10 February 1960, 10 pp. incl. refs. figs. (Multi) *
8. "Cirrus Cloud Forecasting," by Capt Allen E. Staver, July 1960, 7 pp. (Lithopr) *
9. "History of the 18th Weather Squadron, May 1942 - June 1960," 7 pp. (Mimeogr)

21st WEATHER SQUADRON (1956-)

Item No.

1. "A Proposed Method for Improving the Processing of the North Atlantic Numerical Weather Prediction Data," prepared by Capt G. Mills II, January 1959, 6 pp. (Typescr) plus diagrams. *
2. "Mediterranean Forecasters Handbook, Part II, Climatic Section," 1960.
3. "A Climatic Note on Meteorological Fronts and Relation Weather enroute Kano to Leopoldville," 1960.
4. "A Method for Estimating the Standard Error of a Mean," 1960.
5. "A Climatic Survey of MATS Terminals in the Mediterranean Area," 1960.

28th WEATHER SQUADRON (1954-)

Item No.

1. "A Preliminary Investigation of the Problem of Forecasting Radiation Fog in England," by CWO E. A. Buckley, November 1954, 5 pp. (Mimeogr) *
2. Operational Effectiveness Bulletin, 10 February 1955, 17 pp. (Mimeogr) * Contents:
 "Some Aspects of Map Analysis," by Lt Colonel D. N. Morgan, pp. 1-6.
 "Surface Analysis Procedures," by Lt Colonel J. A. Allen and CWO D. T. Keast, pp. 1-6.
 "Frontal Analysis Procedures for the Eastern Atlantic and Western Europe," by Lt Colonel J. H. Allen, pp. 1-5.

2nd WEATHER WING (Cont'd)28th WEATHER SQUADRON (Cont'd)Item No.

- 2a. Operational Effectiveness Bulletin, "Weather Chart Analysis," 16 February 1955, 17 pp. (Mimeogr) *
- 2b. Operational Effectiveness Bulletin, "Atlantic Ships," 20 February 1955, 34 pp. (Mimeogr) *
3. Operational Effectiveness Bulletin, "High Wycombe Forecast Center," 25 April 1955, 15 pp. (Mimeogr) *
4. Operational Effectiveness Bulletin, "Validity of Weather Reports From Ships at Sea," by Major M. F. Killory, 1 August 1955, 3 pp. (Mimeogr) *
5. "A Practical Method for Forecasting Turbulence, Showers and Thunderstorms," by CWO F. P. Finnicum, 20 June 1955, 4 pp. (Mimeogr) (Reprinted in 2WGp Weekly Bulletin #13, May 1956.) *
6. "A Method of Estimating the Probability of Being on-Top at a Selected Altitude," Special Study #1, April 1956, 7 pp. (Mimeogr)*
7. "An Alternative Method of Presenting the Frequency of Occurrence of Weather Phenomena," Special Study #2, May 1956, 10 pp. (Mimeogr) (AD-241061) *
8. "Survey of Absolute Errors, 36-hr and 48-hr Wind Factors, April through December 1956," prepared by High Wycombe Forecast Center, 6 pp. (Ozalid) *
9. "Analytical and Prognostic Guides and Tools," June 1957, 3 pp. (Typescr) *
10. "Construction of 500 mb Prognostic Charts by Projecting H Values Based Upon Interpretation of Surface Isallobaric Field Patterns," June 1957, 2 pp. (Typescr) *
11. "Systematic Procedures at High Wycombe Forecast Center," 1957, 53 pp. (Ditto); Appendix IIA, "Standardized Mechanics of Chart Preparation," 32 pp; Appendix IIB, "Functional Requirements and Job Analysis," 12 pp. included.
12. "A Comparison of Spot Winds Extracted From Facsimile Charts," August 1957, 7 pp. (Multi) incl. figs. *
13. "On the Extraction of Spot Winds From Facsimile Charts," June 1958, 7 pp. (Multi) *
14. "Forecasting Centralization," prepared by Operations Office, July 1958, 14 pp. (Mimeogr) *

2nd WEATHER WING (Cont'd)28th WEATHER SQUADRON (Cont'd)Item No.

15. "The Probability of the Persistence of a Specific Weather Condition," October 1958, 2 pp. (Typescr) fig. *
16. "Station Forecast Data for UK," prepared by Det 40, March 1959. Single sheet for each of the following: U.K., Alconbury, Bentwaters, Bovington, Brize Norton, Bruntingthorpe, Burtonwood, Chelveston, Fairford, Greenham Common, Lakenheath, Mildenhall, Sculthorpe, Upper Heyford, Wethersfield, Woodbridge. (Multi) *
17. "Thunderstorms in the British Isles," by Lt Colonel R. C. Miller, May 1959, 10 pp. incl. figs. (Ditto) *
18. "Mediterranean Meteorology," by Major R. E. McKown, Det 40, 1959, 9 pp. (Multi) plus figs. (AD-229557) *
19. "Upper Air Trough Line Analysis," by Major P. H. Fisher, Det 40, 1959, 10 pp. (Multi) *
20. "Wind Factor Computer," by High Wycombe Weather Central, 1959, 1 p. (Typescr) plus photo. *
21. "Spring and Summer Weather Hazards to Flying," by High Wycombe Weather Central, 1959, 7 pp. (Multi) *
22. "Visibility Forecasting Aid for Woodbridge," by High Wycombe Weather Central, November 1959, 1 p. (Ditto) plus chart. *
23. "Cirrus Forecasting," 13 January 1960, 1 p. (Typescr) *
24. "Theta E Analysis," by Major Glen G. Nolte, Det 40, January 1961, 14 pp. (Ditto) plus illus. *

Manuals:

- 105-1, "Weather Support for Third Air Force Operations," June 1957, 13 pp. plus charts. (Multilith and Ditto) *
- 55-2, "Weather Support for Third Air Force Operations," 5 January 1959, 16 pp. incl. figs. (Mimeogr) * (This manual supersedes 105-1, June 1957)
- 55-2, "Weather Support for Third Air Force Operations," 15 May 1960, 17 pp. (Multi) * (This manual supersedes 55-2, Nov 59)

2nd WEATHER WING (Cont'd)29th WEATHER SQUADRON (1954-1958)Item No.

1. "An Approach to the Forecasting of Ocean Data for Harbor Facilities, and Agencies," by M. V. Jones, 15 April 1954, 42 pp. (Multi) *
2. "MATS Wind Factor Program and the Lajes Forecaster," prepared by Det 4, 1954, 2 pp. plus diagrams. (Mimeogr) *

31st WEATHER SQUADRON (1954-)Item No.

1. "Local Weather-Watch Problems at Leeuwarden Air Base," Seminar held on 18 January 1955, by 1/Lt J. H. Boer. Translated from Dutch by 1/Lt D. H. Lufkin, 7 pp. (Ditto) *
2. "The Short-Range Forecast," September 1955 (Mimeogr) [see 2nd WWg Technical Bulletin, May 1956]
3. "Glossary of German Meteorological Terms," December 1955, 15 pp. (Mimeogr) *
4. "Methods and Principle of Prognosis," March 1956, 46 pp. (Ditto) *
5. "Night Cooling Curves for Landstuhl AB, Germany, and Their Use in Predicting Critical Values of Visibility," by CWO C. N. Shaw, May 1958, 10 pp. (Mimeogr) *
6. "Short Period Forecast Evaluation," February 1959, 21 pp. (Typescr)*
7. "Climatic Probability Charts for Toul/Rosieres AB, Dec 52 - Jan 59."
8. "Climatic Probability Charts for Hahn AB, Dec 53 - Jan 59."
9. "Climatic Probability Charts for Bitburg AB, Dec 55 - Jan 59."
10. "Climatic Probability Charts for Phalsbourg AB, Dec 57 - Jan 59."

Manuals:

- 55-1, "Operations - Army Weather Loop (AWL)," 18 June 1959, 14 pp. (Multi)
- 55-2, "Operations - Weather Support for Field Army," 18 June 1959, 17 pp. (Multi)

53d WEATHER RECONNAISSANCE SQUADRON (Feb 1954-Mar 1960)

1. "Loss of Ground Speed Due to Crabbing," by Capt Donald J. Smith, 1957, 8 pp. (Mimeogr)

LIST OF 2058th AIR WEATHER WING PUBLICATIONS (Oct 1951-Feb 1954)
(Formerly 2105th AWGp)

2058th AIR WEATHER WING

Item No.

1. Technical Bulletin, April 1953, 63 pp. (Multi) (AD-9158) *
Contents:
"Adjustment of Upper-Level Height Values for Selected Stations," pp. 1-4.
"Forecasting Visibility Restrictions at Neubiberg AB Due to Haze and Smoke From Munich City," pp. 5-11.
"Notes on Changes in the Zonal-Wind Profile and Their Relations to Forecasting," pp. 12-30.
"2058th Air Weather Wing Climatological Program," pp. 31-36.
"Preliminary Results of Forecast Capabilities Verification Program," pp. 37-42.
"Gleanings From the Writers," pp. 44-48.
"Report of Lecture by Dr. Palmen," pp. 49-51.
"Remarks on Frontal Analysis and Frontal Concepts for Western Europe," pp. 52-63.
2. Technical Bulletin, July 1953, 57 pp. (Multi) *
Contents:
"Notes on Lectures Given by Dr. Robert D. Fletcher During a Recent European Trip," pp. 1-12.
"Forecast Capabilities Verification," pp. 13-18.
"Gleanings From the Writers," pp. 19-25.
"Thunderstorm Forecasting," pp. 26-35.
"Highlighting Station Management," pp. 36-39.
"Forecasting Cyclogenesis in Southern European and Mediterranean Waters," pp. 40-41.
"Post-Analysis of 'Winnnetka' — The Storm of 12-13 December 1952," pp. 42-50.
"Peak Gust, Thunderstorms," pp. 51-52.
"Reduction of Pressure to Sea Level," pp. 54-57.
3. Technical Bulletin, October 1953, 58 pp. (Multi) *
Contents:
"Special Study of Relationship of Pressure Differences in Azores Islands to Critical Winds at Azores Air Transport Station," pp. 1-7.
"Frontal Wave Development Resulting in Strong Storm Winds Over France," pp. 8-16.
"Special Case Study of Severe Weather Phenomena — Ankara, Turkey, Spring 1953," pp. 17-35.
"A Method for the Preparation of Four Day Surface and 500 mb Prognostic Charts," pp. 36-44.
"Application of the Geostrophic Wind Equation," pp. 45-46.
"The Influence of Sea Breeze on Fog Stratus at Nouasseur Air Depot, French Morocco," pp. 47-52.
"Terminal Forecast Verification System," pp. 53-56.
"Forecasting Cyclogenesis in Southern European Mediterranean Waters (Evaluation)," pp. 57-58.

2058th AIR WEATHER WING (Cont'd)Item No.

4. Technical Bulletin, January 1954, 70 pp. (Multi) (AD-25826) *
Contents:
"Forecasting the State of the Sea," pp. 1-9.
"An Objective Advection Technique," pp. 10-16.
"Some Observations on Shamal Activity at Dhahran, Saudi Arabia," pp. 17-22.
"Hints on Map Analysis," pp. 23-29.
"Moisture Representation on Constant-Pressure Chart," pp. 30-33.
"When Will a New High-Cell Form?" pp. 34-41.
"Frontal Analysis," pp. 42-47.
"Severe-Storm Seminar," pp. 48-50.
"A Discussion of the Long-Wave Concept," pp. 51-60.
"Preliminary Report on European Radiosonde Compatibility," pp. 61-63.
"An Analysis of Weather Data Obtained from B-47 Flight," pp. 64-66.
Appendix #1, pp. 68-70.
5. "Determination of the 'Q' Factor," circa 1951, 4 pp. (Multi) *
6. "Brief Outline of the Scherhag Technique," circa 1951, 1 p. (Multi) *
7. "Extrapolation of Surface Data to Upper Levels," circa 1951, 3 pp. (Multi) *
8. "The Use of 1000-500-mb Thickness Patterns in Daily Forecasting," circa 1951, 12 pp. (Multi) *
9. "Pressure-Height and 'D'-Value Computations," circa 1951, 15 pp. (Multi) *
10. "Climatological Study of Taizz, Yemen," by Lt W. J. Moore, circa 1951. (Typescr) *
11. "Summary of Some Important Forecasting Rules," circa 1953, 5 pp. (Multi) *
12. "1000-mb Conversion From Sea-Level Pressure and Temperature," circa 1953, 12 pp. (Multi) *
13. "Index Trends," circa 1953, 16 pp. (Multi) *
14. "Preparation and Use of Vorticity Charts," circa 1953, 1 p. (Multi) *
15. "Calculation of the Dynamic Stability in Ridges," circa 1953, 4 pp. (Multi) *
16. "Forecasters' Manual, Defant's Extrapolation Technique," circa 1953, 7 pp. (Multi) *
17. "Reduction of Pressure to Sea Level," circa 1954, 4 pp. (Multi) *

2058th AIR WEATHER WING (Cont'd)

18th WEATHER SQUADRON (1951-1954)

Item No.

18. "Report on the German Scientific Meteorological Meeting at Bad Kissingen," 19 November 1951, 3 pp. (Typescr) *
19. "Winds Aloft Forecast Verification Program," by Capt F. H. Franz, March 1952, 10 pp. (Mimeogr) *
20. "Report on the German Central Meteorological Office of the British Zone," 22 October 1952, prepared by Det 29, 6 pp. (Typescr) *
21. "Climate and Weather of Europe and the Mediterranean Areas," December 1952, 22 pp. (Mimeogr) plus charts and map. (Incomplete)*

Monthly Bulletins: (Mimeogr)

- Vol. 2, No. 4, "Metrostimulus," by Major G. N. Woods, November 1952, pp. 7-16. *
- Vol. 2, No. 5, "The Observers Place in the Sun," December 1952, pp. 7-13. *
- Vol. 2, No. 6, "Post Analysis of the 12-13 December 1952 Storm," by Major J. C. Glover, January 1953, pp. 10-18. *
- Vol. 2, No. 9, "Peak Gusts in Thunderstorms," April 1953, pp. 9-11. *
- Vol. 2, No. 11. "RAOB Analysis," June 1953, pp. 6-8. *

28th WEATHER SQUADRON (1951-1954)

Dynamic Analogue Section Manuals (DASM):

- 105-90, "Preliminary Report, Regional Dynamic Analogue Project," Appendices 1-5, 15 August 1952. (Mimeogr) *
- 105-91, "Theory and Application of Regional Dynamic Analogues," 31 March 1953, 86 pp. (Mimeogr) *
- 105-92, "Preparation of Weight-Mean Charts and Their Use in Prognosis," 15 April 1953, 135 pp. (Multi) *

Item No.

22. "Regional Forecast Study for the British Isles," by Det 6, 1953.

2058th AIR WEATHER WING (Cont'd)

29th WEATHER SQUADRON (1951-1954)

Item No.

- 23. "A Guide to the Preparation of Local Forecasting Studies,"
15 January 1952, 5 pp. (Mimeogr) *
- 24. "The Reduction of Station Pressures to Sea Level Pressure for
Certain Selected Stations," 29th WSqd Letter 96-121, August
1952, 2 pp. plus charts. Revised 2 March 1953. (Multi) *

LIST OF 2105th AIR WEATHER GROUP PUBLICATIONS (Jan 1949-Oct 1951)

2105th AIR WEATHER GROUP

Item No.

- 25. "Weather Service for the Airlift Task Force," January 1949, 5 pp. (Typescr) *
- 26. "Briefing of Brig. General William O. Senter," 13 March 1951, 40 pp. (Multi) *

18th WEATHER SQUADRON (1949-1951)

Item No.

- 27. "The Scherhag Method of Constructing a 24-hour Prognostic Chart," prepared by Capt R. J. Bodenhofer and M/Sgt M. C. Kozak, 1949, 10 pp. (Mimeogr) *
- 28. "Use of an Area Stability Chart as an Aid in Forecasting Thunderstorms," prepared by Lt N. B. Gardner, 1949, 5 pp. (Mimeogr) plus diagrams.*
- 29. "Weather Prognosis for Central Europe for the Period 1 to 31 August 1949; Climatological Data for Rhein Main, Wiesbaden, Tempelhof, Beyreuth," 31 July 1949, 12 pp. (Mimeogr) *
- 30. "Preliminary Paper on Method for Extended Period 500-mb Prognosis," by Lt J. B. Jones, 1950, 13 pp. (Multi) *
- 31. "A Note on the Individual Changes in Thickness of Isobaric Layers," Lecture by Major R. C. Bundgaard, April 1950, 13 pp. (Mimeogr) *
- 32. "Use of an Area Stability Chart as an Aid in Forecasting Thunderstorms," 30 March 1951, 4 pp. (Mimeogr) *

29th WEATHER SQUADRON (1949-1951)

Item No.

- 33. "Cloud Seeding Operations," prepared by Det 1602-3 ATW, 3 July 1951, 2 pp. (Typescr) plus map. *

59th WEATHER WING (Dec 1945-Oct 1947)

5th WEATHER GROUP (Dec 1945-June 1948)

Item No.

- 34. "Investigation of the Methods Practiced by the Research Institute for Long-Range Weather-Development Forecasting," Bad Homburg vor der Hohe, Germany, by Capt M. Greenberg, 1946, 21 pp. (Photostat) (AD-83142) *

LIST OF 3d WEATHER WING PUBLICATIONS (Oct 1956--)

3d WEATHER WINGManuals:

- 35-1, "Consolidated Personnel System," 2 January 1961, 103 pp. (Multi) *
(This manual supersedes 3WW C.A.P.S., Personnel Handbook for
Commanders, 21 Dec 58, and all changes thereto.)
- 55-1, "Forecasting Handbook," September 1959 (Lithopr) * Change 3WWM 55-1A,
28 April 1961, 18 pp. (Lithopr) *
- 55-5, "Climatological Wind Factor Calculator," February 1957 (Lithopr) *
- 55-5, "Climatological Wind Factor Calculator-Standard Deviation," January
1960, 20 pp. * (This manual supersedes 3WWM 55-5, Feb 57)
- 55-6, "Climatic Briefs," November 1956, 192 pp. (Multi) *
- 55-7, "Climatological wind Factors," July 1957, 170 pp. (Multi) *
- 105-2, "Climatological Wind Factor Calculator-Mean Isogon-Isotach Charts,"
Vol. II, January 1960, 90 pp. * Change A, 3WWM 105-2A, Apr 61, 4pp.
- 105-3, "Monthly Mean Atmospheric D-Values Over the Northern Hemisphere,"
June 1960, 431 pp. (Lithopr) *
- 105-4, "Monthly Mean Atmospheric Temperatures Over the Northern Hemisphere,"
June 1960, 432 pp. (Lithopr) *
- 105-6, "Climatic Briefs," February 1960, 127 pp. (Lithopr) * (This manual
supersedes 3WWM 55-6, Nov 56); Change 1, 3WWM 105-6, Dec 60,
17 pp. (Lithopr) *
- 105-7, "Monthly Climatological Take Off and Climb Planning Factors," April
1961, 138 pp. (Lithopr) *

SAC Manuals [prepared by 3WW]:

- 50-18, "Long Range Flight Planning and Inflight Procedures," May 1960,
71 pp. (Lithopr) * Change 1, SACM 50-18, 4 Mar 61, 2 pp. (Lithopr)*
- 55-12, "Application of Weather Planning Factors," Part 3, 1961, pp. 93-131.
(Lithopr) *
- 105-1, "(U) Weather Support Procedures," July 1956, 34 pp. (Lithopr)
(SECRET) * (Downgraded to Unclassified 2 Dec 59) [Obsolete]
- 105-1, "Weather Support Procedures," June 1958, 24 pp. (Lithopr) *

3d WEATHER WING (Cont'd)SAC Manuals /prepared by 3WW/:

- 105-1, "Weather Support Procedures," July 1959, 25 pp. (Lithopr) *
(This manual supersedes SACM 105-1, Jun 58); Change 1,
SACM 105-1, Sep 60, 9 pp. (Lithopr) *
- 105-1A, "(U) Meteorological Effects on the Operational Employment of
Ballistic Missile Weapons Systems," September 1960, 7 pp.
(Lithopr) (SECRET) * (This manual supersedes SACP 105-1,
May 59)
- 105-2, "Climatological Wind Factor Calculator - Instructions," Vol. I,
January 1960, 34 pp. (Lithopr) * Change 1 to Vol. I,
SACM 105-2, March 1960, 6 pp. (Lithopr) *

Seminars (3WW Pamphlets):

- 1, "Forecasting Turbulence and Its Effect on Aircraft Operations,"
prepared by Scientific Services Section, June 1958, 49 pp.
incl. figs. (Text Mimeogr; figs. Multi) (AD-216674) *
Change 1, 2 Sep 58, 5 pp. (Multi) *
 - 2, "Forecasting for Air Refueling," December 1958, 23 pp. (Multi)
(AD-216673) *
 - 2, "Forecasting for Air Refueling," September 1960, 37 pp. (Multi) *
(Supersedes 3WWP 105-2, Dec 58) (AD-244115)
 - 3, "Jet Aircraft Characteristics," January 1959, 26 pp. (Multi)
(AD-216676) *
 - 4, "Forecasting Altimeter Settings," February 1959, 11 pp. (Multi)
(AD-216675) *
 - 5, "Cirrus Clouds," June 1959, 27 pp. (Multi) (AD-220260) *
(3WW Pamphlet 105-5) Change 3WW Pamphlet 105-5A to Seminar #5,
February 1960, 11 pp. (Multi) *
- SACP 105-1, "(U) Meteorological Effects on the Operational Employment of
Ballistic Missile weapon Systems," May 1959, 6 pp. (Lithopr)
(SECRET) *
- 3WWP 105-6, "Support to SAC Units (Non-SAC Bases)," 4 August 1960, 16 pp.
(Multi) *

3d WEATHER WING (Cont'd)Item No.

1. Operational Briefs #2, November 1956, 8 pp. (Mimeogr) *
"Operational Charts," p.2.
2. Operational Briefs #3, December 1956, 11 pp. (Mimeogr) *
"Help Yourself [COMBARS]," p. 3.
3. Operational Briefs #4, January 1957, 10 pp. (Mimeogr) *
"Supporting the B-52 Program," p. 4.
"Wind Effects on Labs," p. 5.
"Weather Reconnaissance Newsletter," p. 6.
4. "Handbook for Detachment Commanders," Chapters 1-8, July 1958 (Multi) *
Change A, Aug 59, 4 pp; Change B, Nov 59, 2 pp; Change C, Feb 60, 12 pp. *
5. "Systematic Forecasting Procedures," 3WWCD Letter, 4 November 1958, 3 pp. (Multi) *
6. "Outline of Notes on Operational Procedures of the JNWP Unit," June 1959, 13 pp. (Multi) *
7. "Technical Services Conference 14-15 July 1959," 2 pp. (Multi) *
8. "A Digest of 3d Weather Wing News," The Met Watch, Vol. 1, No. 1, circa December 1959, 9 pp. (Multi) *
9. "Technical Services Policy Book 1958-1959," 25 pp. (Multi) *
10. "'T' is for Thunderstorms," by Major H. W. Meredith, published in Combat Crew, June 1960, pp. 15-17. *
11. "Third Weather Wing Forecast Verifications," 15 July 1960, 8 pp. (Multi) *
12. "Resume 3WW Technical Services Conference, 27-29 September 1960," 7 pp. (Multi) *
13. "Quick Methods to Compute Pressure Altitude for a Base Other Than the Local Base," published in The Met Watch, Vol. II, No. 1, January 1961, p. 10. (Multi) *
14. "Listing of Programs prepared by 3WWg," 14 Feb 1961, 46 pp. (Typescr) *
15. "Use of NMC Facsimile Network (1R2) Products," Letter 3WWCD, 29 March 1961, 6 pp. (Multi) *
16. "Catalogue of 7090 and 704 Programs Under Development or in Use by Hq 3d Weather Wing, 30 April 1961, 104 pp. (Typescr) *

3d WEATHER WING (Cont'd)8th WEATHER SQUADRON (1960-)Item No.

1. "Charts of Mean D-Value (feet) for the 1000-mb Surface," (Sets of Monthly Acetate Sheets for Various Forward Areas and for Westover Base Area) 1960. *

5th WEATHER GROUP (1956-1960)Item No.

1. "Evaluation of Experimental Middle Cloudiness and Precipitation Forecast Chart," by Capt John A. Scuderi, 10 June 1959, 8 pp. (Typescr) *
2. "The Jet Stream Model," 5WGp Forecasters' Notes #5, February 1960, 2 pp. (Mimeogr) plus figs. *
3. "Use of Facsimile Products (NAWAC)," 5WGp Forecasters' Notes #6, April 1960, 3 pp. (Multi) *
4. "Tech Services Items of Interest," 10 March 1960, 3 pp. (Mimeogr) plus charts. *
5. "Tech Services Items of Interest," 7 June 1960, 3 pp. (Mimeogr) *

Technical Reports:

- #1, "Climatological Monthly Charts, (850, 500, 300, and 200 mbs)," October 1959, 51 pp. (Multi) *
- #2, "Climatological Monthly Charts, (250 mb)," February 1960, 16 pp. (Multi) *
- #3, "Climatological Charts - Surface Weather USSR," February 1960, 148 pp. (Multi) *
- #4, "Climatological Charts - Surface Weather North America," April 1960, 71 pp. (Multi) *

9th WEATHER SQUADRON (1956-)Item No.

1. "Tropopause Analysis, Forecasting and Use," by Capt H. Gayikian, 1956, 4 pp. (Typescr) *
2. "The Theoretical Cirrus Chart," Preliminary Report by Joyce E. Harris, June 1958, 8 pp. (Mimeogr) *

3d WEATHER WING (Cont'd)5th WEATHER GROUP (Cont'd)9th WEATHER SQUADRON (Cont'd)Item No.

3. "Refueling Probability Charts," 1958, 2 pp. (Typescr) plus charts. *
4. "Cirrus Analysis and Prognosis," by B. G. Falzgraf, Forecast Center, 1958, 9 pp.
5. "Monthly Flight Planning Data, (500, 300, and 300 mb)," Technical Report #1, December 1959, 37 pp. (Lithopr) *
6. "Use of Standard Deviation and Normal Probability Curves," Climatological Note No. 1, 1960, 5 pp. (Mimeogr) *

26th WEATHER SQUADRON (1956-)Item No.

1. "Connolly Component Project, Final Report," prepared by Lt Colonel Connolly, 1 April 1959, 38 pp. (Multi) * Preliminary Report, April 1958, 12 pp. (Multi) (AD-202203)
2. 2AFM 55-1, "Weather Planning Manual," prepared by 26th Weather Squadron, 1 May 1959. (Multi) * (This manual supersedes 2AFM 55-1, 31 Jan 57)
3. 26WSM 55-1, Draft, "Terminal Forecast Manuals," (Source material to 3WWR 55-34) August 1960, 6 pp. (Mimeogr) (Reproduced but not issued) *

LIST OF 1st WEATHER GROUP PUBLICATIONS (Apr 1952-Oct 1956)
(Formerly 2101st AWGp)

1st WEATHER GROUP

Item No.

Technical Pamphlets:

1. #3, "Von A. Simila's Instability Diagrams and Their Use in Thunderstorm Forecasting," May 1952, 3 pp. (Mimeogr) plus charts. *
2. #4, "Geostrophic Wind-Scale Using Geostrophic Distance," 20 August 1953, 4 pp. (Mimeogr) plus scale. *
3. #5, "Angular Deviation of the True Wind From Geostrophic," September 1953, 5 pp. (Mimeogr) *
4. #6, "The 1000-500-mb Thickness Chart," January 1954, 13 pp. (Mimeogr) *
5. #7, "Use of Dead-Reckoning Computer for Single Grid Machines," March 1954, 8 pp. (Mimeogr) *
6. #8, "Storm Tracks," by Major E. O. Jess, November 1954, 8 pp. (Mimeogr) *
7. "SAC Weather Reports, An Informal Brochure," 1 July 1954, 16 pp. (Photostat) *
8. "SAC Forecasting Manual," September 1954, 258 pp. incl. figs. (Lithopr) Corrections attached, January 1955, 6 pp. *
9. "Weather Station Dossier," 1st WG Manual 55-3, October 1955, 41 pp. incl. maps. (Multi) *
10. "An Objective Method for the Prediction of Cloud Patterns Between 15,000-20,000 Feet," by Capt J. O. W. de Bellefeuille, April 1956, 3 pp. (Typescr) *
11. Operational Briefs #8, November 1955, 12 pp. plus tables (Mimeogr) *
Contents:
"Record Wind Speeds," p. 4.
"Radar Cloud Detection Set AN/TPQ-6," p. 4.
"Correction to 1st Weather Group Technical Pamphlet #9, p.5.
"Observing for the Jet," p. 7.
12. Operational Briefs #11, March 1956, 13 pp. plus tables. (Mimeogr) *
Contents:
"Forecasting for Air Refueling," p. 1.
"High Altitude Water Content," p. 4.

1st WEATHER GROUP (Cont'd)Item No.

13. Operational Briefs #13, May 1956, 19 pp. plus table. (Mimeogr) *
Contents:
"Runway Temperature Readings," p. 1.
"Runway Take-Off Length - More Figures," p. 3.
"Nephanalysis," p. 4.
"Weather Support to B-52s," p. 7.
"Reports of Weather Above the Tropopause," p. 13-14.
"Use of Scope Photos With AN/CPS-9," p. 15.
14. Operational Briefs #14, June 1956, 14 pp. plus table. (Mimeogr) *
Contents:
"More on the CPS-9 (or APQ-13)," p. 7.
"Flight Level Temperatures," p. 7.
15. Operational Briefs #15, August 1956, 18 pp. (Mimeogr) *
Contents:
"There's a Future in the Number Rackets," p. 1.
"Meteorological Equipment News," p. 6.
"High Altitude Weather Course," p. 10.

26th WEATHER SQUADRONItem No.Black Sheep Technical Communiques:

16. #1, "Forecasting Thunderstorm Icing," July 1953, 16 pp. (Ozalid) figs. (AD-80864) *
17. #2, "On the Formation and Development of Waterspouts," 1953, 22 pp. (Ozalid) *
18. #3, "Corposant," August 1953, 5 pp. incl. figs. (Ozalid) (AD-80862) *
19. #4, "Critical Eddies at the B-47 Level," September 1953, 20 pp. (Ozalid) plus figs. *
20. #5, "Forecasting B-47 Exhaust Trails," October 1953, 9 pp. (Ozalid) plus figs. *
21. #6, "Temperature Observations," October 1953, 6 pp. (Ozalid) plus figs. *
22. #7, "B-47 Temperature Observations," October 1953, 6 pp. incl. figs. (Ozalid) *
23. #8, "Estimating the Altitude of Cirrus Bases," November 1953, 4 pp. incl. figs. (Ozalid) photos. *

1st WEATHER GROUP (Cont'd)26th WEATHER SQUADRON (Cont'd)Item No.Black Sheep Technical Communiques:

24. #9, "(U) Two High Altitude Meteorological Problems," November 1953, 4 pp. (Ozalid) (CONFIDENTIAL) *
25. #10, "B-47 Winds Compared With GMD-1 Winds," November 1953, 10 pp. (Ozalid) plus figs. *
26. #11, "Forecasting Thunderstorm Buildups," 1953, 8 pp. (Ozalid) plus figs. *
27. #12, "Turbulent Jet Streams," December 1953, 9 pp. incl. figs. (Multi) (AD-71985) *
28. #13, "Abnormal Stratosphere Temperatures," December 1953, 8 pp. (Ozalid) *
29. #14, "B-47 Meteorological Observing Capabilities," December 1953, 7 pp. (Ozalid) *
30. #15, "B-47 Altimetry," November 1953, 23 pp. incl. figs. (Ozalid) *
31. #16, "The Instability Line of 11-12 April 1953, 32 pp. (Ozalid) *
32. #17, "Exhaust Trail Photography," December 1953, 2 pp. plus photos.* (AD-80863)
33. #18, "(U) Weather Observations by a B-47 Pilot," December 1953, 42 pp. (Ozalid and Ditto) (CONFIDENTIAL) *
34. #19, "Forecasting High Clouds," December 1953, 21 pp. incl. figs. (Multi) *
35. "A Method of Forecasting Cirrus Clouds," by Capt H. Gayikian, circa 1954, 11 pp. (Ozalid) *

LIST OF 4th WEATHER WING PUBLICATIONS (Aug 1959-)
(Formerly 3d Wea Gp)

4th WEATHER WING

Item No.

1. "Wind Forecasts for Helicopter Operations," SS-142, August 1959.
(Multi) *
2. Tech Services Notes #8, 10 November 1959, 7 pp. (Multi) *
(Tech Services Notes 1 to 7, see 3d Wea Gp)
3. "USAF Wind Project 1 Oct - 31 Dec 1959," Progress Report No. 1,
15 January 1960, 5 pp. (Multi) figs. * (Later included in USAFA
Wind Project, Final Report, TAB C, August 1960.)
4. Hq Fourth Weather wing: "Administrative Handbook," 20 January 1960,
90 pp. (Multi) (Rescinded)
5. "Verification of Analyses of Radar Propagation Conditions at MacDill
AFB, Florida," by Capt Don S. Packnett, February 1960, 3 pp.
(Multi) *
6. "Summary of an Approach to Objectively Forecast Short Range Terminal
Weather," March 1960, 15 pp. (Multi) *
7. "USAFA Wind Project 1 Jan - 30 Apr 1960," Progress Report No. 2,
5 pp. (Multi) * (Later included in USAFA Wind Project, Final
Report, TAB D, August 1960)
8. "Verification of 18-Hour JNWP Upper Wind Forecast - Spring Season,"
June 1960 (Multi) *
9. "USAFA Wind Project, Final Report," 2 August 1960. *

Contents:

TAB A: "Measures to be Taken During Severe Weather Conditions,"
USAFAR 105-1, 14 Oct 1959.

TAB B: "Operation Plan Serial No. 59-3," September 1959.

TAB C: "AF Academy Wind Project Progress Report No. 1,
Period 1 Oct - 31 Dec 1959," 15 January 1960.

TAB D: "AF Academy Wind Project Progress Report No. 2,
Period 1 Jan - 30 Apr 1960."

TAB E: "Movie Strip of Aneroid Barometer (attached to
original report only)."

TAB F: Illustration.

4th WEATHER WING (Cont'd)Item No.

9. USAFA Wind Project (Cont'd)
- TAB G: "Catalog - Glass for Construction.
- TAB H: Photo.
- TAB I: "A Direct Measurement of Infra-red Radiation Divergence to 160 mb," by V. E. Suomi, et al., published in Qtrly Journ. Roy. Met. Soc., Vol. 84, No. 360, April 1958, pp. 134-141.
- TAB J: Smoke Tunnel Scenes (attached to original report only)
- TAB K: Photos.
- TAB L: "Forecasting Winds at the AF Academy," by M/Sgt Frank J. Hays.
- TAB M: "Wind Speeds and Tree Damage," July 1960.
- TAB N: PPG Data Handbook, Fourth Edition 1961.
10. "Preparation of Upper Wind Forecasts for SAGE Computers," Letter to 4WWg Squadrons, 11 October 1960, 6 pp. (Multi)
11. "SAGE weather Support Project," Letter to AWS, 14 December 1960, 4 pp. plus 6 attachments (Multi) *
12. "Forecasting Winds at the Air Force Academy," by M/Sgt Frank J. Hays, Det 5, USAFA, 1960, 5 pp. (Multi) plus figs. * (Later included in USAFA Wind Project, Final Report, TAB L, August 1960)
13. NORAD Manual 55-3, "Weather Support to NORAD," October 1960. (This manual supersedes 4WWM 55-1, circa 1958)
14. "(U) Effectiveness of the SAGE System in Relation to Wind Forecast Capability," by Eugene M. Darling (GRD) and Capt Clifford D. Kern, SWO ADC CC DSO, January 1961, 127 pp. (Multi) (CONFIDENTIAL) *
15. "Weather as You Need It," by Colonel K. L. Linder, published in Interceptor, January 1961, pp. 16-19. *
16. NORAD Manual 55-3, "Weather Support for Air Defense," February 1961, 63 pp. (Lithopr) * (This manual supersedes NORAD Manual 55-3, Oct 60)
17. 4WW Supplement 1A to AWSR 55-24, February 1961, 5 pp. (Multi) *
18. "The Art of Communicating the Weather Forecast," by Lt Colonel J. E. French, May 1961, 7 pp. (Multi) *

4th WEATHER WING (Cont'd)Anomalous Propagation Studies:

Report No. 1, for 660th AC&W Squadron, MacDill AFB, prepared by Capt Don S. Packnett, February 1960, 4 pp. (Multi) *

Report No. 2, for 660th AC&W Squadron, MacDill AFB, prepared by Capt Don S. Packnett, March 1960, 7 pp. (Multi) *

Report No. 3, for 660th AC&W Squadron, MacDill AFB, prepared by Capt Don S. Packnett, June 1960, 10 pp. (Multi) *

Report No. 4, for 660th AC&W Squadron, MacDill AFB, prepared by Capt Don S. Packnett, August 1960, 7 pp. (Multi) *

Report No. 5, for 660th AC&W Squadron, MacDill AFB, prepared by Capt Don S. Packnett, November 1960, 6 pp. (Multi) *

Final Report, for 660th AC&W Squadron, MacDill AFB, prepared by Capt Don S. Packnett, January 1961, 29 pp. (Multi) *

Climatological Studies:

4WW-514, "Climatology Input to SAGE," January 1960, 6 pp. (Multi) figs. *

4WW-517, "A Condensed Version of Severe Weather April-August 1958," February 1960, 82 pp. (Multi) *

4WW-518, "List of References to Articles on Severe Weather," February 1960, 10 pp. (Multi) *

4WW-519, "Thunderstorm and Tornado Charts for the U. S.," February 1960, 17 pp. (Multi) *

4WW-520, "A T-33 Encounters Hail at 35,000 Feet," March 1960, 1 p. (Multi) plus photos. *

4WW-521, "ADC Weather Factor Accident Statistics for July 1953 through December 1959," March 1960, 2 pp. (Multi) *

4WW-524, "Time Variations in Upper Winds," 27 May 1960, 42 pp. (Multi) * (AD-238126)

4WW-537, "Fall Mean Vector Wind Charts for SAGE Operations," September 1960, 5 pp. (Multi) *

4th WEATHER WING (Cont'd)Item No.Consultant Handouts:

1. "Central Weather Facility (CWF) Products: 4WW Concept of the Proper Use of CWF Products; Philosophy of Operation and Procedures at NAWAC; Use of CWF Products for Forecasting in the 4WW Detachments," circa March 1960, 30 pp. (Multi) *
2. "Upper-Air Analysis and Forecasting: Height of Pressure Surfaces; Random and Systematic Errors; Correction for Radiation Errors on Very High Constant-Pressure Charts; Winds, the Error Envelope; Use of CWF Products in Making High-Level Wind Forecasts; The Trans-Topopause Wind System; Wind Variance Estimates," circa March 1960, 55 pp. (Multi) *
3. "Meteorological Height Corrections to Radar Height Finders," 23 March 1960, 3 pp. (Multi) plus figs. *
4. "TIROS Briefing to General Kuter," by Lt Colonel R. C. Bundgaard, 4WW Satellite Briefing Series Part I, 17 April 1960, 5 pp. (Multi) *
5. "TIROS and Transit," 4WW Satellite Briefing Series, Part II, 24 June 1960 (Accompanied by 9 Vue-graphs) 11 pp. (Multi) *
6. "TIROS Briefing to General Kuter," by Lt Colonel R. C. Bundgaard, 4WW Satellite Briefing Series, Part III, 3 May 1960, 4 pp. (Multi) *
7. "Recent Development in Air Defense Weather Instrumentation," (Accompanied by 8 Vue-graphs) 1 June 1960, 7 pp. (Multi) *
8. "SAGE Weather Requirement and Capabilities," (Accompanied by 15 35 mm slides), 31 August 1960, 69 pp. (Typescr) *
9. "(U) Weather Requirements for the BMEWS System," (Accompanied by 11 35 mm slides, 16 Vue-graphs w/flips), October 1960, 31 pp. (Typescr) plus 8 pp. manuscript. (SECRET) *
10. "Central Weather Facility (CWF) Products," 1960, 30 pp. (Multi) *

LIST OF 3d WEATHER GROUP PUBLICATIONS (Apr 1952-Aug 1959)

3d WEATHER GROUPItem No.

1. Technical Bulletin, Vol. 1, No. 1, November 1952, 10 pp. (Mimeogr) *
Contents:
"An Introduction to the Intercept Problem," by Major M. P. Woodall, pp. 1-3.
"Notes on Coastal Stratus in Southern California," by 1/Lt W. R. Johnson, pp. 4-7.
"Remarks on the Preparation and Application of USWB - 6 Day Extended Period Forecasts," by Major R. Papania, pp. 8-10.
2. Technical Bulletin, Vol. 1, No. 2, March 1953, 16 pp. (Mimeogr) *
Contents:
"Diurnal Height Variation of the Temperature Inversion in Southern California," by 1/Lt W. R. Johnson, pp. 1-6.
"Forecasting Winds Aloft for Air Defense Operations," by Major O. F. Duker, pp. 7-9.
"An Example of Ballistic Winds for Jet Aircraft," by Major M. P. Woodall, pp. 10-13.
"An Operational Use of Radar Weather Data," by Major O. F. Duker, pp. 14-15.
"News and Notes — More on British Slant-Range Experiments," by S/Sgt J. H. Bump, p. 16.
3. Technical Bulletin, Vol. 1, No. 3, June 1953, 15 pp. (Multi) *
Contents:
"Television for Weather Briefings," by 4th Wearon, pp. 1-4.
"Methods of Improving the Efficiency in Taking and Disseminating Surface Observations," by Major W. M. Martin, pp. 5-6.
"A MET Watch System for ADC Operations," by Major O. F. Duker, pp. 7-9.
"Design of a Forecast Experiment," by Major M. P. Woodall, pp. 9-10 and 15.
"Preliminary Report on a Study of Ceilings 1500 feet or Below at Minn-St Paul International Airport, Minneapolis, Minn," by Det 2 and 5, 19th Wearon, pp. 11-15.
4. Technical Bulletin, Vol. 1, No. 4, October 1953, 18 pp. (Multi) *
Contents:
"Consolidation of Air Force and Army Anti-Aircraft Upper Air Observations at Selfridge AFB," by Major E. B. Feathers, pp. 1-3.
"Yes or Snow - An Objective Method of Forecasting Wintertime Precipitation at Colorado Springs," by Capt R. S. Holz, pp. 3-6.
"Sources of Data for Local Forecast Studies," by Capt C. L. Ball, pp. 6-8.
"Investigation of the Upper-Flow Parameter in the Forecast of Thunderstorm Movements in the 34th Air Defense Identification Zone," by Capt W. C. Trevorrow, pp. 8-16.
"ADC Staff Weather Briefing," by G. M. St. John, pp. 17-18.

3d WEATHER GROUP (Cont'd)Item No.

5. Technical Bulletin, Vol. II, No. 1, March 1954, 13 pp. (Multi) *
Contents:
"On Analyzing and Forecasting a Stability Index Field," by Capt D. S. Foster, 2 pp.
"Operation Cross Wind," by Lt Colonel W. A. Stricklen, 2 pp.
"The Sonic Boom," by Capt W. Phillips, 5 pp.
"Improved Radioactivity Fall Out Plotting Equipment and Procedures," by Capt F. J. Adelman, 2 pp.
"An Operational Aid," by S/Sgt C. J. Staub, 2 pp.
6. Technical Bulletin, Vol. II, No. 2, June 1954, 19 pp. (Multi) *
Contents:
"Integrated RAWIN Section at Niagara Falls, N. Y.," by Capt R. E. Drewitz, pp. 1-5.
"Interceptor Positioning and Recovery in the ADC - SAC Summer Exercise," by Major B. F. Walker, p. 6.
"The Strong-Wind Interceptor Positioning Problem," by Colonel T. H. Beeson, pp. 7-15.
"Computation of Flight Distance for Recovery of Fighter-Interceptor Aircraft," by Major C. Ready, Jr., pp. 16-17.
"Effect of True Air Speed Computations on Verification of Upper Wind Forecasts," by Capt W. R. King, p. 18.
"The 128th National AMS Meeting," by Capt H. H. Dunning, p. 19.
7. Technical Bulletin, Vol. II, No. 3, September 1954, 19 pp. (Multi) *
Contents:
"Badge 25250," by Capt W. C. Trevorrow, pp. 1-7.
"Numerical Forecasting," by Major D. B. Mitchell, pp. 8-9.
"Three-Dimensional Winds-Aloft Model," by S/Sgt C. J. Staub, pp. 10-11.
"Mean Upper Winds for Division Area," by Major R. Wright, pp. 12-13.
"The Use of a Remote Wind-Speed Indicator as a Forecast Tool," by Capt W. C. Trevorrow, pp. 14-18.
"The Editor's Corner," by Major B. F. Walker, P. 19.
8. Technical Bulletin, Vol. II, No. 4, December 1954, 18 pp. (Multi) *
Contents:
"T-33 Take-Off Roll," by Capt R. C. Burriss, pp. 1-5.
"The New Standard Atmosphere," by M/Sgt J. L. Hinds, pp. 6-7.
"Combination Shelf for the Observer's Stand," by S/Sgt S. S. Sopczek, pp. 8-9.
"Strong Wind Cruise Control for Jets," by Major B. F. Walker, pp. 10-14.
"Wire Recording of Telephone Briefings," by Capt W. C. Trevorrow, p. 15.
"Climatology and Airport Acceptance Rate," by Capt R. C. Burriss, pp. 16-17.
"The 3d Weather Group Technical Improvement Program," by Major D. B. Mitchell, p. 18.

3d WEATHER GROUP (Cont'd)Item No.

9. Technical Bulletin, Vol. III, No. 1, March 1955, 20 pp. (Multi) *
Contents:
"Meteorological Grammar and Skeleton Keys," by Major B. F. Walker
pp. 1-2.
"Skeleton Key No. 1: Temperature and Cyclogenesis," by Major
D. B. Mitchell, pp. 2-11.
"Radioactivity Ground Fall-Out Plots," by Major H. W. Silk, Jr.,
and Capt C. C. Hardin, pp. 12-13.
"Note" by Capt R. C. Burriss, pp. 14-15.
"Pilot Report," by M/Sgt G. R. Wooten, Jr., pp. 16-20.
10. Technical Bulletin, Vol. III, No. 2, June 1955, 19 pp. (Multi) *
Contents:
"Salesman All —," Editorial by Lt Colonel P. M. Huber, p. 1.
"Nephanalysis," by Major C. H. Wells, p. 2.
"A Supplemental Method of Forecasting Thunderstorms and Related
Phenomena," by 1/Lt F. N. Reece, pp. 3-13.
"Weather Training for the AC/W Director," by Lt Colonel L. C.
Schubert, pp. 14-19.
11. Technical Bulletin, Vol. III, No. 3, September 1955, 20 pp. (Multi) *
Contents:
"Editorial," by Colonel R. K. Pierce, Jr.
"The Refractometer," by Major L. W. Cowan, pp. 1-4.
"Precipitation Attenuation," by Major W. Phillips, pp. 5-9.
"Storm Detection by a Radar Network," by Dr. M. G. H. Ligda, pp. 9-13.
"Observing Hurricanes by Radar," Ed. by Major W. Phillips, pp. 14-18.
"Precipitation Detection Comparison of the CPS-6B and FPS-3 Radars,"
by Major W. Phillips, pp. 18-20.
12. Technical Bulletin, Vol. III, No. 4, December 1955, 17 pp. (Multi) *
Contents:
"Editorial," by Major W. W. Thurston, p. 1.
"Preventive Maintenance Suspense File," by WO. F. L. Beresford,
pp. 2-3.
"Weather Forecasting as a Problem in Mechanics and Physics," by
Dr. V. Bjerknes, pp. 4-10.
"Standardized Temperature Notation," by Capt R. C. Burriss, pp. 11-13.
"A New Contribution to the Study of Incipient Cyclogenesis as
Observed on the AN/CPS-9 PHI Scope," by A. C. Bemis and Dr. A.
Fleisher, pp. 14-17.

3d WEATHER GROUP (Cont'd)Item No.

13. Technical Bulletin, Vol. IV, No. 1, March 1956, 19 pp. (Multi) *
- Contents:
- "Editorial," by Colonel A. W. Anderson, p. 1.
 - "Contrail Forecasting at Albuquerque: A Preliminary Study," by 1/Lt C. D. Kern, pp. 2-6.
 - "Effect of Power Settings on Contrail Formation," by Capt H.H. Dunning, p. 7.
 - "Normality of a Population and Conclusions Therefrom," by T/Sgt J. L. Rosenberry, p. 7.
 - "The Scientific Services Conferences," by Major H. D. McIntyre, pp. 8-9.
 - "Forecasting of Winds Aloft at Division Weather Stations," by Det 3, pp. 10-12.
 - "Forecasting Radiation and Fog and Stratus," pp. 13-15.
 - "A Survey of Objective Forecast Studies Now Being Made in the 3d Wea Gp., by H. Searby, pp. 16-18.
14. Technical Bulletin, Vol. IV, No. 2, June 1956, 19 pp. (Multi) *
- (AD-233884)
- Contents:
- "Editorial," by Lt Colonel E. H. Karstens.
 - "The Problem Short-Range Forecast Verification," by Major B. F. Walker, pp. 1-19.
15. Technical Bulletin, Vol. IV, Nos. 3 and 4, December 1956, 21 pp. (Multi)*
- Contents:
- "Editorial," by Lt Colonel S. A. Bird, Jr.
 - "The Forecasting of Widespread Prolonged Post Cold-Frontal Weather," by R. J. Shafer and P. W. Funke, Eastern Air Lines, pp. 1-5.
 - "The 147th National Meeting of the AMS 5-7 September 1958, Albuquerque," by Major A. W. Waldron, pp. 5-7.
 - "Types of Precipitation Forecast - Winter," by J. T. Hilworth and R. W. Bailey, Eastern Air Lines, pp. 8-21.
16. Technical Bulletin, Vol. V, No. 1, March 1957, 20 pp. (Multi) *
- Contents:
- "Editorial," by Lt Colonel P. M. Huber.
 - "Results of Synoptic Tests Applied to Certain Forecasting Rules," by Henry T. Harrison, pp. 1-6.
 - "Rules From Eastern Air Lines Local Forecast Studies," pp. 6-12.
 - "Rules From AWS Local Forecasting Studies," pp. 12-14.
 - "Rules From WB Local Forecasting Studies," pp. 14-15.
 - "Rules From 3 Wea Gp Local Forecasting Studies," pp. 16-17.
 - "Low Cloud Ceiling Forecasting," by Major A. W. Waldron, pp. 18-20.
17. Technical Bulletin, Vol. V, No. 2, June 1957, 19 pp. (Multi) *
- Contents:
- "Editorial," by Lt Colonel E. H. Karstens.
 - "Nuclear Weapons," by Major R. C. Burriss, pp. 1-19.

3rd WEATHER GROUP (Cont'd)Item No.Technical Papers:

18. #1, "Computing the Index of Refraction of the Atmosphere," May 1952, 17 pp. (Multi) *
19. #2, "Forecasting Refractive Index Profiles in the Atmosphere," by Major L. W. Cowan, September 1953, 80 pp. (Multi) (AD-36347) *
20. #3, "Interpreting Refractive Index Profiles in Terms of Radar Coverage," by Major L. W. Cowan, October 1953, 99 pp. (Multi) (AD-23234) *
21. #4, "Interpretation of Precipitation Echoes Observed by CONAD Radar," by Major W. Phillips, August 1955, 56 pp. (Multi) (AD-79219) *
22. #5, "Climatological Information for Weather Briefings," November 1956, 142 pp. (Lithopr) * (AD-128475)
23. #5 (Rev), "Climatological Information for Weather Briefings," June 1958, 286 pp. (Lithopr) (AD-202011) *
24. #6, "Verification of 3-hourly Forecasts," March 1957, 29 pp. (Multi) *
25. Seminar Topic #1, "Short Range (One-to Three-Hour) Forecast," by Major D. B. Mitchell, circa July 1955, 3 pp. (Lithopr) *
26. Seminar Topic #2, "Forecasting Thunderstorms and Related Activity," by Major D. B. Mitchell, circa 1955, 10 pp. (Lithopr) *
27. "Weather in Air Defense," by Major O. F. Duker, 15 July 1952, 52 pp. (Lithopr) *
28. "Weather and Radar Siting," by Major L. W. Cowan, 1953, 8 pp. (Ozalid)*
29. "Planning With Weather for Air Defense," by Capt W. Phillips, June 1953, 43 pp. (Lithopr) *
- 29a. "A Method of Determining the Percent Frequency of Occurrences that an AI Approach Must be Made to a Target Due to Cloudiness," prepared by Consultant Section, August 1953. (Multi) *
30. "Weather Applied to Air Defense Planning," September 1953, 6 pp. (Lithopr) *

3d WEATHER GROUP (Cont'd)

Item No.

31. "Mean Frequencies on Non-Visual Target Approaches," September 1953, 29 pp. (Lithopr) *
32. "Doctrine of Weather Service for Air Defense Operations," circa 1954, 21 pp. (Lithopr) *
- 32a. "Strong Wind Cruise Control Chart (for Jets)," 1954.
33. "Weather for the Intercept," by Major O. F. Duker, July 1954, 42 pp. (Lithopr) *
34. "Contrails as Detection Tools," by Capt H. H. Dunning, 1954, 17 pp. (Lithopr) (AD-232996) *
35. "Orientation Manual for the Weather Squadron," circa 1954 (Lithopr) *
Contents:
Introduction.
I. "Current Practice in Air Defense."
II. "Weather in Air Defense," 15 July 1952.
III. "Weather for the Intercept," July 1954.
IV. "Planning With weather for Air Defense."
V. "Doctrine."
VI. "Annotated Bibliography."
- 35a. "Wind Shear Effect on Jet Landings," by Capt R. C. Burriss, published in Archie Flash, March 1955.
36. "Cumulative Index, Technical Bulletins 1952-1955," 3 pp. (Multi) *
- 36a. "Dissemination of ADC RAREPS on AF Weather Circuits," by Colonel J. C. Meyer, (CONAD), and Colonel R. K. Pierce, 14 May 1955, 6 pp. (Multi)
37. "Frequency of Below VFR Flying Weather at ADC Bases," May 1955, 43 pp. (Lithopr) *
- 37a. "(U) Infra-red Radiation Over the United States," prepared jointly by Consultant Services Division and Gerald L. Barger, 1 April 1957, 108 pp. (Lithopr) (CONFIDENTIAL) *
38. 3d WGP Manual 55-1, "Weather Service for Air Defense Operations (Manual System)," April 1957. (Multi) * Revised parts, 1 May 1958.
39. 3d WGP Manual 55-2, "(U) Weather Service for the SAGE System of Air Defense," 1 July 1957 (SECRET) (Multi) *
- 39a. "Frequency of Below VFR Flying Weather at Selected Bases," prepared by Climatology Section, 3WG-451, February 1958, 57 pp. (Lithopr) * (This study supersedes "Frequency of Below VFR Flying Weather at ADC Bases," May 1955)

3d WEATHER GROUP (Cont'd)Item No.

- 39b. Reprint of "Giant Electrical Storms," by Bernard Vonnegut and Charles B. Moore, The Office of Naval Research, Nonr-1684(00), 15 March 1958, 21 pp. (Lithopr) *
40. "History of Climatic Support for the Air Force Academy Construction Agency and the Air Force Academy," 30 June 1958, 118 pp. (Multi) (AD-202010) *
- 40a. "Air Power," by Lt Colonel R. C. Bundgaard, published in Geophysical Magazine, Vol. 29, No. 1, November 1958, pp. 37-44. *
41. "Wind Grid Spacing in SAGE System," Climatology Study 3WG-489, November 1958, 8 pp. (Multi) plus figs. *

Tech Services Notes:

42. #1, 28 July 1958, 6 pp. (Mimeogr) *
43. #2, 29 August 1958, 10 pp. (Mimeogr) *
44. #3, 15 October 1958, 7 pp. (Mimeogr) *
45. #4, 1 December 1958, 6 pp. (Mimeogr) *
46. #5, 15 January 1959, 7 pp. (Mimeogr) *
47. #6, 6 March 1959, 9 pp. (Mimeogr) *
48. #7, 25 May 1959, 8 pp. (Mimeogr) *
- (See 4 wea wg for Tech Services Note #8)
- 48a. "(U) The Effect of Wind Errors on SAGE-Guided Intercepts," by Capt Kern, SWO, ADSCID, 1958. (CONFIDENTIAL) [Obsolete]
- 48b. Reprint of "A Theoretical Estimate of Draft Velocities in a Severe Thunderstorm," by Dansy T. Williams, USWB, published in Monthly Weather Review, February 1959, pp. 65-67. *
- 48c. "Hail. Yes!" published in MATS Flyer, February 1959, pp. 11-12. *
49. "A Preliminary Study of the Correlation of Observed Refractive-Index Gradient With Computed Height-Finder Errors," prepared by Technical Services, 5 February 1959, 10 pp. (Multi) *
- 49a. "Systematic Wind Forecast Procedure for ADC," February 1959, 14 pp. (Multi) *
- 49b. "3d Weather Group Supply Guide," 15 March 1959, 25 pp. (Mimeogr)

3d WEATHER GROUP (Cont'd)

Item No.

- 50. "A Method for Converting Sea Level Pressure to Altimeter Setting," 17 March 1959, 3 pp. (Typescr) plus figs. *
- 51. "Occurrence of Anomalous Propagation Surface Echoes at Seven AC and W Sites," May 1959, 3 pp. plus figs. (Multi) *

4th WEATHER SQUADRON (1952-1959)

Item No.

- 52. "Televised Weather Briefings 12-27 January 1953," presented by 1354th Video Production Squadron, 13 pp. (Mimeogr) *
- 53. "Detachment Commanders' Conference 18-20 September 1956," 8 pp. (Multi) *
- 54. "A Guide to Methods in Research; Fundamental Principles," prepared by Technical Consultant Section, March 1957, 14 pp. (Photostat) *
- 55. "Use of the Wind Parameter as a Predictor in Objective Forecasting Techniques," March 1957, 4 pp. (Multi) *
- 56. "Standing Operating Procedure, AF Pacific Coast Hurricane Liaison Officer, Hamilton AFB," 29 August 1959, 8 pp. (Multi) *

11th WEATHER SQUADRON (Jun 58-Aug 59)

Item No.

- 57. "Professionalism," by Lt Colonel J. Fahey, 1958, 3 pp. (Mimeogr)
- 58. "Weather on the Other Foot," by Major C. E. Everson, published in Interceptor, January 1959, pp. 14-15. *

12th WEATHER SQUADRON (Apr 52-Aug 59)

Item No.

- 59. "The Contingency Table and the Skill Score," in Digest #19, October 1956, pp. 4-5. (Mimeogr) *
- 60. "Visibility Restrictions Due to Smoke," by 1/Lt D. S. Merrilees, 1 August 1956, 7 pp. (Mimeogr) *
- 61. "Radar Hurricane Surveillance Operations Plan 1-57," 14 May 1957, 16 pp. (Mimeogr) *

3d WEATHER GROUP (Cont'd)

12th WEATHER SQUADRON (Cont'd)

Item No.

- 62. "A Study of 6-Upper Wind Forecasts for 30,000 and 40,000 Feet," prepared by Det 2, 1958, 4 pp. (Mimeogr) plus tables, charts. *
- 63. "Development of a Wind Chill Factor Graph for O'Hare International Airport, Park Ridge, Illinois," by Major Richard A. McClurg and Capt Clair D. Mills, March 1959, 6 pp. (Ozalid) *

19th WEATHER SQUADRON (Apr 52-Aug 59)

Item No.

- 64. "A Supplemental Method of Forecasting Thunderstorms and Related Phenomena," by 1/Lt Floyd N. Reece, Det 1, December 1954, 7 pp. (Mimeogr) *

LIST of 2nd WEATHER GROUP PUBLICATIONS (Apr 1952-)
(Formerly 2102nd AWGp)

2nd WEATHER GROUP

Item No.

1. "Detachment Commanders Conference 15-16 October 1952," 106 pp. (Mimeogr) plus photo. *
2. "A Study of the Meteorological Organization to Provide Weather Service for the Field Army," October 1952, 55 pp. (Multi) *

Technical Notes:

3. #1, "Some Meteorological Aspects of Jet Flight Planning," October 1952, 7 pp. (Mimeogr) *
4. #2, "Some Meteorological Aspects of Jet Flight Planning and Navigation," December 1952, 8 pp. (Mimeogr) *
5. #3, "Icing and the C-124," February 1954, 4 pp. (Mimeogr) (AD-235430) *
6. #4, "Weather and Radar Operations," May 1954, 4 pp. (Mimeogr) *
7. "An Analysis of AWS Operations in Exercise Long Horn," March 1953, 65 pp. (Multilith) *
8. "(U) Weather Support of Tactical Atomic Warfare, Chapt V, Meteorological Modifications on weapons Effects," 1953, 19 pp. (Mimeogr) (SECRET) *
9. "(U) Weather Doctrine for Chemical and Biological Tactical Air Operations," June 1953, 15 pp. (CONFIDENTIAL) *
10. "(U) Research and Development Requirements for Improved Weather Support of Tactical Operations," March 1954, 10 pp. (Ozalid) (SECRET) *
11. "A Study of the Weather Communications Services Required by AWS Elements Serving the Tactical Air Command/Army Group Team," May 1954, 18 pp. (Multi) plus 19 Appendices. *
12. "(U) Weather Support of B-61A Operations (Series A)," December 1954. (Multi) (SECRET) *
13. "Tactical Weather Service Organization," 1 December 1954, 23 pp. (Multi) *
14. "Tactical Weather Service Organization," (Revised) 1 May 1955, 19 pp. (Multi) *

2nd WEATHER GROUP (Cont'd)Item No.

15. Lesson Plan Number Seven, "The Use of Storm Detection Radar," in Weekly Bulletin #25, 29 July 1955 (Multi) *
16. Lesson Plan Number Eight, "Weather Hazards," in Weekly Bulletin #27, 19 August 1955. (Multi) *
17. Lesson Plan Number Nine, "Weather Data and Forecasts for Aircraft Clearances," in Weekly Bulletin #30, 23 September 1955 (Multi) *
18. Lesson Plan Number Eleven, "Climatology for Tactical Air Operations," in Weekly Bulletin #38, November 1955. (Multi) *
19. "Tropopause Analysis and Surface Forecasting," by 1/Lt W. M. Culkowski, 9 February 1956, 10 pp. (Mimeogr) plus figs. * (Bull. Amer. Met. Soc. May 56)
20. Lesson Plan Number Fourteen, "UHF Pilot-to-Forecaster Service," in Weekly Bulletin #5, 17 February 1956. (Multi) *
21. Lesson Plan Number Fifteen, "Wind Shear," in Weekly Bulletin #9, 30 March 1956. (Multi) *
22. "A Method for Forecasting Turbulence, Showers, and Thunderstorms," by CWO F. P. Finnicum, in Weekly Bulletin #13, 4 May 1956. (Multi) (Reprinted from 2d WWg Technical Bulletin, February 1956) *
23. Lesson Plan Number Ten (Rev), "Implementation of the 3-Hourly-20 Minute Scan Observational Transmission Program," in Weekly Bulletin #18, 8 June 1956. (Multi) *
24. "Jet Pilot Pitfalls," in Weekly Bulletin #26, 10 August 1956 (Multi) *
25. Lesson Plan Number Eighteen, "The Jet Stream," in Weekly Bulletin #27, 24 August 1956. (Multi) *
26. Lesson Plan Number Nineteen, "Aircraft Icing," in Weekly Bulletin #32, 5 October 1956. (Multi) *
27. "Instructions to Trainee," in Weekly Bulletin #42, 28 December 1956. (Multi) *
28. "Briefing Items of Special Interest During Jet Operations," in Weekly Bulletin #1, 4 January 1957. (Multi) *

2nd WEATHER GROUP (Cont'd)Item No.

29. "Weather Observer OJT Study Guides" (1956-57):
1. "Clouds and Observing Phenomena - Part I."
 2. "Clouds and Observing Phenomena - Part II."
 3. "Visibility, Weather, and Obstructions to Vision."
 4. "Measuring and Recording Temperature."
 5. "Measuring and Recording Humidity."
 6. "Measuring and Recording Atmospheric Pressure."
 7. "Measuring and Recording Surface Wind," in Weekly Bulletin #2. *
 8. "Measurement of Precipitation."
 9. "Types of Observation; Coding and Dissemination; Entries on
WBAN-10."
 10. "Pilots Report."
30. "Minimal Flight Planning for High Level Flights," by Capt R. R. Ruyle,
1958, 22 pp. (Ozalid) *
31. "Some Applications of Time Front Concepts to Multi-Stage Flight
Planning," 1958, 11 pp. (Multi) *
32. "Wind Study Project 50.8, Post Test of Meteorological Data," 18 April
1958, 4 pp. (Typescr) *
33. "Post Analysis of Severe Icing Situation Over Central Illinois
3 January 1959," 2 pp. (Typescr) plus diagrams. * (See also report
by Capt Myron Cox, item 34)
34. "A Semi-Objective Technique for Forecasting Aircraft Icing Levels and
Intensities," by Capt Myron K. Cox, Det 2, 1959, 3 pp. (Typescr)
plus overlay. *
35. Supplement No. 1, to AWSM 105-33, "Radioactivity Fall-Out Plots,"
23 March 1959, 4 pp. (Multi) *

2nd WEATHER GROUP (Cont'd)Item No.

36. "Climatological Facts for Langley AFB, 1919-1956," September 1958; Shaw AFB, Det 4, 3d Wea Sq., May 1959; Luke AFB, Det 30, 25th Wea Sq., May 1959; Sewart AFB, Det 16, 3d Wea Sq., May 1959; Myrtle Beach AFB, Det 3, 3d Wea Sq., May 1959; James Connally AFB, May 1959; Cannon AFB, Det 22, 25th Wea Sq., May 1959; England AFB, Det 21, 25th Wea Sq., May 1959; Nellis AFB, Det 31, 25th Wea Sq., May 1959; Pope AFB, Det 20, 3d Wea Sq., May 1959; Williams AFB, Det 32, 25th Wea Sq., May 1959; Seymour Johnson AFB, Det 12, 3d Wea Sq., May 1959; George AFB, Det 23, 25th Wea Sq., May 1959. (Wallet size cards)
37. Supplement No. 1A, to Supplement No. 1, to AWSM 105-33, "Radioactivity Fall-Out Plots," 6 June 1959, 2 pp. (Multi) *
38. "A Test on the Use of the JNWP 500 mb Absolute Vorticity Chart to Forecast Precipitation at Langley AFB," by M/Sgt J. J. Pappas, January 1960, 11 pp. (Multi) (AD-231057) *
39. "Master List of 2WG Approved Local Area and Terminal Forecast Studies through 1 January 1960," 15 May 1960, 3 pp. (Multi) *
40. Supplement No. 1, to AWSM 105-41, "Severe Weather Warnings," 14 October 1960, 3 pp. (Multi) *
41. Supplement No. 1A to Supplement No. 1, to AWSM 105-41, "Severe Weather Warnings," 8 February 1961, 1 p. (Multi) *
42. Supplement No. 1B to Supplement No. 1, to AWSM 105-41, "Severe Weather Warnings," 4 April 1961, 1 p. (Multi) *

Manuals:

- 50-1, "Instructor Discussion Outlines Pilot Weather Training Program," by Langley Forecast Center Operations, August 1957, 51 pp. (Multi) *
- 50-2/1, "Reading and Seminar Program in Meteorology, Series I, Prognostic Analysis," 25 June 1958, 27 pp. (Multi) *
- 50-2/3, "Reading and Seminar Program in Meteorology, Series III, Fog and Stratus," November 1959, 11 pp. (Multi) *
- 50-2/4, "Reading and Seminar Program in Meteorology, Series IV, Severe Weather," 30 April 1960, 11 pp. (Multi) *
- 50-2/5, "Reading and Seminar Program in Meteorology, Series V, Local Surface Chart," 30 July 1960, 17 pp. (Multi) *
- 50-2/6, "Reading and Seminar Program in Meteorology, Series VI, Skew T-Log p Diagram," 30 October 1960, 16 pp. (Multi) *

2nd WEATHER GROUP (Cont'd)Manuals:

- 50-2/8, "Reading and Seminar Program in Meteorology, Series VIII, Clear Air Turbulence," 30 April 1961, 36 pp. (Multi) *
- 55-1, "Weather Support to Tactical Forces," August 1957, 27 pp. (Multi) *
- 55-2, "Support Procedures for Tactical Air Command," 10 February 1958, 63 pp. (Lithopr) *
- 55-2A, "Climatological Annex," May 1958, 12 pp. incl. charts. (Lithopr) *
- 55-2, "Support Procedures for Tactical Air Command With Climatological Annex," 1 May 1959.
- 105-1, "Climatological Data Summaries," 1 May 1959 (Multi) *
- 105-1A, "Climatological Data Summaries," 10 December 1959 (Lithopr) *
- 105-1B, "Climatological Data Summaries," 18 January 1960 (Lithopr) *
- 105-1, "Climatological Data Summaries," 1 July 1960 (Lithopr) *
(This manual supersedes 105-1, May 59; 105-1A, Dec 59; 105-1B, Jan 60)
- 105-1A, "Climatological Data Summaries," 28 February 1961, 57 pp. (Lithopr) *

25th WEATHER SQUADRON (1952-)Item No.

1. "Weather Support of Airlift Army Exercise Brush Bay," prepared by Major E. J. McManus, April 1953, 46 pp. (Mimeogr) *
2. "Hurricane Report for 1955," prepared by Det 7, 67 pp. (Multi) *
3. "Weather Observation Training Program, Examination I":
 - "Part I, Clouds and Obscuring Phenomena."
 - "Lesson 1, Part I, Clouds."
 - "Lesson 2, Part I, Visibility."
 - "Part II, Atmospheric Phenomena."
 - "Part III, Precipitation."
 - "Part IV, Temperature."
 - "Part V, Humidity."
 (published in Local Extra, Vol. V, No. III, June 1956) (Mimeogr) *

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2nd WEATHER GROUP (Cont'd)

3d WEATHER SQUADRON (1952-)

Item No.

1. "Hurricane Report for 1957," prepared by Det 18, 34 pp. (Multi) *
2. "Hurricane Briefing Material," prepared by Major Wayne Smith,
August 1958, 36 pp. plus figs. (Mimeogr) *
3. "Annual Report of the AF Hurricane Liaison Officer," December 1959,
67 pp. (Multi) plus charts, maps. *

LIST OF 4th WEATHER GROUP PUBLICATIONS (Apr 1952-)

4th WEATHER GROUPItem No.

1. "A Brief Outline of the Methods Employed in Calculating an Upper-Air Sounding," circa 1952, 8 pp. (Multi) *
2. "Accuracy of Upper Air Observations," by Capt J. Burriss, 1952, 18 pp. (Multi) *
3. "Report on a Cirrus Cloud Band," by Lt Colonel W. H. Wyatt, Det 23, May 1953, 3 pp. (Typescr) plus figs. *
4. "A Verification Study of 700-mb 24-hour Prognostic Charts," by Capt J. W. Reed, Det 23, circa 1953, 22 pp. incl. figs. (Ozalid) *
5. "(U) New Weapons and Meteorology," [1st Ed.] 12 October 1953, 16 pp. (Multi) (SECRET) *
6. "Report on the 1954 Nevada Proving Grounds Wind Project," September 1954, 76 pp. incl. charts. *
7. "Spatial Wind Relationships in Northwest Florida," by Lt D. W. Stevens and Lt N. E. Bowne, Det 10, 1955, 14 pp. (Ditto) plus figs. (AD-87751) *
8. "Utilizing Electric Field Measurements for Forecasting Thunderstorm Movement," by Lt R. H. Doxtator, circa 1955, 11 pp. (Typescr) *
9. "Interim Procedure for Severe Storm Identification With the CPS-9 Radar," by 1/Lt H. A. Lintner, Det 6, and Dr. David Atlas, GRD, AFCRC, circa 1955, 18 pp. (Multi) figs. *
10. "(U) New Weapons and Meteorology," [2nd Ed.], 1 October 1955, 51 pp. (Multi) (SECRET)
11. "Commander's Comments on Analysis of Weather Charts," in The Bulletin, Vol. IV, No. 22, 15 November 1955. (Reprinted in 2d Wea Gp Weekly Bulletin #38.) *
12. "Discussion of Field of Composition Chart (Now referred to as the 'Weather Distribution Chart')," 1956, 6 pp. (Typescr) plus figs.*
13. "Turbulence Encountered by Comet I Aircraft," in The Bulletin, Vol. V, No. 14, July 1956, p.6. (Multilith) *
14. "(U) A Study of the Microorganisms of the Upper Atmosphere; Downwind Travel and Dispersion of Wheat Stem Rust Spores Released at Altitude Into a Stable Nocturnal Atmosphere," by J. C. Sadler, et al., (of 4th Wea Gp) Dept. of Microbiology, School of Aviation Medicine, USAF, March 1956, 12 pp. (Lithopr) (SECRET) (AD-117583) *

4th WEATHER GROUP (Cont'd)Item No.

15. "SOP, Sferics Operation," 1 August 1956, 60 pp. *
- 15a. "Report on 'Symposium on Refractive Index Uses' Lincoln Labs and GRD, 6-7 September 1956," by Major C. Jensen, 1 October 1956, 2 pp. (Typescr) *
16. "(U) A Study of the Microorganisms of the Upper Atmosphere; Frontal Influences on the Micropopulation at Altitude," by Capt L. J. Stempson et al., USAF Air Univ. School of Aviation Medicine, Randolph AFB, November 1956, 54 pp. (Lithopr) (CONFIDENTIAL) *
17. "Summary of Weather Observations Made at Holloman AFB Sep 42 through Oct 56," by J. R. Berry, Det 24, 13 March 1957. (AD-113033) *
18. "Technical Library Index," 23 July 1957, 42 pp. (Multi) *
19. "(U) New Weapons and Meteorology," [3d Ed.], August 1957, 38 pp. (Multi) (SECRET) *
- 19a. "Historical Report of the AWS Unit Nevada Test Site, Mercury, Nevada for period 2 April 1957 - 6 October 1957," October 1957, 8 pp. (Typescr) *
20. "(U) Differential Ballistic Wind Computer," 3 February 1958, 4 pp. (Typescr) (SECRET) * (Published as AFSWC TR 59-23, June 1959) (SECRET)
21. "Meteorological Accuracies in Missile Testing," by Capt R. W. Lenhard, August 1958, 20 pp. (Multi) * (Published in Journ. of Met., Vol. 16, No. 4, 1959, pp. 447-453)
22. "Analog Computer for Low Level Wind Evaluation," by S/Sgt W. A. Rice, Det 24, October 1958, 25 pp. (Multi) (AD-212457) *
23. "Final Report Phase 1958, Project Tornado-Sferics," prepared by Det 4, 75 pp. incl. figs. (Multi) (AD-218744) *
24. "Analysis Near High Pressure Centers in Mountainous Terrain," by Capt C. R. Schefferdecker, Det 18, April 1959, 5 pp. (Multi) *
25. "Climatology of Cirrus Clouds Along the Atlantic Missile Range," by Gabriel Palmero, April 1959, 16 pp. (Typescr) *
26. "Use of the AN/CPS-9 Radar to Track Chaff Targets from LOKI Rockets," by Capt O. H. Daniel, Det 11, circa May 1959, 2 pp. (Processed) *
27. "Description of Density Departure Nomogram," by Capt O. H. Daniel, Det 11, circa 1959, 3 pp. (Typescr) plus charts. *

4th WEATHER GROUP (Cont'd)Item No.

28. "An Evaluation of the Meteorological Factor in Operation of the Air Force Nuclear Engineering Test Facility Reactor," prepared by Capt N. Medrud, Jr., June 1959, 86 pp. (Ditto) *
- 28a. "Meteorological Engineering Services," Letter to all Dets. and SWO's 14 July 1959, 5 pp. (Multi) *
29. "Correlation of Squall Line Characteristics With 10 Kilocycle Sferics Readings," by Edwin B. Dickson, Det 4, October 1959, 7 pp. (Typescr) plus figs. * (Published in the Proceedings of the Eighth Weather Radar Conference, 11-14 April 1960, San Francisco, Calif., pp. 91-97)
30. "Accuracies of Meteorological Upper Air Data," by K. R. Johannessen, published by Det 24, November 1959, 4 pp. (Multi) *
31. Quarterly Report No. 2, "Extracts from Unit Activity Reports for Period September through November 1959," 12 pp. (Multi) *
32. "Annual Climatological Data for Andrews AFB," prepared by Det 2, late 1959, 32 pp. (Multi)*; Revised pages 28 through 32, "Moonrise-Moonset Tables and Astronomical Data for 1961." *
33. "Final Report Phase 1959, Project Tornado-Sferics," prepared by Det 4, 78 pp. (Multi) (AD-240489) *
34. "Electronic Computer Reduction of Upper Air Data," by Capt O. H. Daniel, Det 11, November 1959, 13 pp. (Processed) *
35. "Computation of Launcher Settings for Meteorological Rockets," by Capt O. H. Daniel, December 1959, 4 pp. (Processed) *
36. "(U) Geophysical Support Requirements for Future Weapons System," April 1960 (SECRET) *
37. "SOP North Atlantic Sferics Network," 1 May 1960, 65 pp. (Multi) *
38. Quarterly Report No. 3, "Extracts from Unit Activity Reports for Period December 1959 to March 1960," 23 May 1960, 12 pp. (Multi) *
39. "Forecasting Maximum Tops of Convective Storms in Severe Weather Areas," by Major A. Ehrlich, Det 4, May 1960, 7 pp. (Typescr) plus figs. *
40. "ROTATE - Rules of Thumb and Their Employment," Letter to all dets., 24 June 1960, 3 pp. (Multi) *
41. "A Radar Method to Determine Surface Conditions Associated With Severe Storms," by Det 6, 29 July 1960, 3 pp. (Mimeogr) plus graph.*

4th WEATHER GROUP (Cont'd)Item No.

42. "Model C-133A Penetrating the Rotor Flow of the Sierra Nevada Mountain Wave," prepared by V. D. Kotecki, Jr., Aerodynamics and Computing Engineering Section, Douglas Aircraft Co., Inc., Report No. Dev-3205. Meteorological data and analysis prepared by 1/Lt S. D. Lackland, Det 21, 4 Wea Gp., Edwards AFB, August 1960, 48 pp. (Ditto) *
43. "Instruction Manual for Density-Refractive Index Calculator," prepared by O/L, Det 24, circa 1 August 1960, 12 pp. (Multi) *
44. "Electronic Computer Reduction of Upper Air Data," by Major O. H. Daniel, Det 11, Patrick AFB, February 1961, 20 pp. (Multi) * Errata Sheet, 6 March 1961 (Ditto) *
45. Special Technical Report #7, "Covering Period 1 January through 31 March 1961, prepared by Directorate of Technical Services 1 May 1961, 12 pp. (Multi) *

Staff Digests:Item No

- July/Aug 1960, 22 pp. (Multi):*
 1. "Ubiquitous Hail," p. 20. (Published in Aerospace Safety, Apr 61, pp. 6-8)
- September 1960, 38 pp. (Multi):*
 2. "Ingenious Device to Provide Battery Power," p. 34.
- October 1960, 32 pp. (Multi):*
 3. "TIROS I Finale," pp. 6-7.
 4. "Forecasters' Seminar Quiz for July 1960," p. 9.
- November 1960, 26 pp. (Multi):*
 5. "Forecasters' Seminar Quiz for September 1960," pp. 6-7.
 6. "Index of Refraction Terminology," pp. 24-25.
- January 1961, 15 pp. (Multi):*
 7. "Electromagnetic Propagation," p. 11.
- February 1961, 35 pp. (Multi):*
 8. "The Terminal Forecast Facility, Kansas City," pp. 9-12.
 9. "Safe," p. 30.
 10. "TIROS II," pp. 31-32.
- April 1961, 25 pp. (Multi):*
 11. "Professionalism vs Eye-Ballism," p. 23.
 12. "Forecasting and Warning Services," p. 24.

4th WEATHER GROUP (Cont'd)

Manuals:

- 1-1, "Doctrine of Natural Environmental Support," 15 September 1950, 11 pp. (Multi) *
- GM66-2, "Weather Equipment Preventive Maintenance Guide," 1 January 1953. (Lithopr) *
- 105-1, "(U) Effects of the Natural Aerospace Environment on Future Systems," 15 February 1961, 157 pp. (Multi) (SECRET) *

Pamphlets:

- 105-1-1, "Technical Report on Sonic Boom," by Capt Rolf M. Nilsestuen and Max W. Edelstein, 1 July 1960, 22 pp. incl. figs. (Multi) *
- 105-2-7, "Final Report Project Tornado Sferics, 1960," prepared by Det 4, February 1961, 80 pp. (Multi) *
- 105-8-1, "Some Environmental Effects on Toxic Hazards," May 1961, 32 pp. (Multi) *

6th WEATHER SQUADRON (MOBILE) (Nov 1956-)

Item No.

- 1. "Final Report Phase 1957, Project Tornado-Sferics," by Lt Colonel B. Pusin, and Major R. E. Beck, 31 October 1957, 81 pp. incl. figs. (Multi) (AD-218741) *
- 2. "Hail-Aloft Summary," by Major R. E. Beck, presented at the 16th National Meeting of AMS, Kansas City, Mo., 26 March 1958, 5 pp., published in MATS Flyer, February 1959, p. 13. *

LIST OF 5th WEATHER GROUP PUBLICATIONS (Feb 1954-Oct 1956)

5th WEATHER GROUPItem No.

1. "The Use of Zonal Winds in Forecasting Long-Waves," by Major W. L. Burns, November 1954, 19 pp. (Mimeogr) (AD-115816) *
2. "Study of Strong Winds at Thule," by CWO A. Weston, December 1954, 20 pp. 15 figs. (Mimeogr) (AD-73119) *
3. "Turbulence Study for Thule Air Base, by Major R. E. Wegner, March 1955, 6 pp. (Mimeogr) (AD-60530) *
4. "Freezing Rain at Goose Bay," by Major W. L. Burns, and 1/Lt G. Roush, April 1955, 2 pp. figs. (Mimeogr) (AD-63813) *
5. "Pilot Study of Weather Conditions Over the Greenland Ice Cap," November 1954 through April 1955, 5 pp. plus figs. *
6. "Forecasting for the North Atlantic - Arctic," April 1955, 21 pp. (AD-105702) *
7. "Practical Application of the Space-Mean Prog Techniques," by Lt Colonel G. E. Drubek, August 1955, 6 pp. (Mimeogr) * (AD-105046)
8. "Daylight - Darkness Chart," Report 5G-101, October 1955. (Photo offset)*
9. "Forecasters' Handbook," Vol. I, (AD-105610); Vol. II, (AD-105701) November 1955. *
Contents:
Vol. I: "Part I, Monthly Weather Conditions."
"Part II, General Forecasting Technique."
"Part III, Analysis and Forecasting for the NEAC Area."

Vol. II: "Part IV, Local Forecast Studies."
"Part V, Climate of the NEAC Area."
"Part VI, Special Studies."
10. "Windchill Cooling Chart," by Capt P. R. Stinchfield, Report 5G-135,
11. "Forecaster Indoctrination: The North Atlantic," July 1956, 95 pp. incl. figs. (Mimeogr)
12. "Summarization of Weather Support to the Ice Cap Operation for Project HIRAN," 27 September 1956, 6 pp. (Ditto) plus map. *

LIST OF 6th WEATHER GROUP PUBLICATIONS (Apr 1952-June 1958)

6th WEATHER GROUP

Item No.

1. "Implementation of the AWS Objectives and MATS Four Point Program," November 1952, 42 pp. (Multi) *
2. 6th Weather Group Commanders' Conference, 1954, papers presented:
 - TAB "A" "Forecasting Fog and Low Stratus Due to Lake Effect at Wright-Patterson," presented by Capt R. A. Laudrille, 15 pp. incl. maps. *
 - TAB "B" "Forecasting Fog and Low Stratus Due to Lake Effect at Hill AFB," presented by 1/Lt M. W. McMurran, 3 pp. *
 - TAB "C" "Gulf Advection Fog and Low Stratus at Brookly AFB," presented by Major W. H. Hoover, 7 pp. incl. figs. *
 - TAB "D" "Forecasting Pre-Frontal Fog and Low Stratus at Wright-Patterson," presented by 1/Lt L. E. Fortner, 30 pp. incl. maps, diagram. *
 - TAB "E" "Forecasting Below Minimum Conditions at Robins AFB," presented by Major G. W. Schmal, 18 pp. incl. figs. *
 - TAB "F" "Formation and Dissipation of Low Ceilings in Advance of a Front at Kelly AFB," presented by Major W. A. Pelton, 9 pp. incl. charts. *
 - TAB "G" "Effect of Appalachian Mountains on Fronts Passing Olmsted AFB and Forecaster Evaluation Study," presented by Major R. L. Hilliard, 10 pp. incl. tables.*
 - TAB "H" "A Preliminary Investigation of the Wind Spectrum at McClellan AFB," presented by 1/Lt P. C. Sinclair, 18 pp. incl. maps. * (AD-88125)
 - TAB "I" "D-Forecast Method, Aircraft Icing," presented by T/Sgt L. Downey, 9 pp. plus figs. *
 - TAB "J" "Review of Tornado Forecasting at Tinker AFB," presented by Major J. H. Carpentier, 1 p. *
 - TAB "K" "Use of Facsimile in the Weather Station at Det 10, Wright Field," presented by Capt R. A. Laudrille, 4 pp. *
 - TAB "L" "Forecasting of Winds Aloft," presented by Capt R. A. Laudrille, 5 pp. plus maps. *

6th WEATHER GROUP (Cont'd)Item No.

3. "Aircraft Icing Forecasting and Verification," by Lt L. E. Fortner, Jr., Det 11, April 1955, 19 pp. (Mimeogr) incl. figs. tables. *
4. "Aircraft Icing Forecasting," October 1957, 6 pp. (Typescr) incl. figs.*

6th WEATHER SQUADRON (MOBILE) (Aug 52-Jan 53)Item No.

5. "The Tornado Situation of March 17, 1951," by Lt Colonel E. J. Fawbush, and Major R. C. Miller, 1952, published in Bull. Amer. Met. Soc., Vol. 34, No. 4, April 1953, pp. 139-145. *
6. "A Mean Sounding Representative of the Tornadic Airmass Environment," by Lt Colonel E. J. Fawbush, and Major R. C. Miller, published in Bull. Amer. Met. Soc., Vol. 33, No. 7, September 1952, pp. 303-307.*
7. "A Digest of Procedures Used by the AWS SWWC," prepared by the Staff of Severe Weather Warning Center, 1952, 63 pp., published as AWSM 105-37, 1 November 1952 (Revised May 1956). *
8. "Differential Analysis and Prognosis," by C. K. Taylor and Capt E. B. Dickson, December 1952, 42 pp. (Mimeogr)

LIST OF 7TH WEATHER GROUP PUBLICATIONS (Apr 1952-May 1958)
(Formerly 2107th AWGp)

7th WEATHER GROUP

Item No.

Monthly Weather Summary:

1. March 1952, 10 pp. (Mimeogr) *
2. April 1952, 10 pp. (Mimeogr) *
3. May 1952, 10 pp. (Mimeogr) *
4. November 1952, 10 pp. (Mimeogr) *
5. December 1952, 10 pp. (Mimeogr) *
6. February 1953, 10 pp. (Mimeogr) * (See p. 93 for previous issues)

Technical Memorandums:

7. #1, "Forecasting Jet-Aircraft Contrails in Alaska," by Lt J. M. Mitchell, 15 December 1954, 4 pp. (Ozalid) *
8. #2, "Terminal Forecast Verification," by Major A. Ehrlich, 15 April 1955, 9 pp. (Ozalid) *
9. #3, "A Case Study of Severe Turbulence in the Anchorage Area," by 1/Lt S. Bakken, 17 May 1955, 12 pp. (Ozalid) *
10. #4, "The Polar Trough and Corresponding Japanese Weather Patterns," by Lt Colonel W. H. Wyatt, 16 June 1955, 3 pp. (Ozalid) *
11. #5, "Clear Air Turbulence," by Lt Colonel W. H. Wyatt, 20 June 1955, 1 p. (Ozalid) *
12. #6, "The Observation and Forecasting of Daily Maximum and Minimum Temperatures in the Anchorage Area," by Lt J. M. Mitchell, 1 July 1955, 8 pp. (Ozalid) *
13. #7, "Winds at Big Delta," by Lt J. M. Mitchell, 5 August 1955, 16 pp. (Ozalid) *
14. #8, "Winter Weather Hazards at Ladd Air Force Base," by Capt S. I. Serkin, 28 July 1955, 8 pp. (Ozalid) *
15. #9, "A Report on a Case of Cirrus and Turbulence Over South California," by Lt Colonel W. H. Wyatt, 7 October 1955, 6 pp. (Ozalid) *

7th WEATHER GROUP (Cont'd)Item No.Technical Memorandums:

16. #10, "Storm Tracks in Alaska During February 1955," by Lt Colonel W. H. Wyatt, 18 October 1955, 10 pp. (Ozalid) *
17. #11, "A Report on Clear Air Turbulence," by Lt Colonel W. H. Wyatt, 16 December 1955, 9 pp. (Ozalid) *
18. #12, "F? FIC? IF," by Major A. Ehrlich, 12 December 1955, 3 pp. (Ozalid) *
19. #13, "A Report on a Cirrus Cloud Band," by Lt Colonel W. H. Wyatt, 1 March 1956, 18 pp. (Ozalid) *
20. #14, "Atmospheric Pollution by Forest Fire Smoke in Alaska," by Lt N. Richardson, July 1956, 3 pp. (Ozalid) *
21. #15, "The Arctic Front," by Lt D. A. Krider, 1 October 1956, 5 pp. (Ozalid) * (AD-111257)
22. #16, "Problems Associated With Establishing a Station on the Ice Pack," by Major A. Ehrlich, 1 October 1956, 6 pp. (Ozalid) (AD-111258) *
23. #17, "Alaska's Final Storm of 1955," by H. G. Petersen, 15 October 1956, 10 pp. incl. illus. (Ozalid) (AD-127008) *
24. #18, "Strong Surface Winds at Elmendorf AFB, Alaska," by Lt Colonel W. H. Wyatt, 9 November 1956, 27 pp. incl. illus. (Ozalid) (AD-127009) *
25. #19, "Terminal Forecast Performance," by C. B. Stwertnik, March 1957, 5 pp. incl. tables. (Ozalid) (AD-127010) *
26. #20, "Forecasting Minimum Temperatures at Ladd AFB, Alaska," by Lt B. M. Herman, 1 April 1957, 7 pp. incl. illus. (Ozalid) (AD-127065) *
- 26a. "Weather Forecasters Proficiency Examination," 1 January 1953, 22 pp. (Mimeogr)
27. "Use of Thickness Chart," by E. M. Rasmusson, December 1953, 11 pp. (Typescr) *
- 27a. "Range of Weather Elements Oct 1949-Mar 1953, at Big Delta, Alaska," by A/2C B. D. Cox, Det 6, (1953) 16 charts. (Ozalid) *
28. "Analysis of the Temperature Field in the Stratosphere," by Major A. M. Longacre, 1954, 6 pp. (Ozalid) *

7th WEATHER GROUP (Cont'd)

Item No.

29. "Statistical Variations of the 5-Day Mean Zonal Westerlies in the Northern Hemisphere," by Lt J. M. Mitchell, circa 1954, 17 pp. (Ditto) *
30. "Yukon River Floods," by Major W. K. Henry, 1954, 3 pp. (Incomplete) *
- 30a. Climatology Branch Study #7-105: "A Study of Weather Conditions for Proposed Winter Manoeuvres Near Big Delta, Alaska," 3 April 1955, 6 pp. (Ozalid) *
31. "Loran in Polar Regions," by Capt M. A. Lee, paper presented at the Annual Meeting of the Institute of Navigation held at Maxwell AFB, 22 June 1955, 77 pp. (Typescr) *
- 31a. "Manoeuvre Report in Support of TACAIR 55-3 and Exercise Snowbird," prepared by Hq 7th Wea Gp., 5 June 1955, 11 pp. plus TABS A-G. (Mimeogr)
32. "An Index of Latent Instability and Its Relation to Thunderstorms and Showers," by Capt S. I. Serkin. Thesis submitted to Dept of Meteorology and Oceanography, New York Univ., 1955, 24 pp. (Typescr)*
33. "Climatological Study of the Aleutian Chain," n.d.
- 33a. "Climatology Branch Study #7-124: "Winter Weather Along the Highway Between Seattle, Washington, and Big Delta, Alaska," 3 August 1955, 6 pp. (Ozalid) *
34. "An Investigation of the Wind Factor in Radioactivity Fall-Out 'Patterns' for Elmendorf AFB," 21 December 1955, 18 pp. (Ditto) *
- 34a. 7WGp Manual, "SOP for Dew Line Sites," 1956-7?
35. "Procedures for Analysis and Prognosis," by Alaskan Forecast Center, 5 August 1957, 8 pp. (Multi) *
36. "Meteorological Observations," by H. C. Banks and E. N. Partanen, published in Geophysical Research Papers, No. 63, December 1959, pp. 1-6. (AD-216814) *

58th WEATHER RECON SQD (Feb 54-Apr 58)

37. "Pressure-Pattern Techniques in Polar Navigation," by Capt A. R. Garlington, September 1954, 4 pp. (Ozalid) plus photos. *
38. "Curvature Considerations in Forecasting Upper-Air Wind Velocities," by Capt A. R. Garlington, 12 May 1955, 20 pp. (Multi) *
39. "Loran in Polar Regions," by Capt M. A. Lee, 25 June 1955, 11 pp. (Lithopr) *

LIST OF 2107th AIR WEATHER GROUP PUBLICATIONS (Oct 1948-Apr 1952)
(Formerly 7th WeaGp)

2107th AIR WEATHER GROUP

Item No.

1. "The Location of a Second GCA Unit on Shemya or One on Amchitka,"
13 October 1948, 10 pp. (Ozalid) plus maps. *
2. "Weather Station List for Alaska," by Joint Weather Directorate,
January 1949, 18 pp. (Mimeogr) *
3. "Weather Station List for Alaska," by Joint Weather Directorate, 1950,
17 pp. (Mimeogr) *
4. "Meteorological Factors Affecting Alaskan Development," by Major
H. G. Dorsey, Arctic Weather Central, Elmendorf AFB, 1950, 8 pp.
(Mimeogr) *

11th WEATHER SQUADRON (Oct 48-Apr 52)

Item No.

5. "Wind Diagrams for Selected Elventh Weather Region Stations," by
Weather Central, 7 January 1946, 16 pp. (Mimeogr) plus diagrams. *
6. "A Climatic Study of Selected Aleutian and Southern Alaskan Stations,"
20 January 1946, 14 pp. (Mimeogr) *
7. "Experiments in Non-Calorimetric Measurement of the Liquid Water
Content of Wet Snow," by Weather Central, 19 April 1949, 3 pp.
(Typescr) *
8. "Climate, Weather and Flying Conditions of Alaska and Eastern Siberia,"
by Lt W. Phillips, 1950, 52 pp. (Multi) plus charts. *
9. "Local Forecasting Studies for Selected Alaskan and Canadian Stations,"
April 1950. (AD-115765) *
10. "North Pacific Air Route Weather Survey McChord AFB to Misawa AFB,"
by Arctic Weather Central, 9 August 1950, 13 pp. (Mimeogr) *
11. "Report on the Investigation of Winds in the Upper Troposphere in the
Vicinity of Alaska," by Major H. A. Zartner, January 1951, 6 pp.
(Typescr) plus diagrams. *
12. "Floating Ice Island Weather Project: Preliminary Plans Spring 1951,"
by Major H. G. Dorsey, Jr., and Capt P. R. Stinchfield, Arctic
Weather Central, February 1951, 26 pp. (Typescr) *

2107th AIR WEATHER GROUP (Cont'd)

11th WEATHER SQUADRON (Cont'd)

Item No.

13. "Artificial Dissipation of Supercooled Fog and Ice Fog," by Capt C. P. Wood, April 1951, 6 pp. (Typescr) *
14. "Floating Islands in the Arctic," Abstract, by Lt Colonel J. O. Fletcher, Proceedings of the Alaskan Science Conference of the National Academy of Science, Washington, Nov 9-11, 1950, Bull. Nat. Res. Council, No. 122, April 1951, p. 122. *
15. "Ice Islands of the Arctic Ocean," by Capt P. R. Stinchfield, Sourdough Sentinel, No. 9, 20 April 1951, p. 4. (5 pp. Typescr) *
16. "The Polar Ice Pack Station Operations Report Feb - Mar 1951," by Capt P. R. Stinchfield, Arctic Weather Central, June 1951, 46 pp. (Typescr) plus photos. *
17. "Floating Ice Island Weather Station Project, Operations Report May-June 1951," by Capt P. R. Stinchfield, Arctic Weather Central, July 1951, 13 pp. (Typescr) plus photos. *
18. "Juneau Ice Field Research Project, Elmendorf Weather Central Participation, Summer 1951," by A. J. Schmieder, 5 pp. (Typescr) *
19. "Typical Progress of Weather Formations Over Alaska," Abstract, by Capt P. R. Stinchfield, presented at Second Alaska Science Conference, September 4-8, 1951, 1 p. (Typescr) *

Monthly Weather Summary:

20. March 1949, 11 pp. (Multi) *
21. April 1949, 11 pp. (Multi) *
22. June 1949, 11 pp. (Mimeogr) *
23. September 1949, 11 pp. (Mimeogr) *
24. October 1949, 11 pp. (Mimeogr) *
25. November 1949, 8 pp. (Mimeogr) *
26. December 1949, 8 pp. (Mimeogr) *
27. January 1950, 8 pp. (Mimeogr) *
28. February 1950, 8 pp. (Mimeogr) *

2107th AIR WEATHER GROUP (Cont'd)11th WEATHER SQUADRON (Cont'd)Item No.Monthly Weather Summary:

- 29. March 1950, 8 pp. (Mimeogr) *
- 30. April 1950, 11 pp. (Mimeogr) *
- 31. June 1950, 11 pp. (Mimeogr) *
- 32. July 1950, 11 pp. (Mimeogr) *
- 33. August 1950, 11 pp. (Mimeogr) *
- 34. September 1950, 11 pp. (Mimeogr) *
- 35. October 1950, 12 pp. (Mimeogr) *
- 36. December 1950, 12 pp. (Mimeogr) *
- 37. March 1951, 12 pp. (Mimeogr) *
- 38. April 1951, 12 pp. (Mimeogr) *
- 39. June 1951, 12 pp. (Mimeogr) *
- 40. July 1951, 12 pp. (Mimeogr) *
- 41. October 1951, 10 pp. (Mimeogr) *
- 42. December 1951, 10 pp. (Mimeogr) * (See p. 88 for later issues)
- 43. "Annual Weather Summary 1951," 12 pp. (Mimeogr) *

375th RECONNAISSANCE SQUADRON (VLR) WEATHER (1948-51)Item No.

- 44. "Ice Observer's Report for Month of November 1948, 1 p. plus radar-scope photos. * (One of a series of reports submitted to U.S. Navy Hydrographic Office 1948-53) (Typescr)
- 45. "Meet the Arctic," by 1/Lt L. L. Howes, 1949, 82 pp. incl. photos. (Typescr) *
- 46. "A Study of the Influence of Headwinds on the West-Bound Loon Charlie Mission," by 1/Lt J. W. Wheeler, 1949, 4 pp. (Mimeogr) plus charts.*

2107th AIR WEATHER GROUP (Cont'd)375th RECONNAISSANCE SQUADRON (VLR) WEATHER (1948-51) (Cont'd)Item No.

- 47. "Report on Developments Made in Latitude Navigational Methods,"
18 August 1949, 28 pp. (Multi) *
- 48. "Doing Something About the Weather," by T/Sgt I. Menkin, January 1950,
12 pp. (Mimeogr) plus figs. *
- 49. "Pole Vaulting for Weather," by Lt R. S. Holz, 17 March 1950, 17 pp.
incl. charts. (Typescr) (AD-171680) *
- 50. "USAF Aerial Weather Observation Program," by 1/Lt C. C. Markham,
1 June 1950, 13 pp. (Typescr) plus figs. (AD-170809) *
- 51. "Developments in High Latitude Navigation, 1 Sep 1949 - 1 Nov 1950,"
63 pp. incl. tables, photos, grids. (ATI-77748) *

58th STRATEGIC RECONNAISSANCE SQUADRON (M) WEATHER (Feb 1951-Feb 1954)

- 52. "Report on Special Navigation Flight," by D. H. Sherr and J.S. Chiarella,
5 pp. (Typescr) chart, 1948.
- 53. "Report on the Pfund Sky Compass," 1949, 4 pp. (Typescr) *
- 54. "Development in High Latitude Navigation," prepared by Alaskan Command,
September 1951, 20 pp. (Mimeogr) plus Pfund tables for the Pfund
Sky Compass. *
- 55. "Theory, Design and Use of a Trajectory Wind Computer," by Capt
R. Wright, Special Report No. 4, 8 November 1951, 8 pp. (Typescr)
plus charts. *
- 56. "Floating Ice Islands," prepared by Lt Colonel J. O. Fletcher and
Major L. S. Koenig, Special Report No. 5, 15 September 1951, 37 pp.
incl. photos. (Lithopr) *

LIST OF 7th WEATHER GROUP PUBLICATIONS (Dec 1945-Oct 1948)

7th WEATHER GROUPItem No.

- 56a. "Report on Weather Observations Taken on Adak Island During Winter 1946-47 on Task Force 'Williwaw' Maneuvers," 15 May 1947. (Mimeogr) *
- 57. "Ice Fog and Methods of Control," by Capt R. L. Arnold, 30 January 1947, 9 pp. (Mimeogr) *
- 58. "Weather Station List for Alaska," May 1948, 16 pp. (Mimeogr) *
- 59. "Airport Construction to Minimize Ice Fog," 31 March 1947, 19 pp. (Typescr) *
- 60. "The Location of Warehouses and Heat and Power Plants to Minimize Ice Fog at Station 'Able' Alaska," 16 September 1948, 20 pp. incl. Appendices. (Mimeogr) *

375th RECONNAISSANCE SQUADRON (VLR) WEATHER (Oct 47-Oct 48)Item No.

- 61. "Filling in the Blanks," by 1/Lt L. L. Howes, 1947, 37 pp. incl. diagrams, photos. (Typescr) *
- 62. "Report on an Alaskan Thunderstorm of 2 September 1947," by 1/Lt L. L. Howes, 3 pp. (Typescr) plus diagrams. *
- 63. "Our Weather Eyes," by 1/Lt L. L. Howes, circa 1948, 10 pp. (Typescr) *
- 64. "Report on Special Navigation Flight," by D. H. Sherr and J. S. Chiarella, 1948, 5 pp. (Typescr) plus chart. *

LIST OF 8th WEATHER GROUP PUBLICATIONS (Apr 1952-)

8th WEATHER GROUPItem No.Selected Meteorological Abstracts, Summaries, and Bibliography:

1. "The Tropopause and Related Meteorological Parameters," Vol. 1, No. 1, 16 December 1953. (Mimeogr) *
2. "Forecasting Rules and Prognostic Methods," Vol. 1, No. 2, January 1954. (Mimeogr) *
3. "Atmospheric Moisture, Condensation and Precipitation," Vol. 1, No. 3, 12 April 1954. (Mimeogr) *
4. "Squall Lines," Vol. 1, No. 4, 29 April 1954. (Mimeogr) *
5. "Objective Forecasting Methods," Vol. 1, No. 5, 16 June 1954. (Mimeogr)*
6. "Jet Stream," Vol. 1, No. 6, July 1954. (Mimeogr) *

Technical Notes:

- #56-1, "Technical Notes," 25 July 1956, 2 pp. (Mimeogr) * [Rescinded]
- #56-2, "Some Comments on the Problem of Undertaking Objective Forecast Studies," 6 August 1956, 2 pp. (Multi) *
- #56-3, "Writing for Reading," 7 August 1956, 2 pp. (Multi) *
- #56-4, "Climatic Charts as an Aid to Forecasting — A New Approach," 5 September 1956, 2 pp. (Multi) (AD-235913) *
- #57-1, "Use of Page-Size Weather Charts," 15 March 1957, 24 pp. incl. charts.*
- #58-1, "Case Study of Sectional Analysis and Station Forecasting," 23 April 1958, 3 pp. plus figs. (Multi) *
- #58-2, "Severe Weather and Station Forecasting Technique," 29 April 1958, 2 pp. (Multi) plus figs., photos. *
- #58-3, "Technical Notes," 31 July 1958. (Multi) * (Supersedes #56-1)
- #58-4, "Streamline Analysis," 10 August 1958, 9 pp. incl. figs. (Multi) (AD-235914) *
- #58-5, "Crosswind Computer," 13 October 1958, 4 pp. (Multi) *
- #58-6, "Northern Hemisphere Historical Weather Maps," Nov 58 (Multi) *
- #59-1, "A Case Study of Station Analysis," 15 January 1959, 7 pp. (Multi) *

8th WEATHER GROUP (Cont'd)Technical Notes:

- #59-2, "Re-Analysis and Post-Mortem," 16 January 1959, 2 pp. (Multi) *
- #59-3, "An Overlay for Forecasting the Size of Hail at the Ground,"
4 March 1959, 1 p. (Multi) plus figs. * (Reprinted from
2d WWg Forecaster's Bulletin C-6)
- #59-4, "Computing and Using Vertical Motion," 20 March 1959, 6 pp. (Multi)
(AD-235915) *
- #59-5, "Computing Divergence and Vorticity for Use in Terminal Forecasting,"
24 July 1959, 6 pp. (Multi) (AD-235916) *
- #60-1, "Calculation of Divergence and Vorticity," 29 April 1960, 14 pp.
(Multi) (AD-237651) *
- #60-2, "Forecasting the Type of Precipitation," October 1960, 3 pp. (Multi)*
- #60-3, "Low Level Wind Shear," 23 November 1960, 5 pp. (Multi) *

Manuals:

- 55-1, "Terminal Forecast Manual," 1 April 1958, 8 pp. (Multi) *
- 55-1, "Operations Terminal Forecast Manual," 1 February 1960, 8 pp.
(Multi) * (This manual supersedes 8WGM 55-1, 1 Apr 58)

Technical Services Memo:

- No. 1, "JNWPU Vertical Motion Charts," 25 February 1959, 1 p. (Mimeogr) *
- No. 2, "Vapor Pressure," 10 August 1959, 1 p. (Multi) *
- No. 3, "Quick Methods for Computing Pressure Altitude for a Base Other
Than the Local Base," 20 February 1961, 1 p. (Multi) *

8th WEATHER GROUP (Cont'd)

Item No.

1. "RAREP Plotting Aid," by S/Sgt E. L. Davis, 8WGp Newsletter, 24 April 1959 (Item 7 under "Technical Services") 1 p. (Ozalid) *
2. "Diurnal Pressure Charts," 28 May 1959 (Lithopr) *
3. "Report on Hurricane Debra," by Capt Luckenbach, August 1959, 2 pp. (Typescr) plus radarscope photos. *
4. "How Do You Make Your Wind Forecasts?" 8WGp Newsletter, 15 September 1959. (Item 7 under "Technical Services"), 2 pp. (Ozalid) *
5. "Seminar Catalog," July 1960, 25 pp. (Lithopr) *
6. "Principles of RAISOCON Operation," by Capt G. E. Luckenbach and T/Sgt J. C. Kocher, January 1961, 10 pp. (Multi) plus graphs. *

16th WEATHER SQUADRON (Jun 52-Nov 57)

Item No.

1. "A Terminal Forecast Verification Program," circa 1953, 4 pp. plus figs. (Multi) *
2. "Easterly Waves in the Gulf of Mexico," by Major A. C. Kullin, April 1955, 7 pp. (Mimeogr) *
3. "A Study of Easterly Waves in the Gulf of Mexico," by Lt C. R. Hosler, April 1955, 105 pp. incl. charts, tables. (AD-69057) * Also published in Bull. Amer. Met. Soc., Vol. 37, No. 3, March 1956, pp. 101-107.

24th WEATHER SQUADRON (Jun 52-Nov 57)

4. Addendum to AWS TR 105-86, by Det 7, August 1953, 4 pp. (Typescr) plus figs. *

LIST OF 2108th AIR WEATHER GROUP PUBLICATIONS (Oct 1948-May 1951)

2108th AIR WEATHER GROUP6th WEATHER SQUADRON (1948-51)Item No.

1. "Hurricane Post Analysis Program (RCS WEA-F-ST4C) for 1948,"
1 April 1949, 41 pp. (Typescr) plus diagrams. *
2. "Local Forecasting Studies for Stations in the 6th Weather Squadron,"
June 1949. (Mimeogr) *
3. "Hurricane Post Analysis Program (RCS AWS-F-ST4E) for 1949," 5 May
1950, 112 pp. (Typescr) incl. figs. *
4. "Hurricane Post Analysis Program (RCS AWS-F-S24E) for 1950,"
6 April 1951, 184 pp. (Typescr) incl. figs. * (Published in part
in AWS TR 105-76, 20 June 1951, 31 pp.)
- 4a. "Hurricanes of 1950: Narrative History of Each Storm and Comments on
Hurricane Reconnaissance," published as AWS TR 105-77, July 1951.
(AD-110565) *

8th WEATHER SQUADRON (1948-51)

5. "Report on the 1948-1949 Post Analysis Program of the AF Hurricane
Office," published as AWS TR 105-40, September 1949. (ATT-67051) *

373d RECONNAISSANCE SQUADRON (VLR) WEATHER (1948-51)

6. "Report on Hurricanes During the 1948 Season, July - November 1948,"
61 pp. (Photostat) *
7. "Report on Hurricanes During the 1949 Season, July - December 1949,"
64 pp. (Photostat) *

LIST OF 8th WEATHER GROUP PUBLICATIONS (Dec 1945-Oct 1948)

8th WEATHER GROUP6th WEATHER SQUADRON (1945-48)Item No.

8. "First Forecasting Seminar," by Capt E. J. Goettlicher, published in AWS Bulletin, No. 1, December 1947. (ATI-112809) *
9. "Second Forecasters' Seminar," by Capt E. J. Goettlicher, published in AWS Bulletin, No. 2, January 1948. (ATI-119242) *
10. "Third Forecasters' Seminar," by Capt E. J. Goettlicher, published in AWS Bulletin, No. 3, March 1948, p. 20. (ATI-114276) *
11. "Upper Air Analysis," by WO Matt L. Mleziva, Det 1, Albrook Field, C.Z., 5 April 1948, 3 pp. (Typescr) *
12. "Forecasting Thunderstorms in Panama," by Capt Wm. H. Staten, published in AWS Bulletin, No. 5, September 1948, p. 18. (ATI-114275) *

8th WEATHER SQUADRON (1945-48)

13. "Report on East Coast Hurricane of June 1945," by Vincent M. Gargaro, February 1946, 8 pp. (Typescr) plus charts. *
14. "Station Summary of Ice Conditions 1942-1947," 25 pp. (Ditto) *
15. "Climatological Summary of Sondrestromfjord, Greenland," by Base Weather Station, 12 September 1947, 1 p. (Typescr) 12 pp. (Ditto) *
16. "Observation of Task Force Sixty-Eight (68) USN, 1947, Summer Operation, Canadian Arctic," 29 September 1947, 7 pp. (Typescr) *
17. "The Mission of the 8th Weather Squadron Concerning the Cold Weather Tests at Churchill, Manitoba, Canada Winter 1947-1948," by R. A. Lindhe, 15 April 1948, 13 pp. (Typescr) maps, charts. *
18. "Report on the Off-Season Operations of the AF Hurricane Office, 1947-1948," published as AWS TR 105-37, July 1948. (ATI-59691) *

9th WEATHER SQUADRON (1945-48)

19. "A Report on the Caribbean Sferics Network," Nov/Dec 1945? 11 pp. (Typescr) plus diagrams. *
20. "Sferics Operational Procedure," Station Memo 55-5, 1945, 20 pp. (Ditto)*
21. "Quarterly Sferics Report," by Capt J. R. Fleming⁷, 15 January 1948, 4 pp. (Ditto) plus charts. *

8th WEATHER GROUP (Cont'd)

373d RECONNAISSANCE SQUADRON (VLR) WEATHER (Oct 47-Oct 48)

Item No.

22. "Report on Radar Equipment AN/APS-20A, Used During October and November 1947," prepared by D. Taras, 17 November 1947, 50 pp. incl. illus., charts, radarscope photos. (Typescr) *
23. "Report on Hurricane Weather Reconnaissance," prepared by Major Wm. K. Pound, May 1948, 11 pp. (Typescr) *
24. "F-80 Flight Across the North Atlantic and Return," by Major J. L. Pickett, 22 October 1948, 4pp. (Mimeogr) maps and charts. *

LIST OF 9th WEATHER GROUP PUBLICATIONS (Apr 1952-)

9th WEATHER GROUPItem No.

1. "A Study of Weather Conditions in Panama With Special Emphasis on the Belt of the Doldrums," by Major F. W. Pope, June 1952, 34 pp. incl. figs. (Multi) (AD-21277) *
2. "Differential Analysis as a Practical Forecast Tool," by Lt Colonel Herbert J. Avise, Discussion Notes for 9th Wea Gp Det. Commanders Conference, 19 May 1954, 8 pp. (Typescr) plus 47 figs. (Ozalid)
3. "Maintenance and Supply Manual," 3 November 1954 (Mimeogr); Change 1, 10 Nov 54; Change 2, 1 Dec 54.
4. "SOP of Sferics Operation," circa December 1954, 75 pp. (Mimeogr)
5. "An Attempt to Further Adapt Extended Forecast Section (USWB) Use," by Capt P. B. Rice, and CWO W. Booth, Det 28, circa 1955, 8 pp. (Typescr) plus tables, charts. *
6. MATS MM 55-7, "Optimum Flight Planning and In-Flight Procedures," 1 May 1956, 157 pp. (Lithopr) (Prepared with the assistance of 9th Wea Gp.)
7. "A Mechanical Method of Interpolating Zonal Winds From the 4-D Chart," by J. K. Fogg, Det 22, November 1956, 9 pp. (Mimeogr) plus charts.*
8. "A Graphical Description of Hurricane 'Carrie' Passes the Azores September 1957," by T/Sgt A. A. Francis, Det 3, 31 pp. (Ozalid) *
9. "A Collection of Forecasting Methods," by Capt D. C. Winner, Det 22, 19 November 1957, 53 pp. (Mimeogr) *
10. "Methods and Suggestions for Improving Map Analysis," Technical Note, 26 November 1957, 3 pp. (Multi) *
11. "How to Analyse and Use a Sectional Type Nephanalysis," Technical Note, 20 December 1957.
12. "Suggestions on How to Arrange Climatic Data for Use in Forecasting," Technical Note, 1957.
13. "An Objective Method of Determining the Form of Precipitation," Technical Note, 9 January 1958, 3 pp. (Multi) plus figs. *
14. "Method for Determining Total Amount of Precipitable Water in the Atmosphere from Surface to 500-mb," Technical Note, 24 January, 2 pp. (Multi) *
15. "Method for Forecasting Type and Intensity of Icing on Aircraft," Technical Note, 25 February 1958, 3 pp. (Multi) *

9th WEATHER GROUP (Cont'd)Item No.

16. "A Comparison of the 36-Hour Numerical Prog and 24-Hour Local Prog Using 12-Hour Later Data," by J. K. Fogg, Det 22, March 1958, 10 pp. (Multi) (AD-235131) *
17. Technical Note [based on an article by J. J. George and others, entitled: "The Prediction of Maritime Cyclones"/], 17 November 1958, 21 pp. incl. figs. (Multi) *
18. "Tomorrow's Weather Today," by Lt Colonel J. W. Walker, published in MATS Flyer, August 1959, pp. 20-22.
19. "Monthly Outlook for McGuire AFB," prepared by Det 22, 1960, 5 pp. (Multi) *
20. "Monthly Outlook for McGuire AFB," prepared by Det 22, April 1961, 3 pp. (Multi) *

SOP'S

- 55-12, "Analysis of Maps and Charts," Det 22, 30 December 1957, 3 pp. (Mimeogr)*
- 55-17, "Surface and Upper Air Analysis Procedures," 15 April 1958, 1 p. (Mimeogr) *
- 55-18, "Wind Factor, Icing and Temperature Forecast," 30 December 1957, 2 pp. (Mimeogr) *
- 55-24, "Preparation of Prog Charts," 30 December 1957, 4 pp. (Mimeogr) *
- 55-25, "Procedure: Preparation of 400 mb Analysis and Prog," 30 December 1957, 1 p. (Mimeogr) plus 6 pp. check lists. *
- 55-26, "Horizontal Weather Prog," 24 January 1958, 1 p. (Mimeogr) *
- 55-27, "Analysis of Skew-T Diagrams," 30 December 1957, 1 p. (Mimeogr) *
- 55-28, "Zone Wind Forecasts," 6 May 1958, 3 pp. (Mimeogr) *
- 55-64, "Chart Legends," 30 December 1957, 1 p. (Mimeogr) *

9th WEATHER GROUP (Cont'd)

Item No.

Climatological Outlook for Lajes:

1. December 1959, 3 pp. (Multi) charts (Ditto) *
2. January 1960, 3 pp. (Multi) charts (Ditto) *
3. February 1960, 8 pp. (Ditto) *
4. March 1960, 8 pp. (Ditto) *
5. April 1960, 8 pp. (Ditto) *
6. May 1960, 8 pp. (Ditto) *
7. June 1960, 2 pp. (Mimeogr) charts (Ditto) *

Manuals:

- 123-81, "Inspection," 28 March 1955, 21 pp. (Mimeogr)
- 55-24, "Terminal Forecast Manuals," 1 July 1958, 8 pp. (Multi) *
- 55-25, "Climatological Data for MATS Transport Operations," 1 July 1960,
250 pp. (Multi) *

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LIST OF 2150th AIR WEATHER SQUADRON PUBLICATIONS (Jul 1960-)

2150th AIR WEATHER SQUADRON

Item No.

1. "Climatology Indoctrination Program," prepared by Climatic Center,
November 1960, 29 pp. (Multi) *

LIST OF 6th WEATHER SQUADRON (MOBILE) PUBLICATIONS (Jan 1953-Nov 1956)

6th WEATHER SQUADRON (MOBILE)Item No.

1. "Forecasting Tornadoes," by Lt Colonel E. J. Fawbush, and Major R. C. Miller, published in USAF Air University Quarterly Review, Spring 1953. *
2. "A Method of Forecasting Hailstone Size at the Earth's Surface," by Lt Colonel E. J. Fawbush, and Major R. C. Miller, published in Bull. Amer. Met. Soc., Vol. 34, No. 6, June 1953, pp. 235-244. *
3. "A Basis for Forecasting Peak Gusts in Non-Frontal Thunderstorms," by Lt Colonel E. J. Fawbush, and Major R. C. Miller, published in Bull. Amer. Met. Soc., Vol. 35, No. 1, January 1954, pp. 14-19.*
4. "The Types of Airmasses in Which Tornadoes Form," by Lt Colonel E. J. Fawbush, and Major R. C. Miller, 20 January 1954, 32 pp. incl. tables, figs. (Mimeogr) * Also published in Bull. Amer. Met. Soc., Vol. 35, No. 4, April 1954, pp. 154-165.
- 4a. "Severe Thunderstorm Forecasting," presented at the Second ALPA Annual Air Safety Forum, April 21-23, 1954, by Lt Colonel Ernest J. Fawbush, 7 pp. (Typescr) *
5. "Final Report Tornado-Sferics Season 1954," 15 November 1954, 247 pp. incl. figs. (Ditto) *
6. "Final Report Tornado-Sferics Season 1955," 31 October 1955, 229 pp. incl. figs. (Multi) *
7. "Air Structures Near Areas of Extensive Hail Damage," by Severe Weather Warning Center, 1955, 13 pp. (Ditto) * Also published in Bull. Amer. Met. Soc., Vol. 36, No. 9, November 1955, pp. 475-481.
8. "Severe Local Storms and Mid-Tropospheric Flow Patterns," by Lt Colonel E. J. Fawbush, and Major R. C. Miller, December 1955, 29 pp. (Multi)
9. "Severe Weather Forecasting," by Lt Colonel E. J. Fawbush, et al., December 1955, 31 pp. (Multi) *
10. "Detection of Developing Tornadic Activity," by Capt E. B. Dickson, January 1956, 6 pp. (Multi) *
11. "Sferics Readings on Windstorms and Tornadoes," by Capt E. B. Dickson, and Lt R. J. McConahy, January 1956, 8 pp. (Ozolid) *
12. "Correlation of Airmass Structure With Hail-Damage Areas," by Capt E. B. Dickson, and Lt M. E. White, January 1956, 15 pp. (Multi) *

6th WEATHER SQUADRON (MOBILE) (Cont'd)Item No.

13. "Use of Wet-Bulb-Zero Heights as a Severe Weather Forecasting Parameter," by Lt Colonel E. J. Fawbush, et al., January 1956, 15 pp. (Typescr)
14. "A System for Locating Sferics Fixes With AN/GRD-1A," by Lt R. J. McConahy, 1956, 15 pp. (Multi) *
15. "Radar Echoes Associated With Tornadic Development in Northwestern Texas," by Capt M. F. Page, 28 May 1956, 7 pp. (Ozalid) plus figs.*
16. "Correlation of Rareps With Occurrence of Tornadoes, April-July 1956," by Det 25, 1956, 7 pp. plus figs. (Ozalid) *
17. "Final Report Tornadic-Sferics Season 1956," by Lt Colonel B. Pusin, and Major R. C. Miller, October 1956, 82 pp. incl. figs. photos. (AD-126737) (Multi) *

LIST OF 8th WEATHER SQUADRON PUBLICATIONS (May 1951-Feb 1954)

8th WEATHER SQUADRONTechnical Memos:

- #1, "The Application of Differential Techniques to Analysis and Forecasting, Part I," by Lt Colonel G. E. Drubek, March 1953, 5 pp. (Mimeogr) *
- #2, "Forecasting Summer Fog at Thule," by Lt Colonel G. E. Drubek, June 1953, 18 pp. (Mimeogr) figs. (Ditto) (AD-31862) *
- #3, "The Application of Differential Techniques to Analysis and Forecasting, Part II," by Lt Colonel G. E. Drubek, July 1953, 25 pp. incl. figs. (Mimeogr) *
- #4, "Forecasting Strong Winds at Thule," by Lt Colonel G. E. Drubek, August 1953, 13 pp. (Mimeogr) figs. (AD-31863) *
(See also 5th Wea Gp: Forecasters' Handbook, Vol. II, Part VI)
- #5, "A Technique of Differential Analysis," by Sverre Petterssen, August 1953, 34 pp. incl. figs. (Mimeogr) *
- #6, "Climate of the Northeast Air Command Region," by Capt W. L. Hill, October 1953, 3 pp. plus figs. (Mimeogr) (AD-141224) *

Item No.

- 7. "Fundamentals of Thickness Analysis," by Lt Colonel G. E. Drubek, 1953, 6 pp. (Mimeogr) *

LIST OF 2060th MOBILE WEATHER SQUADRON PUBLICATIONS (Jan 1949-May 1952)
(Formerly 2021st M. Wea Sqd)

2060th MOBILE WEATHER SQUADRON

Item No.

1. "Winter Mountain Maneuvers, 10 Jan - 25 Mar 1949," by L. A. Weaver, 1949.
2. "A Method of Forecasting Very Severe Thunderstorms (Tornadoes)," by Major E. J. Fawbush, 1949, 6 pp. (Typescr) plus diagrams. *
3. "National Soaring Contest, Emira, N. Y.," prepared by Lt W. L. Followell, 17 July 1949, 10 pp. (Typescr) 6 pp. (Mimeogr) plus photos. *
4. "An Empirical Method of Forecasting Tornadic Development," by Major E. J. Fawbush, et al., published in Bull. Amer. Met. Soc., Vol. 32, No. 1, January 1951, pp. 1-9. *

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LIST OF 2021st MOBILE WEATHER SQUADRON PUBLICATIONS (Oct 1948-Jan 1949)
(Formerly 21st M. Wea Sqd)

2021st MOBILE WEATHER SQUADRON

Item No.

1. "Armed Forces Special Weapons Project," by Capt F. E. Powell,
November 1948, 5 pp. (Typescr) *

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LIST OF 2059th AIR WEATHER WING PUBLICATIONS (Oct 1948-Mar 1952)
(Formerly 59th Weather Wing)

2059th AIR WEATHER WING

Item No.

1. "A Method of Forecasting Very Severe Thunderstorms (Tornadoes)," by Major E. J. Fawbush, 1948, 10 pp. (Typescr) plus charts. *
2. "Three Dimensional Weather Map," by Major W. E. Kunz, 1948, 2 pp. (Typescr) plus photos. *

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LIST OF 2101st AIR WEATHER GROUP PUBLICATIONS (Oct 1948-Apr 1952)
(Formerly 101st WGP)

2101st AIR WEATHER GROUP

Item No.

1. "Ballistic Aerobee Computations," by Capt R. S. Wheeler, 1949, 15 pp. (Photostat) (ATI-110622) *
2. "Report on Value of Upper-Air Observations (Rawinsonde Section) in the San Joaquin Valley," prepared by Major M. Weinstein, et al., March 1951, 31 pp. (Typescr) *
3. [Technical Pamphlet #1], "Measurements of Winds in the Free Atmosphere," December 1951, 14 pp. (Multi) *
4. [Technical Pamphlet #2], "The Amble Gradient-Wind Scale," January 1952, 24 pp. (Multi) *
5. "A Study of the Precipitation Patterns Related to the Wind Field in the Upper Troposphere," by Capt C. O. Jenista, 1952, 14 pp. (Typescr) plus figs. *

9th WEATHER SQUADRON (1948-52)

6. "Relative Humidity-Dew Point Chart," by Major M. M. Goodmanson, circa 1951, 12 pp. (Photostat) *

LIST OF 2102d AIR WEATHER GROUP PUBLICATIONS (Oct 1948-Feb 1952)
(Formerly 102nd AWGp)

2102d AIR WEATHER GROUP

25th WEATHER SQUADRON

Item No.

1. "Preliminary Report on Correlation Between Sferics and Hurricane Tracks of 1948," 20 November 1948, 4 pp. (Typescr) *
2. "A Study of the Relationship of Sferics Reports to Hurricane Paths and Areas of Origin, 1948," 15 March 1949, 9 pp. (Mimeogr) plus diagrams. *
3. "A Study of the Relationship of Sferics Reports to Hurricane Paths and Areas of Origin for 1947," 12 April 1949, 13 pp. (Mimeogr) plus diagrams. *
4. "Weather Outlook for Exercise Snowfall," 12 October 1951, 8 pp. (Mimeogr) *

1st WEATHER SQUADRON (May 49-Oct 50)

5. "Climate of Canton and Howland Islands (Pacific Ocean)," by V. S. Palmer, Det 1-4L, Camp Detrick, 10 August 1949, 21 pp. (Multi) *

LIST OF 59th WEATHER WING PUBLICATIONS (June 1948-Oct 1948)
(Formerly Continental WWg)

59th WEATHER WING

Item No.

1. "Weather Message Contents Handbook United States Section," 1 July 1948,
22 pp. (Mimeogr) *

LIST OF CONTINENTAL WEATHER WING PUBLICATIONS (Oct 1945-Jun 1948)

Item No.CONTINENTAL WEATHER WING

1. "Hodograph Analysis - An Outline," circa 1946, 5 pp. (Mimeogr) *

67th AAFBU

2. "Tornadoes at Tinker AFB, 20 and 25 March 1948," 9 April 1948, 3 pp. (Typescr) plus charts. *

101st WEATHER GROUP (68th AAFBU)

3. "File on GFOG," prepared by Major Louis L. Kolb, Jan-Feb 1946. *

102nd WEATHER GROUP (74th AAFBU)

4. "Signal Corps Developed Weather Station Furniture Installed at Base Weather Station, Clinton County, Ohio," circa 1946 (Photos)*

103d WEATHER GROUP (70th AAFBU)

5. "Report of 2000-Gram Balloon Flights," August 1947, 38 pp. (Mimeogr) *
6. "A Synoptic Situation Producing Tornadoes in Kansas," by Lt A. Hekking, April 1948, 3 pp. (Typescr) *

104th WEATHER GROUP (71st AAFBU)

7. "Operating Procedure for Caribbean Sferics Network," January 1948, 29 pp. (Typescr) *

LIST OF 53d STRATEGIC RECONNAISSANCE SQUADRON (MEDIUM) PUBLICATIONS
(Feb 1951-Feb 1954)

53d STRATEGIC RECONNAISSANCE SQUADRON (MEDIUM)

Item No.

1. "Report on Hurricanes, 20 May through 1 Dec 1951," February 1952,
126 pp. (Photostat) *

LIST OF 2078th AIR WEATHER RECONNAISSANCE SQUADRON (SPECIAL) (Oct 1948-Mar 1950)
(Formerly 1st Wea Recn Sqd (Special))

2078th AIR WEATHER RECONNAISSANCE SQUADRON (SPECIAL)

Item No.

1. "A New Forecasting Aid - The Pelican Track," circa 1948, 7 pp.
(Mimeogr) plus chart. *
2. "Albedo Computations," 1948, 8 pp. (Typescr) plus charts. *
3. "Preliminary Report of 'Project Albedo'," prepared by 1/Lt W. E. Warner,
15 December 1948, 22 pp. photos and data sheets. (See AWS TR 105-41,
for "Final Report") *
4. "Final Report Project Static Point," 31 January 1950, 31 pp. incl. figs.*

LIST OF 308th RECONNAISSANCE GROUP PUBLICATIONS (Oct 1946-Jan 1951)

Item No.308th RECONNAISSANCE GROUP

1. Training Manual 308-50-1, "VLR Weather Recon Units and Combat Crews, Part I through V," circa early 1948. (Mimeogr) *
2. "Pressure Altimeter Anomaly Project," by Capt J. O. Vann, 15 April 1948, 18 pp. (Typescr) plus 9 plates, 38 data sheets. *
3. "Pilots Report on B-29 Operations for Atmospheric Electricity Project," by Lt P. M. Crumley, 1948, 8 pp. (Typescr), published in Weather Service Bulletin, No. 7, July 1949, pp. 18-22. *
4. "Examination of a Tornado by Means of Radar," 5 August 1948, 3 pp. (Typescr) fig. charts. *
5. "AWS B-29 Operation Over Thunderstorms," by 1/Lt P. M. Crumley, published in Weather Service Bulletin, No. 3, March 1948, pp. 13-18. *
6. Information Bulletin #4, Section II, "Projects," 15 January 1948, (Mimeogr) *
7. Information Bulletin #6, August 1949, 36 pp. (Multi) *
8. "Special Projects Manual," February 1950, 23 pp.
9. "Our Weather Eyes," by 1/Lt L. L. Howes, [1948], 29 pp. (Typescr) photos. *

55th RECONNAISSANCE SQUADRON (VLR) WEATHER (Oct 1946-Oct 1947)

10. "Report of B-29 Flight Over Top of a Hurricane in the Caribbean," 24 October 1946, 3 pp. (Typescr) *

11.

513th RECONNAISSANCE SQUADRON (VLR) WEATHER (Aug 1949-Jan 1951)

11. "Aerial Weather Reconnaissance for Weather Observers (8220)," 1 March 1950, 65 pp. (Multi) *
12. "Aerial Weather Reconnaissance Dropsonde Analyst 942-B," 1 May 1950, 33 pp. (Multi) *

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LIST OF 1st AIR WEATHER GROUP (PROVISIONAL) PUBLICATIONS (July 1946-Oct 1946)

1st AIR WEATHER GROUP (PROVISIONAL)

Item No.

1. "Aerograph - Instruction Manual, Maintenance and Computation," 1946,
48 pp. (Mimeogr) *

LIST OF 53d RECONNAISSANCE SQUADRON (VLR) WEATHER PUBLICATIONS
(Mar 1946-Oct 1947)

53d RECONNAISSANCE SQUADRON (VLR) WEATHER

Item No.

1. "Gradient Wind Scale for Altimeter Corrections," by Lt J. Smagorinsky,
April 1946, 26 pp. (Mimeogr) plus charts. *

LIST OF 72d AAFBU (SPECIAL PROJECTS UNIT DETACHMENT) PUBLICATIONS
(Oct 1945-Apr 1947)

72d AAFBU (SPECIAL PROJECTS UNIT DETACHMENT)

Item No.

1. "A Modification of the Washington State College (WSC) Low Level Atmospheric Sounding Equipment," by 1/Lt T. W. Wallschlaeger, 1945? 5 pp. (Typescr) plus diagrams. *
2. "Final Report of Weather Research Unit," by Capt W. T. Gordon, November 1945, 9 pp. (Typescr) *
3. "Studies on the Effects of Meteorological Elements on the Dispersion of BW and CW Agents," 8 July 1946, 7 pp. (Typescr) *
4. "Informal Progress Report, Micrometeorological Instruments," by Charles J. Hlad, 1 March through 31 July 1946, 9 pp. (Mimeogr) plus figs. *
5. "Report of Progress Computer Project," by Lt P. D. Thompson, November 1946, 5 pp. (Typescr) *
6. "Survey of the Electronic Computer Project at the Institute for Advanced Study," by Lt P. D. Thompson, 6 March 1947, 25 pp. (Mimeogr) *
7. "History of the Armament Laboratory Visibility Project Flight Test Section, Boeing Aircraft Company, Seattle, Washington," by Capt D. A. Wypiszynski, 20 January 1931 through March 1947, 4 pp. (Typescr) *
8. "Mathematical Analysis of Steady Bounded Streams of Variable Depth," by Lt P. D. Thompson, 2 April 1947, 14 pp. (Typescr) incl. figs. *

A CHRONOLOGY OF ORGANIZATIONAL CHANGES IN
AIR WEATHER SERVICE, 1945 - July 1961

The changes in AWS organization have been very complex. The only feasible way to arrange their bibliography was by organization. Therefore, it was necessary to have a correct historical chronology of the organizational structure. Such a chronology has been compiled from the official historical reports, and is published here in order to explain the sequence and arrangement used in the bibliographic listings as well as for the convenience of AWS activities in answering historical questions that arise from time to time.

The primary headings in the chronology are the present and former AWS Weather Wings and independent Groups and Squadrons, i.e. the first echelons of command below Headquarters Air Weather Service. The chronology for each of these first echelon organizations starts with the oldest antecedent organization and follows in sequence all changes down to the present or last status, including subordinate groups and squadrons and all changes in name or designation. The chronologies are presented in numerical sequence by units (pp. 128-150). Many of the numerical designations of groups and squadrons were retained when these units were reassigned from an independent to dependent status, or vice versa; and some of the designations which were dropped, when changes in status were made, were reapplied to other units at a later time. As a convenient orientation to this most confusing complexity, a list of former and present independent groups and squadrons is presented on pp. 123-127, before the chronologies begin. The chronology of any given independent unit (past or present) includes all the organizations which had a continuous history by virtue of mission, area of responsibility, redesignation, or assignment, leading to the present or last status of that independent unit. Each chronology follows the organizational chain of command, hence, there are no separate chronologies of dependent units as these are included under the parent unit. All the reconnaissance units, however, are given separate treatment (pp. 146-149), resulting in some duplication, since many of the reconnaissance units were at times in dependent status under regular weather units.

The official beginning date of the Air Weather Service was 1 July 1945. However, certain World War II AAF weather units in overseas theaters did not undergo any redesignation or reorganization at that time. But by 1946, all of these units were either abolished, redesignated, or put directly under the Air Weather Service. The post - 1 July 1945 chronologies of those overseas wartime units which were abolished are omitted here and will be included in Part II of this Bibliography.

LIST OF FORMER INDEPENDENT GROUPS AND SQUADRONS

3rd WEATHER GROUP: Activated 20 Apr 52 - 8 Aug 59
Redesignated 4th Weather Wing 8 Aug 59

5th WEATHER GROUP: Reactivated 8 Feb 54 - 8 Oct 56
Assigned to 3d Wea Wg 8 Oct 56
Inactivated 18 Oct 60

6th WEATHER GROUP: Reactivated 20 Apr 52 - Inactivated 18 Jun 58

7th WEATHER GROUP: Reactivated 20 Apr 52 - Inactivated 8 May 58

8th WEATHER GROUP: Activated 21 Dec 45 - Inactivated 1 Oct 48

9th WEATHER GROUP: Activated 2 Apr 52 - Inactivated 9 Jul 61

55th WRS: 15 Feb 54 - Inactivated 9 Jul 61

56th WRS: Assigned from 10th Wea Gp 18 Mar 60
Reassigned to 9th Wea Recon Gp 9 Jul 61

58th WRS: 18 Apr 58 - Inactivated 8 Aug 58

59th WRS: Activated 1 Apr 56 - Inactivated 18 Mar 60
(This organization is not to be confused
with the old 59th Recon Sq (VLR) which
ultimately became 58th WRS.)

6th WEATHER SQUADRON (MOBILE): 20 Jan 53 - 1 Nov 56; Assigned to 4th WGP 1 Nov 56
(This organization is not to
be confused with the 6th Wea
Sqd which was inactivated
20 May 52, although this 6th
Wea Sqd (Mobile) acquired
the mission, personnel and
equipment of the inactivated
6th Wea Sqd.)

8th WEATHER SQUADRON: 2 May 51 - Inactivated 8 Feb 54

21st MOBILE WEATHER SQUADRON: Activated 1 Jun 48 - 1 Oct 48

Redesignated 2021st MOBILE WEATHER SQUADRON, 1 Oct 48 - 1 Jan 49

Redesignated 2060th MOBILE WEATHER SQUADRON, 1 Jan 49 - Inactivated 20 May 52

LIST OF PRESENT INDEPENDENT GROUPS

2nd WEATHER GROUP: Activated 20 Apr 52 -

4th WEATHER GROUP: Activated 20 Apr 52 -

8th WEATHER GROUP: Reactivated 20 Apr 52 -

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LIST OF PRESENT INDEPENDENT SQUADRONS

2150th AIR WEATHER SQUADRON: Activated 1 Jul 60 -

30 June 1961

LIST OF FORMER INDEPENDENT RECONNAISSANCE SQUADRONS

8th RECONNAISSANCE SQUADRON (SPECIAL): Activated 23 Mar 44 - Aug 44

Redesignated 654th BOMBARDMENT SQUADRON, HEAVY (RECONNAISSANCE SQUADRON), Aug 44

Redesignated 54th RECONNAISSANCE SQUADRON (LR) WEATHER, 29 Sep 45

Redesignated 54th RECONNAISSANCE SQUADRON (VLR) WEATHER, Assigned to Hq AWS
20 Mar 46; Reassigned
to 1st Wea Gp (Prov)
21 Jul 46; Assigned to
308th Recon Gp (Wea)
17 Oct 46; Inactivated
15 Oct 47

514th RECONNAISSANCE SQUADRON (VLR) WEATHER: Activated 16 Oct 47; Assigned to
43d Wea Wg. (This Sqd replaced
54th Recon Sqd (VLR) Weather.)

512th BOMBARDMENT SQUADRON (HEAVY): Activated 13 Oct 42

Redesignated 512th BOMBARDMENT SQUADRON, HEAVY, 22 Feb 44

Redesignated 512th BOMBARDMENT SQUADRON, VERY HEAVY, 19 May 45 - Inactivated
26 Mar 46

512th RECONNAISSANCE SQUADRON (VLR) WEATHER: Activated 23 May 47 - 20 Sep 48
(Remained paper organization)

Reactivated 13 Feb 49; Assigned to
308th Recon Gp (Wea); Reassigned to
2143d AWWg Jan 50

513th RECONNAISSANCE SQUADRON (VLR) WEATHER: Activated 23 May 47 - 20 Sep 48
(Remained paper organization)

Reactivated 10 Aug 49; Assigned to
308th Recon Gp (Wea)

Redesignated 57th STRATEGIC RECONNAISSANCE SQUADRON (MEDIUM) WEATHER, Reassigned to
2143d AWWg
19 Feb 51;
Inactivated
18 Oct 58

LIST OF FORMER INDEPENDENT RECONNAISSANCE SQUADRONS (Cont'd)

59th RECONNAISSANCE SQUADRON (LR) WEATHER: Activated 1 Aug 45

Redesignated 59th RECONNAISSANCE SQUADRON (VLR) WEATHER, 7 Dec 45 - Assigned to
Hq AWS 20 Mar 46;
Reassigned to 1st Wea Gp
(Prov) 21 Jul 46;
Assigned to 308th Recon
Gp (Wea) 17 Oct 46;
Inactivated 15 Oct 47

375th RECONNAISSANCE SQUADRON (VLR) WEATHER: Activated 16 Oct 47; Assigned to
7th Wea Gp. (This Sqd replaced
59th Recon Sqd (VLR) Weather.)

Redesignated 58th STRATEGIC RECONNAISSANCE SQUADRON (MEDIUM) WEATHER, 20 Feb 51

Redesignated 58th WEATHER RECONNAISSANCE SQUADRON, 15 Feb 45 - Assigned to 9th
Wea Gp 18 Apr 58; Inactivated
8 Aug 58

CHRONOLOGY OF PRESENT 1st WEATHER WING AND ITS ANTECEDENTS

FEAF WEATHER GROUP (PROVISIONAL): Activated 25 Oct 44 - Inactivated 20 Sep 45

43d WEATHER WING: Activated 20 Sep 45 - 1 Oct 48

514th Recon Sqd (VLR) Weather: Activated 16 Oct 47 - 1 Jun 48

1st Weather Group: Activated 20 Sep 45; Became paper organization 31 Dec 45;
Redesignated 2100th Air Weather Group 1 Oct 48;
Inactivated 23 Oct 49.

15th Wea Sqd: 29 Sep 45 - From 31 Dec 45 to 1 Oct 48 under 43d Wea Wg

20th Wea Sqd: 29 Sep 45 - From 31 Dec 45 to 1 Oct 48 under 43d Wea Wg

29th Wea Sqd: 1 Nov 45 - Inactivated 31 Jul 46

30th Wea Sqd: 31 Jul 46 - From 31 Dec 45 to 1 Oct 48 under 43d Wea Wg

31st Wea Sqd: 31 Jul 46 - From 31 Dec 45 to 1 Oct 48 under 43d Wea Wg

514th Recon Sqd (VLR) Weather: 1 Jun 48 - 1 Oct 48

2nd Weather Group: Activated 20 Sep 45; Became paper organization 31 Dec 45;
Inactivated 1 Aug 46.

15th Wea Sqd: 20 Sep 45 - Assigned to 1st Wea Gp 29 Sep 45

20th Wea Sqd: 20 Sep 45 - Assigned to 1st Wea Gp 29 Sep 45

29th Wea Sqd: 20 Sep 45 - Assigned to 1st Wea Gp 1 Nov 45

30th Wea Sqd: 20 Sep 45 - Assigned to 1st Wea Gp 31 Jul 46

31st Wea Sqd: 20 Sep 45 - Assigned to 1st Wea Gp 31 Jul 46

Redesignated 2043d WEATHER WING, 1 Oct 48:

15th Wea Sqd: 1948 - 1949

20th Wea Sqd: 1948 - 1949

30th Wea Sqd: 1948 - 1949

31st Wea Sqd: 1948 - 1949

514th Recon Sqd (VLR) Weather: 1948 - 1949

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CHRONOLGY OF PRESENT 1st WEATHER WING AND ITS ANTECEDENTS (Cont'd)

Redesignated 2143d AIR WEATHER WING, 1 Jan 49:

15th Wea Sqd: 1949 - 1953

20th Wea Sqd: 1949 - 1953

30th Wea Sqd: 1949 - 1953; Inactivated 9 Nov 49; Reactivated 15 Nov 50

31st Wea Sqd: 1949 - 1952; Assigned to 2058th AWGp 20 May 52

512th Recon Sqd (VLR) Weather: Assigned from 308th Recon Gp (Wea) Jan 50;
Redesignated 56th SRS, Med Wea 20 Feb 51 - 53

513th Recon Sqd (VLR) Weather: Assigned from 308th Recon Gp (Wea) 19 Feb 51;
Redesignated 57th SRS, Med Wea 20 Feb 51 - 53

514th Recon Sqd (VLR) Weather: Redesignated 54th SRS, Med Wea 20 Feb 51 - 53

Redesignated 1st WEATHER WING, 8 Feb 53: Organized as Hq 1 Wea Wg (ADVON) 8 Oct 60

15th Wea Sqd: 1953 - 1957

20th Wea Sqd: 1953 - Inactivated 18 Feb 57

30th Wea Sqd: 1953 - 1957

54th SRS Med Wea: 1953 - 1954; Redesignated 54th WRS 15 Feb 54

56th SRS Med Wea: 1953 - 1954; Redesignated 56th WRS 15 Feb 54

57th SRS Med Wea: 1953 - 1954; Redesignated 57th WRS 15 Feb 54

10th Weather Group: Activated 18 Feb 57 - Inactivated 8 Oct 60

15th Wea Sqd: 1957 - Inactivated 8 Aug 59

30th Wea Sqd: 1957 - Inactivated 8 Aug 59

54th WRS: 1957 - Inactivated 18 Mar 60

56th WRS: 1957 - Reassigned to 9 Wea Gp 18 Mar 60

57th WRS: 1957 - Inactivated 18 Oct 58

CHRONOLOGY OF PRESENT 2nd WEATHER WING AND ITS ANTECEDENTS

59th WEATHER WING: Activated 11 Dec 45 - Inactivated 3 Oct 47
(Personnel were transferred to 5th Wea Gp 6 Jul 46)

5th Weather Group: Activated 11 Dec 45 - Inactivated 1 Jun 48

12th Wea Sqd: 11 Dec 45 - Transferred to Hq AWS 2 Aug 46;
Inactivated 3 Oct 47

18th Wea Sqd: 11 Dec 45 - Assumed duties of 5th Wea Gp
1 Jun 48 - 20 Jan 49

19th Wea Sqd: 26 Aug 46 - Assigned to 103d Wea Gp 1 Jun 48

21st Wea Sqd: 11 Dec 45 - Inactivated 12 Jul 46

18th Wea Sqd: 1 Jun 48 - Assigned to 2105th AWGp 20 Jan 49

6th Weather Group: Activated 15 Dec 45; Became paper organization
30 May 46; Inactivated 3 Oct 47

19th Wea Sqd: 15 Dec 45; Became paper organization 20 May 46;
Assigned to 5th Wea Gp 26 Aug 46

35th Wea Sqd: 15 Dec 45; Became paper organization 30 May 46;
Inactivated 12 Jul 46

2105th AIR WEATHER GROUP: Activated 20 Jan 49

18th Wea Sqd: 1949 - 1951

28th Wea Sqd: 1949 - 1951

29th Wea Sqd: Activated 1 Apr 49 - 12 Oct 51

Redesignated 2058th AIR WEATHER WING, 12 Oct 51:

18th Wea Sqd: 1951 - 1954

28th Wea Sqd: 1951 - 1954

29th Wea Sqd: 1951 - 1954

31st Wea Sqd: Assigned from 2143d AWWg 20 May 52

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CHRONOLOGY OF PRESENT 2nd WEATHER WING AND ITS ANTECEDENTS (Cont'd)

Redesignated 2nd WEATHER WING, 8 Feb 54:

7th Wea Sqd: Activated 8 Aug 59
18th Wea Sqd: 1954 - Inactivated 8 Oct 60
21st Wea Sqd: Reactivated 18 Aug 56 -
28th Wea Sqd: 1954 -
29th Wea Sqd: 1954 - Inactivated 18 May 58
31st Wea Sqd: 1954 -
53d WRS: 15 Feb 54 - Inactivated 18 Mar 60

CHRONOLOGY OF PRESENT 3rd WEATHER WING AND ITS ANTECEDENTS

68th AAFBU (101st Wea Gp): Activated 1 Oct 45 - Inactivated 1 Jun 48

101st WEATHER GROUP: Activated 1 Jun - 1 Oct 48

9th Wea Sqd: 1948 - Reassigned from 8th Wea Gp 1 Jun 48

10th Wea Sqd: 1948 - 1 Oct 48

Redesignated 2101st AIR WEATHER GROUP, 1 Oct 48 - Inactivated 24 Oct 50;
Reactivated 1 Aug 51

2nd Wea Sqd: Reactivated 5 Sep 51 - 20 Apr 52

9th Wea Sqd: 1948 - Assigned to 2059th AWWg 24 Oct 50;
Reassigned to 2101st AWGp 16 Sep 51 - 20 Apr 52

10th Wea Sqd: 1948 - Assigned to 2059th AWWg 24 Oct 50;
Reassigned to 2101st AWGp 20 Sep 51 - 20 Apr 52

26th Wea Sqd: 1948 - Assigned to 2059th AWWg 24 Oct 50;
Reassigned to 2101st AWGp 15 Sep 51 - 20 Apr 52

Redesignated 1st WEATHER GROUP, 20 Apr 52 - 8 Oct 56

2nd Wea Sqd: 1952 - Inactivated 8 Oct 56

9th Wea Sqd: 1952 - 1956

10th Wea Sqd: 1952 - Inactivated 20 May 52

26th Wea Sqd: 1952 - 1956

Redesignated 3rd WEATHER WING, 8 Oct 56:

5th Weather Group: Assigned 8 Oct 56 - Inactivated 18 Oct 60

8th Wea Sqd: Reactivated 18 Oct 60

9th Wea Sqd: 1956 -

26th Wea Sqd: 1956 -

CHRONOLOGY OF PRESENT 4th WEATHER WING AND ITS ANTECEDENTS

70th AAFBU (103d Wea Gp): Activated 1 Oct 45 - Inactivated 1 Jun 48

103d WEATHER GROUP: Activated 1 Jun 48 - 1 Oct 48

19th Wea Sqd: 1948 - 1 Oct 48

24th Wea Sqd: 1948 - 1 Oct 48

Redesignated 2103d AIR WEATHER GROUP, 1 Oct 48 - Inactivated 24 Oct 50;
Reactivated 1 Aug 51

4th Wea Sqd: Reactivated 5 Sep 51 - 52

12th Wea Sqd: 1948 - 1952; Assigned from 2102d AWGp 1 Oct 48;
Reassigned to 2059th AWWg 24 Oct 50;
Reassigned from 2059th AWWg to
2103d AWGp 16 Sep 51 - 52

16th Wea Sqd: 1949 - 1952; Assigned from 2102d AWGp 20 May 49;
Reassigned to 2059th AWWg 24 Oct 50;
Reassigned from 2059th AWWg to
2103d AWGp 16 Sep 51 - 52

19th Wea Sqd: 1948 - 1952; Reassigned to 2059th AWWg 24 Oct 50;
Reassigned from 2059th AWWg to
2103d AWGp 16 Sep 51 - 52

24th Wea Sqd: 1948 - 1952; Reassigned to 2059th AWWg 24 Oct 50;
Reassigned from 2059th AWWg to
2103d AWGp 16 Sep 51 - 52

Redesignated 3rd WEATHER GROUP, 20 Apr 52 - Inactivated 8 Aug 59

4th Wea Sqd: 1952 - Assigned to 4th WWg 8 Aug 59

11th Wea Sqd: Reactivated 18 Jun 58 - Assigned to 4th WWg 8 Aug 59

12th Wea Sqd: 1952 - Assigned to 4th WWg 8 Aug 59

16th Wea Sqd: 1952 - Reassigned to 8th Wea Gp 2 Jun 52

19th Wea Sqd: 1952 - Assigned to 4th WWg 8 Aug 59

24th Wea Sqd: 1952 - Reassigned to 8th Wea Gp 2 Jun 52

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CHRONOLOGY OF PRESENT 4th WEATHER WING AND ITS ANTECEDENTS (Cont'd)

4th WEATHER WING: Activated 8 Aug 59

4th Wea Sqd: 1959 -

11th Wea Sqd: 1959 -

12th Wea Sqd: 1959 -

19th Wea Sqd: 1959 - Inactivated 8 Jul 61

29th Wea Sqd: Activated Oct 60

32nd Wea Sqd: Activated 8 Aug 59

33rd Wea Sqd: Activated 8 Aug 59

35th Wea Sqd: Activated 8 Apr 60

CHRONOLOGY OF PRESENT 2nd WEATHER GROUP AND ITS ANTECEDENTS

74th AAFBU (102d Wea Gp): Activated 1 Oct 45 - Inactivated 1 Jun 48

102d WEATHER GROUP: Activated 1 Jun 48 - 1 Oct 48

12th Wea Sqd: Reactivated 1 Jun 48 - Assigned to 2103d AWGp 1 Oct 48

16th Wea Sqd: 1948 - 1 Oct 48

Redesignated 2102d AIR WEATHER GROUP, 1 Oct 48 - Inactivated 24 Oct 50;
Reactivated 1 Aug 51

1st Wea Sqd: Activated 20 May 49 - 24 Oct 50; Assigned to 2059th AWWg
24 Oct 50 - 1 Aug 51;
Reassigned to 2102d AWGp
1 Aug 51 - 20 Apr 52

3rd Wea Sqd: Activated 5 Sep 51 - 20 Apr 52

16th Wea Sqd: 1 Oct 48 - 20 May 49; Reassigned to 2103d AWGp 20 May 49

25th Wea Sqd: 1 Oct 48 - 24 Oct 50; Assigned to 2059th AWWg 24 Oct 50 -
1 Aug 51; Reassigned to 2102d AWGp
16 Sep 51 - 20 Apr 52

Redesignated 2nd WEATHER GROUP, 20 Apr 52:

1st Wea Sqd: 20 Apr 52 - Inactivated 2 Jun 52

3rd Wea Sqd: 20 Apr 52 -

16th Wea Sqd: Reactivated 8 Aug 59 -

25th Wea Sqd: 20 Apr 52 -

CHRONOLOGY OF PRESENT 4th WEATHER GROUP AND ITS ANTECEDENTS

71st AAFBU (104th Wea Gp): Activated 1 Oct 45 - Inactivated 1 Jun 48

104th WEATHER GROUP: Activated 1 Jun 48 - 1 Oct 48

25th Wea Sqd: 1 Jun 48 - Assigned to 2102nd AWGp 1 Oct 48

26th Wea Sqd: 1 Jun 48 - Assigned to 2101st AWGp 1 Oct 48

Redesignated 4th WEATHER GROUP, 20 Apr 52:

6th Wea Sqd (Mobile): Assigned 1 Nov 56 -

CHRONOLOGY OF FORMER 6th WEATHER GROUP

59th WEATHER WING: Activated 11 Dec 45 - Inactivated 3 Oct 47

6th Weather Group: Activated 15 Dec 45; Became paper organization
30 May 46; Inactivated 3 Oct 47

19th Wea Sqd: 15 Dec 45; Became paper organization
20 May 46; Assigned to 5th Wea Gp 26 Aug 46

35th Wea Sqd: 15 Dec 45; Became paper organization
30 May 46; Inactivated 12 Jul 46

6th WEATHER GROUP: Reactivated 20 Apr 52 - Inactivated 18 Jun 58

6th Wea Sqd: Activated 20 May 52;
Redesignated 6th Wea Sqd (Mobile) 1 Aug 52;
Assigned to Headquarters 20 Jan 53;
Independent from 20 Jan 53 - 1 Nov 56;
Assigned to 4th Wea Gp 1 Nov 56

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CHRONOLOGY OF FORMER 7th WEATHER GROUP AND ITS ANTECEDENTS

7th WEATHER GROUP: Activated 12 Dec 45 - 1 Oct 48

11th Wea Sqd: 12 Dec 45; Became paper organization 1 Jul 46;
Personnel and duties assumed by
7th Wea Gp

16th Wea Sqd: 12 Dec 45; Became paper organization 1 Jul 46;
Personnel and duties assumed by
7th Wea Gp

375th Recon Sqd (VLR) Weather: 16 Oct 47 - 1 Oct 48

Redesignated 2107th AIR WEATHER GROUP, 1 Oct 48 - 20 Apr 52

11th Wea Sqd: 1 Oct 48 - Assigned to 8th Wea Gp 20 Apr 52

375th Recon Sqd (VLR) Weather: 1 Oct 48 - Redesignated 58th SRS (M) Weather
20 Feb 51 - 20 Apr 52

Redesignated 7th WEATHER GROUP, 20 Apr 52 - Inactivated 8 May 58;
Reactivated as 11th Wea Sqd
under 3rd Wea Gp 18 Jun 58

58th SRS (M) Weather: 20 Apr 52 - Redesignated 58th WRS 15 Feb 54;
Assigned to 9th Wea Gp 18 Apr 58;
Inactivated 8 Aug 58

CHRONOLOGY OF FORMER 2108th WEATHER GROUP AND ITS ANTECEDENTS

8th WEATHER GROUP: Activated 21 Dec 45 - 1 Oct 48

6th Wea Sqd: 1945 - 1948

8th Wea Sqd: 1945 - 1948

9th Wea Sqd: 1945 - Assigned to 101st WGP 1 Jun 48

22nd Wea Sqd: 1945 - Inactivated 2 Feb 46

373d Recon Sqd (VLR) Weather: 16 Oct 47 - 48

Redesignated 2108th AIR WEATHER GROUP, 1 Oct 48 - Inactivated 25 May 51

6th Wea Sqd: 1948 - Assigned to Hq AWS 2 May 51;
Inactivated 20 May 52

8th Wea Sqd: 1948 - Assigned to Hq AWS 2 May 51;
Inactivated 8 Feb 54

373d Recon Sqd (VLR) Weather: 1948 - Inactivated 20 Feb 51

CHRONOLOGY OF PRESENT 8th WEATHER GROUP

8th WEATHER GROUP: Reactivated 20 Apr 52 -

11th Wea Sqd: 20 Apr 52 - Assigned from 2107th 20 Apr 52;
Inactivated 18 Nov 57

16th Wea Sqd: 2 Jun 52 - Assigned from 3d Wea Gp 2 Jun 52;
Inactivated 18 Nov 57;
Reactivated 8 Aug 59; Assigned to 2d Wea Gp

24th Wea Sqd: 2 Jun 52 - Assigned from 3d Wea Gp 2 Jun 52;
Inactivated 18 Nov 57
Reactivated 8 Jul 61

15th Wea Sqd: Reactivated 8 Jul 61

CHRONOLOGY OF PRESENT 9th WEATHER GROUP

9th WEATHER GROUP: Activated 2 Apr 52 - 9 Jul 61

55th WRS: 15 Feb 54 - Inactivated 9 Jul 61

56th WRS: 18 Mar 60 - Assigned from 10th Wea Gp 18 Mar 60

58th WRS: 18 Apr 58 - Inactivated 8 Aug 58

59th WRS: Activated 1 Apr 56 - Inactivated 18 Mar 60

(This organization is not to be confused
with the old 59th Recn Sqd (VLR) which
ultimately became 58th WRS.)

Redesignated 9th WEATHER RECONNAISSANCE GROUP, 9 Jul 61:

56th WRS: 9 Jul 61 -

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CHRONOLOGY OF FORMER 2060th MOBILE WEATHER SQUADRON
AND ITS ANTECEDENTS

21st MOBILE WEATHER SQUADRON: Activated 1 Jun 48 - 1 Oct 48

Redesignated 2021 MOBILE WEATHER SQUADRON, 1 Oct 48 - 1 Jan 49

Redesignated 2060th MOBILE WEATHER SQUADRON, 1 Jan 49 - Inactivated 20 May 52

CHRONOLOGY OF FORMER 2059th AIR WEATHER WING AND ITS ANTECEDENTS

CONTINENTAL WEATHER WING: Activated 1 Oct 45 - Inactivated 1 Jun 48

67th AAFBU: 1 Oct 45 - Inactivated 1 Jun 48

68th AAFBU (101st Wea Gp): 1 Oct 45 - Redesignated 101st Wea Gp 1 Jun 48

70th AAFBU (103d Wea Gp): 1 Oct 45 - Redesignated 103d Wea Gp 1 Jun 48

71st AAFBU (104th Wea Gp): 1 Oct 45 - Redesignated 104th Wea Gp 1 Jun 48

74th AAFBU (102nd Wea Gp): 1 Oct 45 - Redesignated 102nd Wea Gp 1 Jun 48

59th WEATHER WING: Reactivated 1 Jun - 1 Oct 48

101st Weather Group: Redesignated 2101st Air Weather Group 1 Oct 48

9th Wea Sqd: 1 Jun 48 - 1 Oct 48; Assigned from 8th Wea Gp

10th Wea Sqd: 1 Jun 48 - 1 Oct 48

102nd Weather Group: Redesignated 2102nd Air Weather Group 1 Oct 48

12th Wea Sqd: Reactivated 1 Jun 48 - Assigned to 2103d AWGp 1 Oct 48

16th Wea Sqd: 1 Jun 48 - 1 Oct 48

103d Weather Group: Redesignated 2103rd Air Weather Group 1 Oct 48

19th Wea Sqd: 1 Jun 48 - 1 Oct 48

24th Wea Sqd: 1 Jun 48 - 1 Oct 48

104th Weather Group: Redesignated 2104th Air Weather Group 1 Oct 48

25th Wea Sqd: 1 Jun 48 - Assigned to 2102nd AWGp 1 Oct 48

26th Wea Sqd: 1 Jun 48 - Assigned to 2101st AWGp 1 Oct 48

Redesignated 2059th AIR WEATHER WING, 1 Oct 48 - Inactivated 31 Mar 52

9th Wea Sqd: 24 Oct 50 - 16 Sep 51; Assigned from 2101st AWGp;
Reassigned to 2101st AWGp
16 Sep 51 - 20 Apr 52

10th Wea Sqd: 24 Oct 50 - 16 Sep 51; Assigned from 2101st AWGp;
Reassigned to 2101st AWGp
16 Sep 51 - 20 Apr 52

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CHRONOLOGY OF FORMER 2059th AIR WEATHER WING AND ITS ANTECEDENTS (Cont'd)

2059th AIR WEATHER WING (Cont'd)

26th Wea Sqd: 24 Oct 50 - 16 Sep 51; Assigned from 2101st AWGp;
Reassigned to 2101st AWGp
16 Sep 51 - 20 Apr 52

1st Wea Sqd: 24 Oct 50 - 1 Aug 51; Assigned from 2102nd AWGp;
Reassigned to 2102nd AWGp
1 Aug 51 - 20 Apr 52

25th Wea Sqd: 24 Oct 50 - 16 Sep 51; Assigned from 2102nd AWGp;
Reassigned to 2102nd AWGp
16 Sep 51 - 20 Apr 52

12th Wea Sqd: 24 Oct 50 - 16 Sep 51; Assigned from 2103rd AWGp;
Reassigned to 2103rd AWGp
16 Sep 51 - 20 Apr 52

16th Wea Sqd: 24 Oct 50 - 16 Sep 51; Assigned from 2103rd AWGp;
Reassigned to 2103rd AWGp
16 Sep 51 - 20 Apr 52

19th Wea Sqd: 24 Oct 50 - 16 Sep 51; Assigned from 2103rd AWGp;
Reassigned to 2103rd AWGp
16 Sep 51 - 20 Apr 52

24th Wea Sqd: 24 Oct 50 - 16 Sep 51; Assigned from 2103rd AWGp;
Reassigned to 2103rd AWGp
16 Sep 51 - 20 Apr 52

2101st Air Weather Group: 1 Oct 48 - Inactivated 24 Oct 50;
Reactivated 1 Aug 51 - 20 Apr 52

2nd Wea Sqd: Reactivated 5 Sep 51 - 20 Apr 52

9th Wea Sqd: 1 Oct 48 - Assigned to 2059th AWWg 24 Oct 50;
Reassigned to 2101st AWGp 16 Sep 51 - 20 Apr 52

10th Wea Sqd: 1 Oct 48 - Assigned to 2059th AWWg 24 Oct 50;
Reassigned to 2101st AWGp 16 Sep 51 - 20 Apr 52

26th Wea Sqd: 1 Oct 48 - Assigned to 2059th AWWg 24 Oct 50;
Reassigned to 2101st AWGp 16 Sep 51 - 20 Apr 52

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CHRONOLOGY OF FORMER 2059th AIR WEATHER WING AND ITS ANTECEDENTS (Cont'd)

2059th AIR WEATHER WING (Cont'd)

2102nd Air Weather Group: 1 Oct 48 - Inactivated 24 Oct 50;
Reactivated 1 Aug 51 - 20 Apr 52

1st Wea Sqd: Activated 20 May 49 - Assigned to 2059th AWWg 24 Oct 50;
Reassigned to 2102nd AWGp
1 Aug 51 - 20 Apr 52

3rd Wea Sqd: Activated 5 Sep 51 - 20 Apr 52

16th Wea Sqd: 1 Oct 48 - 20 May 49 - Reassigned to 2103rd AWGp 20 May 49

25th Wea Sqd: 1 Oct 48 - Assigned to 2059th AWWg 24 Oct 50;
Reassigned to 2102nd AWGp 16 Sep 51 - 20 Apr 52

2103rd Air Weather Group: 1 Oct 48 - Inactivated 24 Oct 50;
Reactivated 1 Aug 51 - 20 Apr 52

4th Wea Sqd: Reactivated 5 Sep 51 - 20 Apr 52

12th Wea Sqd: 1 Oct 48 - Assigned to 2059th AWWg 24 Oct 50;
Reassigned to 2103rd AWGp 16 Sep 51 - 20 Apr 52

16th Wea Sqd: 20 May 49 - Assigned to 2059th AWWg 24 Oct 50;
Reassigned to 2103rd AWGp 16 Sep 51 - 20 Apr 52

19th Wea Sqd: 1 Oct 48 - Assigned to 2059th AWWg 24 Oct 50;
Reassigned to 2103rd AWGp 16 Sep 51 - 20 Apr 52

24th Wea Sqd: 1 Oct 48 - Assigned to 2059th AWWg 24 Oct 50;
Reassigned to 2103rd AWGp 16 Sep 51 - 20 Apr 52

2104th Air Weather Group: 1 Oct 48 - Inactivated 24 Oct 50;
Reactivated 1 Mar 52
Inactivated 20 Apr 52

CHRONOLOGY OF FORMER INDEPENDENT RECONNAISSANCE GROUPS AND SQUADRONS

1st AIR WEATHER GROUP (PROVISIONAL): Activated 13 Jul 46 - Inactivated 17 Oct 46

53rd Recon Sqd (VLR) Weather: 13 Jul 46 - 17 Oct 46

54th Recon Sqd (VLR) Weather: 19 Jul 46 - 17 Oct 46

55th Recon Sqd (VLR) Weather: 19 Jul 46 - 17 Oct 46

59th Recon Sqd (VLR) Weather: 19 Jul 46 - 17 Oct 46

308th RECONNAISSANCE GROUP (WEATHER): Activated 17 Oct 46 - Inactivated 5 Jan 51

53rd Recon Sqd (VLR) Weather: 17 Oct 46 - 15 Oct 47

54th Recon Sqd (VLR) Weather: 17 Oct 46 - 15 Oct 47

55th Recon Sqd (VLR) Weather: 17 Oct 46 - 15 Oct 47

59th Recon Sqd (VLR) Weather: 17 Oct 46 - 15 Oct 47

373rd Recon Sqd (VLR) Weather: Replaced 53rd Recon Sqd (VLR) Weather;
Assigned to 8th Wea Gp 16 Oct 47

514th Recon Sqd (VLR) Weather: Replaced 54th Recon Sqd (VLR) Weather;
Assigned to 43rd Wea Wg 16 Oct 47

374th Recon Sqd (VLR) Weather: Replaced 55th Recon Sqd (VLR) Weather;
Assigned to 308th Recon Gp (Weather);
Inactivated 19 Feb 51

375th Recon Sqd (VLR) Weather: Replaced 59th Recon Sqd (VLR) Weather;
Assigned to 7th Wea Gp 16 Oct 47

512th Recon Sqd (VLR) Weather: Reactivated 13 Feb 49;
Assigned to 308th Recon Gp (Weather);
Reassigned to 2143rd AWWg Jan 50

513th Recon Sqd (VLR) Weather: Reactivated 10 Aug 49;
Assigned to 2143rd AWWg 19 Feb 51

1st WEATHER RECONNAISSANCE SQUADRON (SPECIAL): Activated 1 Jun 48 - 1 Oct 48

Redesignated 2078th AIR WEATHER RECONNAISSANCE SQUADRON (SPECIAL), 1 Oct 48 -
Inactivated 20 Mar 50;
Personnel transferred
to 513th Recon Sqd (VLR)
Weather

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CHRONOLOGY OF PRESENT 9th WEATHER RECONNAISSANCE GROUP

9th WEATHER RECONNAISSANCE GROUP: Activated 9 Jul 61 -

56th WRS: 9 Jul 61 -

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CHRONOLOGY OF PRESENT 53rd WEATHER RECONNAISSANCE SQUADRON
AND ITS ANTECEDENTS

3rd RECONNAISSANCE SQUADRON, AIR ROUTE, MEDIUM: Activated 31 Aug 44 - 15 Feb 45
Redesignated 3rd RECONNAISSANCE SQUADRON, WEATHER, HEAVY, 15 Feb 45 - 19 Jun 45
Redesignated 53rd RECONNAISSANCE SQUADRON (LR) WEATHER, 20 Jun 45 - 13 Mar 46
Redesignated 53rd RECONNAISSANCE SQUADRON (VLR) WEATHER, 13 Mar 46 - 15 Oct 47
Redesignated 373rd RECONNAISSANCE SQUADRON (VLR) WEATHER, 16 Oct 47 - Assigned to
8th Wea Gp;
Inactivated
20 Feb 51

53rd STRATEGIC RECONNAISSANCE SQUADRON (MEDIUM) WEATHER: Activated 20 Feb 51
Redesignated 53rd WEATHER RECONNAISSANCE SQUADRON, 15 Feb 54 - Assigned to
2nd Wea Wg
15 Feb 54
Inactivated
18 Mar 60

CHRONOLOGY OF PRESENT 55th WEATHER RECONNAISSANCE SQUADRON
AND ITS ANTECEDENTS

655th BOMBARDMENT SQUADRON (HEAVY): Activated 21 Aug 44 - 15 Jun 45

Redesignated 55th RECONNAISSANCE SQUADRON (LR) WEATHER, 16 Jun 45 - 19 Nov 45

Redesignated 55th RECONNAISSANCE SQUADRON (VLR) WEATHER, 19 Nov 45; Became paper organization 19 Jan 46 - 6 Aug 46; Assigned to 308th Recon Gp (Wea) 17 Oct 46 - 15 Oct 47

Redesignated 374th RECONNAISSANCE SQUADRON (VLR) WEATHER, 16 Oct 47 - Assigned to 308th Recon Gp (Wea); Inactivated 19 Feb 51

55th STRATEGIC RECONNAISSANCE SQUADRON (MEDIUM) WEATHER: Activated 20 Feb 51 - 15 Feb 54

Redesignated 55th WEATHER RECONNAISSANCE SQUADRON, 15 Feb 54 - Assigned to 9th Wea Gp 15 Feb 54

30 June 1961

FORMER INDEPENDENT BASE UNIT

72nd AAFBU (SPECIAL PROJECT UNIT DETACHMENT): Activated 1 Oct 45 - Inactivated
21 Apr 47



N. L. PETERSON
Brigadier General, USAF
Commander

JOHN C. HATTOX
Lieutenant Colonel, USAF
Director of Administrative Services

DISTRIBUTION (Cont'd):

Hq AWS.	45
Wing and Group Hq	5
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Except 2150 Air wea Sq.	10
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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
151 Patton Ave, Rm 120
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 "Susana A. Tarbell", is positioned above the typed name.

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