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CHANGE

AWSP O-17/2A

AWS PAMPHLET
NO. O-17/2A

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

TECHNICAL PUBLICATIONS AND DOCUMENTS OF AIR CORPS
AND AAF FIELD WEATHER ACTIVITIES

AWSP O-17/2A, September 1960, is changed as follows:

1. The changes shown in Attachment #1 should be made to the appropriate page. These changes may be cut and stripped in.
2. Insert the attached page 65.
3. After posting the changes, file this change in front of the pamphlet.



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

N. L. PETERSON
Brigadier General, USAF
Commander

- 2 Attachments
1. Insert Changes
2. New Page 65

DISTRIBUTION
Hq AWS 60
Wings and Groups 5
 except 9 Wea R Gp. 2
Squadrons (minus 1211th) 2
 except 1210th Wea Sq 5
Forecasting Detachments. 1
Special

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Available
Copy**

19 February 1962

UNIVERSITY OF CALIFORNIA AT LOS ANGELES

Page Item No.

- 35 Insert: 1a. "Report on Ballistic Forecast," 12 July 1944, 7 pp. (Typescr) plus illus. *

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

- 39 Insert: 4a. "Non-Frontal Cumulus Clouds on the North Atlantic Routes," prepared by AAF Weather Stations, 11 December 1944, 16 pp. (Typescr) * (Published as AWS TR 105-11, ATI-72849)

FIFTH AIR FORCE

- 54 Add: 3. "Climatology of Central East Coast of Asia and Adjacent Islands," by Weather Central, September 1944, 13 pp. *

NINTH AIR FORCE

- 54 Add: 2. "Climatic Guide for Riverstage Forecasting," by Weather Central, 1945? 4 pp. (Typescr) plus figs. *

U.S. ARMY STRATEGIC AIR FORCE (REAR)

- 57 Add: 4. Collected Papers, "Climatology and Climatic Statistics," by Director of Weather Services. * Contents: (Typescript)
- "Weather Conditions in Relation to High Level Bombardment Operations From Russian Bases (Nov thru Mar)," August 1944, 2 pp.
- "Operational Factors, Eastern Command Bases," 25 June 1944, 4 pp.
- "Weather in Southwestern Russia as Affecting Air Operations," 20 June 1944, 8 pp. plus manuscript figs.
- "Brief Climatic Notes on European Russia," 2 pp.
- "Icing on the Flight Route Berlin-Königsberg-Moscow," 1 p.
- "Meteorological Conditions in the Moscow District," 1942, 10 pp.
- "Meteorological Conditions in the Leningrad District," 1942, 11 pp.
- "Meteorological Conditions in North-West Russia, Kola Peninsula and Karelia," October 1942, 12 pp.
- "Meteorological Conditions in Moscow District (based on The Climate of Petrovsko-Rasumovskoie)," by I. A. Zdanovsky, 5 pp.
- "Meteorological Conditions in the South East of European Russia," 8 pp. plus illus.

Attachment 1

AIR WEATHER SERVICE BIBLIOGRAPHY

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

Compiled by

ROSA E. HAY



September 1960

FOR OFFICIAL USE ONLY

UNITED STATES AIR FORCE

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AWS Bibliography 17/2

Headquarters
AIR WEATHER SERVICE (MATS)
United States Air Force
Scott AFB, Ill., September 1960

FOREWORD

1. Purpose. This Bibliography is issued to inform Air Weather Service and other US military activities of the technical documents which were prepared by the various field weather-service activities of the Air Corps 1937-41 and of the Army Air Forces during 1941-45. Although many of these documents are now only of historical or intelligence interest, some of them have been widely disseminated and are still occasionally referenced as of technical value. A chronology of the AC-AAF weather organizations is included to facilitate identification of documents and indicate their applicability.

2. Contents. The listings herein are mainly of those documents held in Technical Files of Headquarters Air Weather Service. A few items listed are not in these files but known to have been issued. Undoubtedly a considerable number of the wartime documents have been lost. Many climatological tabulations or descriptions have been omitted when their contents were copied from generally available sources. Local-area and terminal-forecast studies prepared as part of the program required by Hq AAF are omitted as they are all listed in AWS Bibliography 13. Documents prepared by AAF weather officers assigned to non-weather organizations and Commands are included in a separate section.

3. Availability of Documents Listed. The documents are not available from stock, and the issuing organizations, if they still exist, do not as a rule even maintain any files of such old documents. Some AWS detachments have a few of them still on file, also the US Weather Bureau library and some university meteorology departments. Items available from ASTIA (or OTS, Dept. of Commerce) are identified by an ATI or AD number. Items followed by an asterisk are in the files of Headquarters Air Weather Service.

APPROVED:



ROBERT D. FLETCHER
Director, Scientific Services

DISTRIBUTION: X

Wg..... 5
Independent Gp... 5
Sqd..... 2
Forecasting Dets. 1
Special..... 99
Hq AWS..... 42

INDEX TO ORGANIZATIONS WHOSE DOCUMENTS ARE LISTED
(See "Chronology of Weather Region," pp. 43-52)

Section I: Regional Weather Services:	Page
1st Provisional Weather Group (1944-45)	5
1st Weather Region (1937-1945).	1
2nd Weather Region (1937-1945).	1
3rd Weather Region (1937-1945).	2
4th Weather Region (1940-1945).	2
6th Weather Region (1940-1945).	2-4
6th Weather Squadron (1941-1944).	4
7th Weather Region (1941-1945).	5
8th Weather Region (1940-1945).	5-6
8th Weather Squadron (1941-1945).	7
9th Weather Region (1942-1945).	7-8
9th Weather Squadron (1942-1945).	8
10th Weather Region (1942-1945).	9-11
10th Weather Squadron (1942-1945).	11
11th Weather Region (1942-1945).	11-13
11th Weather Squadron (1942-1945). , ,	13
12th Weather Region (1942-1945).	13-14
15th Weather Region (1942-1945).	14-15
16th Weather Region (1942-1945).	15-16
16th Weather Squadron (1942-1945).	16a
17th Weather Region (1942-1944).	17
17th Weather Squadron (1942-1944).	17
18th Weather Region (1942-1945).	17
19th Weather Region (1942-1945).	18-19

Index (Cont'd)

Section I (Cont'd):

	Page
20th Weather Region (1943)	19
21st Weather Region (1943-1945)	19
21st Weather Squadron (1943-1945)	19-21
22nd Weather Region (1943-1945)	22-23
23rd Weather Region (1943-1945)	23
24th Weather Region (1943-1945)	23
25th Weather Region (1943-1945)	24
26th Weather Region (1943-1945)	24
30th Weather Recon Squadron (1943-1944)	9
AAF Weather Wing (1943-1945)	25-34
AAF Research Weather Stations (1944-1946)	35-42
Chronology of Air Corps and Army Air Force Weather Regional Organizations (1937-1945)	43-52

Section II: Other Commands:

Second Air Force	53
Third Air Force	53
Fourth Air Force	53
Fifth Air Force	54
Eighth Air Force	54
Ninth Air Force	54
Tenth Air Force	54-55
Twelfth Air Force	55
Thirteenth Air Force	55
Twentieth Air Force	55

Section II (Cont'd):	Page
1st Weather Recon Sqd, Air Route Medium.	56
21st Bomber Command.	56
AAF 21st Wing.	57
53rd Recon Squadron (LR)	56
67th Fighter Wing.	54
68th Recon Group	56
73rd Bombardment Wing.	56
90th Photographic Recon Wing	55
311th Photo Wing, Mapping and Charting.	56
313th Bombardment Wing.	56
USAAF Pacific Ocean Areas (AFPOA)	57
U.S. Army Strategic Air Force (Rear).	57
Far Eastern Air Force (FEAF).	57
U.S. Iceland Base Command	58
Air Service Command (Wright Field).	58
Army Air Forces Board (AAFTAC) (Florida).	58-59
Air Corps Garrison School	59
Air Corps Weather School (Patterson Field).	59
Air Corps Tactical School (Maxwell Field)	60
AAF Technical Training Command, Technical School (Chanute Field and (Grand Rapids).	60-61
AAF Technical Training Command, Air Intelligence School (Harrisburg, Pa).	62
AAF Barrage Balloon School (Camp Tyson)	62
AAF Training Command, Training Intelligence Service (Chanute Field)	62
Air Training Command, Navigation School (Hondo, Texas).	62

Section II (Cont'd)

Page

Air Training Command, AAF Instructors' School (Navigation) (Selman Field).	62
Air Training Command, AF Advanced Flying School (Albuquerque)	63
AAF Training Command, Ground Training Group (Randolph Field).	63
AAF Instructors' School (Instrument Pilot) (Bryan Field).	63
Air Training Command, AAF School of Applied Tactics (Orlando)	63
AAF Training Command, 1596th AAFBU.	63
AAF Training Command, AAF Tropical Weather School (Howard Field). . .	64

LIST OF 1st WEATHER REGION PUBLICATIONS (1 Jul 1937-1 Oct 1945)

Item No.1st WEATHER REGION

1. "An Investigation of the Formation and Dissipation of Fog and Low Stratus in California," August 1939, 8 pp. (Typescr) plus charts. *
2. "Altimeters and Altimeter Setting," by Lt W. M. Snyder, Las Vegas Army Gunnery School, Nevada, 17 July 1942, 8 pp. (Typescr) *
3. "Pressure-Height Report by Radio-Altimeter Equipped Aircraft," 5 February 1945, 5 pp. (Mimeogr) charts. *
4. Lecture Notes:
 - "Uses of Mechanical Aids," by Lt O. B. Severson, n.d., 4 pp. (Mimeogr)*
 - "Analysis of Thermodynamic Diagrams," by Lt O. B. Severson, n.d., 6 pp. (Mimeogr) *
 - "Upper Air and Prognostic Maps," by Lt A. B. French, 14 August 1944, 11 pp. (Mimeogr) *
 - "Weather Briefing," by Lt J. F. X. McCarthy, n.d., 6 pp. (Mimeogr) *
5. "Seminar Lecture Notes on California Stratus Forecasting," by Robert D. Fletcher, 1944, 14 pp. (Mimeogr) *

LIST OF 2nd WEATHER REGION PUBLICATIONS (1 Jul 1937-1 Oct 1945)

Item No.2nd WEATHER REGION

1. "Icing," by E. G. Simenson, November 1939, 4 pp. (Mimeogr) *
2. "Notes, Station Weather Officer Conference, Second Weather Region, held at Patterson Field, Fairfield, Ohio, 15-16 May 1944," 30 pp. (Mimeogr)*
3. "A Simplification of the Method of Applying Rossby's Theory of Trajectories for Forecasting Upper-Air Charts," prepared by 1/Lt H. S. Hall, et al., 1944, 21 pp. (Typescr) *
4. "Preliminary Report on Gust Velocity Formula," by M/Sgt H. J. Jordan, 1944, 3 pp. (Typescr) plus chart.* (See later report in AAF Weather Service Bulletin, Vol. 3, No. 7, Jul/Aug 1945, pp. 22-23. (ATI-109007)
5. "Micro-Climatological Summary Data Taken from May 1944 through August 1945," by R. H. Kaiser and Lt G. H. Jung, Det 0206, 74th AAFBU, 95 pp. (Typescr) plus 173 graphs. *

LIST OF 3rd WEATHER REGION PUBLICATIONS (1 Jul 1937- Oct 1945)

Item No.

3rd WEATHER REGION

1. "Practical Weather Conclusions for Pilots," prepared by Base Weather Station, Goodfellow Field, Texas, 10 July 1942, 23 pp. (Multilith) *
2. "A Comparative Evaluation of Altimeter-Correction Charts and Constant-Level Charts," by Capt A. Armstrong, Jr., 1944, 12 pp. (Typescr) *
3. "Stability-Tendency and Mammato-Cumulus Clouds," by C. J. Hlad. (Published in Bull. Amer. Met. Soc., Vol. 25, No. 8, October 1944, pp. 327-331.) *
4. "A Contribution to the Forecasting of Stratus at Randolph Field, Texas," by 1/Lt W. C. Zahn, 30 November 1944, 1st Ed., 13 pp. (Typescr) plus tables and charts. * Revised edition: "Forecasting Gulf Coast Stratus," June 1945.
5. "Report on General Weather Characteristics of Route from Brownsville, Texas, to Albrook, Canal Zone," 1945, 8 pp. (Mimeogr) *

LIST OF 4th WEATHER REGION PUBLICATIONS (16 Dec 1940-1 Oct 1945)

Item No.

4th WEATHER REGION

1. "Notes on Forecasting Value of Upper-Level Charts," circa 1944, 13 pp. (Multilith) *
2. "Equivalent-Potential Temperature Chart," prepared by Base Weather Station, Pinecastle Army Air Field, Florida, December 1944, 6 pp. (Typescr) plus charts. *

LIST OF 6th WEATHER REGION PUBLICATIONS (11 Dec 1940-Jul 1945)

Item No.

6th WEATHER REGION

1. "Report and Discussion of Weather Conditions Along the West Coast of Tropical South America," by Capt F. B. Wood, A.C. Wea. Det., Panama, 12 April 1940, 13 pp. (Typescr) *
2. "Winds Aloft in Tropical Forecasting," by T/Sgt K. L. Jones and 2/Lt R. G. Williamson, circa 1941, 6 pp. (Typescr) *

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

3. "The Weather and Climate of Central America and South America," by Major F. B. Wood, 15 April 1941, 75 pp. (Mimeogr) plus figs. *
4. "Meteorological Notes of the Panama Canal Zone," [Based on notes and observations made by J. T. Scholtz and R. S. Bush, PAA, 1937-1940], circa 1942, 10 pp. (Mimeogr) *
5. "Use of Raobs in the Forecasting of Tropical Weather," by M/Sgt K. C. Elder, and 2/Lt C. D. Bonnot, 1943, 9 pp. (Typescr) *
6. "Use of the Hodograph at Low Latitude," by Lt G. Leies, 1943, 7 pp. (Typescr) *
7. "Tropical Forecasting Methods," by 1/Lt J. C. Freeman, Jr., 15 March 1943, 13 pp. (Typescr) *
8. "The Use of Surface Reports in Tropical Forecasting," by Lt E. A. Doty and T/Sgt Hatch, 15 March 1943, 11 pp. (Typescr) *
9. "Wind and Weather in the Galapagos Area," by 1/Lt B. E. Robertson, December 1943, 25 pp. (Mimeogr) plus Wind Roses (Ditto) *
10. "Structure of the Equatorial Frontal Zone of the Eastern Pacific Ocean Preliminary Notes," by Capt Leo Alpert, December 1943, 34 pp. plus charts. (Mimeogr) *
11. "Panama's Airplanes - A Weather Guide for Pilots," 1944, 14 pp. (Lithopr) plus maps. *
12. "Research Thesis on Weather Conditions in the Tropical Regions of the Eastern Pacific," by Verl D. Dotson, circa 1944, 11 pp. (Typescr) *
13. "Study of Thermo Discontinuities in Water Temperatures Along the North Coast of South America and its Apparent Affect on Trade and Doldrum Weather," circa 1944, 6 pp. (Typescr) *
14. "Notes on Easterly Troughs in General With Reference to the Panama Region," by 1/Lt W. Postelnek, 16 August 1944, 6 pp. (Mimeogr) *
15. "Pilot Interviews - A Composite Pirep of 7500 Trips Through the Equatorial Front," November 1944, 104 pp. (Lithopr) * (Redesignated as AWS TR 105-52, ATI-65123)

Item No.

6th WEATHER REGION (Cont'd)

16. "Local Forecasting Studies for Stations in the 6th Weather Region,"
June 1945, 168 pp. (Mimeogr) plus maps.

Contents:

- Sect 1. Albrook Field, Canal Zone. (STI-ATI-206097)
- Sect 2. San Jose, Guatemala. (AD-106746)
- Sect 3. Guatemala City, Guatemala. (AD-62384)
- Sect 4. Managua, Nicaragua. (AD-63763)
- Sect 5. San Jose, Costa Rica. (AD-26385)
- Sect 6. Parrita, Costa Rica. (AD-63765)
- Sect 7. David, Republic of Panama. (AD-79670)
- Sect 8. Rio Hato, Republic of Panama. (AD-103943)
- Sect 9. France Field, Canal Zone. (AD-87366)
- Sect 10. Howard Field, Canal Zone. (AD-96874)
- Sect 11. Galapagos Islands, Ecuador. (AD-63762)
- Sect 12. Salinas, Ecuador. (AD-106697)
- Sect 13. Talara, Peru. (AD-87453)
- Sect 14. Aguadulce, Republic of Panama. (AD-217383)
- Sect 15. Chame, Republic of Panama. (AD-73320)
- Sect 16. Chorrera, Republic of Panama. (AD-61764)
- Sect 17. Pocrí, Republic of Panama. (AD-103942)
- Sect 18. La Joya, Republic of Panama. (AD-103944)
- Sect 19. Jaque, Republic of Panama. (AD-103945)
- Sect 20. Rey Island, Republic of Panama. (AD-103920)

6th WEATHER SQUADRON

17. "Radar - A Meteorological Instrument," prepared by Radar Weather
Section, circa 1944, 50 pp. (Typescr) incl. photos and radar-
scope photos. *
18. "Radar Storm Detection - Panama," 1944. (Redesignated as
AWS TR 105-57, ATI-65133) *
19. "Rain-Cloud Weather Reports Associated with the Frontal Passage
of 17-20 December 1943 in Panama." 51 pp. (Ditto)
(Redesignated as AWS TR 105-56, ATI-65155) *

LIST OF 7th WEATHER REGION PUBLICATIONS (1 Jan 1941-1 Dec 1944)

Item No.7th WEATHER REGION

1. "Weather Conditions Over the Central North Pacific Ocean During the Attack on Dutch Harbor and Midway Island, June 1 - June 8, 1942," by 1/Lt J. M. Feeley, Jr., 8 charts. (Lithopr) *

LIST OF 1st PROVISIONAL WEATHER GROUP PUBLICATIONS
(2 Sept 1944-10 Feb 1945)Item No.1st PROVISIONAL WEATHER GROUP

1. "Isobaric Contour Extrapolation Scale," by W. J. Plumley and J. M. Bookston, 20 September 1944, 3 pp. (Mimeogr) plus scale. *

LIST OF 8th WEATHER REGION PUBLICATIONS (15 Aug 1940-1 Jul 1945)

Item No.8th WEATHER REGION

1. "A Summary on the Forecasting Problems of the North Atlantic Region," circa 1943, 58 pp. (Mimeogr) *
2. "Mathematical Representation of Diurnal $\sqrt{\text{Pressure}}$ Variation," by Lt H. I. Rackoff, Presque Isle Army Air Base, April 1943, pp. 1-8 (Multilith) pp. 9-20 (Handwritten) *
3. "Use of a 'Zonal Index' to Forecast Flight Times," 10 July 1943, 3 pp. (Mimeogr) *
4. "Flight Through a Tropical Hurricane," by Colonel J. B. Duckworth, issued by Hq AAF Instructors' School (Instrument Pilot), 19 August 1943, reprinted by 8th Weather Region, 22 October 1943, 2 pp. (Mimeogr) charts; "Flight Through a Tropical Hurricane," by 1/Lt W. H. Jones-Burdick, issued by Hq AAF Instructors' School (Instrument Pilot) 19 August 1943, reprinted by 8th Weather Region, 22 October 1943, 3 pp. (Mimeogr) *
5. "Use of Radio Altimeter Observations," 29 October 1943, 4 pp. (Mimeogr) plus chart. *
6. "Special Instructions for Aircraft Forecasters and Navigators," 29 October 1943, 2 pp. (Mimeogr) *

Item No.

8th WEATHER REGION (Cont'd)

7. "Notes on Weather Reconnaissance - Pressure Observations and Calculations," by Lt. R. B. Doremus, [late 1943?] 4 pp. (Mimeogr) *
8. "Seasonal Change of 10,000-Foot Winds Over the Bermuda-Azores Route," 13 June 1944, 3 pp. (Mimeogr) *
9. "Icing on the North Atlantic Routes," by 2/Lt J. B. Blake, 28 August 1944, 28 pp. (Mimeogr) *
10. "Cloud Conditions Over the North Atlantic, Jan-Mar 1944." (Redesignated AWS TR 105-8, September 1944, ATI-65138)
11. "Sunlines and Radio Altimeter Drifts," by Lt. H. W. Mueller, 20 October 1944, 3 pp. (Mimeogr). (ATI-112867) *
12. "Cloud Atlas," 21 November 1944, 1 p. (Mimeogr) plus 20 photos and maps. (ATI-122111) *
13. "Determining Drift with Radio and Pressure Altimeters," 22 November 1944, 9 pp. (Mimeogr). (ATI-112866) *
14. "Turbulence in a Stable Lapse Rate," by 1/Lt E. E. Baughman, Jr., 1944, 4 pp. (Mimeogr) plus map. * (Published in Bull. Amer. Met. Soc., Vol. 27, No. 8, October 1946, pp. 459-461.)
15. "Approximate Wind Components at about 18,000 Feet Above Route Gander, Newfoundland, to London, England, at 0400 GMT," 1944, 11 pp. (Mimeogr) *
16. "Over the Seas," [forecasting flight time by zonal index], by Major L. T. Irish. (Published in AAF Weather Service Bulletin, Vol. 2, No. 1, 1944, pp. 8-9) (ATI-107717) *
17. "Flying the North Atlantic," by R. H. Doremus and H. W. Mueller. (Published in AAF Weather Service Bulletin, Vol. 2, No. 2, 1944, pp. 19-20.) (ATI-107718)
18. "Wind Roses for Narsarsuaq, Greenland, Based Upon Rawin Observations 1944," 1 January 1945, 164 pp. (Ditto) *
19. "Non-Frontal Cumulus Clouds on the North Atlantic Routes." Published as AAF Weather Division Report, January 1945. (Redesignated as AWS TR 105-11, ATI-72849) *
20. "Weather Summary for the North Atlantic, June 1945," 3 August 1945, 4 pp. (Mimeogr) *
21. "Atlas," September 1945, 64 pp. (Mimeogr) plus maps. *

Item No.8th WEATHER REGION (Cont'd)8th WEATHER SQUADRON

- 22. "Cloud Forms Over the North Atlantic and North Pacific in Winter," circa 1942, 7 pp. (Mimeogr) *
- 23. "Arctic Weather Observing," 1944, 41 pp. incl. figs. (Multilith) *
- 24. "Analysis of Sferics Reports - Their Significance and Usefulness in Weather Forecasting and Weather Map Analysis," Station Memo No. 55-4, 11 September 1944, 12 pp. (Photostat) *

LIST OF 9th WEATHER REGION PUBLICATIONS (27 Jul 1942-1 Jul 1945)

Item No.9th WEATHER REGION

- 1. "Forecasting in Tropical Regions," 17 January 1943, 1 p. (Typescr) *
- 2. "Equatorial or Intertropical Front Over Northeastern South America," by T/Sgt B. Dworkin, 20 January 1943, 1 p. (Typescr) *
- 3. "Forecasting in Tropical Regions - Route Southern Florida to Puerto Rico to Trinidad," by T/Sgt B. Dworkin, 20 January 1943, 1 p. (Typescr) *
- 4. "Log for Hurricane of August 21, 1943, that Passed Near ATC Weather Station, AAB, Coolidge Field, Antigua, B.W.I.," 1943, 5 pp. (Mimeogr) plus charts. *
- 5. "General Weather Conditions for the Route: Port of Spain to Para," Memo A-1, 1944, 21 pp. (Mimeogr) *
- 6. "Report on Forecasting Problems in Brazil During the Rainy Season 1944," Memo A-5, by Capt E. B. Buxton, 1944, 6 pp. (Mimeogr) *
- 7. "Wind Belts and Frequency of Calms in the Tropical Atlantic," Memo 23, 26 January 1944, 2 pp. (Mimeogr) plus charts. *
- 8. "Hurricane Notes," Memo T-4, 14 April 1944, 6 pp. (Mimeogr) *
- 9. "Hurricane Forecasting in the Gulf of Mexico and Caribbean," Memo T-5, by 2/Lt D. N. Mills, 1944, 11 pp. (Mimeogr) *
- 10. "Notes on Waves in the Easterlies," Memo T-7, by Capt C. D. Bonnot, 31 May 1944, 7 pp. (Mimeogr) plus figs. *

Item No.

9th WEATHER REGION (Cont'd)

11. "Notes on Polar Fronts in the Tropics," Memo T-9, 1 June 1944, 11 pp. (Mimeogr) plus figs. *
12. "South American Weather Circulation," circa 1944, 33 pp. (Mimeogr) *
13. "Frontal Analysis in the Vicinity of Cuba," 1944, 5 pp. (Mimeogr) plus figs. *
14. "Operational Requirements for Combined Radiosonde-Rawin Section Site Locations," by Lt Frey, 15 March 1945, 4 pp. (Mimeogr) *
15. "Forecasting the Formation and Movement of Tropical Cyclones in the Caribbean Sea and Western Atlantic Ocean," by Major I. I. Porush, March 1945, 33 pp. (Multilith) * Revised and reprinted by Hq AAF Weather Division as Report No. 962, May 1945. (Redesignated as AWS TR 105-54, ATI-65139)
16. "An Application of Kinematic Analysis to Tropical Weather," by CWO Earl C. Kindle, 2 May 1945, 42 pp. (Mimeogr) * (Redesignated as AWS TR 105-51, ATI-65134)
17. "Representative (3000-Ft) Stream-Flow Chart," by Lt M. F. Stratton, attachment to RCO Letter No. 105-37, 21 August 1945, 2 pp. (Mimeogr)*
18. "Forecasters Information File," (incl. all the Tech Memos listed above) February 1946.

9th WEATHER SQUADRON

19. "Data on Instrument Weather Conditions at Beane Field, St. Lucia, B.W.I., 1942," 10 June 1943. (Lithopr) *
20. "Report on Hurricane Reconnaissance Operations During 1944," 6 pp. (Mimeogr) *
21. "Hurricane Reconnaissance Mission, 8 Sept 1944," by 1/Lt O. C. Spencer, 10 September 1944, 3 pp. (Typescr) *
22. "Waller Field Weather Briefing," 1944, 47 pp. incl. photos. (Mimeogr)*
23. "Report of an Atlantic Storm During the Month of March 1945," prepared by Capt G. Hatzerbuhler, 5 pp. (Ditto) plus charts. *

Item No.9th WEATHER REGION (Cont'd)30th WEATHER RECONNAISSANCE SQUADRON (1943-1944)

24. "In-Flight Analysis of Weather Conditions: Trinidad to Belem," by Lt. C. D. Brewster, April 1944, 3 pp. (Mimeogr) *
25. "Cloud Photographs of South America," April 1944. (Photos) *
26. "Weather Affecting Flight Between Trinidad, B.W.I., and Belem, Brazil, 1 Jan - 1 Apr 1944," by 2/Lt C. D. Brewster, 3 pp. (Mimeogr) *
27. "Flying the South Atlantic Weather," by 2/Lt R. S. Fisher, May 1944, 3 pp. (Mimeogr) *

LIST OF 10th WEATHER REGION PUBLICATIONS (24 Jun 1942-12 Oct 1945)

Item No.10th WEATHER REGION

1. "Weather Along the Coast of Burma and Lower Mandalay Valley During the Southwest Monsoon," circa 1942, 10 pp. (Mimeogr) plus figs. *
2. "General Flying Weather Over Certain Sections of China," record of a Talk by Major Dorins, 14 May 1943, 8 pp. (Typescr) *
3. "Nor'westers - A Study of the Pre-Monsoon Thunderstorms of Bengal," by Capt J. A. Hass, circa 1943, 18 pp. (Typescr) *
4. "Nor'westers of India," by Capt J. A. Hass, circa 1943, 3 pp. (Typescr)*
5. "Some Notes on Flying Weather in the Kunming Area," circa 1944, 2 pp. (Typescr) * (From a discussion by Major Wilcox.)
6. "Notes on Weather in East China," circa 1944, 2 pp. (Typescr) * (From a discussion by Major Wilcox and Lt MacDonald.)
7. "Notes on Weather in Chengtu Area," circa 1944, 1 p. (Typescr) * (From a discussion by Major Wilcox and Lt MacDonald.)
8. "Climatology of Kurmitola, Bengal, India," by Capt J. A. Hass, circa 1944, 5 pp. (Typescr) *
9. "Theoretical Discussion on Upper-Air and Synoptic Situation in China," by Major R. R. Milsap, 1944, 20 pp. (Typescr) plus charts. *

Item No.

10th WEATHER REGION (Cont'd)

10. "Weather Conditions From Kharagpur to the Andaman Islands," 1944, 4 pp. (Typescr) *
11. "Weather at Asansol During Months of August, September and October," prepared by Weather Research Section, 26 May 1944, 3 pp. (Typescr) *
12. "Weather Conditions From Kharagpur to Jorhat During the Month of June," prepared by Weather Research Section, 22 May 1944, 4 pp. (Typescr)*
13. "Climatology of Kharagpur and China Bay Areas," prepared by Lt D. E. Martin, 16 August 1944, 13 pp. (Typescr) *
14. "Climatology of The Bay of Bengal, Chengtu, China Bay, The 'Hump', Kharagpur, Saipan, and Japanese Occupied Territory," prepared by Tenth Weather Research Section, October 1944, 46 pp. (Typescr) *
15. "Forecasting Fog in the Brahmaputra Valley," by Lt D. E. Martin and M/Sgt P. W. Bauer, October 1944, 28 pp. (Mimeogr) * (Redesignated as AWS TR 105-73, March 1951, ATI-98238)
16. "Climatology of Chengtu," prepared by Tenth Weather Research Section, December 1944, 9 pp. (Mimeogr) *
17. "Report on the Indices for Forecasting the 'Nor'Wester'," by M/Sgt C. W. Gallagher and T/Sgt H. N. Sage, 15 February 1945, 2 pp. (Typescr) *
18. "Climate of Siam, Indo-China, Malaya, and Sumatra," prepared by Weather Central, March 1945, 81 pp. (Mimeogr) *
19. "The Climate of Central and Southern China," by Tenth Weather Research Dept., April 1945, 31 pp. (Mimeogr) *
20. "Climate of Central and Northern China," prepared by Weather Central Research Section, June 1945, 22 pp. (Typescr) incl. figs. *
21. "Weather of the South China Area With Tables and Climatological Maps," prepared by Weather Central Research Section, June 1945, 59 pp. incl. charts, graphs, tables. *
22. "The Utilization of 500-Millibar Charts in Forecasting for the China Area," by Capt R. B. Orton, 10 June 1945, 6 pp. (Mimeogr) plus maps.* (Redesignated as AWS TR 105-59A, ATI-65144)
23. "Use of the Psuedo-Adiabatic Chart for Forecasting Convective Phenomena in China," by Lt P. C. Kangieser, June 1945, 6 pp. (Typescr) plus figs. *

Item No.10th WEATHER REGION (Cont'd)

24. "Climate and Weather of the Siang-Kan Area of South China, July through October," prepared by Weather Central Research Section, July 1945, 15 pp. (Typescr) plus map. *
25. "The Paths and Characteristics of Migratory Anticyclones in Southeast Asia," by Capt R. B. Orton, Weather Central, 1 July 1945, 15 pp. (Mimeogr) plus maps. * (Redesignated as AWS TR 105-59B, ATI-83514)
26. "The Effect of Sea Conditions Upon Combined Operations," by Capt C. C. Bates, 21 July 1945, 10 pp. (Mimeogr) *
27. "A Discussion of Selected Tools Useful in Forecasting for the Assam Valley and The Hump," prepared by Weather Station No. 118, Jorhat, 1945, 8 pp. (Typescr) plus table, charts. *
28. "Hourly Summary of Weather Phenomena, January - June 1945," prepared by Weather Central Research Section, August 1945, 18 pp. (Mimeogr) *
29. "Frontology of North China," (Redesignated as AWS TR 105-67, Sept 1945 ATI-83513) *

10th WEATHER SQUADRON

30. "Geography and Topography, Tengyang, China," 1944, 6 pp. (Typescr) plus Wind Rose. *
31. "Study on Climate and Weather in Pairedoba, India," circa 1944, 5 pp. (Typescr) plus Wind Rose. *
32. "A Method for Determining the Monthly Percentage Frequencies of Surf Height from Climatological Data," by Capt C. C. Bates, 24 May 1945, 6 pp. (Typescr) *
33. "A Method for Determining the Monthly Percentage Frequencies of Conditions Suitable for Operating Small Vessels at Sea," by Capt C. C. Bates, 22 May 1945, 6 pp. (Typescr) *

LIST OF 11th WEATHER REGION PUBLICATIONS (22 May 1942-12 Oct 1945)

Item No.11th WEATHER REGION

1. "A Study of Local Weather Conditions in the Alaska Region," 1943, 54 pp. (Typescr) *
2. "Clouds of the Aleutian Islands," prepared by Weather Central, Alaska, September 1943, reprinted by Hq AAF as Wea. Div. Report No. 605, November 1943. (Redesignated as AWS TR 105-28, ATI-72475) *

Item No.

11th WEATHER REGION (Cont'd)

3. "Oceanography, First Quarterly Report, Oct, Nov, Dec 1943," by Joint AAF Navy Weather Center, Adak, Alaska, 20 pp. (Ditto) *
4. "Tactical Climatology of Japan," prepared by Weather Central, April 1944, 18 pp. (Lithopr) *
5. "Alaska Upper Air Circulation, Monthly Maps of Average Pressure and Temperature at 1.5, 3.0, 6.0, and 12.0 Km., at Alaska Radiosonde Stations (Weather Bureau, Army and Navy) 1942-1943," prepared by Weather Central, 1 June 1944 (Mimeogr) plus maps.*
6. "Local Weather Conditions in Alaska," 30 June 1944, 75 pp. (Typescr) *
7. "Alaskan Marine Data: Sea, Swell, and Sea Surface Temperature, November through April 1944," prepared by 2/Lt H. G. Venn and 1/Lt D. F. Leipper, 8 June 1944, 27 pp. (Ditto) *
8. "Oceanography, Second Quarterly Report, 1 Jan to 31 Mar 1944," prepared by Joint AAF Navy Weather Center, Adak, 11 pp. (Ditto) *
9. "Studies on Local Forecasting for Selected Alaskan and Aleutian Stations," prepared by Weather Central, 31 December 1944, 97 pp. (Mimeogr) *
10. "An Investigation in the Use of High Altitude Winds in Forecasting Weather in the Aleutians," by 1/Lt R. E. Parker 1945, 6 pp. (Typescr) incl. tables. * (Published in Bull. Amer. Met. Soc., Vol. 28, No. 1, January 1947, pp. 15-18.)
11. "Wind Roses," for Elmendorf Field; Naknek; Ft. Morrow; Ft. Randall; Ft. Glenn; North Shore; Adak; Ogluga; Amchitka; Kiska; Shemya; Alexai Point; Casco Cove, 10 January 1945 (Lithopr) *
12. "Report on Elmendorf Weather, Oct 1944 - Dec 1945," prepared by Weather Central, 38 pp. (Mimeogr) plus charts, figs. * (Redesignated as AWS TR 105-71, Jan 1946, ATI-93006)
13. "A Case Study of Icing in the Alaska-Aleutian Area, Oct 1943 - Apr 1944," by Weather Central, 10 February 1945, 307 pp. (Lithopr) *
14. "Wind Roses," for Annette; Yakutat; Kodiak; Woody Island; Dutch Harbor; St. Paul Island; Atka Island, prepared by Weather Central, 10 March 1945, 7 pp. (Lithopr) *
15. "Use of High Altitude Wind Data from Rawins in Forecasting Weather in the Aleutians," by V. J. Oliver and M. B. Oliver, March 1945, 5 pp. (Mimeogr) *
16. "Forecasting Summer Fog at Shemya," prepared by Weather Central, 1 June 1945, 54 pp. incl. charts, graphs. * (Redesignated as AWS TR 105-45, ATI-65145)

Item No.11th WEATHER REGION (Cont'd)

17. "The Climate, Weather Behavior, and Topography of Selected Alaskan and Aleutian Stations," prepared by Weather Central, 30 June 1945, 59 pp. (Mimeogr) plus maps. *
18. "Certain Aspects of Aircraft Icing in the Alaskan-Aleutian Area," by Capt O. N. Serbein, Jr., July 1945. (Published in Bull. Amer. Met. Soc., Vol. 26, No. 10, December 1945, pp. 419-425. *
19. "Unreliable Winds," (Winds aloft observations), by Lt A. Court. (Published in AAF Weather Service Bulletin, Vol. 3, No. 6, 1945, pp. 13-15.) *
20. "A Supplementary Report to 'A Case Study of Icing in the Alaska-Aleutia Area' (Oct 1943 - Apr 1944)," prepared by Weather Central, 12 Feb 1946, 6 pp. (Mimeogr) plus figs., tables. *
21. "Temperature and the Probability of Aircraft Icing in the Alaskan-Aleutian Area," by B. F. Taylor and D. N. Serbein. (Published in Bull. Amer. Met. Soc., Vol. 27, No. 10, December 1946, pp. 580-588.) *

11th WEATHER SQUADRON

22. "Zonal Circulation Index Applied to Extended Forecasting," by 1/Lt J. X. Jamrich, 1943, 13 pp. (Typescr) *
23. "A Climatic Study of Selected Aleutian and Southern Alaskan Stations," 1944.
24. "The Forecasting Significance of High-Level Winds in Sub-Arctic Regions," by V. J. Oliver. (Published in Bull. Amer. Met. Soc., Vol. 28, No. 1, January 1947, pp. 9-14.) *

LIST OF 12th WEATHER REGION PUBLICATIONS (24 Sept 1942-12 Oct 1945)

Item No.12th WEATHER REGION

1. "Monthly Average Rainfall in the Northern Appenines," 1944, 2 pp. (Mimeogr) *
2. "Winter Air Masses at Malta," by 2/Lt H. W. Riebel, et al., circa 1944, 5 pp. (Mimeogr) *
3. "Operational Weather Information," prepared by Climatology and Research Section, 25 April 1945, 5 pp. (Typescr) *
4. "Climate of North Italy - June to August," Report No. 10, May 1945, 9 pp. (Ditto) *

Item No.

12th WEATHER REGION (Cont'd)

5. "Climatic Report on Vienna, Linz, Salzburg, and Innsbruck, Austria, and Munich, Germany," Report No. 11, 11 May 1945, 19 pp. (Ditto) *
6. "Climatic Data for the Rome Area With Special Reference to Weather at Various Airfields," Report No. 13, 19 May 1945, 9 pp. (Ditto) *
7. "Climatic Data: Algiers to Marrakech for June, July and August," Report No. 14, 24 May 1945, 9 pp. (Ditto) *
8. "A Climatic Report of the Naples Area," Report No. 18, 1945, 17 pp. (Ditto) *
9. "Climate of Capodichino, Italy," Supplement No. 1 to Report No. 18, September 1945, 16 pp. (Ditto) *
10. "The Athens Area," Report No. 21, 1945, 10 pp. (Ditto) *
11. "Climate of the Vienna Area," Report No. 22, August 1945, 15 pp. (Ditto)*
12. "Climate of the PO Valley," Report No. 23, August 1945, 16 pp. (Ditto) *
13. "The Devil and a B25," Report No. 24, August 1945, 4 pp. (Ditto) *
14. "The Uses of Climatology in Forecasting," Report No. 28, October 1945, 5 pp. (Ditto) *
15. "Comparative Climatic Statistics for Selected Stations," Report No. 29, November 1945, 8 pp. (Ditto) *
16. "The Mechanism of Pressure Changes," Lecture by Jacob A. B. Bjerknes, 1945, 8 pp. (Mimeogr) *

LIST OF 15th WEATHER REGION PUBLICATIONS (14 Apr 1942-Sept 1945)

Item No.

15th WEATHER REGION

1. "Forecasting in Tropical Regions," by 1/Lt F.C.E. Oder, 21 February 1943, 4 pp. (Typescr) *
2. "Tropical Forecasting," by 2/Lt K. W. Smith, 11 March 1943, 2 pp. (Typescr) *
3. "Frontogenesis Along the Northeast Coast of Australia," 1943, 12 pp. (Typescr) *
4. "Forecasting of Tropical Weather in the South West Pacific Area," by 1/Lt R. G. Suggs, April 1943, 3 pp. (Typescr) plus charts. *

Item No.15th WEATHER REGION (Cont'd)

5. "Brief Climatological Report for Port Moresby; Dobodyra; Rabaul; Lae; Wewak, and Intervening Air Routes," 21 July 1943, 13 pp. (Typescr)*
6. "Clouds and Weather Over the Philippine Islands," August 1944, 14 pp. *
7. "Climatology of New Guinea in Relation to Physical Processes Within the Atmosphere," by Robert F. Clarke, circa 1945, 11 pp. (Typescr)*
8. "Forecasting the Motion of Tropical Cyclones," by Major R. L. Moore. (Published in Bull. Amer. Met. Soc., Vol. 27, No. 7, Sept 1946, pp. 410-415.)

LIST OF 16th WEATHER REGION PUBLICATIONS (1 Sept 1942-1 Jul 1945)

Item No.16th WEATHER REGION

1. "A Survey of Boise Weather," by Capt L. L. Kolb, September 1942, 26 pp. (Typescr) *
2. "Percentile Comparison of Operational Weather Conditions, May 1943-1944," 1 p. (Mimeogr) plus charts. *
3. "Percentile Comparison of Operational Weather Conditions, June 1943-1944," 1 p. (Mimeogr) plus charts. *
4. "Report on Uses of Upper-Air Charts," 1944, 6 pp. (Multilith) plus figs.*
5. "Studies on Local Forecasting as Submitted by Stations Within Sixteenth Weather Region," 1944, 73 pp. (Multilith) *
6. "Polar Study," September 1944, 41 pp. (Typescr) plus graphs. *
7. "Percentile Comparison of Operational Weather Conditions, Jan 1945," 1 p. (Mimeogr) plus charts. *
8. "Briefing Aids Along the Northwest Ferry Route for Jan 1945," 15 pp. (Mimeogr) *
9. "Briefing Aids Along the Northwest Ferry Route for Apr 1945," 15 pp. (Mimeogr) *
10. "Briefing Aids Along the Northwest Ferry Route for May 1945," 10 pp. (Mimeogr) *
11. "Briefing Aids Along the Northwest Ferry Route for Aug 1945," 9 pp. (Mimeogr) *

Item No.

16th WEATHER REGION (Cont'd)

- 12 "A Technique for Forecasting Air Mass Thunderstorms in Great Falls
 Vicinity," June 1945.
- 13. "Operational Manual for Forecasting Stations of the Sixteenth Weather
 Region," 1 September 1945, 67 pp. (Mimeogr) *
- 14. "Miscellaneous Contributions":
 Contents:
- 14a. "Use of Isallobaric Correlations in 16th Weather Region," by
 Lt J. B. Waller, Vol. 1, No. 1, March 1945, 10 pp. *
- 14b. "Conversion of Constant Pressure RAOB Data for Use on Constant
 Level Charts," by Sgt R. W. Sonnenschein, Vol. 1, No. 2, March
 1945, 3 pp. *
- 14c. "Use of Constant Level Charts Above the 20,000 ft Level in 16th
 Weather Region," by Lt J. B. Waller, Vol. 1, No. 2, March 1945,
 9 pp. *
- 14d. "Hodogauge," by S/Sgt R. E. Blackstone, Vol. 1, No. 4, March 1945,
 2 pp. *
- 14e. "Drawing of Upper-Level Isallobaric Fields," by Lt J. B. Waller,
 Vol. 1, No. 5, March 1945, 2 pp. *
- 14f. "Use of Trough Formula Nomogram," by Capt J. H. Nuber, Vol. 1,
 No. 6, May 1945, 2 pp. *
- 14g. "Weather Over the Edmonton to Whitehorse Section of the Northwest
 Ferrying Route," by M/Sgt B. C. Hoffman, Vol. 1, No. 8, May 1945,
 7 pp. *
- 14h. "Geostrophic Wind Scale for Constant Pressure Charts," by Lt J. B.
 Waller, May 1945, 1 p. *
- 14i. "Height Evaluator," by Lt J. B. Waller, Vol. 1, No. 12, July 1945,
 4 pp. *
- 14j. "Some Aspects of Synoptic Meteorology Along the Nome-Fairbanks
 Route and Topography of the Alaskan Mainland," by Capt J. X.
 Jamrich, Vol. 1, No. 13, August 1945, 15 pp. *

Item No.16th WEATHER REGION (Cont'd)

15. "Lee of the Mountain Trough," circa 1945, 57 pp. (Typescr) incl. figs.*
(Contained in AWS TR 105-47, ATI-65142.)
16. "Upper Air Techniques," 1945, 28 pp. (Typescr) plus 32 maps (Oxalid) *
(Contained in AWS TR 105-47, ATI-65142.)
17. "Forecasting in the Northway Area," by Capt Loren F. Haker, circa 1945,
33 pp. (Typescr) * (Contained in AWS TR 105-47, ATI-65142)
18. "Forecasting in the Watson Lake Areas," by Capt. F. F. Hooper, circa
1945, 28 pp. (Typescr) * (Contained in AWS TR 105-47, ATI-65142.)
19. "Briefing Aids - Northwest Ferry Route," prepared by Research Dept.,
Regional Weather Central, February 1946, 35 pp. (Contained in
AWS TR 105-47, ATI-65142) *

16th WEATHER SQUADRON

20. "Some Aspects of Synoptic Meteorology Along the Nome-Fairbanks
Route," by Capt J. X. Jamrich, 1943, 13 pp. (Typescr) figs.
missing. * (Reprinted in "Miscellaneous Contributions,"
Vol. 1, No. 13, 1945.)

LIST OF 17th WEATHER REGION PUBLICATIONS (18 Sept 1942-26 Nov 1944)

Item No.17th WEATHER REGION

1. "Frontal Analysis in the Tropical South Pacific," by Capt W. P. Conway, Jr., October 1943, 22 pp. (Typescr) plus figs. * (Revised version published as AAF Weather Division Report No. 600-50, 1944.) (ATI-111667)
2. "Tactical Uses of Clouds [Solomon Islands]," [by C. E. Palmer], 19 May 1944, 11 pp. (Typescr) *

17th WEATHER SQUADRON

3. "Beach Head Weather," by S/Sgt R. P. Speer, 1943, 9 pp. (Typescr) *
4. "Climatology Report, Carney Field, Guadalcanal," November 1943, 5 pp. (Mimeogr) plus figs., charts. *

LIST OF 18th WEATHER REGION PUBLICATIONS (14 May 1942-1 Jul 1945?)

Item No.18th WEATHER REGION

1. "Comparison of Mount Farm and Bassingbourne Airdromes," 1943, 2 pp. (Typescr) plus chart. *
2. "Terrain and Weather Considerations Affecting Military Traffic in Southwestern Germany," prepared by U.S. Strategic AF in Europe, February 1945, 3 pp. (Typescr) plus map. *
3. "Brief Summary of Weather and Flying Problems in the Far Eastern Theater of War," prepared by Special Studies Unit, U.S. Strategic AF in Europe, 6 June 1945, 65 pp. (Multilith) *
4. "Weather Conditions on Triangular Flight Course Lincoln-Moira-Worcester," n.d., 2 pp. (Typescr) plus figs. *
5. "Atlantic European Weather Types, 1899-1945, Classification, Calendar, Uses and Climatology," by R. A. Jones, et al., 1945. (Published as AWS TR 105-137, August 1955, AD-72807.)

LIST OF 19th WEATHER REGION PUBLICATIONS (30 Jun 1942-July 1945)

Item No.

19th WEATHER REGION

1. "Weather Summaries," by M/Sgt M. J. Bowers, January 1943, 5 pp. (Typescr)*
2. "Forecasting Harmattan Haze Along Route Accra to Kano," by 2/Lt R. E. Zelenka, and T/Sgt L. Kuchek, February 1943, 4 pp. (Typescr) *
3. "The Meteorology of Central Africa," by Major S. B. Solot, November 1943, 74 pp. (Mimeogr) plus figs. * (Published as AWS TR 105-50, Revised November 1945, ATI-65151, and partly in Bull. Amer. Met. Soc. Vol. 31, No. 3, March 1950, pp. 85-94.)
4. "A Study of Harmattan Haze at Maiduguri, Nigeria," by Capt T. P. Condron, December 1944, 10 pp. (Mimeogr) plus figs. * (Redesignated as AWS TR 105-49, December 1944, ATI-65153.)
5. "Wind Analysis for Airport Design," by Major S. B. Solot, January 1945, 17 pp. (Mimeogr) * (Published in AAF Weather Service Bulletin, Vol. 3, No. 3, pp. 1-4, and Engineering News Record, 1946.)
6. "Forecasting Manual, Tripoli to Karachi, Part I: Oct, Nov, Dec 1944," * (Redesignated as AWS TR 105-53A, Oct 1944, ATI-65143.)
7. "Forecasting Manual, Tripoli to Karachi, Part II: Jan, Feb, March," 1945, 73 pp. (Mimeogr) * (Redesignated as AWS TR 105-53B, Jan 1945, ATI-65143.)
8. "Monthly Summary of Weather at Accra, Gold Coast, B.W.A.," by Capt J. Chancellor, III, February 1945, 4 pp. (Typescr) *
9. "Weather Along the Guinea Coast of Africa," by Capt J. T. Slusher, 1945, 39 pp. incl. figs. (Mimeogr) *
10. "Cold Frontogenesis Over the Eastern Sahara Desert With Attendant Generation of Harmattan Haze," by Capt J. Chancellor, III, 1945, 4 pp. (Typescr) *
11. "A Study of Blowing Dust in the Nineteenth Weather Region," by Lt A. L. Sarvis, February 1945, 105 pp. (Mimeogr) * (Redesignated as AWS TR 105-48, Feb 1945, ATI-65154.)
12. "Pilots' Weather Digest, North African Routes," by Research Section, March 1945, 43 pp. (Mimeogr) *
13. "Forecasting Manual, Tripoli to Karachi, Part III: April, May, June," April 1945, 68 pp. (Mimeogr) * (Redesignated as AWS TR 105-53C, April 1945, ATI-65143.)

Item No.19th WEATHER REGION (Cont'd)

14. "Pilots' Weather Digest, Dakar to Tripoli," prepared by Research Section May 1945, 19 pp. (Mimeogr) *
15. "Forecasting Manual, Casablanca to Karachi, July, August, September," July 1945, 122 pp. (Mimeogr) * (Redesignated as AWS TR 105-53D, July 1945, ATI-65143.)
16. "Pilots' Weather Digest, Dakar to Johannesburg," prepared by Station Weather Officer, July 1945, 9 pp. (Mimeogr) plus figs. *
17. "Harmattan Haze," by Capt J. Chancellor, III, circa 1945, 9 pp.

LIST OF 20th WEATHER REGION PUBLICATIONS (15 Apr 1943-1 Nov 1943)

Item No.20th WEATHER REGION

1. "Climate of the Transcaucasus," 28 May 1943, 26 pp. (Typescr) *

LIST OF 21st WEATHER REGION PUBLICATIONS (April 1943-July 1945)

Item No.21st WEATHER REGION21st WEATHER SQUADRON (9th Air Force)Technical Papers:

1. #1, "Weathering the Mediums or My Aching Back," by Capt Blanchard, 323d Bomb Group, 19 July 1944, 11 pp. (Typescr)
2. #2, "Aeronautical Meteorological Survey of France," translated from a captured German document, 24 August 1944, 8 pp. plus diagrams. (Photostat) *
3. #3, "Probability of Cloud Obstructing Vision During Bombing Run," by Major N. A. Riley, 9th Bombardment Division, 10 Nov 1944, 11 pp. (Photostat) * (Published in AAF Weather Service Bulletin, Vol. 3, No. 2, 1945, pp. 22-23. Redesignated as AWS TR 105-55, ATI-65152.)

Item No.

21st WEATHER REGION (Cont'd)

21st WEATHER SQUADRON (Cont'd)

Technical Papers (Cont'd):

4. #5, "Climatology of the Rhine Region," by M. G. Barbé, translated from sections of Climatologie de la Region du Rhin (1924) and Notice Climatologique sur l'Allemagne (1944), 28 Dec 1944, 10 pp. (Mimeogr) (ATI-110383) *
5. #7, "High Level Talk — or Notes From the Upper Section," by Capt S. L. Beckwith, 15 May 1945, 15 pp. (Mimeogr) *
6. "Climatological Study of the Eastern Front Area, January to May inclusive," circa 1944, 7 pp. (Mimeogr) *
7. "Ground Forces Weather Service Operations Manual": * (Mimeogr)
Contents:
Part I, "Tentative S.O.P. for the Determination of the Artillery Ballistic Message," 1 May 1944.
Part II, "Tentative S.O.P. for the Forecasting of Weather Conditions Important in Chemical Warfare," 27 May 1944.
Part III, "Soil Trafficability Forecasting," 2 July 1944.
Part IV, "General Weather Forecasting," 1 November 1944.
8. "Collected Papers, Weather and Operations," by 9th Air Division, Office of the Weather Officer, 8 June 1945. *
Contents:
8a. "General Discussion of Division Weather Service," 26 May 1945, 6 pp. (Typescr).
8b. "Informal Notes on the Effects of Weather on the Operation of Medium Bomber Aircraft in the European Theater of Operations," 8 June 1945, 5 pp. (Typescr)
8c. "Weather and Medium Bombardment (A Discussion for Air Liaison Officers)," 17 April 1945, 7 pp. (Typescr)
8d. "Weather and Operations at a Light Bombardment Group," by 1/Lt G. Nolte, 409th Bomb Group, 6 pp. (Typescr)
8e. "Weather Records," 12 March 1945, 2 pp. (Typescr).

Item No.21st WEATHER REGION (Cont'd)21st WEATHER SQUADRON (Cont'd)

8. Collected Papers (Cont'd):
- 8f. "Effect of Clouds on Bombing." (Photo)
- 8g. "Weather vs Operations or Putting on a Show at IX Bomber Command," by Capt L. A. Gazzaniga, 1 September 1944, 4 pp. (Typescr)
- 8h. "Weather Reconnaissance Report," 9th Wea Recn Sqd (Prov) 7 pp. (Typescr); "Introducing the 9th Wea Recn Sqd," 2 pp. (Typescr); "Press Release," 3 pp. (Typescr); "General Outline of Meteorology Course for Pilots of the 9th Wea Recn Sqd (Prov), 15 Dec 1944, 2 pp. (Typescr); "Do or Die for RECCE or a Typical Day at Ninth Weather," by Capt A. A. Nido, 2 pp. (Typescr).
- 8i. "Local weather Reconnaissance," by 9th Bombardment Division (M), 12 December 1944, 2 pp. (Typescr); "Local Weather Reconnaissance Flights," by 98th Combat Bombardment Wing (k), 8 March 1945, 2 pp. (Typescr); Policy Memo No. 16, by 99th Combat Bombardment Wing (M), 3 February 1945, 2 pp. (Typescr)
- 8j. "Weather Briefing Procedure for Operations of the 387th Bombardment Group," 10 September 1944, 2 pp. (Typescr)
- 8k. Weather Bulletin #1, 4 August 1944, 3 pp. (Typescr)
 #3, 9 October 1944, 6 pp. (Mimeogr)
 #4, 3 November 1944, 7 pp. (Mimeogr)
 #5, 20 December 1944, 8 pp. (Mimeogr)
 #6, 2 February 1945, 8 pp. (Mimeogr)
 #7, 22 March 1945, 6 pp. (Mimeogr)
9. "Interrogation of Dr. Werner Schwerdtfeger," 12 Sept 1945, 15 pp. (Mimeogr) *

LIST OF 22nd WEATHER REGION PUBLICATIONS (1 Jul 1943-5 Feb 1946)

Item No.

22nd WEATHER REGION

1. "Preliminary Correlations of Synoptic and Winds Aloft Charts With High Winds on the Natal-Ascension Track," by T/Sgt A. W. Orr and Sgt S. Tomashefsky, 22 December 1944, 64 pp. (Mimeogr) * (ATI-65137)
2. "Weather Along the Northeast Coast of South America," by 1/Lt J. W. Fenton, 1944, 33 pp. (Typescr) plus charts, diagrams. *
3. "Trough Weather Along the Guiana Coast," by 1/Lt W. E. Wright, circa 1944, 5 pp. (Typescr) *
4. "Route Weather Between Waller Field and Belem, Brazil," by M/Sgt E. A. Loehr, 8 pp. (Typescr) *
5. "Route Weather Between Belem and Natal," by Capt S. E. Ulrich, 4 pp. (Typescr) *
6. "Factors Influencing the weather on the Natal-Belem Route," by 2/Lt O. H. Bond, 15 June 1944, 4 pp. (Typescr) plus figs. *
7. "Belem-Natal Route," by 1/Lt H. K. Stryker, 7 pp. (Typescr) *
8. "Recife to Rio Route," by 2/Lt V. W. Adams, 3 pp. (Typescr) *
9. "Recife to Rio Route," by M/Sgt F. S. Shay, 3 pp. (Typescr) *
10. "Forecasting the Bahia-Rio Route," by T/Sgt J. M. Deutchman, 2 pp. (Typescr) *
11. "Forecasting Weather on the Fortaleza-Dakar Track," by WOJG O.H. Daniel, 5 pp.(Typescr) plus charts. *
12. "Natal - Ascension Track, General Conditions," by M/Sgt W. E. Fennell, 5 pp. (Typescr)
13. "Route Forecasting Problems, Ascension Island to Natal," by 1/Lt D. E. Johnson, 6 pp. (Typescr) *
14. "Weather on the Natal-Ascension Track," by 1/Lt H. J. Hunn, 5 pp. (Typescr) plus figs. *
15. "Supplement to Paper on the Forecasting the Natal-Ascension Route," by Lt H. J. Hunn, 2 pp. (Typescr) plus figs. *
16. "The Natal-Dakar Route," by Capt P. Hartman, 6 pp.(Typescr) plus charts.*
17. "Weather Conditions on Route to Roberts Field," by 2.Lt A. J. Terzuoli, 3 pp. (Typescr) *

Item No.

22nd WEATHER REGION (Cont'd)

18. "A Temperature Anomaly Chart for Northern Brazil," by 1/Lt J. W. Fenton, 18 January 1945, 5 pp. (Mimeogr) plus charts. *
19. "A Preliminary Report on Atmospheric Tides," by 1/Lt J. E. O'Hare, September 1945, 4 pp. (Typescr) plus figs. *
20. "Notes on the Origin of the Hurricane," by J. E. O'Hare, 1945, 6 pp. (Typescr) plus figs. *
21. "Theta-E Chart" [for forecasting thunderstorms]. (Published in AAF Weather Service Bulletin, Vol. 3, No. 7, 1945, pp. 20-21. *

LIST OF 23rd WEATHER REGION PUBLICATIONS (1 Nov 1943-1 Oct 1945)

Item No.

23rd WEATHER REGION

1. "Forecasting Significance of Moisture Representation Aloft," 1944, 7 pp. (Mimeogr) *
2. "Thunderstorms in the Lee of the Rocky Mountains," by Capt J. B. Young, circa 1944, 4 pp. (Mimeogr) (figs. missing). * (Redesignated as AW/S TR 105-79, 1951, 16 pp. plus charts, figs. ATI-114514.)
3. "Icing," circa November 1944, 17 pp. (Mimeogr) *
4. "23rd Weather Region Equivalent-Potential Temperature Chart," by Lt H. W. Beart, 1944, 11 pp. (Mimeogr) plus charts. *
5. "Weather Station Manual of Operations," April 1945. (Mimeogr) *

LIST OF 24th WEATHER REGION PUBLICATIONS (1 Nov 1943-18 Sept 1945)

Item No.

24th WEATHER REGION

1. "Turbulence," 1944, 9 pp. (Mimeogr) *
2. "Subsidence Inversion Stratus, or High Fog, as it Effects the Columbia Basin," by Capt J. M. Bird, 10 March 1945, 2 pp (Mimeogr) *

LIST OF 25th WEATHER REGION PUBLICATIONS (1 Nov 1943-1 Oct 1945)

Item No.

25th WEATHER REGION

Technical Papers:

1. #1, "Forecasting Procedures for Pittsburgh and Vicinity," by Lt H. Wolf, 11 July 1944, 3 pp. (Mimeogr) *
2. #3, "Forecasting Surface Pressures by Means of Upper Air Indices," by 1/Lt H. H. Slater, et al., September 1944, 7 pp. (Mimeogr)*
3. #4, "The Effect of a Snow Cover on Meteorological Phenomena," by 1/Lt R. M. White, 27 November 1944, 3 pp. (Mimeogr) *

LIST OF 26th WEATHER REGION PUBLICATIONS (10 Oct 1943-18 Aug 1945)

Item No.

26th WEATHER REGION

1. "Presenting Weather to Flying Personnel," Lecture given at the (USAAF 26th Weather Central) Seminar, 2 March 1944, by Capt W. S. Barney, 4 pp. (Mimeogr) *
2. "Report on the Equivalent-Potential Temperature Chart at Kissimmee Weather Station, 14 Sept 1944 to 15 Oct 1944," 3 pp. (Typescr) plus charts. *
3. "Equivalent-Potential Chart," 1944, 3 pp. (Typescr) plus charts. *
4. "Evaluation Report on Weather Density-Channel Demonstration," prepared by 1/Lt E. D. Coons, 1 April 1945, 8 pp. (Typescr). (Letter attached from Training Aids Division, 8 Aug 1944.) *

LIST OF AAF WEATHER WING PUBLICATIONS (14 Apr 1943-1Jul 1945)

Item No.AAF WEATHER WING

1. "Report on Coordinating Visit to Weather Division, USWB, Eighth Weather Region, Fort Monmouth, and Bolling Field, 1-23 December 1943," by Colonel D. McNeal, 42 pp. (Typescr) *
2. "Use of the 20,000-Ft. Pressure Chart for Thunderstorm Forecasting," by Lt W. J. Plumley, 1944, 5 pp. (Mimeogr) *
3. "Equivalent-Potential Temperature Charts," 1944, 13 pp. (Mimeogr) *
4. "A Practical Method for Forecasting Upper Winds," by Capt E. B. Buxton, 8 June 1944, 4 pp. (Typescr) *
5. "Lectures on Altimetry," circa 1944, 19 pp. (Ditto) *
6. "Regional Control Officers' Conference, Chanute Field, 11-12 January 1944," 32 pp. (Mimeogr) *
7. "Instructions for AN/AMQ-1 Radiosonde Observations," February 1944, 13 pp. (Multilith) *
8. "Analysis and Forecasting of Tropical Cyclones With Special Reference to the Atlantic Ocean," by Gordon E. Dunn, USWB, reprinted by AAF Weather Wing, 1 May 1944, 35 pp. (Multilith) *
9. "Weather Station Handbook for the Observer," Sect III, "Winds-Aloft Observation," June 1944, 31 pp. (Lithopr) *
10. "Weather Station Handbook for the Observer," Sect I, "Weather Instruments," 1 August 1944, 136 pp. (Lithopr) *
11. "Prospectus of Investigation on Utilization of Upper-Air Observations," 1944, 3 pp. (Typescr) *
12. "Standardization of Weather Analysis," 8 August 1944, 7 pp. (Mimeogr) *
13. Accident Reports: (Lithopr)
 - No. 5, Tehachapi, California, 24 April 1944. *
 - No. 6, Johnson, Nebraska, 10 June 1944. *
 - No. 7, Reistertown, Maryland, 11 April 1944. *
 - No. 8, Mojave, California, 9 April 1944. *
 - No. 9, Carleton, Nebraska, 8 June 1944. *

Item No.

AAF WEATHER WING (Cont'd)

13. Accident Reports (Cont'd):

- No. 10, Rapid City, South Dakota, 10 July 1944. *
 - No. 11, Violation Report at Cajon Weather Station, n.d. *
 - No. 12, Claremont, Virginia, 8 January 1944. *
 - No. 13, Portland, Maine, 11 July 1944. *
 - No. 14, Cliff, Texas, 7 July 1944. *
 - No. 15, Stout Field, Indiana, 5 August 1944. *
 - No. 16, Hayden, Arizona, 2 July 1944. *
 - No. 17, Shenandoah, Ohio, 7 May 1944. *
 - No. 18, Esto, Florida, 2 July 1944. *
 - No. 19, Savannah, Georgia, 21 August 1944. *
 - No. 20, La Grange, Georgia, 14 April 1944. *
 - No. 21, Pavia, Penna, 4 June 1944. *
 - No. 22, Ellisdale, New Jersey, 31 January 1944. *
 - No. 25, Chattanooga, Tennessee, 2 January 1945. *
 - No. 26, Woodruff, Arizona, 23 September 1944. *
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- 14. "Preliminary Report, True Height Computation for High-Level Bombardment," by Capt J. E. Bennett, 27 June 1944, 9 pp. (Mimeogr) *
 - 15. "Accuracy of RAOB Data," 28 June 1944, 2 pp. (Mimeogr) *
 - 16. "Glossary of Meteorological Terms," prepared by AAF, n.d. (Lithopr) *
 - 17. "Preliminary Instruction Manual, Weather Forecast for Radar Operations," (1944), 38 pp. (Photostat) *
 - 18. "Weather Briefing Manual," published as AF Manual No. 38, 21 August 1944, 16 pp. (Letterpress) *
 - 19. "An Investigation of Bice-Stephens Correlations During May, June, July and August 1944," by J. C. Morris and P. A. Criscillis, 1944, 5 pp. (Mimeogr) *

Item No.AAF WEATHER WING (Cont'd)

20. "Weather Intelligence," October 1944, 41 pp. (Mimeogr) *
21. "Scales for Reporting Turbulence," by L. P. Harrison, USWB, reprinted by AAF Weather wing, November 1944, 7 pp. (Mimeogr) *
22. "Stratus, Its Thermal Structure," by Major W. E. Howell. (Published in AAF Weather Service Bulletin, Vol. 1, No. 3, 1944, pp. 1-5.) * (ATI-107715)
23. "A Rational Method of Constructing High Altitude Weather Maps," by Capt A. F. Gustafson, 1944. (Reissued as AWS TR 105-9, 1945, Rescinded 1952.)
24. "Stoke's Wave Theory as Applied to Perturbation in the Isentropic Surfaces in the Tropics," n.d. 7 pp. (Typescr) *
25. "Preparation of Surface Prognostic Chart," 1945, 4 pp. (Mimeogr) *
26. "Operational Experience With Icing," circa 1945, 8 pp. (Mimeogr) *
27. "Isallobaric Correlations," 1945, 3 pp. (Mimeogr) *
28. "Precipitation Static," 1945, 10 pp. (Mimeogr) *
29. "Use of the Pseudo-Adiabatic Chart," 1945, 9 pp. (Mimeogr) *
30. "Preparation of 10,000-Foot Prognostic Chart," January 1945, 4 pp. (Mimeogr) *
31. "Organization of the Japanese Service," February 1945, 16 pp. (Typescr) *
32. "North American Air Masses," 1945, 7 pp. (Mimeogr) *
33. "Weather Electronics Information," 10 March 1945, 11 pp. incl. fig. (Mimeogr) *
34. "Notes on the General Circulation Over East Asia and Adjoining Seas in Winter," by Jacob Bjerknes, reprinted by AAF Weather Wing, 13 April 1945, 10 pp. (Mimeogr) *
35. "Dissemination and Use of Atmospheric Analyses," by Major W. F. Bernheisel. (Published in Bull. Amer. Met. Soc., Vol. 26, No. 4, April 1945, pp. 103-109.) *
36. "Radar Weather Reconnaissance." (Published as AAF Manual 105-101-1, May 1945, 33 pp.) (Letterpress) *
37. "East Asian Circulation (Winter)," by J. Bjerknes, 1945 (Mimeogr). (Reprinted in AAF Weather Service Bulletin, Vol. 3, No. 7, 1945, pp. 3-9.) (ATI-109007) *

Item No.

AAF WEATHER WING (Cont'd)

38. "A New Method of Navigation Using Radio and Pressure Altimeter," by Operations Analysis Section, Report #1, 15 June 1945, 15 pp. (Mineogr) *
39. AAF Weather Service Bulletin, Vol. 1, No. 1, September 1943, 24 pp. (Lithoprint) (ATI-107713) *
- Contents:
- "The Commanding Officer Speaks," pp. 1-2.
 - "Icing on Aircraft," pp. 3-7.
 - "Over Darkest Africa," by 2/Lt Peter A. Laudati, Jr., pp. 8-10.
 - "Facsimile at work," as told by Major Thomas H. Barry, pp. 11-12.
 - "Nephanalysis A Forecasting Aid," by P. L. Schereschewsky, pp. 13-14, cont'd on p. 17.
 - "Headquarters Notes," pp. 15-16.
 - "Reports From the Regions," pp. 17-18, cont'd on p. 20.
 - Abstract: "Test on Anti-Icing and De-Icing Equipment," at the Mass. Inst. of Tech., pp. 19-20.
 - "Hints on Oceanic Forecasting," by Commander W. M. Lockhart, pp. 21-22.
 - "An Artist Looks at Weather: Clouds, Air and Wind," by Eric Sloane, p. 22.
 - "The Weather Officer's Bible," pp. 23-24.
40. AAF Weather Service Bulletin, Vol. 1, No. 2, Nov-Dec 1943, 33 pp. (Lithoprint) (ATI-107714) *
- Contents:
- "Icing on Aircraft: II," by David L. Arenberg, pp. 1-8.
 - "Nephanalysis A Forecasting Aid: II," by P. L. Schereschewsky, pp. 9-11.
 - "Air Business," by E. G. Anderson, pp. 12-14.
 - "R.C.O. Conference Notes," pp. 15-18.
 - "How It Works," by Colonel A. Q. Mustoe, pp. 19-23.
 - "Weather Briefing for European Theatre Bombing Missions," by Capt Robert T. Poole, pp. 23-24.
 - "Headquarters Notes," pp. 25-26.
 - "Reports From the Regions," pp. 27-28.
 - Abstract: "South Atlantic Weather," pp. 29-30.
 - Review: "At High School Level," pp. 31-32.
 - "Weatherman's Song," p. 33.

Item No.AAF WEATHER WING (Cont'd)

41. AAF Weather Service Bulletin, Vol. 1, No. 3, Jan-Feb 1944, 32 pp.
(Lithoprint) (ATI-107715) *
- Contents:
- "Thermal Structure of Stratus Clouds," by Major W. E. Howell, pp. 1-5.
 - "Relation of the Weather Service to Aircraft Accidents," p. 6.
 - "Hurricane Cirrus," p. 7-10.
 - "Arctic Rescue by Air Mission," by Capt E. Stettler, pp. 11-12.
 - "Icing on Aircraft: III," by David L. Arenberg, pp. 13-17.
 - "Meteorology in Relation to Air Operations," by C. Palmer, pp. 18-21, cont'd on p. 30.
 - "Wings for Weathermen," by Lt D. Brennan, pp. 22-23.
 - "Headquarters Notes," pp. 24-26.
 - "Reports From the Regions," pp. 27-28.
 - Abstract: "Prolonging Life of Dry Batteries," pp. 29-30.
 - "Tornadoes," p. 30.
 - Review: "A Simplification of the Formulas for Displacement of Pressure Systems," by Horace Byers, pp. 31-33.
42. AAF Weather Service Bulletin, Vol. 1, No. 4, March 1944, 32 pp.
(Lithoprint) (ATI-107716) *
- Contents:
- "Mission to Paramushiro," by Capt Virgil Sandifer, pp. 1-3, cont'd on p. 5.
 - "Glider Weather," by Met. Office, British Air Ministry, pp. 4-5.
 - "Icing on Aircraft: IV," by David L. Arenberg, pp. 6-9.
 - "Atmospheric Motions in Response to Pressure Gradient Fluctuations," by Capt P. L. Hill and Capt G. M. Leies, pp. 10-15.
 - "Training Weathermen for Arctic Life," pp. 16-18.
 - "Intertropical Front," by C. K. Reynolds, pp. 19-22, cont'd on p. 30.
 - "Headquarters Notes," p. 23, cont'd on p. 30.
 - "Reports From the Regions," pp. 24-25.
 - Abstract: "Computation of Pressures at a Constant Isopotential Level," by Edward Skmolnik, pp. 25-27.
 - "Organization of the AAF Weather Service," p. 28.
 - Review: "Condensation Trails," pp. 29-30.
 - "Flight Tests of a Minneapolis-Honeywell Icing Indicator in Natural Conditions," p. 31
 - "The Death of a Liberator," p. 32.

Item No.

AAF WEATHER WING (Cont'd)

43. AAF Weather Service Bulletin, Vol. 2, No. 1, June 1944, 24 pp.
(Lithoprint) (ATI-107717) *
Contents:
"Weather at the Front," by Major David M. Ludlum, pp. 1-2.
"Meteorology as a Profession," by Lt Colonel T. R. Gillenwaters,
pp. 3-6.
"Keeping the Pace," by Major C. L. Rawson, p. 7.
"Over the Seas," by Major Lynn T. Irish, pp. 8-10.
"Weather by the Numbers," by Major J. R. DeHart, pp. 11-12.
"Glowbal," by Corporal Alan Harrington, pp. 13-14.
"Equipment-O-Genesis," p. 14.
"Doodle of the Bayous," by T/Sgt C. Frarey, pp. 15-16.
"Equatorial Front," by Lt Bennett Robertson, pp. 17-18.
"Short Range Verification Results," pp. 18-19.
"Reports From the Regions," p. 20.
Abstract: "Speeding the Radiosonde Program," p. 21.
"Organization of the AAF Weather Service," p. 22.
"Headquarters Notes," p. 23.
"Rocks in the Clouds," p. 24.
44. AAF Weather Service Bulletin, Vol. 2, No. 2, August 1944, 28 pp.
(Lithoprint) (ATI-107718) *
Contents:
"Projectile Navigation," pp. 1-4.
"Buzz Boys Exploit Clouds," by Major Oliver K. Jones, pp. 5-6.
"APOBs Without Aerographs," by Capt A. F. Gustafson, pp. 7-10.
"Mobile Meteorologists," pp. 11-12.
"AAF WX: 1937-194?," by Lt Cushman Reynolds, pp. 13-14.
"Clouds in Aerology: I," by Professor C. F. Brooks, pp. 15-18.
"Research at Asheville," by Capt P. Worthman, p. 18.
"C-54 weather OBS"; "Flying the North Atlantic," by Lt R. B. Doremus
and Lt H. W. Mueller, pp. 19-20; "North Atlantic Forecasts," by
Lt Albert Badanes and Lt Holt Ashley, pp. 20-22.
"Microanalysis," by Capt Reid Bryson and Lt Phillip W. Allen,
pp. 23-26.
"The Technical Consultant Teams," p. 27.
"Your Future in Weather," p. 28.

Item No.AAF WEATHER WING (Cont'd)

45. AAF Weather Service Bulletin, Vol. 2, No. 3, September 1944, 28 pp.
(Lithoprint) (ATI-107719) *
- Contents:
- "Short-Range Verification," by Major K. C. Spengler, pp. 1-4, cont'd on p. 26-28.
 - "Old Dogs and New Tricks," pp. 5-6.
 - "Training for Weather," pp. 7-8.
 - "Thunderstorm Intensities," p. 8.
 - "Rawins," pp. 9-10.
 - "Clevelandia," by Cpl. John Claar, pp. 11-12.
 - "Up and Up: Higher and Higher," p. 13.
 - "The Meteorological Profession Organizes," pp. 14-15.
 - "Rain N' More Rain!" p. 16.
 - "Tail Chewing," p. 17.
 - "The Reality of the Fronts," pp. 18-19.
 - "Radar Coverage," pp. 20-23.
 - "The Top of your Map," p. 23.
 - "Headquarters Notes," pp. 24-26.
 - "Results of the Short-Range Verification," pp. 26-28.
46. AAF Weather Service Bulletin, Vol. 2, No. 4, October 1944, 28 pp.
(Lithoprint) (ATI-107720) *
- Contents:
- "Deadly Burlesque," by Capt William L. Roberts, pp. 1-2, cont'd p.12.
 - "Simple Navigation of Aircraft: Part I," pp. 3-6.
 - "Crackup Weather," pp. 7-8.
 - "Analogues When Isolated," pp. 9-12.
 - "Regional Headaches," by Major R. L. Sorey and Lt R. W. Beart, pp. 13-14.
 - "Winds Above Pibals," pp. 15-16.
 - "A.B.C's of College Credits," pp. 17-20.
 - "Bomber Classes," by Lt John Guissinger, Jr., pp. 21-22.
 - "The Cover," p. 22.
 - "Pigeon Problems," by M/Sgt Milton Werbin, p. 23.
 - "Beating a Blow," by WO(JG) Matt L. Mleziva, p. 24.
 - "Headquarters," pp. 25-26.
 - "Emergency Repairs of Metro Balloons," p. 26.
 - "Short-Range Verification," pp. 27-28.

Item No.

AAF WEATHER WING (Cont'd)

47. AAF Weather Service Bulletin, Vol. 2, No. 5, November 1944, 24 pp.
(Lithoprint) (ATI-109000) *
Contents:
"Hurricane Warning," pp. 1-5.
"Glider Weather, Sequel," by Lt William Widger, Jr., p. 6.
"Daytime Visibility," by Major Wallace Howell, pp. 7-11.
"Progress in Meteorology," by Dr. David Brunt, Roy. Met. Soc.,
pp. 12-14.
"Singing Sonde," pp. 15-16.
"Glider Obituary," p. 16.
"North Atlantic Icing," by Lt John B. Blake, pp. 17-19.
"Fortune Smiles," by Lt Cushman Reynolds, pp. 20-21.
"Simple Navigation of Aircraft: Part II," pp. 22-23.
"Headquarters Notes," p. 24.
48. AAF Weather Service Bulletin, Vol. 2, No. 6, December 1944, 24 pp.
(Lithoprint) (ATI-109001) *
Contents:
"Custom-Tailored Forecasts," by S/Sgt David V. Kennedy, pp. 1-2.
"Security Check," p. 3.
"Simple Navigation of Aircraft: Part III," pp. 4-5.
"Oceanic Fixes," by Lt Herbert W. Mueller, pp. 6-7.
"First Aid for Briefers," p. 8.
"Stratus Research," by K. C. Fink, pp. 9-10.
"Research Progress," by Morris Neiburger, et al., pp. 10-11.
"Metro Allure," by Lt M. B. Strelitz, pp. 12-13.
"Isallobaric Centers," by Lt James Morris and Lt Paul Criscillis,
pp. 14-15.
"Cloud Photos," pp. 16-17.
"Short Range Verification," pp. 18-19.
"Headquarters Notes," pp. 21-22.
"Index, weather Service Bulletin, Vols. I-II," pp. 22-23.
"Rawin Reporting Stations," p. 24.
49. AAF Weather Service Bulletin, Vol. 3, No. 1, January 1945, 24 pp.
(Lithoprint) (ATI-109002) *
Contents:
"Nazi Raobs," pp. 1-3.
"Let Experts Do It," p. 4.
"Constant Level or Constant Pressure," by Lt W. N. Stokes and
Lt O. E. Dews, pp. 5-7.
"Barometer Corrections," by Cpl E. F. Peters and H. J. Smith, p. 8.
"Ah, Relief!" pp. 9-10.
"Forecasters' Exam," pp. 11-14.
"Air Mass Classification," by Dr. H. C. Willett, M.I.T., pp. 15-18.
"Weight Charts," by Lt. Richard Braun and Lt Avron Douglas,
pp. 19-24.

Item No.AAF WEATHER WING (Cont'd)

50. AAF Weather Service Bulletin, Vol. 3, No. 2, February 1945, 24 pp.
(Lithoprint) (ATI-109003) *
Contents:
"Radar Weather OBS," pp. 1-7.
"Pacific Invasions, WX," by S/Sgt Robert Speer, pp. 8-10.
"Precip Static," p. 11.
"Europe Invaded," pp. 12-13.
"Sferics," pp. 14-15.
"Earth Sciences in Liberal Education," by C. G. Rossby, pp. 16-17.
"Typhoon," by Capt J. C. Glasgow, pp. 18-20.
"TSTM Post Mortem," p. 21.
"Visual Bombing thru Clouds," by Major Allen Riley, pp. 22-23.
"Metro Musings," pp. 23-24.
51. AAF Weather Service Bulletin, Vol. 3, No. 3, March 1945, 24 pp.
(Lithoprint) (ATI-109004) *
Contents:
"Analogue Forecasting," pp. 1-6.
"Post-war Air Transport," pp. 7-8.
"Synoptic Climatology," by Woodrow C. Jacobs, pp. 9-13.
"Visibility: Air to Ground," by Capt Lawrence Baker, pp. 14-15.
"One Year of SRV," pp. 16-18.
"Standing of Forecasters," pp. 19-20.
"A.M.S. Convention," p. 21.
"Metro Musings," pp. 22-23.
"Rawin Reporting Stations," p. 24.
52. AAF Weather Service Bulletin, Vol. 3, No. 4, April 1945, 24 pp.
(Lithoprint) (ATI-109005) *
Contents:
"Contour Charts," p. 1.
"Vertical Motions," by Lt O. E. Dews, pp. 2-5.
"Contour Chart II," pp. 6-19.
"700 mb Prognosis," pp. 20-23.
"300 mb Analysis," by T/Sgt John MacDonald, p. 24.
53. AAF Weather Service Bulletin, Vol. 3, No. 5, May 1945, 20 pp.
(Lithoprint) (ATI-78057) *
Contents:
"Airport Design," by Major S. Solot, pp. 1-4.
"Pacific Pressures," Capt M. P. Link, Jr., pp. 5-7.
"Index Research," pp. 8-9.
"Waterspouts in the Adriatic Sea," by Major Francis Johnson, pp. 10-11.
"Fast — or Slow?" pp. 12-14.
"Manpower Yardstick," p. 15.
"Headquarters Notes," pp. 16-17.
"Metro Musings," pp. 17-18.
"Short-Range Verification," pp. 19-20.

Item No.

AAF WEATHER WING (Cont'd)

54. AAF Weather Service Bulletin, Vol. 3, No. 6, June 1945, 20 pp.
(Lithoprint) (ATI-109006) *
- Contents:
- "Japan's Invisible Ally," by S/Sgt Bob Speer and Cpl Richard Dugan, pp. 1-2.
 - "Weather Wisdom," p. 3.
 - "E-6B: A Weather Gadget," by Lt W. R. Fuller and Pvt Lester Machta, pp. 4-7.
 - "Rawinsonde," pp. 8-11.
 - "Salween Campaign," p. 12.
 - "Unreliable Winds," by Lt Arnold Court, pp. 13-15.
 - "Guerrilla Observers," by Sgt T. A. Graham, pp. 16-17.
 - "Short-Range Verification Results," pp. 18-19.
 - "Answers to Weather Wisdom," p. 20.

(Note: weather Service Bulletins Vol. 3, Nos. 7, 8 and 9 were published by Hq AAF Weather Service and will be listed in a forthcoming Bibliography on AWS Headquarters publications).

LIST OF REPORTS OF THE AAF RESEARCH WEATHER STATIONS, 1944-1946

In late 1944 and early 1945 groups of AAF weather officers were detached to the University departments of meteorology where AAF cadets had been under basic meteorological training. These officers were to carry out research projects on topics of interest to the AAF weather service, under the direction and guidance, or with collaboration, of the University staffs. For administrative purposes the stations were assigned to the AAF Weather Wing and in turn to its Weather Regions. However, the research activities of these stations were technically monitored by the Weather Division of Headquarters AAF. On 1 July 1945 the stations were assigned to the AAF Weather Service, who later in 1945 placed them under the 72nd AAFBU for administration. As the officers were rapidly being discharged most of the stations were soon inactivated, the last one (UCLA) being closed in 1946. The reports on the projects of these stations in many cases had not been completed when the stations were closed but the university staffs or students continued some of the projects and published the results later. In the following list, these later reports are included, which accounts for the dates of issue later than 1945 or 1946.

UNIVERSITY OF CALIFORNIA AT LOS ANGELES

Item No.

1. "Stratus Research Project," AAF Research Weather Station, U.C.L.A., 30 June 1944, 3 pp. (Typescr) plus map. *
2. "First Technical Progress Report on 1944 Stratus Research Project," by G. P. Beer, et al., AAF Research Weather Station, U.C.L.A., September 1944, 10 pp. (Mimeogr) plus figs. *
3. "Monthly Progress Report," by Charles G. P. Beer and Luna B. Leopold, AAF Research Weather Station, U.C.L.A., October 1944, 3 pp. (Typescr) plus figs. *
4. "The Coastal Sea Breeze in Relation to Diurnal Temperature Changes in the Lower Atmosphere," by Luna B. Leopold and Charles G. P. Beer, AAF Research Weather Station, U.C.L.A., circa December 1944, 17 pp. (Mimeogr) * (Published in Bull. Amer. Met. Soc., October 1944, Vol. 28, No. 8, pp. 371-380.)
5. "Report on the 1944 Investigation of California Stratus, Part I," by Morris Neilburger, et al., AAF Research Weather Station, U.C.L.A., 1 January 1945, 68 pp. (Typescr) plus figs. * (Printed by US Dept of Commerce, Weather Bureau, April 1945.)
6. "Report on the 1944 Investigation of California Stratus, Part II, 'Radiosonde Data'," by AAF Research Weather Station, U.C.L.A., 1 January 1945. * Contents: (Typescr)
 - Santa Maria, 24 Jul - 25 Sept., 128 pp.
 - U.C.L.A., 17 Jul - 30 Sept., 148 pp.
 - Cal. Tech., 17 Jul - 30 Sept., 147 pp.
 - Santa Ana (Orange County Army Air Field) 13 Aug - 30 Sept., 91 pp.
 - San Clements Island, 24 Aug - 30 Sept., 65 pp.

UNIVERSITY OF CALIFORNIA AT LOS ANGELES
(Cont'd)

Item No.

7. "Progress Report, Divergence Project," by Luna B. Leopold and Charles G. P. Beer, AAF Research Weather Station, U.C.L.A., 1 February 1945, 10 pp. (Typescr) plus figs.*
8. "A Check List for Forecasting California Stratus," by Charles G. P. Beer and Luna B. Leopold, AAF Research Weather Station, U.C.L.A., 1 March 1945, 35 pp. (Typescr) plus figs. photo. (Published as AWS TR 105-13, May 1945, ATI-72495.) *
9. "North Pacific Coast Stratus Project," AAF Weather Station, U.C.L.A., April 1945, 2 pp. (Typescr) *
10. "Investigation of Coastal Breezes," [AAF Research Weather Station, U.C.L.A.] 2 April 1945, 5 pp. (Typescr) plus figs. *
11. "Sea Breeze - Visibility Project," by AAF Research Weather Station, U.C.L.A., April 1945, 4 pp. (Typescr) *
12. "Divergence [Project], Progress Report," by Luna B. Leopold and Charles G. P. Beer, AAF Research Weather Station, U.C.L.A., 1 June 1945, 11 pp. (Typescr) plus figs. Appendix attached, 5 pp. (Ditto) *
13. "Structure of the Local Winds in the Los Angeles Basin, California," by Luna B. Leopold and Charles G. P. Beer, AAF Research Weather Station, U.C.L.A., 15 June 1945, 7 pp. (Typescr) plus figs. * (Published as AWS TR 105-1, ATI-72493.)
14. "The Diurnal wind Regime in Relation to Coastal Weather," by Luna B. Leopold and Charles G. P. Beer, AAF Research Weather Station, U.C.L.A., 25 October 1945, 31 pp. (Typescr) plus figs. * (Published in Bull. Amer. Met. Soc., Vol. 28, No. 10, October 1947, pp. 371-380.)
15. "Report of Progress, Divergence Project," by Philip D. Thompson, AAF Research Weather Station, U.C.L.A., May 1946, 4 pp. (Mimeogr) plus figs.*
16. "Convergence and Divergence Project," by Edward A. Doty, AAF Research Weather Station, U.C.L.A., May 1946, 7 pp. (Typescr) *
17. "Convergence and Divergence Research Project," by Edward A. Doty, AAF Research weather Station, U.C.L.A., June 1946, 9 pp. (Typescr) *
18. "Convergence and Divergence Research Project," by Edward A. Doty, AAF Research Weather Station, U.C.L.A., July 1946, 4 pp. (Typescr) *
19. "Report of Progress Divergence Project," by Philip D. Thompson, AAF Research Weather Station, U.C.L.A., July 1946, 4 pp. (Mimeogr) *
20. "Convergence and Divergence Research Project," by Edward A. Doty, AAF Research Weather Station, U.C.L.A., August 1946, 4 pp. (Typescr) plus fig. *

UNIVERSITY OF CALIFORNIA AT LOS ANGELES
(Cont'd)

Item No.

21. "Divergence Project, Part I," by Edward A. Doty, AAF Research Weather Station, U.C.L.A., September 1946, 6 pp. (Typescr) *
22. "Divergence Project, Part II, 'The Tendency Theory'," by Philip D. Thompson, AAF Research Weather Station, U.C.L.A., September 1946, 5 pp. (Typescr)*
23. "A Gradient Wind-Speed Computer," by Philip D. Thompson, AAF Weather Station, U.C.L.A. (Published in Bull. Amer. Met. Soc., Vol. 27, No. 9, December 1946, pp. 564-568.)
24. "Divergence Progress Report for January 1947," by Edward A. Doty, AAF Research Weather Station, U.C.L.A., 6 pp. (Typescr) *
25. "Divergence Progress Report," by Edward A. Doty, AAF Research Weather Station, U.C.L.A., March 1947, 6 pp. (Typescr) *
26. "Survey Report on the Divergence Project," by Edward A. Doty, AAF Research Weather Station, U.C.L.A., August 1947, 25 pp. (Typescr) plus charts. *
27. "Vertical Velocities Determined by the Resultant Wind Technique," by Edward A. Doty, AAF Research Weather Station, U.C.L.A., January 1948, 10 pp. (Ditto) plus figs. *

CALIFORNIA INSTITUTE OF TECHNOLOGY

Item No.

1. "Final Report on Canned Map Analysis Project," AAF Research Weather Station, Calif. Inst. of Technology, 31 March 1945, 21 pp. plus figs. (Ditto) *
(See: Bull. Amer. Met. Soc., Vol. 26, No. 4, April 1945, pp. 107-109.)

UNIVERSITY OF CHICAGO

Item No.

1. "Report on Experimental Work at Army (AF) Weather Station, Univ. of Chicago, Illinois," by Richard D. Dean, 10 January 1944, 4 pp. (Mimeogr) plus maps. *
2. "Report on Experimental Work at Army (AF) Weather Station, Univ. of Chicago, Illinois," by Richard D. Dean, 10 January 1944, 4 pp. (Mimeogr) plus maps. *

UNIVERSITY OF CHICAGO
(Cont'd)

Item No.

3. "Statistical Study of Verification of Certain Upper-Air Forecasting Rules," Army (AF) Weather Station, Univ. of Chicago, Illinois, circa December 1944, 17 pp. (Ozalid) * (See: Hess, Journ. of Met., Vol. 2, No. 3, September 1945, pp. 179-183; and Bull. Amer. Met. Soc., May 1948, pp. 219-226.)
4. "The Use of Weight Charts in Forecasting Sea-Level Pressure," by Richard H. Braun and Avron Douglass, Army (AF) Weather Station, Univ. of Chicago, Illinois, December 1944, 23 pp. (Ozalid) plus figs. * (See: Weather Service Bulletin, Vol. 3, No. 1, January 1945, pp. 19-24.) (ATI-109002)
5. "High Altitude Forecasting and Thunderstorm Forecasting," prepared by Richard H. Braun and Avron Douglass, Army (AF) Weather Station, Univ. of Chicago, 28 March 1945, 39 pp. (Ozalid) plus figs. *
6. "Analysis of Thunderstorms at Joliet — Technical Report," by Army (AF) Weather Station, Univ. of Chicago, May 1945, 8 pp. (Ozalid) *
7. "A Statistical Study of the Deepening and Filling of Extratropical Cyclones," by Lt Seymour Hess, Army (AF) Weather Station, Univ. of Chicago, 23 June 1945. (Published in Journ. of Met., Vol. 2, No. 3, September 1945, pp. 179-184.)
8. "Constant Absolute Vorticity Trajectory Tables," by M. Fomenko and S. L. Hess, Army (AF) Weather Station, Univ. of Chicago, circa 1945, 20 pp. (Typescr) * (Published in Journ. of Met., Vol. 2, No. 4, December 1945, pp. 238-245.)
9. "Atmospheric Waves in the Pacific Northwest," by Seymour Hess and Harold Wagner, Army (AF) Weather Station, Univ. of Chicago, May 1946, 45 pp. (Typescr) incl. figs. * (Published in Journ. of Met., Vol. 5, No. 1, February 1948, pp. 1-19.)

UNIVERSITY OF CHICAGO, INSTITUTE OF TROPICAL METEOROLOGY,
AT UNIVERSITY OF PUERTO RICO

Item No.

1. "Isentropic Analysis in the Tropics," by C. O. Durham and W. E. Wright, Army (AF) Research Unit, Inst. of Tropical Met., Univ. of Chicago at Univ. of Puerto Rico, 1945, 40 pp. (Typescr) plus figs. *
2. "A Study of Easterly Waves," by C. O. Durham, et al., Army (AF) Research Unit, Inst. of Tropical Met., Univ. of Chicago at Univ. of Puerto Rico, 1945, 111 pp. (Typescr) plus maps. * (A revised version is designated as AWS TR 105-4, ATI-82074) (See: Bull. Amer. Met. Soc., April 1948, pp. 196-198.)
3. "Wind Roses and Resultant Winds," by Army (AF) Research Unit, Inst. of Tropical Met., Univ. of Chicago at Univ. of Puerto Rico, May 1945, 91 pp. *

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Item No.

1. "Preliminary Report on Proposed Cloud Research at MIT," April 1944, 4 pp. (Typescr) *
2. "Theoretical Comments on the Sea Breeze Circulations," Appendix A, by Bernard B. Haurwitz, M.I.T., AAF Research Weather Station, July 1944, 22 pp. (Typescr) plus figs. * (Published in Journ. of Met., Vol. 4, No. 1, February 1947, pp. 1-8.)
3. "Report of Unusual Activities," prepared by AAF Weather Station, M.I.T., 18 September 1944, 2 pp. (Typescr) plus charts. *
4. "Sea Breezes — A Survey of Literature," by AAF Weather Station, M.I.T., 5 October 1944, 20 pp. (Typescr) *
5. "A Solution of the Non-Linear Vorticity Equation for Atmospheric Motion," by Capt R. A. Craig, AAF Weather Station, M.I.T., 12 January 1945. (Published in Journ. of Met., Vol. 2, September 1945, pp. 175-178) *
6. "Technical Report on Coastal Breeze Investigation," AAF Weather Station, M.I.T., circa February 1945, 3 pp. (Typescr) *
7. "A Method for Forecasting the Tops of Non-Frontal Cumulus Clouds Formed Over the North Atlantic During Polar Outbreaks," by AAF Weather Station, M.I.T., 20 April 1945, 52 pp. (Typescr) plus figs. * (See: AWS TR 105-17, ATI-72846)
8. "Progress in Icing Research," by Edward J. Dolezel, et al. (Published in Bull. Amer. Met. Soc., Vol. 27, No. 6, June 1946, pp. 261-270.)

NEW YORK UNIVERSITY

Item No.

1. "A Method of Projecting 5000-ft Pressure Patterns to Sea Level Over the Plateau Region of the U.S.," Report No. 1, by Robert H. Little, AAF Weather Station, N.Y. Univ., September 1944, 16 pp. (Mimeogr) plus charts. *
2. "Project Report on Research Projects," by Robert H. Little, AAF Weather Station, N. Y. Univ., 28 September 1944, 8 pp. (Typescr) plus figs. *
3. "Progress Report on Research Projects," by Homer T. Mantis, AAF Weather Station, N. Y. Univ., 29 November 1944, 10 pp. (Typescr) plus figs. *
4. "A Study of the Effects of Divergence and Advection on Lapse Rate," by Robert G. Fleagle, AAF Weather Station, N. Y. Univ., 1944. (Published in Journ. of Met., Vol. 3, No. 1, March 1946, pp. 9-13.)*
5. "A Summary Code for the Analysis of Upper-Air Soundings," Report No. 2, prepared by AAF Weather Station, N.Y. Univ., December 1944, 17 pp. (Mimeogr) plus figs. *
6. "Determination of the Field of Vertical Motion in the Atmosphere," Report No. 3, by Robert G. Fleagle, et al., AAF Weather Station, N.Y. Univ., January 1945, 31 pp. (Mimeogr) plus figs. * (See: AWS TR 105-3, ATI-65132)
7. "Progress Report on Research Projects," by AAF Weather Station, N. Y. Univ., 31 March 1945, 3 pp. (Typescr) plus figs. *
8. "Objective Methods of Forecasting the Daily Minimum and Maximum Temperature," by Homer T. Mantis and Woodrow W. Dickey, Report No. 4, AAF Weather Station, N. Y. Univ., April 1945, 37 pp. (Mimeogr) plus figs. * (See: Mantis and Dickey, "An Objective Method of Forecasting the Daily Minimum Temperature," U.S. Wea. Bur., Wash. DC., 1946.)
9. "A Descriptive Study of the Field of Vertical Motion in a Colorado Low," by Robert G. Fleagle, Report No. 5, AAF Weather Station, N. Y. Univ., April 1945, 7 pp. (Mimeogr) plus figs. * (See: AWS TR 105-3, ATI-65132; and Fleagle, Journ. of Met., Vol. 4, No. 6, December 1947, p. 177.)
10. "Applications of Vertical Velocities to Forecasting Clouds and Precipitation," Report No. 6, by Robert G. Fleagle, AAF Weather Station, N. Y. Univ., May 1945, 36 pp. (Mimeogr) *
11. "Technical Report on Further Applications of Vertical Velocities to Forecasting Clouds and Precipitation," by Robert G. Fleagle, AAF Weather Station, N. Y. Univ., June 1945, 3 pp. (Mimeogr) *

NEW YORK UNIVERSITY
(Cont'd)Item No.

12. "Computation of Vertical Motion From Single-Station Observations," by Woodrow W. Dickey, a Preliminary draft of Report No. 2, AAF Research Unit, N. Y. Univ., July 1945, 10 pp. (Mimeogr) * (See: Panofsky and Dickey, Bull. Amer. Met. Soc., Vol. 27, No. 6, June 1946, pp. 312-313.)
13. "A Study of Cyclogenesis on the East Coast of Continents," by AAF Weather Station, N. Y. Univ., July 1945, 4 pp. (Typescr) plus figs. * (See: J. E. Miller, Journ. of Met., Vol. 3, No. 2, June 1946, pp. 31-44.)
14. "The Field of Vertical Motion in Selected Weather Situations," by Robert G. Fleagle. (Published in Trans. Amer. Geophys. Union, No. 26, 1945, pp. 359-366.)*
15. "On the Vertical Motion in the Atmosphere." Three papers: "Determination of the Field of Vertical Motion," by Robert G. Fleagle, et al., "A Descriptive Study of the Field of Vertical Motion in a Colorado Low," by Robert G. Fleagle, and "Computation of Vertical Motion From Constant-Pressure Charts," by James E. Miller. (Published as AWS TR 105-3, ATI-65132.)*
16. "A Study of the Effects of Vertical Motion and Advection on Upper-Air Temperatures," by Robert G. Fleagle. (A partial progress report of a research project sponsored by the U.S. Army, Navy, and Weather Bureau. First presented at the joint meeting of the AMS and the Inst. of Aeronautical Sciences in N. Y. City, January 1946.) Coll. of Eng., Dept. of Met., N. Y. Univ., March 1946, 12 pp. (Ozalid) *
17. "Vertical Motion and Associated Weather in a Seven-Day Winter Sequence," Dept. of Met., N. Y. Univ., June 1946 (Mimeogr) *
18. "Methods of Computing Vertical Motion in the Atmosphere," by H. A. Panofsky N. Y. Univ., 1946. (Published in Journ of Met., Vol. 3, No. 2, June 1946, pp. 45-49.)*
19. "On the Mechanism of Pressure Change in a Continental Anticyclone," by Robert G. Fleagle and James E. Miller. (A partial progress report of a research project sponsored by U.S. Army, Navy, and Weather Bureau.) Dept. of Met., N. Y. Univ., July 1946 (Mimeogr) * (See: Journ. of Met., Vol. 4, No. 6, December 1947, p. 170.)
20. "A Study of Vertical Motion in the Atmosphere." (A progress report of a research project sponsored by the AAF Weather Service, reported as of 1 December 1945.) Coll. of Eng., Dept. of Met., N. Y. Univ., February 1946, 70 pp. (Mimeogr) plus figs. *

NEW YORK UNIVERSITY
(Cont'd)

Item No.

21. "Extra-Tropical Cyclogenesis in the Pacific Coastal Region of Asia," by Homer T. Mantis and James E. Miller. (Final report of a research project sponsored by the AAF Weather Service.) Coll. of Eng., Dept. of Met., N. Y. Univ., March 1946, 45 pp. (Mimeogr) plus figs. * (Published in Journ. of Met., Vol. 4, No. 1, February 1947, pp. 29-34.)
22. "The Fields of Temperature, Pressure, and Three-Dimensional Motion in Selected Weather Situations," by Robert G. Fleagle, Coll. of Eng., Dept. of Met., N. Y. Univ., 1947. (Published in Journ. of Met., Vol. 4, No. 6, December 1947, pp. 165-185.) *
23. "Studies of Large Scale Vertical Motions of the Atmosphere," prepared by James E. Miller, et al. (Final report of a research project sponsored by the U.S. Army, Navy, and Weather Bureau.) Coll. of Eng., Dept. of Met., N. Y. Univ., January 1948, 109 pp. (Typescr). (Published in Meteorological Papers, Vol. 1, No. 1, N. Y. Univ., Coll. of Eng., July 1948, 49 pp. incl. refs.)*

A CHRONOLOGY OF AIR CORPS AND ARMY AIR FORCES
WEATHER REGIONAL ORGANIZATIONS 1937-1945

In contrast to the post-War Air Weather Service organization, the weather organization from 1937 to 1945 retained basically the same plan. It was established in 1937 on a regional basis covering only the U.S. As the War developed new regions were created, generally coincident with the overseas theater areas but in some cases extended to cover most of the rest of the World.

The World was divided into Weather Regions whose boundaries outside the U.S. coincided with theater boundaries. Normally one Weather Squadron with a specially tailored T/O and E, was assigned to each such Region, and each Region had a Regional Control Officer (RCO). Weather Squadrons were organized and equipped to collect weather data within their respective Regions and to make forecasts based upon this data and upon that received from other Regions. They are not to be confused with the Weather Reconnaissance Squadrons, which were assigned to theater Commands, and whose mission was to collect weather data over enemy territory and certain ocean areas to supplement the information obtained by the Weather Squadrons.

In the Continental United States, the North Atlantic, Alaska, the Caribbean, and the east coast of South America, Weather Squadrons and Regional Control Officers were under the command of the AAF Weather Wing. It would not have been practical to assign Weather Squadrons to the numbered Air Forces within the Continental U.S. in view of the overlapping of Air Force boundaries and the frequent changes of jurisdiction over airfields. As weather forecasting is dependent on world wide observations, it was believed inadvisable to charge an Air Force Commander with the responsibility for weather service in his area when he could only control a minute part of the facilities required to provide that weather service.

There was some reallignment of Weather Region boundaries from time to time and some Regions were consolidated as the theater changed; likewise Weather Squadrons were shifted or reorganized within some Regions. At the end of the War, the Regions were abolished and taken over by Provisional Weather Groups which had been created to take over those overseas areas which were to remain under military occupation.

1st WEATHER REGION

1st WEATHER REGION (Calif., Nevada, Utah, Arizona, and Wyoming): Activated 1 Jul 37
- 1 Oct 45

1st Wea Sqd: Activated 1 Jul 37
Assigned to Flight Control Command 14 Apr 43;
Reassigned to AAF Wea Wg 6 Jul 43 - 7 Sep 44

Redesignated 68th AAFBU (1st Wea Regn), 7 Sep 44 - Assigned to Continental
Wea Wg 1 Oct 45

2nd WEATHER REGION

2nd WEATHER REGION (N. Dakota, Minnesota, Wisconsin, Illinois, Indiana, Ohio,
Michigan, and Kentucky): Activated 1 Jul 37 - 1 Oct 45

2nd Wea Sqd: Activated 1 Jul 37
Assigned to Flight Control Command 14 Apr 43;
Reassigned to AAF Wea Wg 6 Jul 43 - 7 Sep 44

Redesignated 69th AAFBU (2nd Wea Regn), 7 Sep 44 - Inactivated 1 Oct 45

3rd WEATHER REGION

3rd WEATHER REGION (N. Mexico, Oklahoma, Texas, Arkansas, and Louisiana):
Activated 1 Jul 37 - 1 Oct 45

3rd Wea Sqd: Activated 1 Jul 37
Assigned to Flight Control Command 14 Apr 43;
Reassigned to AAF Wea Wg 6 Jul 43 - 7 Sep 44

Redesignated 70th AAFBU (3rd Wea Regn), 7 Sep 44 - Assigned to Continental
Wea Wg 1 Oct 45

4th WEATHER REGION

4th WEATHER REGION (Tennessee, N. Carolina, Mississippi, Alabama, Georgia, S. Carolina): Activated 16 Dec 40 - 1 Oct 45

4th Wea Sqd: Activated 16 Dec 40
Assigned to Flight Control Command 14 Apr 43;
Reassigned to AAF Wea Wg 6 Jul 43 - 7 Sep 44

Redesignated 71st AAFBU (4th Wea Regn), 7 Sep 44 - Assigned to Continental Wea Wg 1 Oct 45

5th WEATHER REGION

5th WEATHER REGION (Philippines): Activated 18 Nov 41 - Dec 42

Air Corps Detachment Weather, Philippines

Redesignated 5th Air Corps Sqd, Weather (Regional Control), 18 Nov 41

Staff were killed or captured - other shipments for this area were diverted to 7th Wea Sqd. Inactivation was recommended 8 Dec 42.

6th WEATHER REGION

6th WEATHER REGION (Panama): Activated 11 Dec 40 - Jul 45

Air Corps Detachment Weather, Panama: Activated 11 Dec 40

Redesignated 6th Air Corps Sqd, Weather, 18 Nov 41

Redesignated 6th AAF Sqd, Weather (Regional Control), 20 May 42 - Assigned to 6th AF Base Command 20 Jun 42

Redesignated 6th Wea Sqd (Regional Control), 14 Sep 42 - Reassigned to Hq Panama Command 5 Jul 43 and further assigned to 6th AF 26 Jul 43; Reassigned to Hq AAF Wea Serv 1 Jul 45

7th WEATHER REGION

7th WEATHER REGION (Hawaii, South Pacific and South West Pacific):
Activated 1 Jan 41 - 1 Dec 44

Air Corps Detachment Weather, Hawaii: Activated 1 Jan 41

Redesignated 7th Air Corps Sqd, Weather, 18 Nov 41; Absorbed by the 17th Wea
Sqd 18 Sep 42

1st PROVISIONAL WEATHER GROUP

1st PROVISIONAL WEATHER GROUP (West Pacific): Activated 2 Sep 44; became
independent 1 Dec 44 - 10 Feb 45

17th Wea Sqd: Assigned 4 Sep 44;
Reassigned to AAFPOA 10 Feb 45

7th Wea Sqd: Assigned 4 Sep 44;
Consolidated with 17th Wea Sqd 26 Nov 44

Inactivated 10 Feb 45 and responsibilities assigned to AAF Wea Serv POA 10 Feb 45

AAF WEATHER SERVICE, POA

AAF WEATHER SERVICE, POA (West Pacific): Activated 10 Feb 45 - Inactivated 20 Sep 45

17th Wea Sqd: Assigned 10 Feb 45 - Inactivated 20 Sep 45

8th WEATHER REGION

8th WEATHER REGION (Newfoundland, Eastern Canada, Greenland, New England):
Activated 15 Aug 40 - 1 Jul 45

Air Corps Detachment Weather, Newfoundland: Activated 15 Aug 41

Redesignated 8th Air Corps Sqd, Weather (Regional Control), 18 Nov 41 - Assigned
Flight Control
Command 14 Apr 43;
Reassigned to AAF
Wea Wg 6 Jul 43 and
Reassigned to Hq
AAF Wea Serv 1 Jul
45

9th WEATHER REGION

9th WEATHER REGION (Caribbean and South America): Activated 27 Jul 42 - Jul 45)

9th Wea Sqd: Activated 27 Jul 42
Assigned to Flight Control Command 14 Apr 43;
Reassigned to Air Transport Command 1 Jul 43;
Assigned to AAF Wea Wg 6 Dec 43;
Reassigned to AAF Wea Serv 1 Jul 45

AAF Wea Recn (Test) No. 1: Activated 12 Aug 42
Assigned to AAF Wea Wg 6 Jul 43

Redesignated 30th Wea Recn Sqd, 6 Dec 43 - Assigned to Air Transport Command
21 Dec 43

Redesignated 1st Wea Recn Air Route (Medium) ATC, 21 Aug 44 - Inactivated
21 Dec 45

10th WEATHER REGION

10th WEATHER REGION (China, Burma, India): Activated 1 Jun 42 - Oct 45

10th Wea Sqd: Activated 4 Jul 42 and assigned to 10th AF;
Reassigned to AAF Wea Serv 12 Oct 45

ALASKA (11th) WEATHER REGION

ALASKA WEATHER REGION: Activated 11 Jan 41

Redesignated 11th WEATHER REGION: 22 May 42 - 12 Oct 45

Air Corps Detachment Weather (Regional Control): Activated 11 Jan 41

Redesignated 11th Air Corps Sqd Weather (Regional Control): 26 Feb 42

Redesignated 11th Wea Sqd: 29 Jan 44 - Assigned to AAF Wea Serv 1 Jul 45

12th WEATHER REGION

12th WEATHER REGION (NW Africa; from Aug 44, Italy): Activated 24 Sep 42 - 12 Oct 45

12th Wea Sqd (Regional Control): Activated 24 Sep 42 and assigned to 12th AF;
Reassigned to AAF Wea Serv 12 Oct 45

Provisional Wea Sqd (12th AF): Activated 14 Sep 42 - Inactivated 24 Sep 42

13th WEATHER REGION

13th WEATHER REGION (NW Africa): Activated 8 Aug 44 - 13 Nov 45

13th Wea Sqd: Activated 8 Aug 44;
Assigned to AAF Wea Serv 25 Aug 45;
Inactivated 3 Nov 45

6583d Wea Gp (Prov): Activated 10 May 45 - Inactivated 1 Jul 45

15th WEATHER REGION

15th WEATHER REGION (Australia, New Guinea, Philippines): Activated 14 Apr 42
Inactivated 25 Oct 44
(functions assumed by
15th Wea Sqd)

15th Wea Sqd: Activated 22 Apr 42
Assigned to 6th AF Aug 42;
Reassigned to FEAF Wea Gp (Prov) 25 Oct 44

FEAF REGIONAL CONTROL AND WEATHER GROUP HQS (PROV)

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

15th Wea Sqd: 25 Oct 44 - Assigned to 2d Wea Gp 20 Sep 45

5231st Wea Sqd (Prov): Activated 25 Oct 44 - Inactivated 6 Dec 44

20th Wea Sqd: Activated 6 Dec 44 - Inactivated 30 Apr 45 (This Squadron is not
to be confused with 20th Wea Sqd (Africa)
under 20th Wea Regn)

16th WEATHER REGION

16th WEATHER REGION (NW Pacific, NW U.S., and Western Canada):
Activated 1 Sep 42 - 1 Jul 45

16th Wea Sqd: Activated 1 Sep 42
Assigned to Flight Control Command 14 Apr 43;
Reassigned to AAF Wea Wg 6 Jul 43;
Assigned to AAF Wea Serv 1 Jul 45

17th WEATHER REGION

17th WEATHER REGION (SW Pacific, New Zealand): Activated 18 Sep 42
Inactivated 26 Nov 44

17th Wea Sqd: Activated 18 Sep 42
Assigned to 1st Provisional Wea Gp 4 Sept 44

18th WEATHER REGION

18th WEATHER REGION (Great Britain): Activated 14 May 42 - 1 July 1945(?)

18th Wea Sqd: Activated in U.S. 14 May 42
Assigned to 8th AF 8 Jul 42;
Reassigned to ETO 23 Oct 43;
Assigned to AAF Wea Serv ETO 11 Aug 44;
Reassigned to ETO 16 Mar 45;
Assigned to AAF Wea Serv 12 Oct 45

19th WEATHER REGION

19th WEATHER REGION (West and NE Africa and Middle East):
Activated 30 Jun 42 - 19 Jul 45

19th Wea Sqd: Activated 30 Jun 42
Assigned to ATC 29 Sep 43;
Reassigned to USAFIME 6 Oct 43;
Assigned to AAF Wea Serv 19 Jul 45

20th WEATHER REGION

20th WEATHER REGION (West Africa): Activated 15 Apr 43 - Inactivated 1 Nov 43

20th Wea Sqd: Activated 15 Apr 43 - Inactivated 1 Nov 43 (The functions and personnel were absorbed by the 19th Weather Region)

21st WEATHER REGION

21st WEATHER REGION (From Jul 44 to 1 Jul 45 Western Europe): Activated in U.S. 19 Apr 43; Assigned to 7th Air Support Command 16 Oct 43 in England; Reassigned to 9th AF 21 Jul 44

21st Wea Sqd: Activated in U.S. 19 Apr 43 and assigned to Flight Control Cmd; Transferred to AAF Wea Wg 6 Jul 43; Assigned to 7th Air Support Command 16 Oct 43 and on 23 Oct 43 both were reassigned to ETO; 21st Sqd was assigned to 9th AF 21 Jul 44

Redesignated 9th AF Wea Serv: Assigned to AAF Wea Serv ETO 11 Aug 44; Reassigned to ETO 16 Mar 45

Redesignated 21st Wea Sqd and assigned to AAF Wea Serv 12 Oct 45

22nd WEATHER REGION

22nd WEATHER REGION (NE Brazil, So. Atlantic, West Africa): Activated 1 Jul 43 - 5 Feb 46

22nd Wea Sqd: Activated 1 Jul 43 and assigned to Air Transport Command; Reassigned to AAF Wea Wg 6 Dec 43; Assigned to AAF Wea Serv 1 Jul 45

23rd WEATHER REGION

23rd WEATHER REGION (Wyoming, So. Dakota, Iowa, Colorado, Nebraska, Kansas, and Missouri): Activated 1 Nov 43 - Sep 45

23rd Wea Sqd: Activated 1 Nov 43 and assigned to AAF Wea Wg

Redesignated 72nd AAFBU (23rd Wea Regn), 7 Sep 44 - Inactivated 1 Oct 45 and
72nd AAFBU became
independent as a "Special
Project Unit Detachment,"
1 Oct 45

24th WEATHER REGION

24th WEATHER REGION (S.E. US): Activated 1 Nov - 18 Sept 45

24th Wea Sqd: Activated 1 Nov 43 - 7 Sep 44

Redesignated 73rd AAFBU (24th Wea Regn), 7 Sep 44 - Inactivated 1 Oct 45

25th WEATHER REGION

25th WEATHER REGION (Virginia, W. Virginia, Maryland, Massachusetts, and District of Columbia: Activated 1 Nov 43 - Inactivated 1 Oct 45

25th Wea Sqd: Activated 1 Nov 43 - 1 Sep 44

Redesignated 74th AAFBU (25th Wea Regn), 1 Sep 44 - Assigned to Continental
Weather Wing 1 Oct 45

26th WEATHER REGION

26th WEATHER REGION (Area of Florida around AAF Tactical Center): Activated
10 Oct 43 -
Inactivated
18 Aug 45

26th Wea Sqd: Activated 10 Oct 43 - 3 June 44

Redesignated 902nd AAFBU 3 June 44 and assigned to Hq AAFTAC; Inactivated
1 Apr 45

AAF WEATHER WING

AAF WEATHER WING: Activated 14 Apr 43 (under Flight Control Command)

Hqs and Hqs Sqd, Wea Wg, FCC, is redesignated Hqs and Hqs Sqd, AAF Wea Wg, FCC, and reassigned to Hqs AAF, 6 Jul 43.

1st Wea Sqd: 6 Jul 43; Redesignated 68th AAFBU (1st Wea Regn) 7 Sep 44 - 1 Oct 45

2nd Wea Sqd: 6 Jul 43; Redesignated 69th AAFBU (2nd Wea Regn) 7 Sep 44 - 1 Oct 45

3rd Wea Sqd: 6 Jul 43; Redesignated 70th AAFBU (3rd Wea Regn) 7 Sep 44 - 1 Oct 45

4th Wea Sqd: 6 Jul 43; Redesignated 71st AAFBU (4th Wea Regn) 7 Sep 44 - 1 Oct 45

8th Wea Sqd: 6 Jul 43; Assigned to Hq AAF Wea Serv 1 Jul 45

9th Wea Sqd: 6 Dec 43; Assigned to Hq AAF Wea Serv 1 Jul 45

16th Wea Sqd: 6 Jul 43; Assigned to Hq AAF Wea Serv 1 Jul 45

21st Wea Sqd: 6 Jul 43; Assigned to Hq AAF Wea Serv 12 Oct 45

AAF Wea Recn (Test) No. 1: 6 Jul 43; Redesignated 30th Wea Recn Sqd 6 Dec 43 and assigned to ATC 21 Dec 43

22nd Wea Sqd: 6 Dec 43; Assigned to Hq AAF Wea Serv 1 Jul 45

23rd Wea Sqd: 1 Nov 43; Redesignated 72nd AAFBU (23rd Wea Regn) 7 Sep 44 - 1 Oct 45

24th Wea Sqd: 1 Nov 43; Redesignated 73rd AAFBU (24th Wea Regn) 7 Sep 44 - 1 Oct 45

25th Wea Sqd: 1 Nov 43; Redesignated 74th AAFBU (25th Wea Regn) 7 Sep 44 - 1 Oct 45

Redesignated as AAF Weather Service 1 Jul 45 and assigned to Hq AAF

Redesignated Air Weather Service 2 Sep 45

LIST OF DOCUMENTS PREPARED BY WEATHER PERSONNEL
ASSIGNED TO NON-WEATHER ORGANIZATIONS, 1941-45

SECOND AIR FORCE

Item No.

1. "Electrostatic Hazards on the B-29," [by H. E. Landsberg?], Operations Analysis Section, circa September 1944, 7 pp. (Typescr) figs. missing. *
2. "Lightning and Precipitation Static as Flying Hazards," by H. E. Landsberg and Lincoln La Paz, Report No. 10, 13 October 1944, 8 pp. (Mimeogr) plus figs. *
3. "Report on the Precipitation Static Conference held at Operations Analysis Section, 6 December 1944," 16 pp. (Mimeogr) *

THIRD AIR FORCE

2nd Weather Recon Squadron, Air Route (Medium)

Item No.

1. "Operational Procedure for Weather Observers," 24 September 1944, 27 pp. (Mimeogr) *

FOURTH AIR FORCE

Item No.

1. "Examination of a Practical Method of Finding Upper-Level [CAV] Trajectories," by C. A. Carlson, Jr. and S. M. Fomenko, Weather Central, circa 1944, 2 pp. (Mimeogr) plus charts. *
2. "A Consistency Check for Zonal-Index Forecasts," by Harry L. Wynn, 5-Day Forecast Section, 1944, 3 pp. (Mimeogr) plus figs. *
3. "Meteorological Study in Connection with Japanese Balloons," by Charles A. Carlson, 20 May 1945, 8 pp. (Mimeogr) *

FIFTH AIR FORCE

Item No.

1. "Philippine Rainfall Tables," by Weather Central, 10 December 1944, 9 pp. (Mimeogr) *
2. "Forecast and Verification for Various Tactical Operations in the Philippines, 1944-1945," by Weather Central, 8 pp. (Mimeogr) plus charts. *

EIGHTH AIR FORCE (see also 18th Weather Region)

Item No.

1. "Upper-Air Contour Charts," by Kenneth A. Willard, Weather Central, 19 May 1943, 17 pp. (Typescr) *
2. "Weight Charts for Pressure-Contour Analysis," by Lawrence Barker, 379th Bombardment Group (H), May 1945, 4 pp. (Typescr) *

NINTH AIR FORCE (see also 21st Weather Region)

Item No.

1. "Meteorological Survey: Aerial Photography Weather in Western Europe, Northwest Africa and Islands of North and Eastern Atlantic," 15 July 1945, 68 pp. plus charts. (Lithopr) *

67th Fighter Wing

Item No.

2. "Weather Forecasting and Map Construction From Local Aerological Data," by Benjamin V. Siegel, October 1944, 6 pp. (Mimeogr) plus figs. *

TENTH AIR FORCE

Item No.

1. "Notes on Meteorological Conditions Over the Air-Route, Dinjan-Chungking, Particularly in the Region of South West China," 24 June 1942, 4 pp. (Typescr) *
2. "Report on the India Meteorological Department," by Torgils G. Wold, 18 August 1942, 9 pp. (Typescr) *
3. "125 Round Trips Assam to China," by Robert L. Wright, Intelligence Bulletin #5, India-China Wing, ATC, 1 December 1943, 3 pp. (Typescr)*

TENTH AIR FORCE (Cont'd)Item No.

4. "Flying Weather in Central and Southern China," by Garfield R. Morgan, 3rd Photo-Mapping Squadron, 25 February 1944, 7 pp. (Typescr) *
5. "The Climate of Burma," by Cleveland W. Stauffer and George S. Banta, 1944, 21 pp. (Multilith) incl. charts *
6. "The Climate of Siam," by Ernest B. Kilertsen and George S. Banta, 1944, 16 pp. (Multilith) incl. charts. *

TWELTH AIR FORCE90th Photographic Reconnaissance WingItem No.

1. "Weather for Photo Pilots," July 1944, 47 pp. (Lithopr) *
2. "Cloud Observation Weather for Pilots," November 1944, 74 pp. (Lithopr)*

68th Reconnaissance Group

3. "Northwest African Weather," by Capt F. G. Shuman, 28 July 1943, 20 pp. (Typescr) *

THIRTEENTH AIR FORCEItem No.

1. "A Study of Tropical Variations," 23 June 1945, 16 pp. (Ozalid) plus charts. *

TWENTIETH AIR FORCEItem No.

1. "Visual Bombing Through Partial Cloud Cover," by Operation Analysis Division, 10 April 1945, 17 pp. (Mimeogr) *

311th PHOTO WING, MAPPING AND CHARTING

Item No.

1. "General Procedure for Combating Various Types of Icing on Aircraft Flight," 3 March 1944, 2 pp. (Mimeogr) *

1st Weather Recon Squadron, Air Route Medium

2. "Pressure Observations," SOP 105-9, 17 April 1945, 4 pp. (Mimeogr) *
3. "Cloud Sequence Photos," Vol. I, 1945. *
4. "Cloud Sequence Photos," Vol. II, 1945. *

53rd Recon Squadron (LR)

5. "Cloud Sequence Photos," Vol. I, 1945. *
6. "Cloud Sequence Photos," Vol. II, 1945. *

21st BOMBER COMMAND

Item No.

1. "Weather Conditions in Relation to Incendiary Bombing of Tokyo Area," by George S. Benton and H. E. Landsberg, 1945, 9 pp. (Typescr) plus maps. *
2. "Effect of Differential Ballistic Winds," by J. L. Hodges and E. L. Lehmann, Report No. 2, Operations Analysis Section, 8 January 1945, 6 pp. (Mimeogr) *

73rd BOMBARDMENT WING

3. "Report of an Unusual Incident During the Flight of B-29," 9 March 1945, 5 pp. (Ozalid) *

313th BOMBARDMENT WING

4. "Consolidated Weather Summaries, 16th through 28 May 1945." *

AAF 21st WINGItem No.

1. "Aids to Forecasting from 21st Wing Stations to POE's," circa 1944, 94 pp. (Mimeogr) *

USAAF PACIFIC OCEAN AREAS (AFPOA)Item No.

1. "Report on the Japanese Radiosonde (No. 1570), Captured Equipment," 31 May 1945, 5 pp. (Typescr) plus photos. *

U.S. ARMY STRATEGIC AIR FORCE (REAR)Item No.

1. "Investigation of Performance of AN/CPS-1A (MEW) of Saipan," by Donald E. Kerr and John P. Nash, 15 Jul 1945, 55 pp. (Ditto) plus figs. *
2. "An Analysis of B-29 Accidents Involving Adverse Weather Conditions," by Operations Analysis Division, 27 July 1945, 15 pp. (Mimeogr) *
3. "Incendiary Weather — Fire Gales — Incendiary Bombing Results," by H. E. Landsberg, Operations Analysis Section, 17 August 1945, 9 pp. (Mimeogr) *

FAR EAST AIR FORCE (FEAF)Item No.

1. "A Forecast of General Types for Mindanao," by George L. Landgren, Operations Analysis Section, 19 September 1944, 14 pp. (Mimeogr) *
2. "Ocean Current and Surface Wind Charts," by George L. Landgren, Operations Analysis Section, 25 October 1944, 4 pp. (Mimeogr) plus chart. *
3. "Pressure Tendency as an Aid in Single-Station Forecasting for Tropical Areas," by George L. Landgren and Gerard M. Leies, Operations Analysis Section, 26 March 1945, 14 pp. (Mimeogr) * (Redesignated as AWS TR 105-58, ATI-65149)

U.S. ICELAND BASE COMMAND

Item No.

1. "German Automatic Weather Station," Instrument Report No. 15, 7 April 1945, 3 pp. (Typescr) plus photos. *

AIR SERVICE COMMAND (Wright Field)

Item No.

1. "Administration and Operation," AAF Technical Order No. 00-25-27, Weather Station Handbook, 1 May 1943, 85 pp. (Letterpress) *
2. "Instrument Flying Technique in Weather," AAF Technical Order No. 30-100D-1, 1943; revised 1 January 1944, 73 pp. (Letterpress) *

ARMY AIR FORCES BOARD (AAFTAC) (Florida)

Item No.

1. "Hydrogen Generator, ML-314/TM, Operational Suitability Test of," Project No. (M-4) 544, 6 July 1944, 32 pp. (Mimeogr) plus illus. *
2. "Generator, ML-185, Operational Test of Modified Parts and Special Accessories For," Project No. (M-4) 576, 20 July 1944, 29 pp. (Mimeogr) plus illus. *
3. "Weather Stations, Mobile, Type SCM-1-T3 and Type SCM-1T4," 7 August 1944, 57 pp. (Mimeogr) plus photos, illus. *
4. "Radio Direction Finder SCR-658-T1," Project No. (M-4) 509, 5 September 1944, 97 pp. (Mimeogr) plus photos, figs. *
5. "Portable Meteorological Station AN/TM-1 (XO-1) and AN/TM-1 (XO-2)," Project No. 2957BC475, 6 January 1945, 253 pp. (Multilith) *
6. "Radar Storm Detection by Airborne Radar Set AN/APQ-13," Project No. 3730B413.44, 30 March 1945, 157 pp. (Multilith) *
7. "Fog Dispersal," Project No. 3197G475, 28 April 1945, 72 pp. (Multilith)*
8. "Meteorological Station, Portable, AN/TM-1 (XO-2)," Project No. 4449C413.6, 4 May 1945, 49 pp. (Multilith) *
9. "Radio Altimeter, SCR-718A, Suitability for Obtaining Meteorological Data," Project No. 3265B413.44, 9 May 1945, 127 pp. (Multilith) *

ARMY AIR FORCES BOARD (AAFTAC) (Cont'd)Item No.

10. "Code for Summarizing Analyses of Radiosonde Data," 7 June 1945, 124 pp. (Multilith) *
11. "Sferics Observations, Suitability for Use by AAF Weather Service," Project No. 4061B413.44, 5 July 1945, 49 pp. (Multilith) *
12. "Differential Ballistic Winds," Project No. 4483A373.11, 6 July 1945, 33 pp. (Multilith) *
13. "Radio Winds — Determination of Operational Accuracy," Project No. 4507B413.44, 25 October 1945, 78 pp. (Multilith) *
14. "Second Quarterly Report, Sferics Observations, Suitability for Use by AAF Weather Service," Project No. J-4061, 30 October 1945, 10 pp. (Typescr) plus illus. *
15. "Sferics Observations, Suitability for Use by AAF weather Service," Project No. 4061B413.44, 4 December 1945, 57 pp. (Multilith) *

AIR CORPS GARRISON SCHOOLItem No.

1. "Training Guide Meteorology," Vol. I, 1935, 131 pp. (Mimeogr) *
2. "Training Guide Meteorology," Vol. II, 1935, illus. (Photoprint) *
3. "Training Guide Meteorology," Vol. II, 1937, Revised, illus. (Lithopr) *
4. "Training Guide Meteorology," Vol. I, 1938, 264 pp. (Lithopr) *
5. "Training Guide Meteorology," Vol. II, 1938.

AIR CORPS WEATHER SCHOOL (Patterson Field)Item No.

1. "Ice Formation in the Atmosphere," by Don McNeal, August 1937, 14 pp. (Mimeogr) * (Reprint from Journ. of Aero. Sci., January 1937.)
2. "Physical and Dynamic Meteorology," 1 September 1937, 33 pp. (Mimeogr) *
3. "A Summary of Recent Theories on the Physical Processes of Precipitation," 1 February 1940, 16 pp. (Mimeogr) *
4. "Notes on Problems on Physical and Dynamic Meteorology," April 1940, 82 pp. (Mimeogr) *

AIR CORPS TACTICAL SCHOOL (Maxwell Field)

Item No.

1. "Meteorology Problems, 1937-1938," 24 pp. (Mimeogr) *
2. "Weather Conditions in Latin America and Caribbean Areas," 1940. (Multilith) *

Contents:

"Weather Conditions in Islands of the Caribbean Sea (Antilles) Bahamas, Cuba to Trinidad," 36 pp.

"Report and Discussion of Weather Conditions Along the West Coast of Tropical South America," by Floyd B. Wood, 12 April 1940, 9 pp.

"Notes on Central America Weather," 25 May 1940, 7 pp.

"The Weather and Climate of Central America and South America," by Floyd B. Wood, 15 April 1941, 53 pp.

3. "Weather Conditions in Hawaii," 1941, 82 pp. (Multilith) *
4. "The Climate of Pacific Asia," 1941, 147 pp. incl. tables, charts, maps. (Multilith) *
5. "Alaska Flying Weather," January 1942, 19 pp. (Multilith) plus maps. *
6. "Caribbean weather Characteristics and Methods of Analysis," by R. G. Stone, et al., February 1942, 165 pp. 29 folding charts. (Lithopr) *

AAF TECHNICAL TRAINING COMMAND, TECHNICAL SCHOOL (Chanute Field and Grand Rapids)

Item No.

1. "Method of Obtaining Isentropic Data From Radiosonde Observations," Appendix A to "Guide for Radiosonde Operators," [1942], 7 pp. (Mimeogr) *
2. "Air Mass Analysis," circa 1943, 57 pp. (Mimeogr) *
3. "Weather Instruments Workbook," 1943, 143 pp. (Lithopr) *
4. "Outline Notes for Air Mass Analysis," 15 March 1943, 53 pp. (Mimeogr) *

AAF TECHNICAL TRAINING COMMAND, TECHNICAL SCHOOL (Cont'd)Item No.

5. "Another Proposed Method for the Determination of the 10,000-Foot Tendency Field," by Lester Machta, circa 1943, 5 pp. (Typescr) *
(Published in Bull. Amer. Met. Soc., Vol. 25, November 1944, pp. 362-364.)
6. "Air Navigation for Meteorologists," 1 August 1943, Revised 1 February 1944, 89 pp. (Multilith) *
7. "Outline Notes for Air Mass Analysis, Part I," by Andrew W. Weston, 2nd Revision, 15 December 1943, 32 pp. (Lithopr) *
8. "Study Guide for the Course in Atmospheric Soundings," 3rd Revision, 1 March 1944, 53 pp. (Multilith) plus illus. tables, diagrams. *
9. "Radiosonde Guide for Weather Officers," 1 July 1944, with Radiosonde Code (USWB). *
10. "Notes for a Course on True Height Determination for High-Level Bombardment," August 1944, 20 pp. (Mimeogr) plus diagrams. *
11. "Course in Auxiliary Charts and Diagrams," 23 November 1944, 142 pp. (Mimeogr) *
12. "The Mean Virtual-Temperature-Altitude-Correction Chart," by L. Machta. (Published in Bull. Amer. Met. Soc., Vol. 25, No. 9, November 1944, p. 365.)
13. "Weather Training Conference, Chanute Field, 15-18 May 1945," 6 pp. (Mimeogr) *
14. "Training Project Outline," 1 June 1945, 7 pp. (Mimeogr) *
15. "Training Course Outline for Aerial Weather Observer Course," Tng. and Opn. Memo 50-97, 2 July 1945, 5 pp. (Mimeogr) *
16. "Syllabus for Aerial Weather Observer Course," 6 July 1945, 42 pp. (Mimeogr) *
17. "Syllabus for Aerial Weather Observer Sub-Course for Weather Officers (SSN 8218 or 8219)," 6 July 1945, 18 pp. (Mimeogr) *
18. "Vertical Currents in the Atmosphere," by Daniel Banes, 25 July 1945, 9 pp. (Typescr) plus chart. *
19. "Slope Evaluation for Iso-'D' Lines on a Vertical Cross Section," by J. London. (Published in Bull. Amer. Met. Soc., Vol. 27, No. 9, December 1946, pp. 590-592.)

AAF TECHNICAL TRAINING COMMAND, AIR INTELLIGENCE SCHOOL (Harrisburg, Pa.)

Item No.

1. "Weather and the S-2," 1943, 47 pp. (Mimeogr) *

AAF BARRAGE BALLOON SCHOOL (Camp Tyson)

Item No.

1. "Organization and Operation of Weather Station," July 1942, 74 pp. (Mimeogr) *
2. "Weather and the Barrage Balloon," July 1942, 74 pp. (Mimeogr) *

AAF TRAINING COMMAND, TECHNICAL SCHOOL, TRAINING INTELLIGENCE SERVICE (Chanute Fld)

Item No.

1. "Hydrometeorological Service of U.S.S.R.," 10 December 1943, 6 pp. (Mimeogr) *
2. "125 Round Trips: Assam to China," reprint by Joint Intelligence Agency, 26 January 1944, 3 pp. *
3. "Weather Forecasting in the USSR," 30 May 1944, 4 pp. (Letterpress) *
4. "Conditions Encountered in a Typhoon," 8 July 1944, 4 pp. (Letterpress)*

AAF TRAINING COMMAND, NAVIGATION SCHOOL (Hondo, Texas)

Item No.

1. "Meteorology Text," 1942, 66 pp. (Mimeogr) plus charts. *
2. "Playing with Fire," [by J. C. Fidler], published in Log of Navigation, February 1944, pp. 3-4. *

AAF TRAINING COMMAND, AAF INSTRUCTORS' SCHOOL (NAVIGATION)(Selman Field)

Item No.

1. "Navigation Weather Workbook," November 1944, 176 pp. (Lithopr) *
2. "Report on Results of Preliminary Evaluation on the 'D-Method' of Predicting the Winds," 17 December 1944, 7 pp. (Typescr) *

AAF TRAINING COMMAND, AF ADVANCED FLYING SCHOOL (Albuquerque AB)

Item No.

1. "Meteorology for Pilots," 1942, 38 pp. (Multilith) *

AAF TRAINING COMMAND, GROUND TRAINING GROUP (Randolph Field)

Item No.

1. "Instructor Handbook, Advanced Weather," 2nd Ed., 1 July 1944, 109 pp. (Letterpress) *
2. "The Altimeter," circa 1945, 20 pp. (Multilith) *
3. "Outline of Instructor Handbook — Clouds," 1 March 1945, 52 pp. (Letterpress) *

AAF TRAINING COMMAND, INSTRUCTORS SCHOOL (INSTRUMENT PILOT) (Bryan Field)

Item No.

1. "Weather Flight, Procedures and Planning," 1945, 23 pp. (Lithopr) *
2. "Weather Flight, Procedures and Planning," 1945, 27 pp. (Letterpress) *
3. "Flight Problem," February 1945, 26 pp. (Lithopr) *

AAF TRAINING COMMAND, AAF SCHOOL OF APPLIED TACTICS (Orlando)

Item No.

1. "Weather Briefing of Tactical Missions," by F.C.E. Oder, 1943, 15 pp. (Photostat) *
2. "Tactical Employment of Weather," by F.C.E. Oder, 1943?, 11 pp. incl. figs. (Mimeogr) *

AAF TRAINING COMMAND, 1596th AAFBU

Item No.

1. "Drift Correction Determination by Use of Pressure and Radio Altimeter for Navigational Use," by Leonard S. Halpert, circa November 1945, 16 pp. (Mimeogr) *

AAF TRAINING COMMAND TROPICAL WEATHER SCHOOL (Howard Field)

Item No.

1. "Dynamics of Tropical Cyclones," 1945, 34 pp. (Mimeogr) *
2. "Principles and Applications of Radar to Meteorology," by [Name], July 1945, 22 pp. (Mimeogr) *
3. "Weather in the Bay of Bengal, India, and Adjacent Areas," by [Name], 25 July 1945, 19 pp. (Mimeogr) *
4. "Present Status of Tropical Meteorology," 1945, 17 pp. (Mimeogr) *
5. "Field Notes of Tropical Meteorology," 1945, 50 pp. (Mimeogr) *
6. "Tropical Weather in the Bay of Bengal, India, and Adjacent Areas," by [Name], August 1945, 19 pp. (Mimeogr) *
7. "Introduction to Tropical Dynamics," by Carl A. Gigliardi, 24 August 1945, 3 pp. (Mimeogr) *
8. "Tropical Weather Analysis with Application of Sounding Principles to Clouds, Storms, Weather, and Forecasting," by Howard T. Odum, September 1945, 50 pp. (Mimeogr) plus figs. *
9. "Climate and Weather of Southeast Asia," by Robert D. Fletcher, 20 September 1945, 12 pp. (Mimeogr) *
10. "In-Flight Observations of the Intertropical Convergence Zone Near Panama," by [Name], Jungnickel, October 1945. (Mimeogr) *



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 "Susan A. Tarbell", is positioned above the typed name.

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