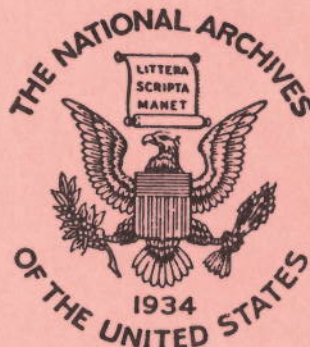


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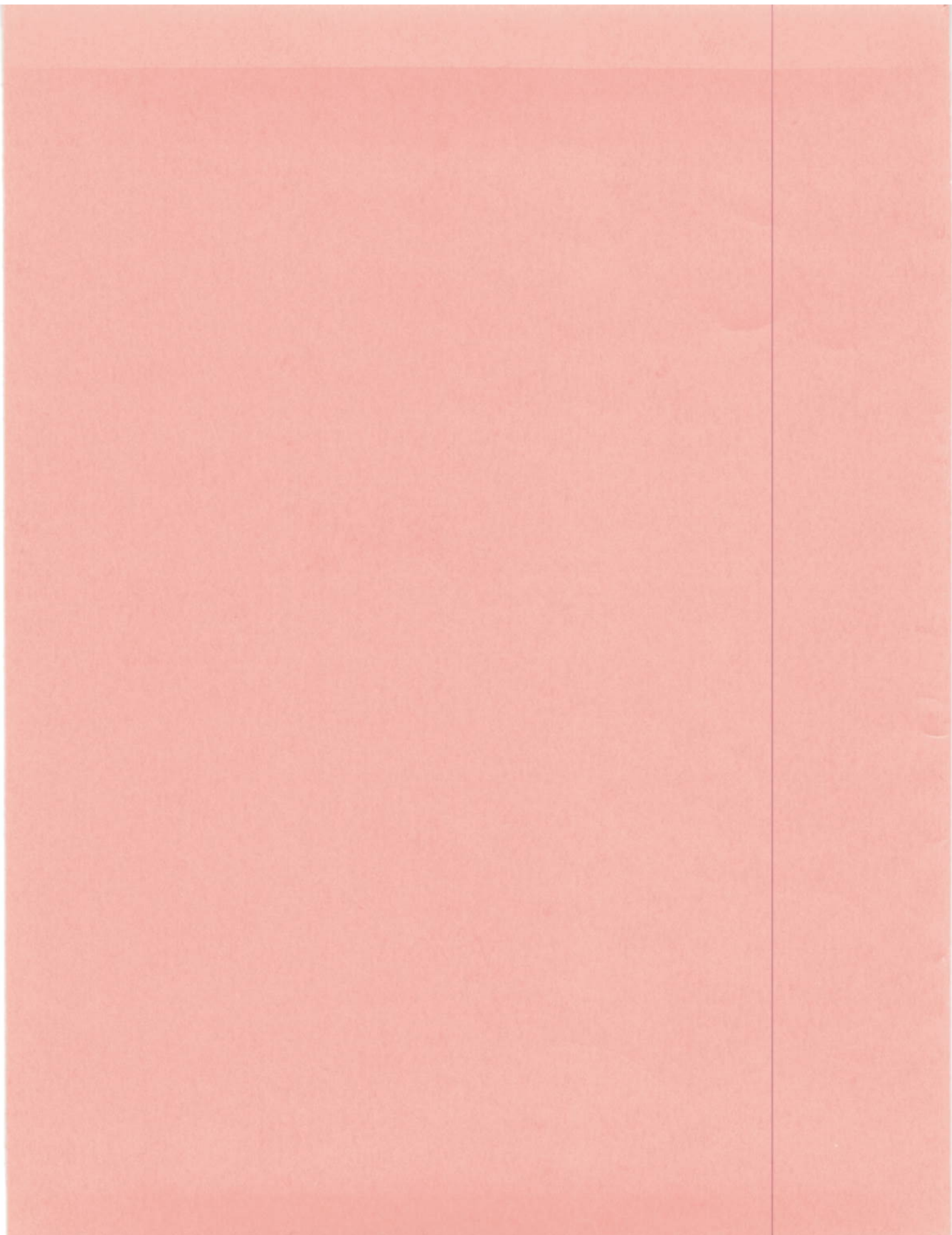
Number 165

CARTOGRAPHIC RECORDS OF THE AMERICAN
EXPEDITIONARY FORCES, 1917-21

Compiled by Franklin W. Burch

The National Archives
National Archives and Records Service
General Services Administration

Washington: 1966



PRELIMINARY INVENTORY OF THE CARTOGRAPHIC
RECORDS OF THE AMERICAN EXPEDITIONARY
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PI: 165

(Record Group 120)

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FOREWORD

GSA through the National Archives and Records Service is responsible for administering the permanent noncurrent records of the Federal Government. These archival holdings, now amounting to about 900,000 cubic feet, date from the days of the Continental Congresses; they include the basic records of the three branches of our Government--Congress, the courts, and the executive departments and independent agencies. The Presidential Libraries--Hoover, Roosevelt, Truman, and Eisenhower--contain the papers of those Presidents and many of their associates in office. Among our holdings are many hallowed documents relating to great events of our Nation's history, preserved and venerated as symbols to stimulate a worthy patriotism in all of us. But most of the records are less dramatic, kept because of their continuing practical utility for the ordinary processes of government, for the protection of private rights, and for the research use of students and scholars.

To facilitate the use of the records and to describe their nature and content, our archivists prepare various kinds of finding aids. The present work is one such publication. We believe that it will prove valuable to anyone who wishes to use the records it describes.

LAWSON B. KNOTT, JR.
Administrator of General Services

PREFACE

The first step in the records-description program of the National Archives is the compilation of preliminary inventories of the material in some 380 record groups to which the holdings of the National Archives are allocated. These inventories are called "preliminary" because they are provisional in character. They are prepared as soon as possible after the records are received without waiting to screen out all disposable material or to perfect the arrangement of the records. They are compiled primarily for internal use, both as finding aids to help the staff render efficient reference service and as a means of establishing administrative control over the records.

Each preliminary inventory contains an introduction that briefly states the history and functions of the agency that accumulated the records. The records themselves are described series by series, that is, by units of records of the same form or that deal with the same subject or activity or that are arranged serially. Other significant information about the records may sometimes be given in appendixes.

Several finding aids that give an overall picture of materials in the National Archives have been published. A comprehensive Guide to the Records in the National Archives (1948) and a brief guide, Your Government's Records in the National Archives (revised 1950), have been issued. A guide devoted to one geographical area--Guide to Materials on Latin America in the National Archives (1961)--has been published. Forty-four Reference Information Papers, which analyze records in the National Archives on such subjects as transportation, small business, and the Middle East, have so far been issued. Records of the Civil War have been described in Guide to Federal Archives Relating to the Civil War (1962)

and Civil War Maps in the National Archives (1964), those of World War I in Handbook of Federal World War Agencies and Their Records, 1917-1921 (1943), and those of World War II in the two-volume guide, Federal Records of World War II (1950-51). Genealogical records have been listed in Guide to Genealogical Records in the National Archives (1964). Many bodies of records of high research value have been edited by the National Archives and reproduced on microfilm as a form of publication. Positive prints of this microfilm, many of which are described in the List of National Archives Microfilm Publications (1965), are available for purchase.

ROBERT H. BAHMER
Acting Archivist of the United States

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INTRODUCTION

The United States declared war on Germany on April 6, 1917, and severed diplomatic relations with Austria-Hungary 2 days later. Maj. Gen. John J. Pershing was ordered to assume command of the American Expeditionary Forces on May 26, and on May 28 he and a small staff sailed from Hoboken on the White Star Liner Baltic. At General Headquarters, first established at Paris but moved in early September to Chaumont, initial plans were made for a general organization project, a service of the rear project, and a schedule of priority of shipments. Although these were modified as the war continued, they provided the basic structure for AEF participation in Allied operations against the Central Powers. The General Staff was organized into sections for Administration (G-1), Intelligence (G-2), Operations (G-3), Coordination (G-4), and Training (G-5). In February 1918 most staff services and departments were grouped for supply purposes under the Commanding General, Services of Supply, with headquarters at Tours.

The selection of the Lorraine front as the American sector of operations put the AEF in position to affect the outcome of the war by threatening the strategic railroad and industrial centers of Metz and Sedan. Division and corps organizations took form as American forces and supplies in France were built up. Battalions of the 1st Division were in the line in October 1917, but not until January 1918 did the division assume responsibility for an entire sector, the command over which was transferred from the French in February. American units helped to halt the 1918 German offensives that began on March 21 and participated in the Allied counteroffensives launched the following July. Plans for an American offensive in the St. -Mihiel salient were further developed after Allied successes made possible the creation of the American First Army, formed on August 10. Between September 12 and 15 the St. -Mihiel offensive achieved its objectives, and even before it was completed troops and supplies began moving to the Meuse-Argonne region for a series of offensives carried out by the First Army between September 26 and November 11. Some American divisions operated with British and French armies on other sectors of the front, and early in November the American

Second Army joined the general attack on the right of the First Army.

In accordance with the Armistice terms, British, American, and French armies occupied German territory west of the Rhine River and established bridgeheads, each with a radius of about 18 miles, east of the Rhine at Cologne, Coblenz, and Mainz. The American Third Army was designated the Army of Occupation on November 14, and its leading troops reached the Rhine on December 9 under the control of Advance General Headquarters at Trier. The Third Army was dissolved July 2, 1919; the remaining units were called American Forces in Germany, the last of which left in January 1923. The return of men and materiel to the United States was initiated shortly after the Armistice, and preparations for closing General Headquarters in France were completed during the summer of 1919. General Pershing's final report was dated Paris, September 1, 1919, although General Headquarters was maintained in Washington, D. C., until August 31, 1920.

Most of the maps in this record group were made, collected, or used at General Headquarters, but there was no single centralized map file. The nature of map files in the AEF was diverse and included stock for distribution, compilation and reproduction files, various operations files maintained for intelligence and planning purposes, technical and experimental project material, and products of post-Armistice collecting, copying, and compilation work for reports and historical purposes. After being returned to the United States, nearly three decades of military archival, intelligence, and historical arrangement preceded their accessioning by the National Archives.

The nearly 24,000 items in the record group fill about 192 drawers, or 72 linear feet, of map cases having a volume of 576 cubic feet. Slightly more than half the items are American in origin, and of these about half are records of the General Staff. The most numerous foreign records are French, comprising about half, and German, comprising about a third. The most significant records of German origin are annotated and manuscript maps, many captured by American troops during the military action.

This inventory generally follows the

arrangement of the records. American maps are described in twelve primary subgroups and thereunder by organization. Allied and enemy records constitute two primary subgroups, in which the records are described by nation and thereunder by organization. Thereafter, American, Allied, and enemy items have been grouped into series based on the subject matter of the maps. Within the series, items are described as follows: a) by chronological order for serial publications and maps whose submission was required at stated intervals; b) by scale and sheet name or number for sets of topographic and trench maps; and c) for most of the other series by area, broad subject classification, or previously existing numerical classification. Whenever possible, specific origins at all levels of organization have been determined for the American records; more general organizational origins have been determined for the foreign records. Additional details concerning the origin and arrangement of the maps will be found in introductory paragraphs to the major subdivisions of this inventory. Mapping activities are described in the introductory paragraphs for GHQ, G-2 and G-2-C.

Within the series, most place names are spelled with the form established by the United States Board on Geographic Names. If the Board has not established a particular spelling form, the place name is spelled as found on the map being described.

Appendix I is a glossary of terms used in appendixes II and III, general reference and subject guides to the series of American and foreign maps, the area coverage of which can be determined approximately by the origin of the series. Appendix IV lists foreign topographic and trench map series by area and scale.

In general, the arrangement of the maps described in this inventory parallels the arrangement of the large volume of textual material which constitutes the main body of AEF records in Record Group 120. The textual records are described in the National Archives' Preliminary Checklist Number 35, Records of the Headquarters, American Expeditionary Forces, 1917-1921 (Washington, 1946), and in manuscript drafts of inventories to be published by the National Archives.

Other records created by various units of the AEF are in RG 77, Records of the Office of the Chief of Engineers; RG 111, Records of the Office of the Chief Signal Officer; and RG 156, Records of the Office of the Chief of Ordnance.

In addition to AEF cartographic and textual records in the National Archives, there are also photographic records. The Catalogue of Official A. E. F. Photographs Taken by the Signal Corps, U. S. A., published in 1919 by the Historical Branch, War Plans Division, General Staff, lists captions of photographs and indexes them by unit, person, place, and subject. Motion pictures of the AEF are described in the National Archives' Special List Number 14, List of World War I Signal Corps Films (Washington, 1957).

Textual material from AEF files and map illustrations may be found in a 17-volume documentary publication, United States Army in the World War, 1917-1919, prepared by the Historical Division, Department of the Army (Washington, 1948).

In addition to AEF reports published immediately after the war, a number of other works, available in many public and private libraries, contain information that will facilitate the use of AEF records. They include the studies published between 1918 and 1922 by the Historical Branch, War Plans Division, General Staff, in its "Monograph Series." These deal with German tactics, economic mobilization and economic agencies in the United States, troop and battle frontage, particular operations, Services of Supply organization, and Signal Corps and Air Service activities. A compilation of information on command and staff personnel and units, with a summary of events, is contained in the following two volumes prepared by the Historical Section, Army War College: Order of Battle of the United States Land Forces in the World War, American Expeditionary Forces; General Headquarters, Armies, Army Corps, Services of Supply, and Separate Forces (Washington, 1937) and Order of Battle of the United States Land Forces in the World War, American Expeditionary Forces; Divisions (Washington, 1931). Other volumes in the same series relate to the Zone of Interior. A valuable introduction to AEF operations with useful cartographic material is the American Battle Monuments Commission's American Armies and Battlefields in Europe, A History, Guide, and Reference Work (Washington, 1938). The Commission has also published summaries of divisional operations.

A brief bibliography of other published source material relating to World War I may be found in the Department of the Army's Guide to the Writing of American Military History (Washington, 1951).

RECORDS OF GENERAL HEADQUARTERS

Most of the material described in this subgroup was prepared by sections of the General Staff. Included also are maps resulting from technical engineer activities and maps by Advance GHQ.

GENERAL RECORDS

1. OPERATIONS MAPS ACCOMPANYING REPORT. 1918. 2 items.

Colored overprints on 1:100,000 base maps of the St.-Mihiel and Meuse-Argonne areas, prepared to accompany the November 20 report of the Commander in Chief and showing the daily lines of advance, locations of divisions in line, lines of French colonial troops, and enemy defense lines. Railroads are also shown on the Meuse-Argonne map.

2. COMMUNICATIONS NETWORK DIAGRAM. 1918. 1 item.

An annotated blueprint made by the GHQ Post Signal Officer, showing telephone lines and stations in the Chaumont area.

3. MAPS RELATING TO OPERATIONS IN NORTHERN RUSSIA. n.d. 14 items.

Processed 1:420,000 sheets of parts of the Archangel region made by the North Russian Expeditionary Force Mapping Section and similar 1:420,000 sheets of the same area, some of which are annotated, made by the Allied Mapping Section. American units participated in the operations, which were under British command.

4. "INSTRUCTIONS CONCERNING MAPS." 1918. 1 item.

A printed 40-page booklet describing maps and aerial photographs and their use, with index maps.

THE GENERAL STAFF

The United States entered the war with no permanent troop organization larger than a regiment, hardly any intelligence personnel, and a General Staff restricted by statute to 55 officers. The General Staff was increased to 91 officers in May 1917. The British and

French, however, during 3 years of war, had tested and perfected their staff organizations and mapping services. Benefiting from their experience, the AEF adopted the British intelligence organization as a general pattern--thereby placing map supply as well as topographic and ranging work under the intelligence section--and followed French practices in most technical matters relating to maps. Personnel from civilian mapping agencies, particularly the Geological Survey, contributed to Engineer mapping services throughout the war. General Orders No. 8, July 5, 1917, and No. 31, February 16, 1918, completed the organizational structure of the AEF General Staff. Various implementing orders, regulations, and instructions prescribed in detail the use of maps.

The maps described in the following entries are arranged according to the organizational structure of the General Staff and reflect the cartographic activities of the various sections.

G-1 (ADMINISTRATIVE SECTION)

The chief activities of G-1 related to personnel, supply and tonnage, organization, and equipment. At army and corps levels, G-1 ordinarily produced maps relating to circulation; i. e., traffic and supply movement, billeting and camps, and administrative areas. The items described below were made under the direction of GHQ, G-1.

5. ADMINISTRATIVE MAPS. 1918. 2 items.

Printed maps of France, one with color added, showing sections of the Services of Supply, chief railroads, locations of AEF facilities, and, on an inset map, divisional training areas.

6. "MAP INDEX OF FRANCE." 1918. 2 items.

A 244-page volume listing French cities and towns (except those in Lorraine and Corsica), the departements in which they were located, and their coordinates and sheet numbers on French 1:200,000 maps (entry 385). The index is accompanied by a 1:1,265,000 Taride map of France, overprinted with the grid coordinates of the 1:200,000 sheets.

G-2 (INTELLIGENCE SECTION)

At GHQ, G-2 operated through sections for information (G-2-A), intelligence (G-2-B), topography (G-2-C), and press (G-2-D). At the end of the war several of the nine subsections of G-2-A were regularly producing serial maps. Many of these were based on intelligence information that flowed from all levels to G-2. Among division intelligence activities were the collection of military information and combat intelligence, map reproduction and distribution, and counterespionage. Corps G-2 carried out similar activities and extended them by controlling aircraft, balloon, and other observation posts, utilizing artillery information and sound and flash ranging services, and engaging in aerial photo interpretation and restitution. Army G-2 further extended corps activities by compiling data for plans directeurs, making field surveys, and collecting radio intelligence data. Current information about the enemy thus passed back and forth, collected by many organizations and distributed in graphic form on maps that were usually prepared in multiple copies by overprinting standard topographic sheets. Details of enemy defenses, positions, artillery activity, and order of battle were of particular interest to higher commands, and large-scale maps of artillery objectives and enemy positions were prepared for field commanders.

General Records

7. MAPS ACCOMPANYING REPORTS FROM MILITARY MISSIONS. 1918-19. 29 items.

From the Military Mission at Archangel, manuscript and processed maps dated November 1, 1918, showing the comparative strength and distribution of Allied and Bolshevik forces on the Archangel and Murmansk fronts; from the Belgian Military Mission, a Belgian printed map showing bombardment objectives in occupied parts of Belgium; from the Italian Military Mission, an annotated map showing lines in northern Italy between June 15 and 18, 1918, and the location of Italian Army units in February 1918; from the Paris Military Mission, a number of manuscript, printed, and annotated maps, photographs, and textual material to accompany a study of ports, lines of communications, and training centers.

8. MAPS ACCOMPANYING REPORTS OF MILITARY ATTACHÉS. 1917-19. 7 items.

From the Berne Military Attaché, a manuscript sketch showing German troop positions south of the Baltic Sea and west of the Niemen

River, March 1, 1919; from the Copenhagen Military Attaché, an undated (probably Dec. 1918) manuscript sketch showing unidentified positions and works east of Sestroretzk; from The Hague Military Attaché, processed sketches showing positions of German Army divisions on the Western Front, July 31 and November 2, 1917; from the Lisbon Military Attaché, a printed index map for the "Carta dos Arredores de Lisboa"; from the Rome Military Attaché, joined 1:200,000 sheets annotated to show frontlines in the Balkans; and from the Finnish Legation in Washington, a photocopy of a map showing the positions of Finnish, Estonian, and Bolshevik forces in Estonia, March 29, 1919.

9. ST.-MIHIEL AND MEUSE-ARGONNE OPERATIONS MAPS. 1918. 3 items.

Two 1:100,000 base maps, similar to those described in entry 1, overprinted and annotated to show the St.-Mihiel offensive lines; and a 1:200,000 base map overprinted to show the Meuse-Argonne offensive lines.

10. POPULATION, BOUNDARY, AND ROAD MAPS. 1918. 8 items.

A map prepared by the Chief of the Serbian Military Mission to Italy for forwarding to G-2, consisting of the Budapest and Trieste 1:1,000,000 British GSGS sheets annotated to show population and proposed frontiers for some towns and provinces in the region around Trieste; a map of European Russia annotated to show some details of population, August 25; and an annotated map and manuscript sheets for a study made in April of roads in the German sector west of Armén-tières and the surrounding area.

11. MATERIAL RELATING TO THE ARGONNE AND LUXEMBOURG. 1918. 3 items.

A 155-page printed booklet with a 32-page supplement listing places, their coordinates for locations on plans directeurs and other maps, and their general location in the Argonne-Verdun district; and a 15-page printed booklet with maps describing the legislative and executive organization of the grand duchy of Luxembourg and giving information about the city.

G-2-A (Information)G-2-A-1 (Order of Battle)

12. ENEMY ORDER OF BATTLE MAP--WESTERN FRONT, NOVEMBER 11. 1918. 1 item.

Joined 1:200,000 French topographic sheets in six pieces annotated to show at 11 a. m. the enemy divisions, their quality, higher organi-

zations and their commanders, the Armistice line, the Hindenburg and other defensive lines, and the extent of the 1918 German offensive.

13. ENEMY ORDER OF BATTLE MAPS--
WESTERN FRONT. 1917-18. 333 items.

A set of 1:600,000 French topographic sheets overprinted to show the order of battle of divisions in line and in reserve and higher organizations from the North Sea to the Swiss border on August 14 and October 13, 1917, on 62 days between November 1, 1917, and August 20, 1918, and daily from August 22 to November 12, 1918. A few copies are annotated. A set of 1:200,000 base maps and some 1:80,000 maps overprinted to show the order of battle on January 10, 1918, and on certain days between February 7 and August 18, 1919, principally in June and July. Included is an annotated tabulation of the American and German order of battle, September 26-November 11.

14. ENEMY TROOP MOVEMENT MAPS--
WESTERN FRONT. 1917-18. 89 items.

Printed sketch maps and overprinted base maps, some of which accompanied "Summary of Information" or "Summary of Intelligence," showing information relating to German troop movements between March 22 and August 14, 1918, including transfers, the April 14 attack on Merkem, relief, withdrawals, progress, the character of divisions, assembly points, and marches; a printed map showing home garrisons of the German army accompanied by a list of garrison towns and units; charts showing details concerning German divisions in reserve on August 24, 1918, and the German and American daily order of battle from September 25 to November 11, 1918; blueprints showing by division and by month the length of time and line and the character of service of German divisions between July 1917 and August 1918; and a variety of annotated maps and one manuscript map showing movements on the Western Front and between the Western and the Eastern Fronts from October 1917 to January 1918, on the Western Front for certain times during the period May-October 19, 1918, and possible reinforcements in the St.-Mihiel and Meuse-Argonne areas.

15. ENEMY FORCES MAPS--EASTERN
FRONT. 1917-19. 26 items.

Annotated and manuscript maps showing the disposition of forces in northern, eastern, and central Russia, particularly in northern Russia between December 1, 1918, and May 1919; printed and annotated maps showing the situations in

eastern Europe, Caucasia, and central Asia between August 1918 and January 1919, in Finland and northern Russia in August 1918, and at the battles around Riga in August 1917 and February 1918; and printed and annotated maps showing lines on the Russo-Rumanian Front in July and August 1917.

G-2-A-2 (Artillery Materiel, Economics,
and Translations)

16. MINERAL RESOURCES MAP. 1918. 1 item.

A 1:75,000 Austro-Hungarian topographic sheet showing the area around Ratschach (now northwestern Yugoslavia), with some annotations relating to minerals and a note concerning the translation.

17. LORRAINE IRON FIELD MAPS. 1918.
2 items.

Printed maps, one with color added, showing underground and open mines and the 1913 tonnage for individual and groups of mines.

G-2-A-3 (Enemy Works)

18. GERMAN DEFENSIVE LINES MAP.
1918. 1 item.

A 1:50,000 topographic map overprinted to show German defensive lines in the St.-Mihiel salient, March 1.

19. FRONTLINE MAPS. 1918. 31 items.

Base maps overprinted to show frontlines on the Marne, east to Reims and west to Montdidier, between May 27 and June 12, July 15-24, and July 25-August 2; related annotated maps; maps showing similar information for the area from Ypres to south of St.-Quentin in March and April and for the Somme battlefield between September 6, 1914, and March 20, 1918; annotated maps showing lines and positions on the Italian Front; and overprinted maps showing fronts and occupied and contested cities in Russia and Asiatic Turkey in April 1918.

20. ALLIED AND ENEMY ACTIVITY MAPS.
1918. 247 items.

Sketch maps on a 1:1,000,000 scale annotated to show on the Western Front daily raids, patrols, shelled areas, gas and aerial bombardment, and other details between May 17 and November 10; similar manuscript compilation maps for September 12-15; base maps with similar information overprinted for approximately weekly intervals between May 1 and November 5; annotated maps for various intervals between March 10 and November 5; a chart of enemy activity pre-

21. ENEMY WORKS MAPS. 1918. 66 items.

22. TRANSPORTATION AND MOVEMENT
MAPS. 1918. 87 items.

23. GEOLOGIC AND WATER-SUPPLY MAPS.
1918. 24 items.

24. TOWN PLANS. 1918. 2 items.

25. INDEX MAP, 1918. 1 item.

G-2-A-6 (Radio Intelligence)

French 1:80,000 topographic sheets over-

27. ENEMY FIELD RADIO STATION MAPS.
1918. 114 items.

G-2-A-7 (Air Intelligence)

28. ENEMY AIRDROME MAPS, 1918. 28 items.

Printed maps showing the location of German airdromes with lists containing additional information about buildings and flights for May 1 and June 1; an incomplete set of 1:200,000 base maps overprinted to show airdrome locations in various sectors between the Argonne and Switzerland at intervals between July 10 and November 2; a 1:600,000 base map annotated to show changes in accommodations and airdromes confirmed by photographs and considered occupied August 1-28; an annotated 1:200,000 base map for September 9 showing pursuit, reconnaissance, and home defense flights, photographic units, aircraft parks, and occupied airdromes at which no flights

were identified, principally in the Rhine Valley from Strasbourg to Basel.

29. BOMB TARGET MAPS. 1918. 50 items.

Annotated, photocopy, and blueprint maps showing Allied bomb hits on installations in various cities; manuscript and printed sketches of the Metz forts and important targets; annotated maps of targets and flights in the Metz area; and charts showing tonnage and targets of aerial bombardment by U. S. squadrons in August and September and by the British Independent Force bombardment, June through October.

30. EXHIBITS TO ACCOMPANY THE AIR ORDER OF BATTLE SECTION REPORT. 1918. 94 items.

An incomplete set consisting of bound volumes and loose sheets of annotated maps and charts showing enemy air activity in daily summary form, the markings of German airplanes, locations of units at the Armistice, airdromes, flight paths, balloon ascensions, and Allied sectors bombarded from April through October.

31. EXHIBITS TO ACCOMPANY THE BOMB TARGET SECTION REPORT. 1918. 26 items.

An incomplete set of maps and aerial photographs including numbered target maps for the British Independent Air Force and the French Group of Armies of the East; general and detailed maps of German antiaircraft installations in target areas; a printed railway map of Germany; an annotated map and production list for steel works in Lorraine, Luxembourg, Belgium, and the Saar Basin; and aerial photo mosaics of the Saar Valley from Dillingen to Brebach and of Luxembourg.

32. AERIAL PHOTO MAPS AND MOSAICS. 1918. 79 items.

For industrial and strategically located cities in France, Belgium, Luxembourg, Alsace-Lorraine, and Germany--a set of aerial photo mosaics, a set of printed aerial photo mosaics (most of which are accompanied by printed French target maps), and a few printed aerial photo mosaics with supplementary overprinting.

G-2-B (Intelligence)

33. MAP SHOWING BOLSHEVIST ACTIVITY. 1919. 1 item.

A 1:3,000,000 base map of part of Europe, dated February 1, annotated to show Bolshevik activity and the decrease of such activity in certain German cities for the weeks ending January 4-February 1.

G-2-C (Topography, Map Supply, Sound and Flash Ranging)

The highest authority for maps in the AEF was G-2-C, which in addition to the facilities directly under its control utilized the French Service Géographique and the Groupes de Canevas de Tir, the British Expeditionary Forces GHQ "Maps," the Italian Istituto Geografico Militare, French commercial products, captured maps, and maps obtained from military missions on Allied staffs and from the General Staff in Washington. Much of the basic cartographic material used by the AEF was supplied by the Allies; not only did they have topographic coverage impossible for the AEF to duplicate in a short time, but they provided many mapping services for American units under their command. Even after the creation of the American First Army, Allied maps were necessary for combined operations and to provide information about those services which continued to be furnished by the Allies.

In the AEF, all survey and printing troops and sound and flash ranging companies were part of the 29th Engineer Regiment. A limited number of maps were produced for staff requirements during 1917 as more officers, enlisted men, and civilians arrived from the States. On December 3, 1917, a company of the 29th Engineers arrived at Langres and began installing the Base Printing Plant in part of the Turenne Barracks. During the spring and summer of 1918 the lithographic and photographic equipment at Chaumont was transferred to Langres. A printing plant organized for the First Army at Neufchâteau went into operation before the Meuse-Argonne offensive, for which the French Second Army and the Base Printing Plant also supplied maps. French armies had previously furnished tracings of plans directeurs from which plates were made at Langres. A printing plant for the Second Army was installed at Toul. Between July 1 and November 11, 1918, more than five million maps were used by the AEF. For the occupation of Germany the Third Army plant at Coblenz and the Base Printing Plant reproduced German and French maps. Before the plants were dismantled for shipment home in June 1919, an experimental mobile army printing train had been given a month's field test.

Two complete battalions of the 29th Engineers and additional companies were in France at the end of the war, but there was no regimental organization. G-2-C was responsible not only for the planning, direction, and supervision of the 29th Engineers, but also for their routine administration, training, equipment, and supplies. In addition to the work at GHQ and the

Base Printing Plant, G-2-C also furnished topographic officers from the 29th Engineers to division headquarters. Later, when personnel could not be spared, topographic instruction was given to division personnel. Corps and divisions received a total of 19 officers and 72 enlisted specialists from the 29th Engineers.

The chief technical work of G-2-C was the adaptation of existing maps, and this involved the compiling of data and redrafting. Topographic surveys were relatively few because before 1918 French and British armies had joined their surveys to the original triangulations, and large-scale maps based on many sources, including aerial photographs, were available. American work in general followed the methods of the U. S. Geological Survey. About 390 square kilometers of 1:10,000 plane table surveys were done for the French, and other surveys were for plans directeurs of divisional training areas, schools and training grounds, building construction, railroads, and artillery fire control. In all, 74 surveys covering 1,860 square kilometers were completed between September 1, 1917, and June 1, 1919. Although France was covered by two primary triangulation systems, one was not complete and not coordinated; this condition necessitated some additional primary, secondary, and traverse triangulation work.

Several map projections were in use during the war. The Bonne projection was used for the French General Staff 1:80,000 maps and the enlargements thereof, as well as on smaller-scale maps. The British found the Bonne at 1:20,000 unsatisfactory and near the end of the war were preparing to redraft extensively on the Lambert projection. The Germans used a polyhedral projection that was complicated by having a different origin and grid system for each group of armies. Scales for American maps (established by General Order No. 60 of November 13, 1917) followed the French. None of the armies were prepared for trench warfare in 1914, and all lacked adequate large-scale maps. It was found during the years of trench warfare that 1:20,000 was a suitable scale for most operations of a division, 1:40,000 or 1:50,000 for a corps, and 1:80,000 or 1:100,000 for an army. During the more open warfare of the last months some divisions advanced rapidly enough to overrun the boundaries of several 1:20,000-scale maps.

Advances in map-reproduction methods during the war included the use of a rotary lithographic press with zinc plates, reproduction without redrafting through the use of the wet-plate camera, and, near the end of the war, the

development of mobile printing units. Near-print processes such as blueprint, Dorel, cyclostyle, hectograph, jelly roll, and mimeograph accounted for a substantial amount of the total American output. Experiments with relief maps and visibility studies served tactical purposes. It was well recognized that the greatest advance in map making, especially for intelligence purposes, had come from the use of aerial photographs.

General Records

34. BASE, RAILROAD, AND OTHER MAPS. 1918-19. 23 items.

Printed small-scale outline maps of France and central Europe, the latter also showing transportation lines; maps of railroads in eastern France and western Germany; a plan of Chaumont; instructions for collecting new information to be shown on plans directeurs; various printed maps showing some German raids, trenches, and other details; a printed map showing French observatories around Ansauville; a sketch of the European battlefronts superimposed on a map of the United States; and printed Italian maps with annotations showing frontlines and positions on the Italian Front.

35. TOPOGRAPHIC SURVEYS. 1917-19. 33 items.

Printed, processed, and blueprint sheets of surveys of proposed sites for airdromes, hospitals, water supply and drainage systems, the Langres tank field, the Liffol-le-Grand freight yards, Chaumont yards and camp, a section of land near Chalindrey, and Belleau Wood.

36. PANORAMIC SKETCHES. 1918. 5 items.

Printed and manuscript panoramic sketches, some in color and with equivalent map sector, showing views south from Hill 193, northwest from Broussey, northwest from a point near Flirey, northwest from Rambucourt, and north from Bouconville.

37. CATALOGS, INDEX MAPS, AND RELATED MATERIAL. 1917-19. 172 items.

A printed copy of "Catalogue of Maps," which is a list of maps issued by G-2-C arranged by area, scale, and subject with a table of scales and 33 index maps; a large number of unarranged printed, annotated, and manuscript index maps relating to the indexing, distribution, and planning work of G-2-C; loose printed and manuscript sheets of conventional signs, a booklet of signs and abbreviations used on French and German maps, and a booklet prepared by the 318th

Engineer Regiment of signs used on British and French maps; folders of translated notes on German maps, translations of map terms, and lecture material on French maps; and a booklet entitled "Methods for the Computation of Triangulation on the Grid System."

29th Engineers

38. TOPOGRAPHIC SURVEYS. 1917-19.
14 items.

Printed, processed, and blueprint sheets of surveys of sites for hospitals, of the St.-Nazaire and Buzancy areas, the training grounds near Fort-de-Reigny, the Clamecy training ground, the Épinal motor park, and the Vinets flying field.

39. TOPOGRAPHIC AND OTHER MAP COMPILATIONS. 1918. 34 items.

Compiled from French sources are a 1:50,000 Metz sheet, 1:20,000 plans directeurs, a Château-Thierry 1:20,000 plan directeur, and maps of camp areas and practice grounds. Compiled from German sources is a plan of Coblenz; reprinted from German sources are sketches of the artillery telephone system from the Metz group and of the signal system of the 14th Division.

Base Printing Plant

40. BASE AND OTHER PRINTED MAPS.
1918-19. 37 items.

Various maps of Europe, France, Germany, Eastern Europe and Asia, and the Archangel area; a map showing fronts in Albania, July 6-August 25, 1918; a map showing garrisons of the German Army; a 1:50,000 Thiaucourt sheet; various reproductions of captured German maps; town plans of Coblenz, Coulommiers, Langres, Luxembourg, Thionville, and Trier; a map showing the Moselle River crossings between Coblenz and Hauconcourt; a tour map of the St.-Mihiel salient for the Visitors' Bureau; a small-scale physiographic diagram of the western theater of war; and a sound-ranging record for a few seconds before and after 11 a. m. on November 11, 1918.

41. MAPS OF DIVISIONAL TRAINING AREAS.
1918. 25 items.

Manuscript outlines and one printed map of roads and towns in divisional training areas on a scale of 1:80,000.

42. PHOTO RELIEF MAPS. 1918. 38 items.
Printed reproductions of photographs of

1:50,000 topographic sheets designed to show relief, consisting of French and Base Printing Plant sheets and a composite map of the Base Printing Plant sheets of the Meuse-Argonne area.

43. REPRINTS OF FRENCH MAPS.

1918. 275 items.

Sheets of the 1:200,000, 1:80,000, 1:50,000, and special 1:50,000 topographic maps; base and trench overprints of the 1:20,000 plans directeurs; trench overprints of the 1:10,000 plans directeurs; artillery bombardment maps at 1:20,000; and maps of artillery and other training camps.

44. REPRINTS OF GERMAN MAPS.

1918-19. 43 items.

Sheets of the 1:50,000 and 1:20,000 topographic map, showing mainly that part of the Rhineland occupied by American troops.

Mobile Topographic Unit

45. MAP EXERCISES. 1919. 2 items.

Printed 1:50,000 topographic sheets of the Argonne-Montfaucon area, overprinted to show Allied and enemy defensive organizations and triangulation and traverse for artillery and map control.

Engineer Regiments

46. TOPOGRAPHIC SURVEYS AND OTHER MAPS. 1917-19. 7 items.

A map by the 6th Engineers showing hostile shelling east of Château-Thierry, a topographic blueprint map by the 101st of the Bazoilles-sur-Meuse area, a section of a topographic blueprint map by the 109th of the Pagny area, and annotated, a topographic map by the 111th of the 16th (Tonnerre) Training Area, a plan of Sinzig and a sketch for a divisional review near Remagen by the 117th, and a 1:10,000 sheet by the 515th of the area around Gézoncourt.

G-3 (OPERATIONS SECTION)

Maps or map references ordinarily accompanied G-3 operations orders at all levels. The GHQ Map Room, as well as army map rooms, was the center for current information concerning locations and movements of troops. The situation maps forwarded to G-3, GHQ, from armies, corps, and divisions will be found among the records of the unit making the map, but compiled situation maps based on these are described in some of the following entries.

Other maps in the following entries accompanied special studies or were the result of technical work at G-3, GHQ. After the Armistice, the G-3 Map Room produced many published maps and other compilations to illustrate operations and to accompany reports for other organizations.

General Records

47. MAPS ILLUSTRATING OPERATIONS. 1918-19. 26 items.

For the St. -Mihiel operation, various base and trench maps overprinted to show enemy positions and defenses (plates I-IV), reproduction of a position map of Army Detachment "C" (plate V), operations maps showing sector boundaries and objective lines, and a map to accompany Field Order 38; for the Meuse-Argonne operations, various base and trench maps overprinted to show enemy positions and defenses, areas photographed, general topography (plates I-VI), and operations maps showing sector boundaries and objective lines. There are also four maps annotated to show sectors, boundaries, and divisions for the St. -Mihiel operations.

48. MAPS SHOWING LENGTH OF FRONT HELD BY ALLIES. 1918. 52 items.

Sets of 1:600,000 topographic sheets annotated to show in kilometers the length of the front occupied by Belgian, British, French, and American units on January 31, February 28, March 21 and 30, generally on the 10th, 20th, and 30th of the months from April through October, and on November 11.

49. MAPS ACCOMPANYING STUDIES AND REPORTS. 1918. 30 items.

Annotated maps and a copy of the General Staff report on the projected Metz offensive, October 28; annotated maps, French data, and the report on the Metz fortifications, December 26; annotated maps and the report on supply bases and lines for various sectors on the Western Front; and the March 31 report of a General Staff visit to the 1st, 26th, and 42d Divisions and I Corps Headquarters.

Map Room Records

50. OPERATIONS AND OTHER SPECIAL MAPS. 1918-19. 28 items.

Base maps annotated and overprinted to show sectors and objective lines for the St. -Mihiel operation and one overprinted map showing sectors and objective lines for the

phases of the Meuse-Argonne operations north of the line between Grandpré and the Meuse; map printed in 1919 consisting of a 1:600,000 sheet overprinted to show the Allied and enemy order of battle on the Western Front at 11 a. m. November 11, 1918; maps showing railroads used by the Germans on the Western Front in 1918; a topographical sketch of the First Army area; a blueprint reproduction of a German graphic presentation of areas involved in the war from 1914 to July 1918; and annotated maps showing sectors and positions in August 1918 on the Italian Front, the location of American units on the Italian Front, general German defensive systems on the Western Front, supply lines, and Services of Supply facilities. Included are sample situation maps showing the use of conventional symbols on maps prepared for G-3.

51. FRONTLINE MAPS, NOVEMBER 11. 1918. 24 items.

Printed and annotated maps showing lines south of Sedan as reported by telephone, overprinted sheets of the First Army front at 11 a. m., annotated sheets of the Second Army front, and other maps showing the line in other sectors of the Western Front.

52. FRONTLINE MAPS. 1918-19. 121 items.

Topographic maps overprinted on May 24, 1919, to show daily positions of troops at the frontline and of units involved in the St. -Mihiel and Meuse-Argonne offensives; base maps overprinted to show the relations of the operations of the 1st, 2d, 3d, 4th, 26th, 28th, 32d, and 42d Divisions to the general advance in the Second Battle of the Marne; annotated maps showing general progress of the frontline for the Allied fall offensives; annotated 1:200,000 topographic sheets showing daily frontlines for particular phases of operations on the Western Front in 1918; and annotated 1:600,000 sheets showing the preceding information in a summary form. There are also various other maps annotated to show frontlines, including 1:200,000 sheets showing successive lines in various sectors of the Western Front between March 21 and November 11 and 1:200,000 sheets showing lines and occasionally Allied and German units on the Marne between July 15 and August 5 and from Soissons to Reims between September 3 and 16.

53. MAPS TO ACCOMPANY REPORT ON FRONTLINES. 1919. 192 items.

Cartographic material to accompany the report prepared by Lt. Thomas North on frontlines, consisting of summary maps similar to those described in entry 52, annotated summary sheets.

annotated 1:20,000 trench maps of the frontline for various sectors and dates, and annotated and manuscript material on which the above maps were based collected from American and French divisions.

54. MAPS SHOWING GROUND ADVANCED OVER. 1919. 63 items.

Topographic sheets annotated to show sectors held and ground advanced over by American divisions in 1918, the entire front on one map, and separate maps for the areas east of the Moselle and from the North Sea to the Argonne. Similar information is shown on a few blueprint maps, a set of 1:200,000 annotated maps, and a composite map formed by joining 1:200,000 sheets.

55. CHART OF COMBAT DIVISIONS IN LINE. 1919. 15 items in one volume.

A 1919 compilation showing for each division its status--in active or quiet sector, with British or French, arriving or traveling, in reserve or in training--daily from December 1, 1917, to November 11, 1918, with a summary of numbers of officers and men killed, severely and slightly wounded, gassed, missing, and captured and a summary of days in active or quiet sectors, date of report, advance in kilometers, and prisoners and materiel captured. Annotated 1:600,000 maps show areas, dates, and lines and units for the major defensives and offensives in 1918.

56. MAPS SHOWING DEFENSIVE AND OFFENSIVE AREAS IN 1918. 1919. 35 items.

A 1:600,000 topographic sheet overprinted to show areas and dates of major defensive and offensive operations; annotated 1:600,000 sheets showing similar information; and annotated 1:200,000 sheets showing areas for each operation and in some instances phases or battle areas for particular parts of the operation. In a bound volume are other annotated copies of the 1:600,000 topographic sheets showing areas and dates of major defensive and offensive operations with annotated 1:200,000 sheets showing successive frontlines for offensive and defensive operations.

57. AREA AND BOUNDARY MAPS. 1917-19. 114 items.

Base and annotated maps, some of which are in bound volumes, showing billeting and other areas in the British and Belgian sectors of the Western Front between December 23, 1917, and August 1918; boundaries of U.S.

organizations, particularly between the First and Second Armies from October 5 through December 29, 1918; lines and boundaries relating to the Allied occupation of Germany between November 13, 1918, and January 22, 1919; French boundaries and zones of passage through American areas; and boundaries of U.S. divisional training areas.

58. COMBINED ORDER OF BATTLE MAPS. 1919. 1,103 items (36 volumes).

A set of maps prepared after hostilities from information furnished by French GHQ, showing on 1:600,000 topographic sheets the locations and organization of Allied and German forces on the Western Front daily for August, September, and October, 1914, weekly thereafter through March 1917, daily from April 6, 1917, to May 14, 1919, and on 17 additional days through June 22, 1919. Through August 1918 the order of battle information is an annotation, thereafter the information is a French overprint with annotations relating mainly to troop movement. The German order of battle ends November 11, 1918, and thereafter the maps have the character of situation maps showing Allied movement relating to the occupation of Germany. Beginning January 22, 1919, the French overprint shows the frontiers of 1914; Belgian, British, French, and American zones; regional and army boundaries; and troop locations and departures. Similar annotated maps gathered into two volumes show information beginning July 8, 1918, and generally at 3- or 4-day intervals thereafter through May 25, 1919. Other unbound annotated maps show order-of-battle information in September and October 1914, April-December 1916 and 1917, and March 20 and April 3, 1918.

59. MAPS SHOWING MOVEMENTS OF AMERICAN DIVISIONS. 1919. 92 items.

Extracts of the Taride "Carte de France" with overprint prepared in the Map Room in 1919 showing on 71 days between January 17 and November 11, 1918, the movements and locations of American divisions along the Western Front. Unbound maps show similar information and contain annotations for some days not included in the bound set.

60. SITUATION AND MOVEMENT MAPS. 1918-19. 394 items.

A set consisting of sections of a 1:600,000 topographic map overprinted to show the Western Front from west of Laon to the Swiss border, army and corps headquarters, army boundaries, divisions in line and in reserve with and without artillery, and the general locations of

other divisions daily from September 11, 1918, to February 21, 1919, and on 23 additional days at about 5-day intervals through June 14, 1919. Divisional training areas appear on November 22 and after with additional details and tabulated data concerning movements and departures. Another set consists of similar maps annotated to show divisional training areas and division movements, similar to those described in entry 59, for 25 days between January 17 and June 28, 1918, and daily from July 8 through November 11, 1918.

61. SITUATION MAPS. 1918-19. 125 items.

Sections of 1:200,000 topographic maps overprinted and annotated to show army, corps, and division headquarters, army and corps boundaries, and French and American divisional areas daily from September 12 to December 31, 1918, and on 15 days between January 1 and May 10, 1919.

62. COMPARISON CHARTS OF GERMAN OFFENSIVE ADVANCES. 1918. 15 items.

Manuscript drawings designed as overlays for 1:200,000 maps, showing German frontlines from March 21 to August 11 and comparing advances made on the 1st through the 7th days of some of the offensives in various sectors of the Western Front.

63. VISIBILITY STUDIES. 1918. 31 items.

Blueprint 1:50,000 maps showing the areas visible from particular enemy observation posts along the east side of the Meuse River and around Montfaucon, and annotated 1:20,000 maps showing Allied and enemy visibility from posts in the St.-Mihiel sector; and photographs of relief maps illuminated to show areas visible from enemy balloons at 1,200-meter elevations at various points opposite the St.-Mihiel sector.

G-4 (COORDINATION SECTION)

The Coordination Section, G-4, resulted from a revision of the original General Staff organization plan. It supervised the execution of General Staff policies throughout the Services of Supply; directly controlled particular facilities, such as regulating stations; and maintained liaison with the Assistant Chiefs of Staff, G-4, of armies and corps. The maps described below originated in G-4, GHQ, or were forwarded from the various supply and staff departments. Other similar maps are described under the particular departments that constituted the Services of Supply, entries 84-110.

64. MAPS RELATED TO THE SERVICES OF SUPPLY. 1917-19. 52 items.

Manuscript, overprinted, and annotated maps showing sections of the Services of Supply as established by various general orders in 1917 and 1918; progress maps for March and April 1918 showing telephone lines, engineer supply depots, Ordnance Department and Gas Service installations, and light railways and roads; manuscript compilation sheets and overprinted 1:600,000 topographic sheets showing the organization of the Services of Supply as developed to April 1919, prepared jointly by G-3 and G-4; manuscript and blueprint construction plans for the ammunition depot at Mortcerf; a photocopy map showing ports, depots, regulating stations, and lines of communication; an annotated 1:200,000 map showing hospitals in the Meuse-Argonne; an annotated map with attached extract from the French Official Journal of November 28, 1918, relating to changes in administrative boundaries; maps showing regulating areas, Allied and enemy lines of communications, and French central generating stations; and a variety of annotated and some printed maps showing lines of communications, sections, and facilities, including large detailed maps consisting of joined 1:200,000 sheets.

G-5 (TRAINING SECTION)

Responsibility for troop training and various kinds of military instruction within the AEF was assigned to a separate General Staff section, G-5, which supervised centers of instruction and staff schools, prepared courses of instruction, and coordinated the school training of individuals with that given to troop organizations.

65. MAPS RELATED TO TRAINING AREAS. 1918-19. 99 items.

Printed, photocopy, and annotated blueprint maps showing in general the locations of training areas, schools, billeting areas, and camps; annotated and blueprint maps showing the boundaries and details about mixed and artillery training areas; annotated maps mainly showing the boundaries of divisional training areas, some of which are dated; and annotated 1:50,000 topographic sheets showing the boundaries of specific training areas.

66. MAPS TO ACCOMPANY COURSES OF INSTRUCTION. 1917-18. 159 items.

Maps and map problems, most of which are printed on tracing paper, prepared by the Army General Staff College for its second, third, and

fourth courses. A few maps are situation maps used in all the courses, and there are a few pieces not identified by course, most of which are for artillery instruction. Included is a copy of "Note Book for the General Staff Officer."

67. TARGET RANGE MAP. 1918. 2 items.

A printed 1:10,000 sheet showing Fontevault ranges 1 and 2 of the Samur Artillery School, and notes on French maps and map reading.

RELATED RECORDS

These annotated, manuscript, and printed maps, arranged in broad subject matter series, have not been identified as the products of specific General Staff sections, although they relate to matters of General Staff concern.

68. OPERATIONS MAPS. 1918. 89 items.

Maps of the St.-Mihiel and Meuse-Argonne operations showing sector boundaries, objective lines, dates, times, and movements; and maps to accompany field orders.

69. FRONTLINE MAPS. 1918. 38 items.

Various maps showing frontlines and divisional fronts.

70. AREA AND BOUNDARY MAPS. 1918. 82 items.

Maps showing frontiers of France and area and sector boundary lines; and bound maps of the St.-Mihiel sector, the frontline in the St.-Mihiel--Lunéville sector, and areas under the French First, Second, Fourth, Fifth, and Sixth Armies.

71. MAPS SHOWING POSITIONS, SECTORS, ORDER OF BATTLE, AND DEFENSES. 1918. 69 items.

Maps showing defensive lines and works and sector organization, but not units; maps showing positions of units, with and without sector organization; and maps showing the combined order of battle for the American First Army and I Corps and for opposing German units for 15 days between March 21 and November 1 and at 11 a. m. on November 11.

72. ARTILLERY AND ANTI-AIRCRAFT MAPS. 1918. 156 items.

Operations maps chiefly for the St.-Mihiel and Meuse-Argonne offensives, maps to accompany field orders, plans for artillery employment, and report maps; maps showing artillery positions, groupings, sectors of fire, and tar-

gets, with tables of concentration; other artillery maps including some showing balloons west of Verdun, sheets with artillery grids, and maps with minor annotations showing positions and other details; and anti-aircraft maps showing details of battery locations, command stations, searchlights, defended areas, firing circles for 1,500 and 3,000 meters in the American zone and around Paris and Nancy, and communication lines in the Chaumont area.

73. ROAD, RAILROAD, AND BRIDGE MAPS. 1918. 111 items.

Manuscript road maps showing district boundaries and army roads, and annotated circulation maps showing corps and division roads mainly for the St.-Mihiel and Meuse-Argonne offensives; annotated maps showing French railroad systems in general and the Eastern system in particular, Belgian railways, the condition of railways along the Meuse, and light railways left in place after the Armistice under agreements with the French; various railroad maps in a bound volume; annotated 1:200,000 sheets showing Rhine bridges; and annotated French maps of Meuse bridges.

74. RESOURCES AND INDUSTRIES MAPS. 1918-19. 68 items.

Annotated and printed maps, including some in a bound volume, showing French and German iron, coal, and other mineral areas; and 1:300,000 and 1:200,000 sheets showing industrial complexes for various cities.

75. ALLIED FACILITIES MAPS. 1918-19. 67 items.

Annotated maps showing camps, depots, and dumps; a few manuscript and annotated plans of towns and an index map of town information; annotated and manuscript maps of communications and signal circuits; and maps showing target ranges, defiladed areas, observation posts, British, French, and American airfields, and photographic mission flight paths.

76. ENEMY INFORMATION MAPS. 1918. 133 items.

Annotated maps showing artillery activity and positions, including some showing density and activity along the Western Front at 5-day intervals between May 15 and September 15; maps of defensive lines; maps showing works, defenses, and camps; maps showing order of battle, positions, and sector occupation; a large map showing supply lines; and maps showing airfields.

77. MAPS RELATED TO THE OCCUPATION OF GERMANY. 1918-19. 31 items.

Annotated maps showing sectors and boundaries, positions, roads, communication and artillery positions, and sectors of fire in the area occupied by American troops.

78. MAPS OF AREAS NOT ON THE WESTERN FRONT. 1918-19. 86 items.

Annotated and printed maps showing fronts, situations, and orders of battle in Italy, the Balkans, Eastern Europe, the Near East, Rumania, Russia, and Portugal.

79. LECTURE, SPECIAL, AND OTHER MAPS. 1918-19. 71 items.

Annotated maps showing the route of President Wilson's party through the Meuse-Argonne battlefield and the area southeast of Chaumont; maps accompanying a lecture on Meuse-Argonne operations; trench maps with annotated artillery grid; and other maps with minor annotations.

80. MISCELLANEOUS PRINTED MAPS. 1918. 101 items.

Maps not identified by origin, forty of which are 1:200,000 sheets with overprinting showing rail lines. Not arranged.

THE TECHNICAL STAFF

The chiefs of the various supply services and combat arms constituted the Technical Staff. Chiefs of supply services and their respective departments were grouped under the Commanding General, Services of Supply, as a result of General Order No. 31, GHQ, February 16, 1918, and moved to Tours. Assistant chiefs were appointed to remain at GHQ, Chaumont. The following maps were made by the Geologic Section under the Assistant Chief Engineer.

81. GEOLOGIC MAPS. 1918. 13 items.

Printed 1:50,000 geologic engineering sheets for Cheminot, Montsec, and St.-Mihiel, with

surface formations in color; a 1:80,000 Commercy sheet overprinted to show formations of building stone and road metal and annotated to show sand and gravel pits and quarries; a 1:320,000 sheet for the St.-Mihiel front and rear areas showing underground water formations; a hypsometric map for the front from Verdun to St.-Dié; a Commercy geologic section; and sheets with annotations showing limestone formations or quarries around Dun-sur-Meuse and Stenay and in the 16th (Tonnerre) training area.

82. WATER-SUPPLY MAPS. 1918. 89 items.

Water resources shown on printed 1:80,000 Commercy and Nancy sheets and on 1:50,000 sheets for the St.-Mihiel and Dun-sur-Meuse areas. Annotated maps, which are probably related field and work sheets, including 1:50,000 sheets showing wells, pools, springs, fountains, streams, and stream volumes; 1:20,000 sheets showing similar information; and spring and water point maps in the Woëvre region. Also, a printed monograph on water supply.

ADVANCE GENERAL HEADQUARTERS

Advance General Headquarters at Trier controlled the civil and military occupation of Germany until June 1, 1919; most military matters were the direct responsibility of Third Army Headquarters at Coblenz. The following maps were made in the G-3 Map Room.

83. SITUATION MAPS. 1918-19. 30 items.

Topographic and base 1:200,000 sheets annotated to show division, corps, and army boundaries and headquarters November 9, 10, 12-16, and December 5-24, 1918, and January 20 and February 19, 1919, for the area covered by the march to the Rhine and the occupation of the Coblenz bridgehead. Advance GHQ is shown at Trier on December 18 and after; the February 19 map also shows towns and overcrowded towns occupied by Third Army troops.

RECORDS OF THE SERVICES OF SUPPLY

The Line of Communications was created on July 5, 1917, as a territorial command over base, intermediate, and advance sections; a command over supply, sanitary, and telegraph services in the sections; and a general control over transportation and construction carried out by separate AEF services. As a result of

General Order No. 31, GHQ, February 16, 1918, the Line of Communications became the Services of Supply and most services and departments were grouped for supply purposes under the Commanding General, Services of Supply, with Headquarters at Tours.

The Transportation Department, the Motor

Transport Service, the Construction and Forestry Service, and the Division of Light Railways and Roads were grouped as the Service of Utilities until July 11, when they were further reorganized. By November 12, the latter two were divisions under the Chief of Engineers and the former were independent corps.

The following records include those by a SOS headquarters service, by some territorial sections, and by some staff services and departments. They are arranged according to their organization at the end of hostilities.

HEADQUARTERS

The Requisition, Renting, and Claims Service was created March 30, 1918, and charged with the renting and requisitioning of land and facilities in France, with billeting, and with the settlement of certain classes of claims. The map below was made by the Chief Billeting Officer.

84. BILLETING MAP. 1918. 1 item.

Joined 1:200,000 topographic sheets dated June 11 and annotated to show the arrondissements of Blois and Tours.

SECTIONS

Territorial administrative units included nine base sections, an advance section, an intermediate section, the District of Paris, and the arrondissement of Tours. Boundaries of the various sections may be found on many of the maps described under G-4, GHQ.

SECTION ENGINEER, ADVANCE SECTION

85. CONSTRUCTION PROGRESS CHART. 1918. 1 item.

A graphic presentation of projected and completed construction on September 1 by types of structures for Divisional Training Areas 8-21.

CHIEF ENGINEER, BASE SECTION 1

86. CONSTRUCTION AREA MAPS. 1918. 1 item.

An annotated 1:10,000 outline map of the St.-Nazaire area showing the location of camps, buildings, water supply, sewerage, and railroad construction.

BASE SECTION 2

Chief and Section Engineer

87. DOCK PLANS. 1918. 6 items.

General blueprint plans for the Bassens dock, January 2 and 22; and general, layout, and typical plans for the Talmont docks, January 30, 31, and July 11.

Base Signal Officer

88. COMMUNICATION NETWORK DIAGRAM. 1918. 1 item.

Manuscript drawing of telephone installation lines at the Pauliac Naval Air Station, July 19.

CHIEF ENGINEER, BASE SECTION 5

89. CONSTRUCTION PLANS. 1918-19. 5 items.

Outline sketch of Brest and vicinity, September 28, 1918; annotated photocopy of Camp Pontanézen; blueprint layout of proposed drycleaning and salvage plant, January 27, 1919; and shed floor plans, January 26, 1919.

SERVICES

All of the records described below were made by the various staff services and departments of the Services of Supply.

ENGINEER DEPARTMENT

The Engineer Department was established under the initial organization of the AEF, and the Chief Engineer arrived in France in June 1917 with the GHQ contingent. As a result of organizational changes, the functions assigned to the Chief Engineer were carried out by several distinct organizations. Engineer supply and general construction were the responsibility of the Chief Engineer, Line of Communications, from August 13, 1917, until the creation of the Services of Supply. Then engineer supply became a function of the Office of the Chief Engineer. General construction and light railways were under the Chief, Service of Utilities, until July 11, 1918, when they were also transferred to the Office of the Chief Engineer. Military engineering activities had always been under the Office of the Chief Engineer, and some of these activities were directed from GHQ, Chaumont, even after the removal of Engineer headquarters

to the Services of Supply at Tours.

Maps described below under the Division of Construction and Forestry and the Division of Light Railways and Roads include some that were produced when those organizations were under the Service of Utilities. Additional material relating to construction and railroads is described with the records of the Transportation Corps.

Chief Engineer--Line of Communications

90. PLANS AND PROGRESS REPORT.
1917. 4 items.

Printed and blueprint layout plans for the Coëtquidan artillery training camp, October 9 and 11; plan for a hospital site near Pichey, December 3; and an incomplete map showing construction progress at Villers-le-Sec.

Chief Engineer--Services of Supply

91. BASE, ROAD, AND TRAINING AREA
MAPS. 1917-18. 4 items.

A 4-piece printed outline map of France, October 1917; annotated 1:80,000 maps prepared November 23, 1918, showing highways in the Second Army area; annotated 1:200,000 sheets showing divisional training areas, June 7, 1918; and an Italian 1:200,000 sheet with some roads and frontiers shown by annotations, accompanying a report of December 27, 1918.

92. CONSTRUCTION PLANS. 1918. 3 items.

A blueprint drainage survey of the Mehun ordnance repair shop site, February 25; and annotated blueprint and manuscript drawings of the American divisional camp at Le Courneau.

Division of Military Engineering and Engineering Supplies--Water Supply and Sewerage Section

93. MAP SHOWING RAINFALL IN FRANCE.
1918. 1 item.

Printed map showing lines of equal annual precipitation, 1851-1900, and boundaries of river basins, political boundaries, and precipitation stations.

Division of Construction and Forestry

94. ADMINISTRATIVE MAPS AND CON-
STRUCTION PLANS. 1918-19. 12 items.

Processed outline map of France showing administrative sections; annotated outline map of France showing the location of forestry troops on April 1, 1918; processed copies of

plans of tracks at Bassens, Is-sur-Tille, and St. Loubès; blueprint plans for rest camp at Is-sur-Tille; a Montoire dock plan; a plan of a barge ammunition dock; a progress report map of the general storage depot at Châteauroux revised to May 13, 1919; and annotated processed plans showing progress of construction at the Is-sur-Tille depots.

Division of Light Railways and Roads

95. COMBAT RAILWAY LINE MAPS.

1918-19. 24 items.

Annotated printed and blueprint maps, generally showing French and American construction and operation and in some instances German information for the combat railway system, light (60 cm.) railways in various sectors in the American zone, light railway systems in detail in American sectors, detailed proposals for railway extensions, and the Abainville shops and storage center.

96. ROAD MAP. 1918. 1 item.

Processed outline map of roads in the Montfort unit of the Le Mans Road District.

Engineer Regiments

97. RAILWAY, ROAD, AND CONSTRUCTION
MAPS. 1917-18. 14 items.

An annotated blueprint showing railroads and roads southwest of Verdun (13th Engineers); processed and blueprint surveys for Cosne medical depot, Base Hospital 9 siding, Gièvres depot site, and Mehun ammunition depot (15th Engineers); blueprint of located line of the Nevers cutoff and supplies at Is-sur-Tille (16th Engineers); blueprint plans for docks at La Pallice and St.-Nazaire (17th Engineers); and annotated blueprints of light railways and a manuscript of the Sorcy yards (21st Engineers).

Other Records

98. RAIL, DOCK, PORT, AND AIRDROME
PLANS. 1917-18. 20 items.

Blueprint track layouts, some French and some annotated, for projects at Gien, Gièvres, Is-sur-Tille, Liffol-le-Grand, and Mignerres-Gondreville; blueprint plans for depot and docks at St.-Loubès, May 18, 1918, and for docks at Talmont, November 9, 1917; a drawing of an unloading crane for dock use; annotated printed and blueprint maps of facilities at Brest, Marseilles, Nantes, and St.-Nazaire; and an annotated blueprint of the Miramas airdrome.

MEDICAL DEPARTMENT

A Medical Department was established under the initial organization of the AEF, and the Chief Surgeon arrived in France in June 1917 with the GHQ contingent. The records below are general records of the Chief Surgeon and of the Hospitalization Division in his Office, which was under the Services of Supply at Tours.

Chief Surgeon99. MAPS SHOWING MEDICAL UNITS AND HOSPITALS. 1918. 6 items.

A printed outline map of France showing kind and location of fixed Medical Department units, January 10; a similar manuscript map showing hospital centers, April 29; a similar photocopy map for November 11; and manuscript layouts of Evacuation Hospital 9 at Vaubecourt, the hospital at Coblenz, and the Bazoilles Hospital Center.

Hospitalization Division100. MAPS SHOWING MEDICAL UNITS. 1918. 2 items.

Printed outline map of France showing the location of fixed Medical Department units; and joined 1:600,000 topographic sheets from the Construction Department annotated to show locations and kinds of fixed units, lines of communications, and training areas on November 11.

MOTOR TRANSPORT CORPS

Motor transportation affairs were at first handled in the Quartermaster Corps, where the Motor Transport Service was established on December 8, 1917. It subsequently became a separate service under the Service of Utilities, and on July 11, 1918, it became the Motor Transport Corps under the Services of Supply.

101. TRUCK ROUTE MAP. 1918. 1 item.

Outline map of France by the Motor Transport Service annotated to show routes 1-21A; French, American, and proposed gasoline stations with their tank capacities; and oil depots.

ORDNANCE DEPARTMENT

An Ordnance Department was established under the initial organization of the AEF, and the Chief Ordnance Officer arrived in France in June 1917 with the GHQ contingent. As a

result of the reorganization on February 16, 1918, Ordnance Department activities relating to supply were transferred to the Services of Supply at Tours.

102. CONSTRUCTION PLAN. 1918. 1 item.

Annotated blueprint of the depot layout for Advance Ordnance Depot 4 at Jonchery-Villers-le-Sec, July 24.

SIGNAL CORPS

A Signal Corps was established under the initial organization of the AEF, and the Chief Signal Officer arrived in France in June 1917 with the GHQ contingent. As a result of the reorganization on February 16, 1918, the Chief Signal Officer and Signal Corps activities relating to supply were transferred to the Services of Supply at Tours. The following maps were made by the Chief Signal Officer.

103. COMMUNICATIONS NETWORKS MAPS. 1918-19. 2 items.

Printed and photocopy outline maps showing constructed and leased telephone and telegraph lines in France and England, April 1, 1918, and February 1, 1919.

TRANSPORTATION CORPS

Transportation was a responsibility of the Chief Engineer, AEF, until the appointment of a Director General of Transportation in September 1917, when the Transportation Department was established as a technical service of GHQ. The Army Transport Service was transferred to the Transportation Department from the Quartermaster Corps in December 1917. "Service" was used to designate the former Department after July 11, 1918, until the creation of the Transportation Corps on November 12, 1918. The Engineer of Construction was appointed November 6, 1917, and he remained responsible for the design of transportation facilities, including railroads and ports, until after February 16, 1918, when the actual construction of facilities was made the responsibility of Construction and Forestry in the Service of Utilities.

Army Transport Service104. DOCK PLANS. 1918. 2 items.

Printed plans of the Rochefort docks annotated to show American facilities by the Acting Superintendent and forwarded from La Pallice, April 20.

Director General of Transportation

105. MAPS SHOWING LINES OF COMMUNICATIONS. 1917. 3 items.

Printed and annotated outline maps of France showing proposed lines of communications, administrative sections, and the locations of various facilities in October.

Engineer of Construction

106. RAIL AND DOCK CONSTRUCTION PLANS. 1917-18. 43 items.

Blueprints revised, issued, and annotated between December 14, 1917, and September 21, 1918, for construction of tracks and docks at St.-Nazaire; for track connections at Mesves-Bulcy and Mars hospitals, between Bazailles and Liffol-le-Grand, and at the Sorcy railhead; and for the Mehun ordnance machine shops, the Gièvres storage depot, the Issoudun and Villers-le-Sec ammunition depots, the regulating station and depots at Is-sur-Tille, and the regulating station at Liffol-le-Grand. Blueprints dated between May 6 and August 12, 1918, some of which are annotated, showing port facilities at Bayonne, Brest, La Pallice, Le Havre, Nantes, Pauillac, and Rochefort; dock plans for Montoire; dock and track connections at Bassens; a progress report for Gièvres; blueprints of the extension of the Foëcy ammunition depot yard and of forestry sidings near Andelot; and a blueprint of typical plans and details for dock construction.

107. MAPS SHOWING LINES OF COMMUNICATIONS. 1918. 2 items.

A printed outline map of France showing lines of communications, sections, and facilities in November; and a printed railroad map of northern France.

108. TRAIN AND ENGINE CHARTS. 1918. 4 items.

Blueprint density chart for American lines of communications, August 24; a chart of engine runs and grades; a blueprint map showing routing and train density on September 6; and a graph showing tonnage, mileage, and other details for lines 1-81 on September 7.

Engineer Maintenance of Way--T. S.

109. RAIL CONSTRUCTION AND FACILITIES MAPS. 1918. 4 items.

Blueprint of the Gièvres project and the Is-sur-Tille yards and storage; and maps of the Eastern Railroad Company, one annotated to show divisions and facilities.

Master Mechanic, Perigueux--T. D.

110. WATER AND LOCOMOTIVE FACILITIES MAP. 1918. 1 item.

An annotated blueprint showing French and American facilities on "C" line from Bordeaux to Bourges and Vierzon.

RECORDS OF THE AIR SERVICE

The Air Service, AEF, was separated from the Aviation Section of the Signal Corps in June 1917; it was a distinct combat arm under the successive commands of the Aviation Officer, the Chief Aviation Officer, and the Chief of Air Service at GHQ. In addition to the headquarters staff organizations, there existed at the end of hostilities sections dealing with training, supply, technical problems, balloon company activities, aircraft armament, photography, radio, and medicine. Direct control over Air Service units at the front was exercised by the commanders of armies and corps; there was no separate chain of tactical command. The maps described in entry 112 and probably also those in entry 113 were prepared and assembled as part of an historical project begun in the Information Section, Air Service Headquarters, GHQ.

111. MAP SHOWING AIR SERVICE STATIONS. 1918. 1 item.

Printed outline map of France showing locations of Air Service stations, with a list of Air Service ports of debarkation, depots, rest camps, HQ airdromes, training schools, and warehouses.

112. LOCATION MAPS. 1918. 114 items in 2 volumes.

Two annotated sets of base maps showing movements and locations of units at intervals between January 17 and November 11.

113. MAPS SHOWING ALLIED AND ENEMY AIR INFORMATION. 1918. 79 items in 3 volumes.

Manuscript, annotated, and printed maps, including maps from British and French sources,

the first volume showing mainly Allied airfields and locations of units; the second one showing German balloon ascensions, airfields and defenses, railways and base sections, bombardment objectives, lines of destruction, and the Allied situation including various Allied and

enemy organization charts; and the third one showing frontlines, German airfields, target distances, targets and tonnage of Allied aerial bombardment, balloon observation areas and points of ascension, sectors and general areas of operations, and river systems.

RECORDS OF THE COAST ARTILLERY CORPS

Under AEF tables of organization the Coast Artillery Corps of the Regular Army provided personnel to handle heavy artillery overseas, including howitzers and mortars with bores of more than 6 inches, guns 5 inches and larger in army artillery, and trench mortar and anti-aircraft units for corps and army artillery. Railroad artillery for the AEF was formed into the Railway Artillery Reserve, which had its

shops and a school at Haussimont.

114. CONSTRUCTION PLANS. 1917-18. 2 items.

Blueprint plans for a camp area near Haussimont, showing building layouts, progress of construction to December 18, 1917, and layouts and terrain contours on March 11, 1918.

RECORDS OF THE TANK CORPS

Plans for the use of tanks in the AEF were embodied in several proposals made to the War Department beginning in September 1917. On February 18, 1918, a Tank Service of the National Army was authorized and placed under the control of the Chief of Engineers. On March 6, 1918, a separate Tank Corps was authorized and established in the AEF under the Chief of Tank Corps.

115. MAPS ACCOMPANYING REPORTS. 1918. 10 items.

A section of a French 1:80,000 topographic map relating to Tank Corps operations in the

St.-Mihiel offensive, September 12-15, annotated to show routes, detraining points, assembly positions, and departure positions for the 326th and 327th Battalions; a section of a 1:50,000 map showing sectors and other details for the St.-Mihiel operation; a graphic summary of Tank Corps personnel and materiel losses in the St.-Mihiel operation; maps showing the II Tank Corps operations in the Le Catelet-Bony offensive, September 27-October 1; and maps, battle order, and communications diagrams for the 301st Battalion operations around Le Cateau, October 17 and 23.

RECORDS OF AMERICAN TROOPS IN ITALY

In answer to Italian requests for American troops, the 332d Infantry Regiment with attached auxiliary services was sent to Italy in July 1918. The maps below refer to the regiment's operations against the Austrians in the fall of 1918.

116. MAPS ACCOMPANYING REPORTS. 1918. 3 items.

Sections of Italian 1:200,000 topographic

maps relating to the campaign of the 332d Infantry in Italy annotated to show lines of march and headquarters between October 28 and November 28 from Treviso to west of Gorizia and return; and a section of a 1:200,000 topographic map annotated with information from an Italian Fourth Army map showing enemy roads northwest of a line between Bassano and Sacile.

RECORDS OF AMERICAN FORCES IN GERMANY

"American Forces in Germany" was the collective title used to designate those American units which remained in Germany after the dissolution of the Third Army.

117. SITUATION MAPS. 1919. 3 items.

Sections of French 1:200,000 topographic maps annotated to show army and divisional boundaries and headquarters and brigade areas in the Coblenz occupation area July 19, 26, and

August 2.

118. SECTOR AND BOUNDARY MAPS. 1919. 2 items.

A German 1:300,000 map of the Rhineland with annotations showing kreis capitals and boundaries, army boundaries, and regierungsbezirks; and a German 1:200,000 map of Coblenz and Trier regierungsbezirks with additional sector annotations.

RECORDS OF THE AEF, SIBERIA

The AEF, Siberia, was not under the command of GHQ, Chaumont, but constituted a separate force composed of units of the 27th and 31st Infantry Regiments previously stationed in the Philippines and augmented by troops sent from the United States. They participated in Allied operations in eastern Siberia in 1918-19. The Engineer detachment from the Philippine Department arrived in Vladivostok in August 1918, and, except for a detail which accompanied a march of the 27th Infantry, was mainly engaged in map reproduction and minor reconnaissance activity in the vicinity of Vladivostok. The following are from the Engineer Office.

119. COPIES BASED ON RUSSIAN GENERAL STAFF MAP. 1918-19. 93 items.

Manuscripts and a few photocopies of a map of Russia on a scale of 1:420,079; photocopies of a map of Siberia on a scale of 1:1,680,315, some of which were revised by the Philippine

Engineer Office; photocopies of a map of China and Japan on the same scale; and blueprints of a map of Siberia on a scale of 1:84,000. The photocopies were made by the Military Intelligence Division, General Staff. The Engineer Office copy work was done between December 1918 and August 1919. In general, the maps show place names, roads, and hydrography; some sheets also show topography.

120. OUTLINE MAPS. 1918. 2 items.

Manuscript outline maps on a scale of 1:3,220,176 of the Mesopotamia District and the Volga Basin.

121. RECONNAISSANCE MAPS. 1918-19. 4 items.

A blueprint map of Vladivostok and vicinity from a reconnaissance in August 1918 and manuscript and annotated processed copies of the same area from a reconnaissance in August 1919.

RECORDS OF ARMIES

The maps of the First, Second, and Third Armies include maps by General Staff sections, whose responsibilities were similar to those of the GHQ General Staff sections. The resulting maps are similar but less varied in subject matter and limited to the area covered by the operations sector of each army. For the First Army there are artillery operations maps and maps by the Artillery Information Service, and for all

the armies there are maps by attached technical services, principally Engineer and Signal Corps. Because the Second Army existed for a shorter period, its maps are fewer in number and less varied in subject matter than those of the First Army. Third Army maps take their principal character from the army's role as an occupation force. Other army maps are described with historical records.

FIRST ARMY

The success of the Allied counteroffensives in the summer of 1918 made possible the creation of an independent American army. The headquarters staff of the First Army was appointed on July 24, 1918, and the organization took effect August 10, preparatory to the concentration of corps and divisions for the St. -Mihiel offensive. Operations in the Meuse-Argonne began on September 26 and continued until the Armistice.

GENERAL RECORDS

122. MAP TO ACCOMPANY REPORT.

1918. 1 item.

A printed 1:200,000 outline map, "Plate VII, German Defensive Organization in the Meuse-Argonne," showing major defensive lines.

123. MAP OF ARMY LIMITS. 1918. 1 item.

Joined 1:200,000 annotated sheets with memorandum of August 29 relating to the transfer of territorial command from the French Group of Armies of the East to the First Army.

G-1

124. CIRCULATION AND ROAD MAPS.

1918. 15 items.

An annotated circulation map of the area behind the St. -Mihiel front to accompany Annex 8 of Field Order 9 of September 6; and printed and annotated circulation maps for the Meuse-Argonne operations dated September 19 and 24, a road report map for September 25, modified circulation maps for September 27, and road and circulation maps for October 12 and 22 and November 3, 5, and 13.

125. BILLETING AND AREA MAPS. 1918. 19 items.

Annotated and printed maps of billeting zones and areas, August 30, September 23, and November 3--the latter a French map on eleven 1:50,000 sheets; and annotated maps relating to the organization of rear areas showing zones of passage, reserve division zones, corps and army zones, and replacement and rest zones, some also showing billeting capacity.

126. MAPS SHOWING CORPS AND DIVISION POSITIONS OF COMMAND. 1918.

17 items.

Annotated 1:900,800 maps of France, with textual lists by the Assistant G-1, showing on

separate maps the locations of positions of command for the I, III, IV, V, and VI Corps and for the 1st-7th, 26th-30th, 32d, and 33d Divisions up to November 11.

G-2General

127. ENEMY ORDER OF BATTLE MAPS. 1918. 167 items.

Overprinted sketch maps and 1:200,000 base maps showing divisions in line and higher organizations between July 31 and August 31; overprinted 1:100,000 base maps and some 1:200,000 base maps showing divisions in line and higher organizations for most of September and daily from October 1 through November 10; a similar bound set, September 1-November 11; and various base maps annotated with similar information for days in August and September.

128. GRAPHIC SUMMARY OF ENEMY ACTIVITY. 1918. 37 items.

Overprinted 1:50,000, 1:80,000, and 1:100,000 base maps showing daily information about infantry raids, patrols, counterattacks, machine-gun fire, strong points, artillery activity including shelled areas, airplanes and balloons destroyed and antiaircraft fire, movements by rail and road, and fires, explosions, smoke, and dumps from October 1 through November 11. Also a similar bound set and a manuscript sheet for the period August 26 to September 8.

129. ENEMY INFORMATION MAPS. 1918. 16 maps.

Various annotated and overprinted maps showing enemy offensive and defensive intentions, September 6, and the occupation of the St. -Mihiel salient, September 8; railroad and related information; circulation, September 25-October 22; foxholes and machine guns west of the Meuse; minerals, food-producing areas, factories, and military and other works, October 18; defensive lines; relief along the Kriemhilde Stellung; and enemy works on October 8, 25, and 31.

130. FRONTLINES. 1918. 11 items.

Various annotated and overprinted maps showing the front on particular days during the Meuse-Argonne offensive and a 1:20,000 trench map showing the front southwest of Chambley.

G-2-C

131. MAPS OF SURVEYS. 1918. 3 items.

From surveys made after hostilities a 1:5,000

blueprint of the German position 21 kilometers north of Verdun and 4 kilometers northeast of Sivrey-sur-Meuse, and manuscripts of the German positions 26 kilometers northwest of Verdun and 5 kilometers north of Montfaucon and 19 kilometers northwest of Verdun and 3 kilometers southeast of Montfaucon.

132. ENEMY INFORMATION MAPS.
1918. 14 items.

Various base and topographic maps overprinted to show defensive positions, mines, camps, and cantonments on November 11; the organizations in the St.-Mihiel salient; and the occupation on September 18 of the sector from west of Vienne-le-Château to Fresnes-en-Woëvre.

133. BASE, TRENCH, AND OTHER MAPS.
1918. 22 items.

Reprinted and new editions of 1:50,000 topographic sheets and of 1:20,000 and 1:10,000 plans directeurs, maps showing the official frontline of the First Army at the Armistice, an outline map of divisional training areas, and town plans of Bar-sur-Aube, Metz, and Toul.

G-3

General

134. OPERATIONS MAPS. 1918. 26 items.

Annotated maps consisting of a defense plan of September 2 for the Haye and Marbach sectors; a map accompanying Field Order 9 for the St.-Mihiel offensive showing phase and objective lines, boundaries of armies and corps, hostile positions, and exploitation lines; an anti-aircraft plan for St.-Mihiel; outline maps showing air attack missions and forces assigned to the three states of preparation for the St.-Mihiel operation; observation plans of September 30 and October 23 for enemy railroads, communications, and positions in the Meuse-Argonne region; and a map showing the jumping-off and objective lines for later Meuse-Argonne operations. There are other related maps, some of which appear to be incomplete copies.

Map Room

135. OPERATIONS MAPS. 1918. 10 items.

Annotated maps to accompany Field Order 20 of September 20 and maps showing German defensive positions on September 22, movements of U.S. divisions on September 24, roads for the Meuse-Argonne concentration, divisional areas on October 24, and jumping-off and objective lines for later Meuse-Argonne operations.

136. SITUATION MAPS. 1918. 152 items.

Annotated and partly overprinted 1:200,000 base and topographic sheets showing the army and corps headquarters and boundaries, division headquarters and areas, French corps and divisions, and occasionally the lines and movements of brigades and regiments. In two files, one of which was sent to the First Army Chief of Staff and includes most dates between August 26 and November 11, and the other of which was sent to GHQ and includes most dates between September 15 and December 3.

137. FRONTLINE MAPS. 1918. 71 items.

Annotated 1:50,000 sheets showing the frontline at 6 p.m. for most days from September 26 to November 11 and at 9 p.m. for most days from October 18 to November 10.

ARTILLERY RECORDS

General

138. OPERATIONS MAPS. 1918. 32 items.

Annotated maps of a September 24 St.-Mihiel anti-aircraft defense plan and plans for artillery employment for October 23 and 30, the latter showing caliber, character of fire, and target areas; annotated maps showing artillery positions and sectors of fire, especially for the 55th, 56th, and 57th Field Artillery Regiments; annotated maps of railway artillery positions and fields of fire and lists and maps of observation posts; and annotated and overprinted maps showing artillery grouping and target zones for the St.-Mihiel and Meuse-Argonne offensives.

139. ENEMY ARTILLERY ACTIVITY MAPS.
1918. 32 items.

Annotated 1:50,000 sheets, some of which are similar to the maps described in entry 128, showing shelled areas and the location and caliber of guns for varying intervals between October 1 and November 10.

140. MAPS SHOWING OBJECTIVES OF
ENEMY BATTERIES. 1918. 8 items.

A bound file of manuscript overlays and annotated 1:50,000 sheets, part of the report of the First Army Artillery, showing for October 16-31 enemy battery positions, calibers, and objectives along the front.

141. TOWN PLAN. 1918. 1 item.

Part of a printed reproduction of a French plan of Ferté-sous-Jouarre.

Artillery Information Service

142. ACTIVITY, VISIBILITY, AND OTHER MAPS. 1918. 22 items.

Annotated 1:50,000 activity charts showing fires, explosions, trains, wagons, and batteries, October 5-10; topographic sheets chiefly for the St. -Mihiel area but also for the Meuse-Argonne overprinted to show areas visible from Allied and enemy observation posts; overprinted 1:50,000 sheets showing artillery objectives in the Montfaucon area; overprinted and annotated maps of Allied and enemy observation posts in the St. -Mihiel area; and an annotated map showing road cuts in the Meuse-Argonne, September 24.

THE INSPECTOR GENERAL

143. MAP TO ACCOMPANY REPORT. 1918. 1 item.

An annotated section of a 1:20,000 trench map relating to the operations of the 79th Division, September 26-30, showing lines and positions.

THE CHIEF ENGINEERGeneral

144. ROAD AND AREA MAPS AND TOWN PLANS. 1918. 10 items.

Overprinted 1:80,000 sheets showing railroads, sawmills, proposed highways, water supply points, and dumps; an October 12 manuscript road map for the Meuse-Argonne; annotated maps showing the condition of roads and bridges on November 4 and December 1; a manuscript plan of Neufchâteau; and a November 1 annotated map showing shelter capacities in the I, III, and V Corps areas.

Water Supply Service

145. WATER-SUPPLY MAPS. 1918. 6 items.

An annotated map of September 6 showing water supply in the St. -Mihiel area for the I and IV Corps, and overprinted 1:50,000 sheets of the Meuse-Argonne showing water points and details concerning facilities, October 18, 23, and 25.

Bridge Section

146. BRIDGE MAPS AND PLANS. 1918. 33 items.

Manuscript maps showing the locations of bridges built between September 26 and Novem-

ber 11, and detailed construction drawings of bridges.

THE CHIEF GAS OFFICER

147. MAPS TO ACCOMPANY REPORT AND LECTURE. 1918-19. 13 items.

Annotated 1:20,000 trench maps accompanying a report on operations of the 1st Gas Regiment in the St. -Mihiel and Meuse-Argonne offensives, and similar maps prepared for a lecture on January 13, 1919, generally showing positions, emplacements, target areas, and frontlines on particular days.

THE CHIEF SIGNAL OFFICER

148. COMMUNICATIONS DIAGRAMS. 1918. 3 items.

Processed diagrams of communications systems showing army radio networks on September 24 and command, artillery, and air networks on September 25 and October 4.

SECOND ARMY

The headquarters staff of the Second Army was appointed October 10, 1918. The Army took over a part of the American front and the IV and VI Corps areas extending from Port-sur-Seille, east of the Moselle, to Fresnes-en-Woëvre, southeast of Verdun. At the Armistice it was participating in the general Allied attack. It later occupied part of Luxembourg and Belgium.

GENERAL RECORDS

149. MAPS RELATING TO THE MARCH INTO GERMANY. 1918. 1 item.

Annotated joined pieces of 1:200,000 maps, with General Staff instructions of November 26, showing zones and areas for British and American sectors and bridgeheads.

G-1

150. CIRCULATION, AREA, AND BILLETING MAPS. 1918. 4 items.

Overprinted 1:80,000 sheets showing details of traffic movement, depots, and dumps for October 31; overprinted 1:200,000 sheet accompanying G-1 Order 1, showing divisional police areas; and annotated 1:200,000 sheets showing billeting areas around Bar-le-Duc and St. -Dizier.

G-2General

151. ENEMY ORDER OF BATTLE MAP. 1918. 1 item.

Overprinted 1:100,000 base maps showing divisions and groups of Army Detachment "C" and the XIX Army in line, October 12, along the front east of Verdun to Nomény. Order of battle information for succeeding days is on maps described in the following entry.

152. GRAPHIC SUMMARY OF INTELLIGENCE. 1918. 29 items.

Overprinted 1:100,000 base maps showing German order of battle and enemy works, infantry activities, circulation, aviation and artillery activity, and other details daily from October 13 through November 11 for the area opposite the Second Army Front.

153. ENEMY INFORMATION MAPS. 1918. 8 items.

Overprinted 1:100,000 base maps showing the location of German corps, divisional anti-aircraft stations, and new stations with charts of activity showing number of calls, codes, adjustments, visibility, and telephone and telegraph activity for October 19-31 and November 1-10; overprinted 1:50,000 sheets showing details of German ground organization, works, and facilities for October 23; two sketch maps prepared from prisoner interrogation data, October 28 and November 6, showing details of positions near Harville and Pagny.

G-2-C

154. BASE, TRENCH, AND OTHER PRINTED MAPS. 1918-19. 50 items.

Topographic 1:50,000 maps of the Rhine area enlarged from the German 1:100,000 map, editions and reprints of French 1:20,000 trench and artillery objective maps, and a 1:50,000 sheet around Montmédy compiled from French and Belgian sources. A group of printed and overprinted maps including a 1:200,000 sketch map of railroads in the American sector, January 9, 1919; detailed circulation and railway maps, November 15; Metz area road maps; plans of Metz and Toul; an army divisional area map; maps showing German batteries, mines, and barriers in the Chambley area; a 1:50,000 topographic sheet of the Pont-à-Mousson area overprinted with geodetic and artillery firing data; a 1:200,000 sheet showing zones of passage through the Toul and Neufchâteau areas; and a

copy of a German map showing regimental and combat zone plans.

G-3

155. SITUATION MAPS. 1918-19. 137 items.

Annotated 1:200,000 base maps showing army, corps, and division boundaries and headquarters with frontlines up to November 14, and, in addition, French divisional areas daily from October 12, 1918, through February 25, 1919 (except January 25). After January 9 parts of the army area under French control are shown.

156. MAPS OF LINES AND AREAS. 1918-19. 8 items.

Annotated sections of 1:20,000 trench maps showing the army frontline; overprinted 1:80,000 topographic sheets showing army, corps, and division boundaries and sectors on October 20 and October 30; and overprinted 1:200,000 base maps showing the boundaries for December 16 and 26, 1918, and January 9 and February 4, 1919.

THE CHIEF ENGINEER

157. RAILWAY AND HIGHWAY MAPS. 1918. 4 items.

Overprinted 1:80,000 sheets showing standard and 60-centimeter-gauge railways and their condition and facilities on October 26, and similar sheets showing highways and water points on October 20.

OTHER RECORDS

158. MAPS SHOWING OBSERVATION AND RANGING POSTS AND OTHER INFORMATION. 1918-19. 25 items.

Annotated 1:50,000 sheets showing army observation posts, one dated November 9 for the Pont-à-Mousson area and westward; an annotated 1:50,000 sheet showing flash and sound ranging centrals and posts; and a bound volume of printed and annotated maps, including some from GHQ relating to army limits.

THIRD ARMY

The headquarters staff of the Third Army was appointed November 7, 1918; on November 14 the Third Army was designated the Army of Occupation. The march to Germany with the III and IV Corps (later followed by the VII Corps) began November 17, and leading elements of all the Allied armies crossed the German frontier on December 1. Army headquarters for the American

occupation area were established at Coblenz, and other American troops guarded the line of communications which ran through Luxembourg to France.

G-2

General

159. ENEMY ORDER OF BATTLE AND LOCATION MAPS. 1918-19. 13 items.

An overprinted 1:200,000 base map showing regiments and divisions in line and groups and corps for the German V and XIX Armies and Detachment "C" on November 11; overprinted 1:200,000 base maps showing assumed order of battle and some details of movements and destinations between November 18 and 24 and December 5; overprinted 1:600,000 base maps showing German regiments near the Rhine on February 6, 1919, and number and class of German forces in parts of northwestern Germany on May 2 and June 20, 1919; and a 7-page textual note, dated June 26, 1919, concerning German forces after the armistice.

G-2-C

160. BASE AND OTHER PRINTED MAPS. 1918-19. 158 items.

Reprints of British 1:200,000 sheets (G. S. G. S. 2847) and of the special Giessen sheet of parts of northwestern and central Germany; reprints of German 1:100,000 sheets, 1:50,000 enlargements thereof, and 1:20,000 enlargements of 1:25,000 sheets, all of the Rhine area; a reprint of a 1:300,000 German map of Hessen-Nassau, Oberhessen, and Waldeck; a 1:600,000 base map of northwestern Germany compiled from French sources; various road and railroad maps of part of the Meuse River area and of occupied Germany; town plans of Ahrweiler, Hohe, Mulheim, Neuenahr, and Remagen; 1:200,000 topographic sheets overprinted to show civil and military boundaries in occupied Germany; a sketch map of the Moselle Valley and of attacks by the 32d Division; an outline map showing demobilization camps in the United States; and manuscript and printed triangulation data copied from German sources.

G-3

General

161. OPERATIONS MAPS. 1918-19. 42 items. Maps related to the occupation of Germany

consisting of overprinted 1:200,000 and 1:100,000 sheets and numbered operations maps generally showing army, corps, and division boundaries, some of which also show bridgehead limits and positions of resistance; similar maps showing the preceding information by annotations; a variety of annotated maps relating to the march into Germany, billeting, training, police areas, civil and military boundaries, triangulation networks, and Coblenz military installations; and other annotated maps showing the Cologne, Coblenz, and Mainz bridgehead areas and some occupation units, phase lines, the positions of British brigades around Cologne, French zones of passage, and sketches to accompany division field orders.

Map Room

162. SITUATION MAPS. 1918-19. 138 items.

Annotated and partly overprinted 1:200,000 base and topographic sheets showing army and corps headquarters and boundaries, division headquarters and areas, and some brigade and regimental headquarters. In two files, the one maintained for Gen. Malin Craig includes most dates between November 17, 1918, and January 4, 1919, January 21, February 6, and at about weekly intervals from April 5 to June 30; the other file sent to GHQ includes most dates between December 1, 1918, and January 3, 1919, January 12 and 20, and most of the dates in the Craig file on and after January 21, 1919.

THE AIR SERVICE

163. SITUATION MAP. 1919. 1 item.

A processed sketch map showing the location of Air Service units assigned to the First Army during the Meuse-Argonne operations, prepared January 5, 1919.

THE CHIEF ENGINEER

164. ROAD AND RAILROAD MAPS AND TOWN PLANS. 1918-19. 12 items.

Printed town plans of Bitburg, Coblenz, and Mainz; a general road map and railroad maps of the army area; and an annotated road map of the Rhine district.

THE CHIEF SIGNAL OFFICER

165. COMMUNICATIONS MAPS AND DIAGRAMS. 1919. 15 items.

A manuscript radio network diagram, January 1, and a printed army radio circuit sketch; telephone and telegraph circuit indexes for the

army; a general army sector map; sketches of circuits in maintenance districts; a map of lines and cables in Mainz; and IV Corps area maps of telegraph and telephone lines, a pole-face chart, and circuit layout charts.

OTHER RECORDS

166. MAPS OF LIMITS, ORGANIZATIONS, AND AREAS. 1918-19. 25 items.

Annotated and some printed maps in a bound volume, including copies of a number of maps previously described and maps from GHQ relating to boundaries of the Third Army area.

RECORDS OF CORPS

Corps maps reflect the functions of General Staff sections and also include artillery maps and other material by attached technical services. In many instances partial corps administrative control preceded the appointment of a complete corps staff. Although American divisions participated in operations in the Champagne, there was no American corps there. All of the operations of II Corps were under the British Fourth Army in the Somme. The French Sixth Army directed I and III Corps operations between the Marne and the Aisne during the summer of 1918. The operations of I, III, IV, V, and VI Corps in the St.-Mihiel and Meuse-Argonne offensives were under the American First and Second Armies. The following records also include maps relating to corps activities after the Armistice. Other corps maps are described with historical records (entries 304, 306, and 307).

I CORPS

The I Corps headquarters staff was appointed January 15, 1918. Tactical control over a sector in the Château-Thierry region was assumed July 4 for the operations of the American 2d and 26th Divisions there; other American divisions were under its control on the Marne before it participated in the St.-Mihiel and Meuse-Argonne offensives.

G-1

167. CIRCULATION MAPS. 1918. 9 items.

Annotated 1:80,000 sheets showing reserved roads in the Château-Thierry area and roads, limits, troop-loading points, and railroads in the area north of Toul-Nancy, August 30 and September 6; and processed sketch maps, one dated November 3 and showing circulation north of Buzancy and one showing roads, dumps, hospitals, headquarters, and collecting points for prisoners in the Argonne.

G-2

168. MAPS OF FRONTLINES. 1918. 5 items.

Overprinted and annotated 1:80,000 maps showing Allied lines of advance and corps and divisional boundaries for the Marne, July 15 - August 6, and the Meuse-Argonne, September 26 - October 20 and September 26 - November 8. The latter also shows III and V Corps.

169. ENEMY ORDER OF BATTLE MAPS.

1918. 25 items.

Manuscript, annotated, processed, and overprinted maps on various scales showing German divisions and regiments opposite the corps front, some of which also show the locations of Allied and American units for July 2, 8, 15, 19, 24, 25, and 28, August 8, September 10, 15, 24, and 28, October 1, 4, 7, 9, 10, 14, 16, 19, 25, and 30, and November 1 and 9. Included is a sketch map showing German units on successive lines from September 25 to November 2.

170. MAPS SHOWING ALLIED AND ENEMY INFORMATION. 1918. 30 items.

Manuscript, annotated, processed, and overprinted maps showing the locations of enemy batteries from February 15 to March 20 north of Bouconville-Flirey, the situation of the German 259th Reserve Infantry Regiment on March 26, the French 18th Division facilities on April 2 and 3, German artillery and works around Belleau and Vaux in June and July, organizations around Trugny on July 29, the French artillery observation network on September 10, information from German maps on September 12, and enemy information for the Meuse-Argonne from September 25 to October 25.

171. BASE AND TRENCH MAPS AND TOWN PLANS BY G-2-C. 1918. 20 items.

A reproduction of part of a French 1:20,000 trench map of Château-Thierry centered on Belleau, 1:50,000 sheets of the Buzancy and

St. -Menehould areas, and processed town plans.

G-3

172. OPERATIONS MAPS. 1918. 77 items.

Manuscript, annotated, processed, and overprinted maps on scales of 1:80,000, 1:50,000, and 1:20,000 relating to operations in the Marne, the St. -Mihiel salient, and the Meuse-Argonne, some of which were made to accompany field orders and operations reports, showing in general the circulation, sectors, boundaries, and objective and other lines for American and French units.

173. SITUATION MAPS. 1918. 3 items.

Annotated 1:80,000 and 1:50,000 sheets showing the locations of divisions, brigades, regiments, and attached units on July 12, 26, and August 24.

ARTILLERY

174. OPERATIONS MAPS. 1918. 18 items.

An annotated map to accompany an operations order for Château-Thierry, manuscript data sheets for French artillery, and annotated maps showing French artillery positions for divisions on the southern St. -Mihiel front, positions on October 23 on the northern Meuse-Argonne front, and positions, frontlines, gassed areas, and sectors of fire around Pont-à-Mousson; overprinted 1:10,000 trench maps showing artillery objectives; artillery observation plan for September 10; counteroffensive plan for July 3; and groupings of artillery for September 9.

175. ENEMY ARTILLERY SITUATION AND ACTIVITY MAPS. 1918. 9 items.

Artillery Information Service overprinted base and processed maps showing battery locations near Belleau, July 1-15; Château-Thierry, July 15-19 and 20; in part of the St. -Mihiel salient, September 10 and 15; near Landres-et-St. -Georges, October 5-9; and the grouping of batteries south of Buzancy, October 29, and their activity, October 10-30.

THE AIR SERVICE

176. MAPS OF DEFILADED ZONES.

1918. 2 items.

Annotated 1:20,000 sections of trench maps showing defiladed zones at 800, 1,000 and 1,200 meters on the western face of the St. -Mihiel salient and south of Thiaucourt from two points of ascension, by the Balloon Office.

THE CHIEF ENGINEER

177. MAPS OF POWER NETWORKS.

1918. 2 items.

Blueprints showing power stations, isolated plants, and electric transmission lines near Verdun, Bar-le-Duc, and Nancy, May 7.

178. WATER-SUPPLY MAP. 1918. 1 item.

An annotated 1:80,000 topographic sheet of part of the St. -Mihiel sector relating to the transfer of water-supply responsibility from the French, submitted May 27.

179. TOWN PLAN. 1918. 1 item.

A printed plan of Abainville made by the Engineer School on July 19 for a defensive locality problem.

THE CHIEF SIGNAL OFFICER

180. MAPS OF COMMUNICATIONS NETWORKS.

1918. 6 items.

Processed diagrams of telephone lines, August 9, September 10 and 24, and October 7 and 15; and a processed reproduction showing the German communications system, September 27.

II CORPS

The II Corps headquarters staff was appointed June 25, 1918. It controlled the operations of the American 27th and 30th Divisions under the command of the British Fourth Army in the Somme offensives in the fall of 1918.

G-2

181. ENEMY INFORMATION MAP. 1918. 1 item.

An overprinted 1:40,000 sheet showing enemy defenses on part of the front south of Le Cateau, October 14.

182. ENEMY ORDER OF BATTLE MAPS.

1918. 6 items.

Overprinted 1:40,000 sheets showing German divisions and regiments opposite the corps front, October 8-10 and 17-19.

G-3

183. OPERATIONS MAPS. 1918. 17 items.

Annotated maps showing areas for divisions attached to the corps on March 18 from Calais to Amiens and lines, positions, boundaries, and works around Ypres; maps to accompany field

orders, September 24 and October 14, and to accompany artillery instructions, October 2; and a map accompanying a report on operations, September 27-October 21, showing frontlines.

184. SITUATION MAPS. 1918-19. 12 items.

Annotated 1:80,000 sheets showing divisional areas, division, brigade, and regimental headquarters, and locations of attached units east of Ypres on July 20 and 27 and August 3, 10, 17, and 31 and south of Le Cateau on October 16 and 20; and 1:200,000 sheets showing areas and general locations north of Le Mans on December 31, 1918, and January 2, 6, and 18, 1919.

THE CHIEF ENGINEER

185. TOPOGRAPHIC MAP AND TOWN PLAN. 1918. 2 items.

A printed 1:10,000 topographic map (fire map) of the area northeast of Châtillon-sur-Seine, and a 1:2,000 plan of Châtillon made by the Engineer School.

III CORPS

The III Corps headquarters staff was appointed June 25, 1918. It controlled the operations of the American 3d, 28th, 32d, and 77th Divisions under the command of the French Sixth Army between the Marne and the Aisne in August and September before participating in the Meuse-Argonne offensive. The corps was attached to the Third Army after the armistice.

G-1

186. CIRCULATION AND BILLETING MAPS. 1918-19. 11 items.

Manuscript, annotated, and processed circulation maps accompanying orders of September 22 and October 3, a processed circulation sketch for October 19, and overprinted 1:50,000 transportation and circulation maps for October 26 and November 6; manuscript and printed sketches of billeting areas showing dugout and barracks capacities, October 30; and an annotated processed map of Coblenz showing billeting capacities.

G-2

187. ENEMY ORDER OF BATTLE MAPS. 1918. 25 items.

Manuscript, annotated, processed, and printed maps in various formats showing enemy regiments, divisions, higher organizations, and information concerning disposition opposite the corps front north of Fismes on August 6 and 30

and along the Meuse on certain days between September 15 and November 7.

188. ENEMY INFORMATION MAPS. 1918. 18 items.

Processed sketch and printed maps showing enemy works on August 7 and 14; overprinted 1:80,000 sheets showing enemy defensive lines across the Meuse on September 24; a 1:50,000 sheet showing positions on September 25; processed maps showing works and dispositions on October 3; overprinted and processed maps showing enemy information in detail around Fismes on September 2 and along the Meuse on October 8, 12, 24, and 31; and a detailed manuscript and annotated study with index and descriptions of enemy works along the Meuse.

189. BASE, ROAD, BRIDGE, AND OTHER PRINTED MAPS BY G-2-C. 1918-19. 17 items.

Printed 1:10,000 and 1:20,000 topographic maps of the Beaurieux and Brioules-sur-Meuse areas; a 1:20,000 section along the Meuse; town plans of Bendorf and Neuweid; overprinted maps showing bridges across the Aisne and canals and roads around Maizy, fords and bridges across the Vesle near Fismes, road conditions south of Laon for June 28, 1918, roads in the Meuse area from a captured German map, bridges and fords along the Meuse south of Stenay for November 7, and road conditions in the Meuse area from aerial photographs for September 19 and November 2; and road maps of the Coblenz area, one overprinted to show YMCA, Knights of Columbus, and Salvation Army facilities.

G-3

190. OPERATIONS MAPS. 1918-19. 23 items.

Annotated maps showing positions on the Marne, June 28 and 30, frontlines in the Meuse-Argonne, September 26-November 11, and corps and division boundaries, September 26-30 and October 4-12; annotated and processed maps to accompany field orders for the later phases of the Meuse-Argonne operations and the advance into and occupation of Germany.

191. SITUATION MAPS. 1918-19. 45 items.

Annotated maps, mostly 1:80,000 topographic sheets, showing the locations of corps units and areas northeast of Château-Thierry, August 3; around Fismes, August 10 and 16; positions in the Meuse corps area on November 9; and for the march into Germany and the Coblenz bridgehead occupation between November 23, 1918, and June 28, 1919.

ARTILLERY192. ENEMY ARTILLERY ACTIVITY MAPS.
1918. 15 items.

Manuscript charts showing batteries active from May through July, for August and the first week of September, and batteries outside the corps area; overprinted and processed battery and activity maps for intervals between August 3 and October 30 around Fismes and in the eastern part of the Meuse-Argonne. Two are Artillery Information Service maps.

THE CHIEF SIGNAL OFFICER193. MAPS OF COMMUNICATIONS NETWORKS.
1918-19. 13 items.

Processed sketch maps of telephone networks between August 29, 1918, and May 5, 1919; processed and printed radio networks for January 14 and May 26, 1919; and a processed base map of Neuweid.

IV CORPS

The IV Corps headquarters staff was appointed June 25, 1918. In the St.-Mihiel offensive the American 1st, 42d, and 89th Divisions were under its direction, and the corps controlled other divisions under the First and Second Armies in the eastern part of the American sector. It was attached to the Third Army after hostilities.

G-2194. ENEMY ORDER OF BATTLE MAPS.
1918. 19 items.

Manuscript, annotated, and overprinted maps with various formats showing the locations of German regiments, divisions, and higher organizations on the front opposite the corps for some days between August 20 and November 10.

195. ENEMY INFORMATION MAPS.
1918. 44 items.

An overprinted 1:50,000 sheet showing artillery networks of the Metz group, August 1; processed maps showing artillery dispositions, September 24, from a captured map; overprinted 1:10,000 trench maps showing enemy information in detail; annotated and overprinted maps of defensive zones, September 24; overprinted map of enemy works around Heudicourt; a graphic chart of communications west of Metz, Octo-

ber 28; and processed sketch maps and some reproduction media, dated between August 25 and November 1, showing information about troop dispositions, signal posts, battery and machine-gun emplacements, obstacles, mines, dumps, strong points, and other works.

196. SURVEY OF GERMAN DEFENSES.
1919. 36 items.

An annotated location map, 35 drawings, and a 9-page report, dated February 13, to the Assistant Chief of Staff, G-2, describing the itinerary, photographs taken, and work done between January 28 and February 12. Fifty German defensive positions, including tank barriers, dugouts, barracks, pillboxes, machine-gun emplacements, signal stations, observation posts, and other works between Montfaucon and the Meuse are shown on the location map and in detail on the drawings.

197. BASE, TOWN, AND OTHER PRINTED
MAPS BY G-2-C. 1918-19. 19 items.

Manuscript, printed, and processed maps of the Metz and Thiaucourt areas and parts of the Rhine Valley; town plans of Altenahr, Coblenz, Cochem, Dungenheim, Mainz, St.-Julien-Gorze, and Toul; a First Army circulation map, August 30; a processed sketch of corps billeting zones showing camps, towns, and roads; a manuscript air patrol map showing flight paths, November 6-10; a processed sketch of the Allied front, November 25; and a general map of telephone networks in the Trier district.

G-3

198. OPERATIONS MAPS. 1918. 11 items.

Overprinted 1:80,000 sheets showing boundaries and objectives, September 9 and 12; annotated and overprinted maps to accompany field orders, September 12; a manuscript map of the German order of battle around Dampvitoux to accompany a field order; annotated manuscript maps to accompany a field order, October 13; annotated joined 1:200,000 sheets showing in detail the infantry and artillery dispositions and work done on lines, October 15, in the 7th, 37th, and 92d Division areas; and annotated 1:80,000 sheets showing corps and division roads for the movement into Germany.

199. SITUATION MAPS. 1918. 12 items.

An annotated 1:80,000 sheet showing divisions and regiments and their areas in line from Xivray to east of Pont-à-Mousson,

August 15; a processed Allied order of battle map for August 31, and processed progress map for September 13; annotated 1:50,000 and 1:80,000 sheets showing divisions, regiments, and battalions and their areas in the Thiaucourt area, November 6, 10, and 11; and progress and situation maps relating to the march into Germany consisting of annotated 1:80,000 and 1:200,000 sheets showing the positions of leading divisions, November 17-21, and of units, November 22-December 11.

ARTILLERY

200. OPERATIONS MAPS. 1918. 3 items.

An overprinted 1:50,000 sheet showing zones of action for corps and divisional artillery in the St.-Mihiel sector, September 5; and processed sketches of artillery communication lines, October 3 and 23.

201. ENEMY ARTILLERY ACTIVITY MAPS. 1918. 2 items.

An overprinted 1:50,000 sheet by the Artillery Information Service showing battery positions and caliber of guns southwest of Metz, October 8, and a sketch showing battery positions and caliber of guns in action, October 15 to November 1.

THE CHIEF SIGNAL OFFICER

202. MAPS OF COMMUNICATIONS NETWORKS. 1918-19. 2 items.

Printed charts of telephone networks in IV Corps area, December 22, 1918, and February 19, 1919.

V CORPS

The V Corps headquarters staff was appointed August 19, 1918. The corps controlled the American 4th and 26th Divisions in the St.-Mihiel offensive. Other American divisions were under its control during the course of the Meuse-Argonne offensive.

G-1

203. CIRCULATION AND ADMINISTRATION MAPS. 1918. 4 items.

A processed 1:50,000 sketch map showing the plan for using roads north and south of the front around Avocourt, September 22; 1:50,000 topographic sheets overprinted to show circulation in the Meuse-Argonne, November 5 and 12; and a topographic sheet overprinted to show administration and supply, October 28.

G-2

204. ENEMY ORDER OF BATTLE MAPS. 1918. 18 items.

Annotated and overprinted 1:20,000 sheets and a processed sketch showing regiments and divisions opposite the corps front on September 28, between October 2 and 16, and on October 29.

205. ENEMY INFORMATION MAPS. 1918. 17 items.

For part of the western face of the St.-Mihiel sector, overprinted 1:10,000 maps showing enemy works and positions, an annotated 1:20,000 map showing the frontline as reported by airplane, September 12, an overprinted 1:10,000 sheet showing frontlines, September 12-15, and an annotated map showing enemy outposts from Watronville to Combres; and for part of the Meuse-Argonne area, overprinted and processed maps showing frontlines on September 28 and 30 and processed and manuscript maps of enemy works, October 6 and 25.

206. MAPS TO ACCOMPANY REPORT. 1918-19. 16 items.

Base and trench maps overprinted to illustrate the St.-Mihiel and Meuse-Argonne operations, chiefly showing German positions and order of battle, submitted with G-2 report.

207. BASE, TOWN, ROAD, AND OTHER PRINTED MAPS BY G-2-C. 1918. 16 items.

Special 1:50,000 topographic sheets and extracts of 1:20,000 base maps; town plans of Benoîte-Vaux and Thillot-sous-les-Côtes; printed and processed maps showing roads and railroads northwest of Le Mans, around Sedan, and between Verdun and the Argonne; a block diagram and report on the relationship of topography, geology, and military operations in the Argonne; a sketch of the general telephone network; a sketch of the French frontier showing railways and physiographic provinces; and a processed telephone diagram showing lines in operation, projected, and abandoned.

G-3

208. OPERATIONS MAPS. 1918. 16 items.

Annotated maps showing troop dispositions, corps boundaries, and units and progress lines in the St.-Mihiel operation; annotated, processed, and overprinted 1:50,000 and 1:20,000 maps to accompany field orders and, for the beginning of the Meuse-Argonne operations,

showing boundary and objective lines; and overprinted sheets showing objectives and other details of enemy positions, October 25 and 30.

ARTILLERY

209. OPERATIONS MAPS. 1918. 19 items.

Joined 1:20,000 sheets annotated to show details of the French artillery organization behind the front from La Harazée to Avocourt; annotated 1:20,000 sheets showing artillery positions around Gesnes and Romagne-sous-Montfaucon; overprinted maps showing artillery positions; an overprinted barrage chart for the Rémonville area; an organization chart for the November 1 attack and a diagram of the artillery telephone network; and overprinted maps of artillery objectives, September 29 and October 30, and of enemy artillery activity September 28-October 11. There are additional manuscript and printed barrage charts for October 30 from the Office of the Chief of Artillery.

THE CHIEF ENGINEER

210. BILLETING MAP. 1918. 1 item.

Blueprint sketch map showing billeting capacities in the V Corps area on October 21, corrected on October 26.

VI CORPS

The VI Corps headquarters staff was appointed August 19, 1918. It controlled the American 92d Division under the Second Army in the sector east of the Moselle at the end of hostilities and other units near Villerupt after hostilities.

G-2

211. ENEMY ORDER OF BATTLE MAP. 1918. 1 item.

An overprinted 1:50,000 sheet showing battalions, regiments, divisions, and higher organizations from south of Waville to Eply, October 27.

212. ENEMY INFORMATION MAP. 1918. 1 item.

A processed sketch map showing details of German positions as obtained through prisoner interrogation, November 3.

213. ROAD MAP. 1918. 1 item.

A 1:200,000 base map by G-2-C showing roads southwest of Metz as traced by the corps' topographic section.

G-3

214. OPERATIONS MAPS. 1918-19. 7 items.

An annotated 1:20,000 map of 92d Division operations in the corps report; a map showing positions of corps units to battalion level, batteries, area boundaries, and lines on November 6; overprinted 1:200,000 sheets showing army, corps, and division areas, January 12, 1919, to accompany a field order, February 9, 1919; and an annotated 1:20,000 sheet showing the southern limit of the Third Army and the VI Corps, effective April 1, 1919, and the location of units, with attached station list.

ARTILLERY

215. ENEMY ARTILLERY SITUATION MAPS. 1918. 3 items.

Overprinted 1:20,000 trench maps by the Artillery Information Service showing the presumed location of enemy batteries, October 31.

VII CORPS

From August 20, 1918, the VII Corps exercised administrative control over American divisions training with the French in the Vosges sector. The corps later participated in the occupation of Germany under the Third Army.

G-2

216. ROAD MAP. 1918. 1 item.

An overprinted 1:200,000 map showing army and corps areas and roads, November 22.

217. ROAD MAPS, TOWN PLANS, AND OTHER PRINTED MAPS BY G-2-C. 1918-19. 8 items.

Blueprint 1:200,000 occupation area road map and corps road map, January 31, 1919; processed Trier-Coblenz circulation map, February 9; blueprint map of railroads and railheads, January 29; blueprint maps showing location of welfare activities and entertainment halls; and blueprints of Wittlich and Virton, with a directory of office billets.

G-3

218. SITUATION MAPS. 1918-19. 94 items.

Annotated 1:200,000 maps showing corps and divisional boundaries, brigade and regimental areas, and locations of attached units on September 25, 1918; daily from November 22, 1918, to January 1, 1919; on January 9, 18, 23, and 29; February 1 and 15; March 12; April 1 and 15; and

May 3 and 10. Station lists accompany many of the maps. There are similar maps, called phase maps, showing the development of corps and division areas for November 21, 22, 25, and 29 and December 5, 6, 10, 12, 17, and 31. Manuscript maps, called operations maps, show similar information for the period between December 3 and 31.

219. MAPS SHOWING POSITIONS AND AREAS. 1918-19. 7 items.

Annotated 1:20,000 maps showing sectors and positions in the Vosges and a 1:80,000 map of billeting areas showing units on November 27, 1918; 1:200,000 blueprints, one annotated, showing guardposts in the corps area, May 1919; and an annotated 1:20,000 sheet showing billeting zones in northeastern France and Luxembourg.

THE CORPS ENGINEER

220. RAILROAD MAP. 1918. 1 item.

Blueprint sketch map showing railroads in parts of the Moselle and Rhine Valleys.

THE CHIEF SIGNAL OFFICER

221. COMMUNICATIONS MAPS. 1918-19. 6 items.

Processed maps and blueprints of telephone and telegraph networks showing circuits, stations, and units on December 27, 1918; January 1, 1919 (telephone only); January 21 (also wire and wireless communication); February 15; and March 26, 1919.

VIII CORPS

The VIII Corps headquarters staff was appointed November 29, 1918, and supervised the activities of a number of divisions until April 20, 1919.

G-1

222. CIRCULATION MAPS FOR TERRAIN EXERCISES. 1919. 2 items.

Processed 1:50,000 sketch maps to accompany 77th Division terrain exercises west of Chaumont.

G-2

223. ENEMY INFORMATION MAPS FOR TERRAIN EXERCISES. 1918-19. 5 items.

Processed maps for 77th Division terrain exercises showing enemy works on December 20, 1918, and enemy order of battle, sector occupation, and trenches on January 13, 1919.

224. ROAD MAP. 1919. 1 item.

Printed 1:50,000 Châtillon road map by G-2-C showing training areas between Tonnerre and Chaumont.

G-3

225. SITUATION MAP. 1919. 1 item.

Joined 1:80,000 sheets overprinted to show areas and locations of units of the 6th, 77th, and 81st Divisions, January 1, 1919.

IX CORPS

The IX Corps headquarters staff was appointed November 29, 1918, and supervised the activities of a number of divisions until May 5, 1919.

G-2

226. OPERATIONS MAP. 1918. 1 item.

An overprinted 1:80,000 sheet by G-2-C showing German defensive lines, division and corps boundaries, and points of interest in the St.-Mihiel offensive, September 12-15.

RECORDS OF DIVISIONS

The maps of each division, with some minor exceptions, are in one or more of three standard series. Most of the "Report Maps" were produced after the war in the G-3 Map Room, GHQ. The information on them is usually in the form of annotations. In general they relate to operations, and they are described in chronological order. The "Situation Maps," showing the location of troops, were produced by the divisions during military action and forwarded to G-3,

GHQ. Most of them were dated when they were received by the Map Room, and troop locations are usually shown by annotations on 1:80,000 topographic maps or other kinds of base maps. Only the date or general locale is given for these maps in the description. "Other Maps" consist of printed or processed maps made by division G-2's, G-2-C's, or engineers, maps similar to "Report Maps" (which may be office or working copies), and a variety of miscellaneous material.

Still other division maps are described with the historical records.

1st DIVISION

227. REPORT MAPS. 1918. 28 items.

Annotated maps showing lines, objectives, and positions for the Soissons operation, July 18-25; an annotated map to accompany a field order on April 12 in the Gisors area; an annotated map showing positions in the Sommerviller sector; material for the Cantigny sector, including operations maps and plans and communications diagrams; an annotated circulation map of August 30 to accompany a field order; a plan of attack in the St.-Mihiel sector to accompany a field order of September 9; and annotated maps to accompany field orders for the Meuse-Argonne operations, and operations maps for the Meuse-Argonne, October 1-12 and November 5-7.

228. SITUATION MAPS. 1918. 38 items.

February 25, March 1, 12, 19, April 22, 27, 29, May 11, 12, 19, 26, June 2, 4, 9, 10, 16, 27, 30, July 6, 18, 27, and August 9, 15, and 16.

229. OTHER MAPS. 1918-19. 110 items.

Printed and processed maps, including items for the Cantigny sector showing defense plans, information from aerial photos, sector organizations, the employment of tanks, and trenches and works; diagrams of divisional communications and liaison systems; maps showing lines, areas, general operations, and sector organizations; trench and sector maps for the Ansauville sector and the Argonne; and maps related to the occupation of Germany, including road maps, sheets of division outpost areas, maps of the bridgehead area, and diagrams of communications and power systems around Montabour. Manuscript and annotated maps showing in detail the occupation of the Royaumeix sector; a few maps for the Cantigny sector; general operations for Soissons, July 18-25, and the Meuse-Argonne, November 5-7; the enemy order of battle, October 8; positions of the 1st Field Artillery Brigade near Putschbach; and a large compiled map showing areas battled over by the 1st and other divisions.

2d DIVISION

230. REPORT MAPS. 1918. 16 items.

An annotated attack plan for the St.-Mihiel salient, September 12; an annotated operations map and attack plan showing lines and positions for the capture of Blanc Mont Ridge, October 3-9;

annotated maps for the later phases of the Meuse-Argonne operations, including a map showing successive positions, November 1-11, 3d Brigade lines and objectives, November 3-11, and positions, November 11; maps showing 4th Marine Brigade operations, October 24-November 11, 9th Infantry lines and objectives and positions for the 1st Battalion, November 6-11, and 5th Machine Gun Battalion operations, November 1-11; and a manuscript engineer road sketch, November 4.

231. SITUATION MAPS. 1918. 70 items.

February 7, March 10, 19, 30, April 24, May 9, 11, 17, 24, June 5-8, 13-28, July 1-4, 6, 8, 9, 11-13, 15, 18, 27, August 9, and October 17, 18, and 22. Many items from June 13 through July 13 show information as processed overprints.

232. OTHER MAPS. 1918-19. 194 items.

Printed and processed maps including items for the Belleau-Vaux-Bouresches area showing information from aerial photos; artillery firing plans for June and July; a telephone liaison sketch for July 2; engineer road maps for July 20 and for certain days between October 8 and November 5; enemy order of battle maps, June 11-16, 22, and 25; road maps and sketches of communications systems for the German area occupied by the division; and various maps showing the routes of the division, roads, areas, and other details. Manuscript and annotated maps showing enemy works and movements for June 2 and daily from June 11 through July 8; enemy activity daily from June 13 through July 8; positions around Vaux; 4th Brigade machine guns, June 13; hospitals and dumps southwest of Bouresches; the September 12 plan of attack in the St.-Mihiel sector; Allied and enemy order of battle, June 3 and 4; artillery plans, June 11 and 24; and the occupied area of Germany. There are also samples retained as examples of various reproduction media, some of which contain information not covered by maps previously described.

3d DIVISION

233. REPORT MAPS. 1918. 46 items.

Manuscript, annotated, and printed maps showing St.-Mihiel and Meuse-Argonne operations, October 2-26, German 10th Infantry Division operations, and German mortar and smoke targets; 6th Infantry Brigade positions, August 7; movements of the 4th Infantry Regiment, July 15-31; positions of the 38th Infantry Regiment by company, July 14-16 and 21-23;

3d Field Artillery Brigade positions, July 14-August 1; and 18th Field Artillery Brigade positions, July 13-August 1.

234. SITUATION MAPS. 1918. 24 items.

June 2/3, 5, 7, 13, 13/14, 14, 17, 20/21, 22, 24, July 11, 12, 14/15, 15 (6th Brigade), n.d. (38th Infantry on the Marne), August 12 and 24, and September 21 and 28.

235. OTHER MAPS. 1918. 3 items.

A processed map showing hostile shelling on the Marne, June 14-21; a manuscript plan of Gondrecourt; and an annotated road map showing telephone lines for a terrain exercise northwest of Gondrecourt.

4th DIVISION

236. REPORT MAPS. 1918. 4 items.

Manuscript and annotated maps showing Meuse-Argonne operations, September 26-October 19; the situation west of Fismes on August 11; and telephone, telegraph, and buzzer communications in the Meuse-Argonne.

237. SITUATION MAPS. 1918-19. 15 items.

June 16, 18, 20, July 11, 12, 25 (39th Infantry), August 18, and September 28, 1918, and April 15, 1919; and the 47th Infantry, July 29-31, August 7-9, and September 26-October 28, 1918.

238. OTHER MAPS. 1918-19. 9 items.

Annotated maps showing advances of the division on the Marne, July 18-August 12; occupation plan, observation plan, and positions to company level in the Toulon sector from Watronville to Trésauvaux, about September 14; a sketch map showing routes and training, battle, and occupation areas; a general road map of the occupation area; and a processed sketch of telephone lines, April 18, 1919.

5th DIVISION

239. REPORT MAPS. 1918. 2 items.

Overprinted and annotated maps of the Meuse-Argonne operations, October 12-November 11, showing lines of advance, dates, and opposing enemy units.

240. SITUATION MAPS. 1918. 12 items.

June 13, 18, 20, July 20, August 4, 10, 11, 19, 22, n.d. (around Heippes), n.d. (north of Bar-sur-Aube), and November 11.

241. OTHER MAPS. 1918. 5 items.

An overprinted circulation map for the area west of the Moselle; an annotated map and report on shelters in the division sector by the division engineer; a printed plan of Esch-sur-Alzette by G-2; and annotated maps similar to the report map.

6th DIVISION

242. SITUATION MAPS. 1918. 7 items.

September 16, 18 (51st Infantry), 23, and October 2, 8, 9, and 16. In the Gérardmer sector, on the line Orbey to Sengeren, and in the rear of the sector awaiting entrainment.

7th DIVISION

243. REPORT MAPS. 1918. 7 items.

Manuscript and annotated maps showing the situation west of the Moselle, October 11 and November 11, and the situation of the 14th Infantry Brigade, November 10; maps to accompany field orders for the 13th Brigade and for the division; and an artillery plan for the 13th Brigade, November 11.

244. SITUATION MAPS. 1918-19. 14 items.

December 3 and 19 (34th Infantry), January 20 and 21, February 11/12, 20, 25, March 26, and six undated items showing units of the 13th and 14th Infantry Brigades.

245. OTHER MAPS. 1918. 3 items.

A printed 1:20,000 topographic sheet for Saizerais; a 1:50,000 topographic sheet for Colombey-les-Belles; and an overprinted 1:50,000 sheet showing brigade and regimental sector boundaries west of Pont-à-Mousson.

26th DIVISION

246. REPORT MAPS. 1918. 17 items.

A blueprint map for the Seicheprey raid and annotated maps showing positions, gun locations, time of fire, and targets, April 20; annotated maps showing positions and movements for operations on the Marne, July 17-25; and manuscript artillery positions and firing charts.

247. SITUATION MAPS. 1918. 35 items.

February 2, 7, 10, 21, 23, March 9, April 5, 8, 9, 16, 23, 30, May 2, 7, 11, 14, 16, 20, 24, 25, 27, June 3, 10, 17, 24, 30, n.d. (Marne), July 12, and November 7, 16, and 23.

248. OTHER MAPS. 1918. 36 items.

A manuscript map of German positions and camps in the Seicheprey area in March; annotated maps showing lines in the Marne, St. - Mihiel, and Meuse-Argonne areas; an annotated map showing roads used by the enemy in the St. -Mihiel salient in May; maps to accompany field orders; manuscript artillery firing plans for July, and similar plans from the French for October; various manuscript sketches of positions; annotated maps similar to report maps; and a processed sketch of the 51st Infantry Brigade telephone system.

27th DIVISION

249. REPORT MAPS. 1918. 18 items.

An annotated map showing the operations at Vierstraat Ridge, August 31-September 2; annotated maps for Le Catelet area operations, including maps showing preliminary operations for September 27, plan of attack for September 29, enemy order of battle for September 24 and 30, German dugouts, tunnels, and defenses south of Gouy, and bombardment and barrage plans to accompany Australian Corps instructions of September 24, 27, and 28; and annotated and printed maps for operations south of Le Cateau showing objective lines and plan of attack, October 14 and 17, barrage areas, October 15 and 17, and German order of battle and works, October 12 and 15.

250. SITUATION MAPS. 1918. 6 items.

August 24, 26, n.d. (Corbie), September 9 and 16, and November 4.

28th DIVISION

251. REPORT MAPS. 1918. 13 items.

Annotated and manuscript maps showing positions of units, August 10; plans of defense and artillery firing for the Fismes sector; roads around Épernay; positions to accompany a field order of September 7; positions, objective lines, boundaries, and barrage plan for the Meuse-Argonne, September 28-October 9; and patrols around La Chaussée between October 21 and November 10.

252. SITUATION MAPS. 1918. 8 items.

June 17, n.d. (Marne), July 12, 16, 28, August 26, September 14 and n.d. (south of Toul).

253. OTHER MAPS. 1918. 18 items.

Various annotated and processed maps showing areas around Paris, roads and routes of march

around Épernay, and lines and boundaries in the Meuse-Argonne and around La Chaussée; various manuscript position sketches; and a processed map to accompany a field order of September 7.

29th DIVISION

254. REPORT MAPS. 1918. 3 items.

Annotated maps showing positions and objectives for operations in the Consenvoye area, October 8-30.

255. SITUATION MAPS. 1918. 8 items.

July 17 and 29, August 4, 11, 19, 24, and September 1 and 18.

30th DIVISION

256. REPORT MAPS. 1918. 3 items.

An annotated operations map covering the period from September 27 to October 20, with attached barrage map; and annotated maps showing communications constructed between October 4 and 30 and part of the operations shown on the operations map in the area around Bellicourt, St. -Souplet, and Mazinghien.

257. SITUATION MAPS. 1918. 6 items.

August 24 and 26, September 9 and 16, October 9, and November 4.

31st DIVISION

258. SITUATION MAP. 1918. 1 item.

An annotated map faintly showing divisional positions around Jaulny, ca. September 22.

32d DIVISION

259. REPORT MAPS. 1918. 8 items.

Annotated and printed maps showing positions, objective lines, and boundaries from the Marne to the Aisne, July 18-August 5 and July 29-August 7; operations around Juvigny, August 27-September 2, and the capture of Juvigny, August 30; operations in the Meuse-Argonne, September 30-October 20; and positions east of the Meuse, November 9-11. A map to accompany a field order of October 8.

260. SITUATION MAPS. 1918. 15 items.

May 10 and 11, June 20, 22, n.d. (Vosges sector), July 22 and 29, August 1, 2, 31, and September 7 and 14.

261. OTHER MAPS. 1918-19. 9 items.

A processed map showing the advance of the division, July 29-August 5; printed road maps;

annotated maps showing positions east of Avocourt and the town of Grenzhausen as occupied by the 146th Field Artillery Regiment; an artillery plan of defense, January 9, 1919, by the 158th Field Artillery; and a plan of defense for the area northeast of Neuweid.

33d DIVISION

262. REPORT MAPS. 1918. 31 items.

A processed map showing areas of operation between Amiens and Albert, July 19-August 20; annotated maps showing operations around Albert and Bray-sur-Somme, August 2-18, operations of the 130th Infantry, July 1-August 24 and July 18-August 24, and situation, August 8; an annotated general divisional operations map showing the area east and west of the Meuse and headquarters at Troyon-sur-Meuse; annotated and processed maps showing zones and sectors and German defense lines; processed reprints of French maps showing German order of battle, September 12-October 15; a manuscript map showing German machine gun positions; and annotated, manuscript and processed maps relating to the operations beginning September 26 of the 129th, 130th, 131st, and 132d Infantry and the 52d Field Artillery Brigade.

263. SITUATION MAPS. 1918. 12 items.

July 29, August 4, 11, 16, 18, n.d. (Amiens), September 21 and 28, October 2, 16, n.d. (northwest of Verdun), and December 3.

264. OTHER MAPS. 1918. 98 items.

Maps printed after the war, numbered 1-46, illustrating division operations; a processed map of the Fromerville area; various annotated maps showing the operations of the 131st Infantry, principally dispositions and plans of defense; maps to accompany field orders; and maps showing staging areas for the march into Germany.

35th DIVISION

265. REPORT MAPS. 1918. 1 item.

An annotated map showing positions of command and sectors east of Verdun, made to accompany field orders and instructions, October 11-November 8.

266. SITUATION MAPS. 1918. 13 items.

July 20 and 29, August 4, 11, 17, 18, and 26.

36th DIVISION

267. REPORT MAPS. 1918. 14 items.

Annotated operations maps showing lines and positions from Somme-Py northward to Attigny, October 11-14, and enemy positions around Attigny, October 20; a sketch to accompany a field order; a manuscript sketch of communications lines; and detailed annotated and manuscript maps of the operations of the 71st Infantry Brigade, October 6-11, 26, and 27.

268. OTHER MAPS. 1918. 18 items.

Annotated maps similar to report maps; a processed sketch of communications lines; processed maps showing enemy positions for October 15-26 and other information by G-2-C; a manuscript sketch of 67th Field Artillery Brigade positions, October 9; and annotated and processed maps showing positions of units, November 6 and 28.

37th DIVISION

269. REPORT MAPS. 1918. 9 items.

Annotated operations maps showing objective lines, boundaries, and positions in the Meuse-Argonne from Avocourt to Cierges, September 26-October 1; annotated operations maps showing objective lines, boundaries, and positions in Flanders between the Lys and the Escaut, October 31-November 4; an annotated map showing positions, November 2-4; manuscript maps showing enemy works east of the Escaut and positions of the 74th Infantry Brigade around Syngem; and annotated operations maps for the crossing of the Escaut, November 9-11.

270. SITUATION MAPS. 1918-19. 9 items.

July (n.d., Alençon), August 12, 15, 26, September 9, October 23 and 28, and November 6, 1918, and February 20, 1919.

271. OTHER MAPS. 1918. 4 items.

Annotated maps similar to some of the report maps described in entry 269.

41st DIVISION

272. AREA AND ARTILLERY MAPS, 1918-19. 5 items.

Annotated maps showing areas around St. -Aignan, brigade and regimental control for the 66th Field Artillery Brigade, January 11, 1919, and around Höhr and dorf boundaries in the same area; a manuscript map of Bendorf showing

billeting areas for the 146th Field Artillery, April 24, 1919; and a manuscript sketch showing battery positions and other details for the 146th.

42d DIVISION

273. REPORT MAPS. 1918. 15 items.

Manuscript sketches of positions around Badonviller; manuscript and annotated maps of the area around Cuisles to accompany a general order of June 30; an annotated plan of attack north of Château-Thierry; a manuscript sketch to accompany a march order of August 9; an annotated map to accompany field orders of September 13-16, showing lines and positions north of Flirey; a manuscript artillery plan with sector limits; a processed map showing corps and division boundaries, September 18, in the St.-Mihiel sector; and an annotated map showing limits as defined in field orders for the November 8 operations near Sedan.

274. SITUATION MAPS. 1918-19. 56 items.

Annotated for February 14, 21, 24, March 4, 10, 20, 23, April 25, May 11, June 1, 7, 17, July 8, 14, 22, 25, August 14 and 27, October 2, and November 10 and 16/17. Processed and annotated for November 21-23, 28, December 1, 4, 5, 6-9, 14-16, 19, 24, January 7, 8, 17, and March 3.

275. OTHER MAPS. 1918-19. 42 items.

Annotated maps showing details of sector occupation and positions around Badonviller; manuscript sketch of positions of the 67th Field Artillery Brigade, July 6; annotated maps showing lines and sectors in the St.-Mihiel area; processed artillery firing plans; annotated operations maps showing lines and positions in the Meuse-Argonne; an annotated artillery preparation map for October 14; annotated maps showing lines and sectors south of Sedan; various processed and manuscript maps, including a sketch of courier service; an annotated positions map around Arlon and phase maps for the march into Germany; annotated and processed maps of the division occupation area around Ahrweiler; road maps; and maps to accompany field orders.

77th DIVISION

276. REPORT MAPS. 1918. 6 items.

An annotated operations map showing lines and boundaries, August 11-September 16, west and north of Fismes; annotated maps showing boundaries, September 26-November 11, in the

Meuse-Argonne and details of the attack on Grandpré, October 15-16.

277. SITUATION MAPS. 1918. 6 items.

July 19 and 26, August 1, 24, 31, and n. d. (Fismes).

278. SPECIAL MAP FILE. 1918-19. 86 items.

A set of printed and processed maps and a set of annotated and manuscript maps received in 1935 from the division's organized reserves. The printed and processed maps, mostly by G-2 and division engineers, consist of extracts of topographic maps, road maps, maps designed to show troop location, maps showing enemy works and order of battle, a town plan of Châteauvillain, blueprint maps showing lines and advance, maps of the divisional training area, maps to accompany terrain exercises, and a map relating to the Presidential Review near Langres on December 25. The annotated maps are related to the general operations of the division, copies of which are described in other entries, and to the terrain exercises. Manuscript enemy activity outlines, similar to those described in the following entry, show a great amount of detail for August 4 through September 3 in the enemy area opposite the division sector.

279. OTHER MAPS. 1918-19. 14 items.

A detailed annotated map, dated February 1919, composed of joined sections of trench maps, showing the advance from Le Four de Paris to the Meuse near Sedan and the disposition of troops on November 11; annotated sheets related to the general operations map; a processed data map for the Vesle River near Fismes; annotated maps showing lines in the Meuse-Argonne; manuscript enemy activity outlines showing gassed and shelled areas in the Argonne, September 21-22, and in the Verpel sector, October 31-November 1; and an annotated map showing the route of march to the training area, November 24.

78th DIVISION

280. REPORT MAPS. 1918. 21 items.

An annotated situation map that also shows boundaries for September 26 in the Thiaucourt area, and annotated positions maps in the same general area accompanying field orders of September 10-12; an annotated map showing frontlines, September 15-October 4, the September 22 attack on Mon Plaisir Ferme and the October 3 raid on Rembercourt by the 312th Infantry; and annotated maps for the Meuse-Argonne operations showing lines and boundaries, October 16-

November 1, northward from Grandpré, and boundaries, lines, and bridges around Grandpré.

281. SITUATION MAPS. 1918. 9 items.

June 12-July 19, July 19-August 12, July 29, n.d. (St.-Pol-Arras), and November 19.

282. OTHER MAPS. 1918-19. 5 items.

Annotated maps showing proposed boundaries east of Arnèke, positions, lines, and sectors around Thiaucourt, and the route of the 311th Infantry, November 7-11; a manuscript chart showing places, dates, means of travel, and distances for the 311th Infantry; and a printed map showing travel routes, areas, and places in Europe associated with the division.

79th DIVISION

283. REPORT MAPS. 1918. 2 items.

Annotated operations maps showing lines, boundaries, and positions in the Meuse-Argonne and in the Montagne sector east of the Meuse.

284. OTHER MAPS. 1918-19. 9 items.

Annotated maps showing areas and boundaries northeast of Consenvoye, dumps in the area between the Meuse and the Moselle, and material for terrain exercises.

80th DIVISION

285. REPORT MAPS. 1918. 5 items.

An annotated map to accompany a field order of September 22; a map showing dumps and depots; annotated operations maps showing lines, objectives, and boundaries, September 26-29 and October 4-12, and lines, advances, and limits beginning November 1; and a manuscript I Corps circulation map for the Meuse-Argonne.

286. SITUATION MAPS. 1918-19. 9 items.

August 18, n.d. (Doullens), September 21 and 28, and October 31, 1918, and February 25, 1919.

287. OTHER MAPS. 1918. 11 items.

An annotated map showing demolitions around Ypres; manuscript artillery maps showing unit locations, November 1-7, and the positions of the 160th Field Artillery Brigade, November 3; and various annotated maps showing positions and areas in the Meuse-Argonne and around Bar-le-Duc.

81st DIVISION

288. REPORT MAPS. 1918. 10 items.

An annotated map showing operations east of the Meuse from Abaucourt to Manheulles, November 7-11; and annotated, manuscript, and blueprint maps for parts of the same area and around Verdun relating to operations of the 321st and 323d Infantry, the 316th Machine Gun Battalion, the 306th Military Police Company, and the 306th Sanitary Train.

289. OTHER MAPS. 1918. 5 items.

Processed maps to accompany terrain exercises; an annotated map showing the location of units around Châtillon-sur-Seine; and annotated maps showing lines held in the St.-Dié sector, September 18-October 19, and in the Sommedieu sector, November 5-11.

82d DIVISION

290. REPORT MAPS. 1918. 4 items.

Annotated maps showing lines east of the Meuse, September 12-16, lines and positions in the Meuse-Argonne, October 7-31, and positions on the edge of the Argonne; and a manuscript overlay showing unit positions.

291. SITUATION MAPS. 1918. 13 items.

July 9, 18, 26, August 2, 9, 23, 30, September 5 and 12, and November 6, 11, and 20. All but the first two show information as a processed overprint.

292. OTHER MAPS. 1918. 3 items.

An annotated plan of advance, November 1 and 2, in the Meuse-Argonne south of Buzancy; a processed map showing positions around Florent; and a manuscript sketch showing railroad guards from Thalfang to Geisfeld.

88th DIVISION

293. SITUATION MAPS. 1918. 5 items.

October 2, 9, 20, 23, and 30 in the Vosges sector east of Belfort.

89th DIVISION

294. REPORT MAPS. 1918. 8 items.

Processed artillery firing plans; a manuscript attack plan for September 12-13; and annotated maps for Meuse-Argonne operations showing barrages, the locations of battalions

and command posts of the 56th Field Artillery Brigade, October 26-November 18, and lines of advance, boundaries, and positions, November 1-11.

295. SITUATION MAPS. 1918. 8 items.

August 9, 11, 19, 23, 30, and September 6, 9, and 24.

296. OTHER MAPS. 1918-19. 15 items.

Annotated maps showing gassed areas around Flirey between August 7 and 22, 1918; processed road maps, one annotated to show headquarters locations in the St.-Mihiel area; annotated maps showing sectors and a processed circulation map for the Meuse-Argonne region; printed maps showing places related to division activities and lines in the Meuse-Argonne offensive; and manuscript maps showing frontier guards, guard posts between Trier and Salmrohr, and the location of 356th Infantry railroad guards, February 1, 1919.

90th DIVISION

297. REPORT MAPS. 1918. 8 items.

Annotated processed overlays and a base map for the offensive of September 12 in the Villers-en-Haye sector; annotated maps showing sector limits and line of advance in the Meuse-Argonne north of Romagne-sous-Montfaucon, October 22-31; a machine-gun plan of attack, November 1; and an annotated operations map showing boundaries and lines with a manuscript overlay showing plan of attack for November 1 and advances of artillery elements between November 1 and 10 in the Meuse-Argonne toward Stenay.

298. OTHER MAPS. 1918-19. 11 items.

Printed maps showing frontlines and sector limits on the Moselle, August 24-October 10, and on the Meuse, October 22-November 11; annotated maps to accompany terrain exercises;

annotated and processed maps similar to those described in previous entry; an overprinted road map showing areas and locations of units in Germany; and manuscript sketches showing railroad guards in area of occupation and railroad guards of the 344th Field Artillery.

91st DIVISION

299. REPORT MAPS. 1918. 6 items.

Annotated maps showing lines and boundaries in the Meuse-Argonne, September 26-October 3, and company positions for the 363d Infantry, September 26-October 4; and annotated maps for operations west and east of Audenarde, October 31-November 1 and November 10-11, showing lines, positions, and boundaries.

300. OTHER MAPS. 1918. 10 items.

Annotated and processed maps showing positions northeast of Coutrai, and annotated maps for terrain exercises.

92d DIVISION

301. REPORT MAPS. 1918. 6 items.

Annotated maps showing areas of movement, September 26-October 6, in the Meuse-Argonne, lines and positions east of the Meuse, November 10 and 11, and operations of the 183d Infantry Brigade; and a manuscript and annotated firing plan for the 167th Field Artillery Brigade with firing schedule for November 11.

302. SITUATION MAPS. 1918. 4 items.

September 15 and 22 and December 4 and n. d. (Pont-à-Mousson).

303. OTHER MAPS. 1918. 2 items.

An annotated map showing enemy positions east of the Meuse, and a processed sketch of the 167th Field Artillery Brigade telephone system, November 9.

RECORDS RELATED TO HISTORICAL ACTIVITIES

The writing of official military history relating to the AEF was begun early in 1918. Many AEF maps have notations showing their use for study in connection with the writing of the official history, for intelligence and archival purposes,

for documentary publications, and as historical records. The maps described in the following three sections reflect stages of these activities.

HISTORICAL ARCHIVES, AEF HISTORICAL SECTION

The Historical Archives was established in October 1918 as the depository for material collected by the AEF Historical Section. The latter was the overseas unit within the Historical Branch of the War Plans Division of the General Staff of the War Department, which had been created in March 1918. Historical officers arrived at Chaumont in June 1918 and worked under the Secretary of the AEF General Staff. The maps described below were produced in the G-3 Map Room, GHQ, after hostilities; similar copies made for report purposes occur elsewhere in the inventory, particularly among the division records previously described.

304. FIRST ARMY REPORT MAPS. 1918. 10 items.

For the St. -Mihiel area: annotated maps showing an antiaircraft plan of September 5, lines of advance between September 12 and 14, army objectives, and lines and positions. For the Meuse-Argonne area: annotated maps showing enemy communications and positions and observation plans for September 20 and October 23; an annotated map showing divisional training areas, army and corps artillery areas, army artillery, corps and division positions of command, and field artillery brigades on December 26, 1918; and a manuscript sketch showing units of the 31st, 32d, and 39th Field Artillery Brigades in Army Artillery Area 18.

305. CORPS REPORT MAPS. 1918. 14 items.

For I Corps: an annotated enemy order of battle map for September 10 and a manuscript circulation map for November 1; for II Corps: annotated maps showing lines and boundaries between September 27 and October 21, objectives to accompany a field order for September 24, and operations lines on September 24; for III Corps: annotated maps showing order of battle on September 26, circulation, and successive advances between September 26 and November 11; for IV Corps: annotated maps showing enemy order of battle, the September 6 zones of action for artillery and artillery positions and zones for the St. -Mihiel operations, and lines and positions for the march into Germany, November 17-December 11; and for VI Corps: an annotated map showing operations of the 92d Division, November 10 and 11.

306. DIVISION REPORT MAPS. 1918. 75 items. These annotated and manuscript maps are

similar to the maps described in previous division entries. There are one or more items for the 2d, 5th, 27th, 29th, 30th, 32d, 36th, 42d, 77th, 78th, 80th, 81st, 82d, 89th, 90th, and 92d Divisions.

307. OTHER REPORT MAPS. 1918. 17 items.

An annotated Tank Corps map showing lines and objectives, October 8. Annotated maps for the 56th Engineer Searchlight Regiment showing positions in July around Amiens, Creil, Is-sur-Tille, and Montdidier; in September in the St. -Mihiel area; and in the army area on October 1, November 1, November 1-11, and November 11. Other annotated maps for the searchlight regiment show hostile airplane directions; searchlight positions; and bombed areas around Amiens, July 1-31, around Creil, July and August, north of Montdidier, July 21-31, and in the army area, September and October. There is also a copy of an Italian Fourth Army map showing enemy communications, October 10.

HISTORICAL BRANCH, WAR PLANS DIVISION

In August 1918 the writing of AEF history was eliminated from the work of the Historical Branch of the War Plans Division. Thereafter, the Historical Branch concentrated on the collection, classification, and preservation of historical records. The troop organization records collected by the AEF Historical Section in France were placed in its custody; other AEF records were sent to the Adjutant General. In 1921 the Historical Branch became the Historical Section of the Army War College, and in 1922 the records in its custody were transferred to the Adjutant General. Most of the maps described below are annotated and manuscript maps, bear the Historical Branch stamp, and are classified according to the Adjutant General's system.

308. MAPS OF TROOP ORGANIZATIONS. 1918-20. 737 items.

Annotated and a few manuscript maps for the First and Third Armies; for I-VIII Corps; for all the regular divisions except the 6th and 8th; for the 26th, 29th, 30th, 36th, 42d, 76th, 77th, 89th, and 92d Divisions; and for some French and Italian organizations. Many of the maps show details of operations, troop locations, and defensive organizations. The Adjutant General's Office numerical classification system indicates the troop unit, staff section, and general subject matter of the map. For some maps only the base or overprinted part was classified; therefore, the information shown by annotations may not always be indicated by the classification.

HISTORICAL SECTION, ARMY WAR COLLEGE

The Historical Section of the Army War College was created in 1921 from the Historical Branch of the War Plans Division. Between 1922 and 1929 the section resumed the writing of historical military monographs. At the same time the preparation of textual and cartographic publications relating to the 1st and 2d Divisions was undertaken by division societies using Historical Section and other military facilities and personnel. Many of the maps described below were reproduced in atlases accompanying published division records. Maps in entries 309 and 310 include those that are unique, copies from other files, and items acquired by division societies; they are arranged by subject matter. Most of the maps by the Engineer Reproduction Plant were copied from maps filed with GHQ records, described in entries 228 and 231. After 1929 the Historical Section stopped writing monographs and returned to the arranging, collecting, and cataloging of records, the results of which appear in the 17-volume work described in the introduction to this inventory.

1st DIVISION

309. SECTOR, OCCUPATION, AND OTHER MAPS. 1918-19. 366 items.

Manuscript and annotated maps consisting of operations maps for the Ansauville, Cantigny,

St.-Mihiel, and Meuse-Argonne sectors, firing plans for the 1st Field Artillery Brigade; various maps relating to the occupation of Germany; tracings of German maps and of maps in other files; and reproduction media related to the 1st Division Atlas.

2d DIVISION

310. SECTOR, OCCUPATION, AND OTHER MAPS. 1918-19. 529 items.

Manuscript and annotated maps consisting of operations maps for the Château-Thierry, Soissons, St.-Mihiel, Somme-Py, and Meuse-Argonne sectors and for other sectors; artillery firing plans and related items for the 2d Field Artillery Brigade and its units; position maps for divisional units; situation maps between May 9 and November 11; maps relating to the occupation of Germany, including situation maps; and tracings of maps in Marine Corps files.

THE ENGINEER REPRODUCTION PLANT

311. SITUATION AND OTHER MAPS. 1918. 230 items.

Annotated maps showing the locations of units of the 1st Division between February 25 and August 16 and of the 2d Division between March 19 and October 22. Most of the maps are for June and July, and there are a few other miscellaneous items for both divisions.

RECORDS OF ALLIED ORGANIZATIONS

Allied military mapping services used or produced types of maps similar to those of the AEF. Belgian, British, French, and Italian maps include the following types: 1) topographic maps by national mapping services, most of which were under military control even during times of peace; 2) trench maps, which were large-scale base maps of frontal areas overprinted by mapping troops in the field to show Allied and enemy works; 3) maps by headquarters staffs, particularly intelligence, and by other higher organizations; 4) maps with special types of information produced by armies and other field organizations; and 5) other printed, annotated, and manuscript maps, whose origins have not been determined. Many of the printed maps were acquired during the military action and filed in G-2-C, GHQ, although the albums

in G-2-C contained a far greater coverage of the theaters of war than is now indicated by the contents of the record group.

BELGIAN

Belgian records include maps providing general topographic coverage of the country by the Institut Cartographique Militaire (Military Cartographic Institute) and plans directeurs by the Service Topographique de l'Armée (Army Topographic Service) overprinted by field units, the Groupe des Canevas de Tir (Ground Survey Group). All of the General Staff maps are by the intelligence section; there are two maps by Belgian armies, and maps of undetermined origin relating to Belgian industries.

INSTITUT CARTOGRAPHIQUE MILITAIRE

312. INDEX MAP. 1920. 1 item.

A printed 1:800,000 index map also listing communes for maps in the three entries following.

313. 1:40,000 TOPOGRAPHIC MAPS. 1903-13. 35 items.

Printed; one in color and some with artillery grid. Based on surveys, revisions, and editions between 1861 and 1911. Arranged numerically. Index map in entry 312.

314. 1:20,000 TOPOGRAPHIC MAPS. 1907-27. 14 items.

Printed in colors. Based on surveys, revisions, and editions between 1861 and 1913. Arranged alphabetically. Index map in entry 312.

315. 1:20,000 TOPOGRAPHIC MAPS. 1898-1913. 7 items.

Printed with artillery grid. Based on surveys and revisions between 1861 and 1911. Arranged numerically. Index map in entry 312.

316. TRANSPORTATION MAP. 1911. 1 item.

A printed 1:320,000 map of Belgium showing railroads, roads, and navigable waterways.

GROUPE DES CANEVAS DE TIR317. 1:20,000 PLANS DIRECTEURS. 1916. 2 items.

Printed; one an undated Service Topographique de l'Armée sheet, "Leke-Dixmude-Zarren," and the other a sheet of August 15 showing the area around Ypres.

318. 1:10,000 PLANS DIRECTEURS. 1917. 2 items.

Printed; "Nieuport-Middelkerke" and "Houthulst-Staden."

319. 1:5,000 PLANS DIRECTEURS. 1917-18. 28 items.

Printed; some having Service Topographique de l'Armée base and some having overprint by GCTA 1 (First Army). Arranged alphabetically; many sheets contain an index map showing the coverage of adjacent sheets.

GENERAL HEADQUARTERS,
GENERAL STAFF

320. TROOP LOCATION MAPS. 1914-19. 12 items.

Overprinted base and outline maps showing

German garrisons in the Rhineland, 1914; the phases and routes of the German retreat to the Rhine in December 1918; the locations of German troops at intervals between the end of December and June 6, 1919; and the locations of Bolshevik, anti-Bolshevik, Ukrainian, and German forces on the Eastern Front, February 2, April 30, and May 31, 1919.

321. ENEMY ORDER OF BATTLE MAPS. 1918. 39 items.

Overprinted 1:200,000 sheets showing locations of German regiments and higher organizations on the front in Belgium at intervals between January 30 and October 30; and 1:20,000 sheets showing locations of companies for the same dates.

322. ENEMY INFORMATION MAPS. 1918. 24 items.

Various maps overprinted to show details of German positions, artillery, antiaircraft emplacements, defensive lines, works, facilities, and communications on the Belgian front on dates between February 5 and October 16.

323. ENEMY ARTILLERY MAPS. 1918. 29 items.

Overprinted 1:20,000 trench maps showing locations and calibers of active and inactive artillery in Belgium on February 2, 25, August 1, and October 3; overprinted 1:40,000 sheets showing areas of artillery and areas shelled from the coast of Elverdinge at intervals between January and September; overprinted sheets showing locations and objectives of long-range artillery in March and September; and a map showing artillery dispositions northeast of Ypres, September 23.

324. MAPS RELATING TO GERMAN AND BELGIAN OFFENSIVES. 1918. 4 items.

Overprinted 1:5,000, 1:20,000 and 1:40,000 sheets showing the German attacks at Poste du Reigersvliet on March 6 and around Merkem on April 17 and the Belgian offensive lines, September 27-30, around Ypres.

325. TERRAIN STUDY MAP. 1918. 1 item.

A 1:20,000 topographic sheet overprinted to show the front, railroads and routes, marshes and flooded areas, and access corridors north-east of Ypres, July 15.

ARMIESFirst Army

326. ENEMY ORDER OF BATTLE MAP. 1917. 1 item.

An overprinted 1:100,000 base map showing German regiments and higher organizations from the coast to Ypres on December 2.

Army of Occupation

327. SITUATION MAP. 1919. 1 item.

A 1:100,000 outline map showing the location of units on February 2.

OTHER RECORDS

328. ENEMY DISPOSITION MAP. n.d. 1 item.

A 1:400,000 base map of Belgium annotated to show German operations and rear zones, defense lines, fortified zones, occupation troop locations, and other details.

329. TRANSPORTATION MAPS. n.d. 24 items.

Manuscript 1:100,000 outline sheets of Belgium showing railroads, navigable waters, and related details.

330. BELGIAN INDUSTRIES MAPS. n.d. 253 items.

Manuscript 1:320,000 outline sheets showing major industrial locations including blast furnaces, rolling stock, chemical industries, timber and bridge shops, steel works and flattening mills, and powder and explosive plants. There are detailed 1:20,000 manuscript sheets showing for each location the outline of the plant and the surrounding road, railroad, canal, and river systems. The 1:20,000 sheets are indexed on the 1:320,000 sheets.

BRITISH

The majority of small-scale maps for strategic and tactical use as well as large-scale trench maps and a variety of special subject matter maps were produced by the Geographical Section, General Staff, and printed at the Ordnance Survey. There are a few maps by various survey offices of areas not on the Western Front. These and other GSGS maps were used as base maps for subsequent overprinting by the Army Printing and Stationery Services and units of the Royal Engineers attached to General Headquarters and Advance General Headquarters of the British Expeditionary Forces and by field survey companies attached to the headquarters of each

army. The latter were also responsible for the particular map requirements of GHQ and the armies. Many of the British maps are reprints of revisions of Belgian and French maps.

SURVEY OFFICESSurvey Department--Egypt

331. 1:1,000,000 TOPOGRAPHIC MAPS OF AFRICA. 1911-15. 5 items.

Printed in colors; "Alexandria," "El Fāsher," "Shakka," "Sobat," and "Wau."

Survey Office--Khartoum

332. 1:1,000,000 TOPOGRAPHIC MAP OF AFRICA. 1911. 1 item.

Printed; "Bir Natrum."

Survey of India Office--Calcutta

333. 1:1,000,000 TOPOGRAPHIC MAPS OF INDIA. 1914-16. 4 items.

Printed in colors with altitude tint; "Bombay," "Godavari," "Kathawar," and "Madras."

GEOGRAPHICAL SECTION,
GENERAL STAFF

334. INDEX MAPS, CATALOGS, AND RELATED MATERIAL. 1915-18. 18 items.

Index maps for topographic and trench maps accompany a description of maps and artillery boards issued by the General Staff; there are, in addition, index maps showing the changing coverage of maps by British armies, map catalogs, a memo on map supply, sheets showing German and British conventional signs, and a list of trigonometric points in northeastern France and Belgium.

335. 1:1,000,000 TOPOGRAPHIC MAPS OF AFRICA. 1911-14. 2 items.

Printed in colors; "Kenhardt," with altitude tint (GSGS 2465), and "Mongalla" (GSGS 1539).

336. 1:1,000,000 TOPOGRAPHIC MAPS OF ASIA. 1912-18. 23 items.

Printed in colors, some with altitude tint; "Istanbul" and other sheets showing parts of the eastern Mediterranean and Middle East (GSGS 2555). Arranged by letter-number designation. Index map in entry 334.

337. 1:1,000,000 TOPOGRAPHIC MAPS OF EUROPE, 1915-18. 70 items.

Printed in colors, some with altitude tint;

show parts of Europe, including European Russia (GSGS 2758). Arranged by letter-number designation. Index map in entry 334.

338. 1:500,000 TOPOGRAPHIC MAP OF VLADIVOSTOK AREA. 1909. 1 item.
Printed; part of the South Ussuri district (GSGS 2395).

339. 1:420,000 PLANIMETRIC MAPS OF RUSSIA. 1918-19. 10 items.
Printed in colors with grid and based on a Russian map showing the Murmansk-Archangel region and to the south (GSGS 2883). Arranged numerically.

340. 1:250,000 TOPOGRAPHIC MAPS OF THE BALKANS AND TURKEY. 1908-16. 9 items.
Printed in colors (GSGS 2097). Arranged alphabetically.

341. 1:250,000 TOPOGRAPHIC MAPS OF FRANCE. 1914, 1917. 11 items.
Printed in colors; adjacent areas included (GSGS 2738). Arranged numerically. Index map in entry 334.

342. 1:250,000 TOPOGRAPHIC MAPS OF NORTHWEST EUROPE. 1914-16. 4 items.
Printed in colors (GSGS 2733). Arranged numerically. Index map in entry 334.

343. 1:100,000 TOPOGRAPHIC MAPS OF FRANCE AND BELGIUM. 1910-17. 33 items.
Printed in colors and including some planimetric editions with hydrography in blue and photostats (GSGS 2364). Arranged numerically. Place-name index and index map included.

344. 1:100,000 TOPOGRAPHIC MAPS OF THE RHINELAND. 1915, 1918. 3 items.
Printed in colors (GSGS 2739). Arranged numerically.

345. 1:40,000 TOPOGRAPHIC MAPS OF BELGIUM, FRANCE, AND THE NETHERLANDS. 1915-18. 40 items.
Some printed in colors with artillery grid, some black and white, and some with hydrography in blue (GSGS 2743). Arranged numerically. Index map in entry 334.

346. 1:25,000 TOPOGRAPHIC MAPS OF THE RHINELAND. 1914. 18 items.
Printed; based on German map (GSGS 3014,

3015, 3016, and 3029; numbers missing on some sheets).

347. 1:20,000 TOPOGRAPHIC AND TRENCH MAPS OF BELGIUM, FRANCE, AND THE NETHERLANDS. 1915-18. 396 items.
Printed in black and white and in colors with artillery grid (GSGS 2742 and local editions). Arranged numerically in two sets: base and trench editions of GSGS 2742 interfiled in one set; local editions in the other. Index map for GSGS 2742 in entry 334.

348. 1:10,000 TOPOGRAPHIC AND TRENCH MAPS OF BELGIUM AND FRANCE. 1917-18. 92 items.
Printed in colors with artillery grid (GSGS 3062 and local editions). Arranged numerically in two sets: base and trench editions of GSGS 3062 interfiled in one and local editions in the other. Index map for GSGS 3062 in entry 334.

349. 1:5,000 TRENCH MAPS OF BELGIUM. 1917. 4 items.
Printed with trench overprint; (GSGS 3565, 3566, 3567, and 3569), "Douve," "Hill 60," "St.-Éloi," and "Oosttaverne."

350. SPECIAL MAPS. 1912-18. 61 items.
Various printed and overprinted maps including an ethnographical map of central and southeastern Europe; a 1:1,000,000 map of the Balkans; an outline map of Germany showing army corps districts, headquarters, and training grounds; a 1:250,000 sheet of northeastern France and part of Belgium; two sheets of the 1:250,000 aviation map of France; a set of road and bridge maps for parts of Belgium and France; town plans for some Belgian cities and a booklet of German town plans; water-supply maps for parts of Belgium and France; various railway maps for Belgium, France, Europe in general, and Palestine; and maps showing frontlines on the Western Front, on parts of the Western Front, and in Palestine.

AIR MINISTRY

351. MAPS SHOWING AIR STATIONS. 1918, 1920. 4 items.

Base maps overprinted to show areas, groups, and Royal Air Force stations in the British Isles, November 16, 1918, and RAF and civil airdromes in January 1920; and sketch maps showing the organization and location of German aviation training establishments in Germany, September 3, 1918.

GHQ AND ADVANCE GHQ

352. SITUATION MAPS--RUSSIA AND SIBERIA. 1918-19. 35 items.

Printed 1:16,500,000 skeleton maps of Russia and northern Asia, overprinted to show the locations and numbers of White Guards, Yugoslav, Czechoslovak, Bolshevik, Russian, Cossack, Allied, and other forces and prisoners of war at weekly intervals, some dates missing, between July 29, 1918, and August 4, 1919. Some maps have annotations that correct the printed information.

353. DISTRIBUTION OF ENEMY FORCES MAPS--SOUTHEASTERN FRONT, DOBRUDJA, TURKISH THEATER, AND TRANS-CAUCASUS. 1918. 11 items.

Printed 1:6,000,000 skeleton maps of south Russia, Turkey, and Persia, overprinted to show locations and numbers of enemy units between May 16 and October 19.

354. TURKISH ARMY DISTRIBUTION MAP. 1918. 1 item.

Printed 1:6,000,000 map of the Turkish Empire, overprinted to show the locations of Turkish units on June 22.

355. ENEMY ORDER OF BATTLE MAPS--EASTERN AND BALKAN FRONTS. 1917-18. 32 items.

Printed 1:2,000,000 sketch maps of the eastern theater, overprinted to show the distribution of German, Austrian, Bulgarian, and Turkish forces on the Eastern and Balkan Fronts at weekly intervals between September 5, 1917, and May 8, 1918. Only the southern part is shown after March 13, and some items have additional annotations.

356. ENEMY ORDER OF BATTLE MAPS--DOBRUDJA AND MACEDONIAN FRONT. 1918. 20 items.

Printed 1:1,000,000 sketch maps, overprinted to show the distribution of German, Austrian, and Bulgarian forces between the Adriatic and the Aegean Seas at weekly intervals between May 16 and October 4.

357. ENEMY ORDER OF BATTLE MAPS--ITALIAN FRONT. 1917-18. 46 items.

Printed 1:500,000 sketch maps of northern Italy, overprinted to show the distribution of Austro-Hungarian and German forces at weekly intervals, with some dates missing, between November 7, 1917, and October 30, 1918.

358. ENEMY ORDER OF BATTLE MAPS--WESTERN FRONT. 1917-18. 452 items.

Printed maps on various scales, overprinted to show the distribution and other details of enemy forces from the North Sea to the Swiss border and on parts of the Western Front as follows:

1:1,000,000 maps of the Franco-German and Belgian frontier showing the order of battle from the North Sea to the Swiss border at weekly and sometimes more frequent intervals between July 1, 1917, and November 11, 1918, as overprinted by printing sections of GHQ and Advance GHQ; a similar set with a different base map and for different weekly intervals between May 30, 1917, and March 30, 1918; a continuation of the last set on 1:750,000 base maps of the western theater of war at weekly intervals between April 30 and November 9, 1918; various 1:250,000 base maps for the front from the North Sea to east of Reims, arranged in four area sections from north to south and thereunder chronologically for various intervals between March 26 and November 6, 1918; and various 1:100,000 base maps, overprinted by printing sections at GHQ and Advance GHQ arranged by sectors for Nieuport-Ypres, Lille, Cambrai-Arras, St.-Quentin-Amiens, and Soissons and thereunder chronologically for various intervals between July 3, 1917, and April 28, 1918.

359. MAPS OF GERMAN RAILWAYS AND DEFENSES. 1917-18. 106 items.

Various 1:100,000 base maps overprinted to show railways, defense lines, headquarters, dumps, facilities, and other details by Royal Engineer printing units at GHQ and Advance GHQ, arranged in sectors for northern Belgium, Ypres, Lille, Cambrai, St.-Quentin, and Soissons and thereunder chronologically from May 16, 1917, through November 10, 1918.

360. MAPS SHOWING INFORMATION ABOUT THE ENEMY. 1917-18. 53 items.

Base maps overprinted to show the locations and other details of enemy airdromes and their units from the North Sea to Laon at intervals between July 21, 1917, and November 6, 1918, with additional maps showing details of the German night signaling system; various sketch maps overprinted to show German troop movements by rail for particular attacks; base maps overprinted to show the activity of German artillery and field wireless stations for some weeks in 1918; base maps overprinted to show the grouping of German guns opposite British sectors between May 4 and October 10, 1917; and other maps showing information reproduced from German maps in 1917.

361. OTHER PRINTED MAPS. 1917-18.
44 items.

Billeting, area, and boundary maps for parts of Belgium, France, and the Cologne area; plans of Belgian and Rhineland towns; a set of maps showing enemy dispositions and counterattacks for the battles in Flanders between September 20 and October 30, 1917; and various maps showing progress and battlelines on the Western Front and in Italy.

TANK CORPS

362. OPERATIONS MAP. 1918. 1 item.

A 1:100,000 base map overprinted to show locations and numbers of tanks operating with the British First, Third, and Fourth Armies and the French from August to November and the successive frontlines beginning with the August 21 attack on the line north of Arras-Moreuil.

ARMIES

First Army

363. ENEMY ARTILLERY MAPS. 1917. 2 items.

Overprinted base maps showing locations and numbers of German guns opposite the army front on October 15 and 31.

364. RAILWAY MAP. n.d. 1 item.

Overprinted base map showing army railways around Béthune.

365. BOUNDARY AND BILLETING AREA MAP. 1917. 1 item.

Overprinted base map showing corps boundaries and billeting areas west of Armentières-Arras, August 19.

Second Army

366. ENEMY INFORMATION MAPS. 1917.
15 items.

Various base maps overprinted to show enemy order of battle in June and July; enemy defense work during March, April, and November; enemy artillery dispositions for the weeks ending July 19 and 26; and assembly positions and counterattacks east of Ypres, October 14.

367. ARMY AREA AND OTHER MAPS. 1917-18.
9 items.

Various base maps overprinted to show the army, corps, and other areas between August 1917 and July 1918; British and enemy raids, January-March 1917; visibility around Wytschaete; barrage lines in June 1917; and army defense

lines, July 4, 1918.

Third Army

368. CIRCULATION MAP. 1918. 1 item.

A base map overprinted to show traffic routes west of Arras-Albert in June.

Fourth Army

369. ENEMY INFORMATION MAPS. 1916-18.
3 items.

Various base maps overprinted to show active German batteries, August 24 and 25, 1916; the organization of German rear areas, July 30, 1917; and the location of enemy field stations for the week ending February 18, 1918.

370. CIRCULATION AND FRONTLINE MAPS. 1916, 1918. 2 items.

Base maps overprinted to show frontlines, August 20 and 31, 1916, and traffic routes west of Ypres in January 1918.

Fifth Army

371. ENEMY INFORMATION MAPS. 1917-18.
2 items.

Base maps overprinted to show enemy dispositions and counterattacks east of Houthulst, October 20, 1917, and a summary of information for the area around Lille, October 20, 1918.

372. AREA AND RAILWAY MAPS. 1918. 2 items.

Base maps overprinted to show railways west of the Béthune area, August 15, and boundaries of army areas, May 8, 1917, the latter subsequently annotated.

Army of the Rhine

373. 1:100,000 TOPOGRAPHIC MAPS OF THE RHINE AREA. 1919. 1 item.

Printed in color with artillery grid; the Solingen area.

374. 1:25,000 TOPOGRAPHIC MAPS OF THE RHINE AREA. 1919. 4 items.

Printed in color with artillery grid; part of the British occupation area.

375. AREA AND BOUNDARY MAPS. 1919.
2 items.

Base maps overprinted to show corps, divisional, and administrative boundaries for the army in the Cologne area in April and the sub-areas for the VI Corps and the locations of its units.

FIELD SURVEY UNITS

376. ENEMY INFORMATION MAPS. 1917-18. 34 items.

Base maps overprinted to show local details of German order of battle, defensive organization, works, routes, disposition, and artillery positions in various parts of Belgium and France.

377. BRITISH FACILITIES MAPS. 1917-19. 25 items.

Base maps overprinted to show details of trench systems in parts of Belgium, France, and Italy; targets for British artillery in Belgium and France; parts of the frontlines and the Western Front on September 4, 1914, July 1, 1916, and March 12, April 27, and October 10, 1917; facilities and traffic routes northwest of St. Quentin, September 18 and October 2, 1918; and details relating to German army corps districts, May 14, 1919.

OTHER RECORDS

378. OPERATIONS MAPS. 1917-18. 6 items.

Parts of 1:20,000 trench maps annotated to show a defense plan for the area east of Arras, including front, support, and reserve lines and various posts, stations and dumps; parts of 1:10,000 trench maps annotated to show objective lines, boundaries, and target areas in the Langemark area; parts of 1:10,000 trench maps annotated to show lines and boundaries northwest of Lens; a 1:100,000 sheet annotated to show Second Army water supplies, chiefly in the Ypres-Armentières area, July 1, 1917; and a 1:250,000 sheet showing the front east of Amiens at various dates, with annotations showing changes in the line on November 19, 1917, and March 20, 1918.

FRENCH

The Service Géographique de l'Armée (Army Geographical Service) provided topographic and special maps and exercised a general technical supervision over mapping. The Groupes de Canevas de Tir aux Armées (Army Ground Survey Groups) were chiefly responsible for the plans directeurs; organized within each army, they worked closely with army geographical services and corps and division topographic sections. The latter were responsible for current information about enemy trench works obtained from aerial photographs, and general staff, air, and artillery intelligence. Corps and division topographic sections were organs of the General Staff, under the chiefs of the second bureau in the corps and directly under the chiefs of

staff in the divisions. Corps topographic sections were also responsible for the distribution of maps and the preparation of special maps (such as those relating to the enemy's artillery activity, frontline positions, and artillery objectives), and other maps required for intelligence and operations.

SERVICE GEOGRAPHIQUE DE L'ARMÉE

379. INDEX MAPS, CATALOGS, AND RELATED MATERIAL. 1916-24. 14 items.

Index maps for nearly all of the following entries will be found in the wartime SGA catalog. The 1924 edition of the catalog also contains index maps for plans directeurs; there are, in addition, loose index maps of France, sheets showing conventional signs, tables of geodetic points, and instructional material relating to German documents and maps.

380. 1:1,000,000 TOPOGRAPHIC MAPS OF EUROPE AND ASIA. n.d. 6 items.

Printed in colors; "Adrinople," "Belgrade," "Constantinople," "Milan," "Salonique," and "Tabriz." Index map in entry 379.

381. 1:600,000 "CARTE DE FRANCE." 1894. 6 items.

Printed. Arranged numerically. Index map in entry 379.

382. 1:500,000 "CARTE DE LA FRANCE." 1871-87. 59 items.

Printed in colors; begun in the Depot des Fortifications. Arranged numerically. Index map in entry 379.

383. 1:320,000 "CARTE DE FRANCE." 1852-1915. 11 items.

Printed; based on General Staff surveys and editions, 1852-74, and later. Arranged numerically. Index map in entry 379.

384. 1:300,000 "GENERALISATION DE LA CARTE DE L'ALLEMAGNE." n.d. 28 items.

Printed in colors; includes parts of Belgium and the Netherlands. Arranged alphabetically. Index map in entry 379.

385. 1:200,000 "CARTE DE FRANCE, TYPE 1912." n.d. 124 items.

Printed in colors; includes frontier areas. Arranged numerically. Index map in entry 379.

386. 1:100,000 TOPOGRAPHIC MAPS OF GERMANY. n.d. 7 items.

Printed from German maps based on surveys,

1846-61; mainly frontier coverage. Arranged numerically. Index map in entry 379.

387. 1:80,000 "CARTE DE FRANCE." 1832-1917. 265 items.

Printed, in two numerically arranged sets: one set consisting of printed revisions, 1893-1917, based on General Staff surveys and originally published 1832-52; the other set consisting of quarter sheets (Type 1889) revised 1892-1914. Index map in entry 379. Included are a few special sheets for particular areas, such as camps.

388. 1:50,000 "CARTE DE FRANCE." 1832-1917. 797 items.

Printed enlargements of the preceding entry. Arranged numerically in two sets, one of which has artillery grid. Index map in entry 379. Included are a few special sheets.

389. 1:50,000 "NOUVELLE CARTE DE FRANCE." 1907-12. 10 items.

Printed in colors; based on surveys from 1902 to 1917. Arranged numerically. Index map in entry 379.

390. 1:50,000 TOPOGRAPHIC MAPS OF ALSACE-LORRAINE. 1908-18. 46 items.

Printed enlargement of German maps with artillery grid and some with trench overprints. Arranged numerically.

391. 1:50,000 TOPOGRAPHIC MAPS OF ITALY. 1902, 1907. 9 items.

Printed from Italian maps; "Bassano" and "Padova."

392. 1:40,000 TOPOGRAPHIC MAP OF BELGIUM. n.d. 1 item.

Printed from Belgium map; "Arlon."

393. 1:20,000 TOPOGRAPHIC MAP OF ITALY. 1890. 1 item.

Printed from Italian map; "Segusino-Valdobbiadene."

394. 1:20,000 TOPOGRAPHIC MAPS OF ALSACE-LORRAINE. 1915. 166 items.

Printed enlargements from German map. Arranged numerically. Index map in entry 379.

395. 1:20,000 TOPOGRAPHIC MAPS OF BADEN. n.d. 32 items.

Printed enlargements from German map. Arranged numerically.

396. 1:10,000 TOPOGRAPHIC MAPS OF THE CHAUMONT AND LANGRES AREAS. 1912. 9 items.

Printed from 1:50,000 "Carte de France," surveyed in 1911 and 1912. Included is an 1869 plan directeur of the Langres area.

397. OTHER PRINTED MAPS. 1884-1920. 24 items.

Copies of the "Carte Cantonale de la France," one a 1914 edition showing army corps areas; various maps showing railroads in France; a map showing political boundaries in the Saar Basin; maps showing political boundaries in the Schleswig and Danzig areas related to the plebiscites there and a map showing prewar and postwar German boundaries and plebiscite areas; a topographic map of the training area at La Courtine; sketch map relating to troop movements in Russia in 1919; and a town plan of St.-Quentin.

MINISTRE DE L'INTÉRIEUR

398. 1:100,000 "CARTE DE LA FRANCE." 1903-16. 21 items.

Printed in colors. Arranged numerically.

GROUPES DE CANEVAS DE TIR AUX ARMÉES

399. INDEX MAPS AND RELATED MATERIAL. 1915-18. 44 items.

Printed index maps for plans directeurs, which are also indexed in the 1924 SGA catalog in entry 379; sheets showing conventional signs; army map lists; and General Staff instructions concerning plans directeurs and special maps, the work of GCTA, and the functions of corps and division topographic sections.

400. 1:50,000 TOPOGRAPHIC AND TRENCH MAPS OF FRANCE. 1918. 23 items.

Printed in colors; chiefly of the Vosges region, some with dated overprints. Included are a few special topographic sheets of other areas. Arranged alphabetically. Index map in entry 379.

401. 1:20,000 PLANS DIRECTEURS OF FRANCE AND BELGIUM. 1914-18. 937 items.

Printed; one set of base maps, the other set with dated overprints. Each set arranged alphabetically. Index map in entry 379.

402. 1:20,000 TOPOGRAPHIC MAPS OF ITALY. 1917-18. 16 items.

Printed reproductions of Italian maps; mainly northern Italy. Arranged numerically.

403. 1:10,000 PLANS DIRECTEURS OF FRANCE. 1917-18. 509 items.

Printed; one set of base maps, the other set with dated overprints. Each set arranged alphabetically. Index map in entry 379.

404. 1:5,000 PLANS DIRECTEURS OF FRANCE. 1917-18. 222 items.

Printed, with dated overprints. Arranged alphabetically. Index map in entry 379.

405. SPECIAL MAPS FOR ARTILLERY USE AND FOR THE STUDY OF THE ENEMY FIRST POSITION. 1917-18. 107 items.

Dated 1:20,000 plans directeurs with supplementary overprinting showing artillery objectives; and dated 1:10,000 plans directeurs with supplementary overprinting showing the state of destruction of the enemy positions along the front, details of works and communications, and artillery objectives.

406. BOMBARDMENT MAPS. 1917-18. 6 items.

Printed 1:5,000 sheets showing industrial sites in Alsace and around Conflans-Jarny.

407. NIGHT AVIATION MAPS. 1918. 14 items.

Sketch maps based on the 1:200,000 topographic map with main cities, towns, railroads, roads, hydrographic features, and woods printed in color to facilitate identification from the air at night.

408. PHOTO MAPS. 1917-18. 12 items.

Printed reproductions of aerial photographic mosaics with corresponding sections of 1:5,000 or 1:10,000 topographic sketches for woods, salients, and other areas in France.

409. TOWN AREA MAPS. 1918. 21 items.

Printed 1:5,000 topographic maps of French towns and their surrounding areas, reproduced in October and November.

410. PANORAMIC SKETCHES. 1917-18. 63 items.

Printed wide-angle views emphasizing significant terrain features visible from particular observation posts along the French front. Most are undated, and many are not identifiable by origin. Most are in black and white, but some have color tint. Unarranged.

GENERAL HEADQUARTERS

General Artillery Reserve

411. TRAFFIC MAP FOR AMERICAN GUN CARRIAGES. 1918. 1 item.

A blueprint map with textual corrections attached, October 29, modifying a map of August 26 and showing the conditions of traffic for 14-inch American gun carriages on the [Eastern] Railroad in the area behind the American front.

Geographical Service

412. RAILROAD AND OTHER MAPS. 1917-18. 8 items.

Printed and overprinted sketch maps showing the route of the Trans-Siberian Railroad, the main railroads of central Europe, the chief German supply lines for the Western Front, German railroads for northeastern France and Belgium (one with timetable), and German troop movements on the Western Front, March 21-April 21, 1918. Included is a map showing lines and order of battle for action at Malmaison, October 23-24, 1917.

Intelligence and Air Service

413. ENEMY AIRFIELDS MAPS. 1918. 2 items.

Printed 1:600,000 topographic maps overprinted to show the location of enemy airfields from photographic and other intelligence sources for the front area from the North Sea to the Swiss border, April 10 and July 30.

Special Services

414. CIRCULATION MAP. 1917. 1 item.

A printed circulation map, October 15, showing the zones near the front, prepared for civil and military use.

Telegraphic Service

415. ENEMY WIRELESS ACTIVITY MAP. 1918. 1 item.

A printed 1:600,000 topographic sheet overprinted to show details of enemy wireless station activity along the front from the North Sea to the Swiss border, February 16-22.

GENERAL STAFFHistorical Service

416. ORDER OF BATTLE MAP. 1918. 1 item.
A 1:600,000 topographic sheet overprinted to show the combined order of battle on the Western Front, August 8.

Second Bureau

417. ENEMY ORDER OF BATTLE MAPS--
BALKAN FRONT. 1917-18. 20 items.
Printed 1:50,000 sketch maps overprinted to show the order of battle of German, Austrian, Turkish, and Bulgarian forces on the first of the month from May 1917 through November 1918, generally in the area between the Adriatic and the Aegean Seas.

418. ENEMY ORDER OF BATTLE MAPS--
EASTERN FRONT. 1917-19. 26 items.
Printed 1:500,000 sketch maps overprinted to show the German order of battle on the front in Russia on first days of the months from August 1917 through November 1918 (October 1917 and April 1918 missing). Beginning July 1918, Bolshevik and anti-Bolshevik forces are also shown --as they also are on additional maps for November 25 and December (n.d.) 1918, and January (n.d.), February 15, March 10, and April 15, 1919. A cumulative map shows the fluctuations of the Bolshevik front from November 1, 1918, to March 10, 1919.

419. ENEMY ORDER OF BATTLE MAPS--
ITALIAN FRONT. 1917-1918. 20 items.
Printed 1:500,000 sketch maps overprinted to show the Austro-German order of battle in northern Italy on the first of the month from May 1917 through November 1918 (some dates missing). Some copies are by French forces in Italy and the Advance Group; an annotated copy shows information for November 10, 1917.

420. ITALIAN ORDER OF BATTLE MAP.
1917. 1 item.
Printed 1:500,000 sketch map overprinted to show the Italian order of battle on March 15.

421. ENEMY ORDER OF BATTLE MAPS--
TURKISH FRONT. 1917-18. 18 items.
Printed 1:3,700,000 sketch maps overprinted to show the enemy order of battle or location of forces in Asiatic Turkey and adjacent countries, including Palestine, on first days of the months from May 1917 through November 1918 (some dates missing).

422. ENEMY ORDER OF BATTLE MAPS--
WESTERN FRONT. 1917-18. 153 items.

Printed 1:600,000 topographic sheets overprinted to show the German order of battle from the North Sea to the Swiss border for certain days between February 24, 1917, and November 9, 1918; a second set consisting of overprints without base maps for some days between April 11 and November 9, 1918. There are additional maps showing the concentration of German divisions in order of battle for particular attacks on parts of the front.

423. BOMBARDMENT MAPS. 1916-18.
283 items.

Printed maps of industrial and transportation centers by the Second Bureau, some of which are by its Economic Section and others made with the cooperation of railway organizations, consisting of town plans and track layouts on scales between 1:5,000 and 1:30,000 with factory, bridge, rail, station, and other target areas overprinted in red. Arranged as follows, with partial alphabetical order for each group: a) mixed rail and industrial target maps by the Economic Section, 1917-18, for cities in occupied France, Luxembourg, Lorraine, the Saar area, and other parts of Germany, including a number of similar maps not identified by origin; b) mixed rail and industrial target maps printed in 1916 as Series A, B, and AB, and showing cities in Belgium, Luxembourg, Lorraine, Alsace, the Saar area, and other parts of Germany; c) chiefly rail and bridge target maps for cities in Belgium and occupied France, 1917-18; and d) sheets of the 1:100,000 "Karte des Deutschen Reichs" with 1916 red overprint for railway stations, tunnels, and related works in parts of Lorraine, Alsace, the Bavarian Palatinate, and the southern Rhenish provinces.

424. AERIAL PHOTO BOMBARDMENT
MOSAICS. 1918. 13 items.

Printed aerial photo mosaics of industrial areas on various scales with rail and factory targets shown in red. There are items for cities in Luxembourg and the Orne Valley from Valleroy to Jamaille and for Longuyon, Hanange-Knutange, and Friedrichshafen on Lake Constance.

425. MAPS OF INDUSTRIAL AREAS. 1917-18
13 items.

Various printed and photocopy maps showing oil wells and refineries around Pechelbronn and in the Boryslaw-Drohobycz area; mines, factories, and mineral concessions in parts of France, Belgium, Luxembourg, Lorraine, Alsace, the Saar, and Germany; electrical networks in the Briey

and Longwy Basins and in Lorraine; and potash mines around Mulhouse. There are also maps and views of the Krupp Works at Essen and the Mercedes Works at Stuttgart.

426. OTHER MAPS. 1918, 1920. 3 items.

Printed 1:400,000 sketch maps overprinted to show German troop positions in western Germany on April 1 and 9, 1920; and a printed railroad map of parts of western Germany, Belgium, and France showing modifications made by Germans in the occupied area. Included is a photocopy of an ethnographical map of Austria-Hungary.

ARMIES

First Army

427. ENEMY INFORMATION MAPS. 1918.
21 items.

Base maps overprinted to show the enemy order of battle from Mouilly to Nomény between January 24 and March 21; enemy artillery activity in the same area in February, in the Montdidier area in August, in the Rouvroy area in September, and east of St.-Quentin in October; and German airfields and railroads in Belgium, January 20 and March 16.

428. ARTILLERY MAPS. 1917-18. 12 items.

Trench maps overprinted to show the state of destruction south of Merkem, July 25 and October 13, 18, and 22, 1917; and artillery objectives along the Moselle and in part of the St.-Mihiel salient, March 1, 1918.

429. FRENCH FACILITIES MAPS. 1918.
3 items.

Base maps overprinted to show supply services in the area behind the front at Ancienville, Château-Thierry, and Dormans on July 14, 1918, and railroads behind the southern St.-Mihiel front, February 25, 1918; and a town plan of Chambley.

Second Army

430. ENEMY INFORMATION MAPS. 1917-18.
46 items.

Various sketch and topographic maps, most of which include all or parts of the area from the Argonne to the Moselle, overprinted to show German order of battle on some dates between December 15, 1917, and September 30, 1918; main trenches and lines of defensive organizations; traffic routes and circulation; camps and cantonments in the Argonne, July 18, 1918; the

organization and location of air and antiaircraft units, April 25, May 31, and September 11, 1918; wireless network, October 1918; artillery activity and battery and observatory locations for various dates between April 1917 and September 1918; and a printed aerial photo mosaic with bombardment maps for the area between Longwy and Differdange and the Esch-sur-Alzette area.

431. ARTILLERY OBJECTIVE MAPS. 1918.
60 items.

Plans directeurs on a scale of 1:20,000 overprinted to show artillery objectives near the front from the Argonne to St.-Mihiel for dates from July to October; plans directeurs on a scale of 1:10,000 overprinted to show details of German positions near the front in the same area for dates from April to September.

432. FRENCH FACILITIES MAPS. 1917-18.
37 items.

Various sketch and topographic maps overprinted to show from the Argonne to the St.-Mihiel area general organization and defensive lines, railroads, circulation and supply routes, telephone and telegraph lines, routes and emplacements for balloons, antiaircraft artillery emplacements, the disposition of long-range guns, bridges across the Meuse, water points, observation posts, standard antitank defenses, and triangulation points.

Third Army

433. ENEMY INFORMATION MAPS. 1917-18.
10 items.

Sketch and topographic maps overprinted to show German order of battle from Le Catelet to west of Laon on December 15, 1917, from La Fère to Juvincourt on February 12 and 26, 1918, and from Corbie to Reims on April 12, 1918; general intelligence maps for part of the area behind the front from Cambrai to east of Laon, November 4, 1917, and January 9, 1918; and enemy artillery activity, July 1918, along the Montdidier-Compiègne sector of the front.

Fourth Army

434. ENEMY INFORMATION MAPS. 1917-18.
44 items.

Sketch and topographic maps overprinted to show German order of battle from Reims to Four de Paris on December 1, 1917, January 15, May 15 and 31, June 15, July 1 and 15, and September 3, 17, and 24, 1918; from Charleville to Mouzon, November 10, 1918, and for the Western Front, June 26, 1918. There are also general

intelligence maps for the area south of Sedan, November 6, 1918; and general intelligence maps showing mainly troop movements opposite the army front from east of Reims to the Argonne, September 30 and October 1-4 and 8-11, 1918, enemy artillery activity opposite the army front, May and June 1918, and the rolling barrage before the battle on July 15, 1918.

435. ARTILLERY OBJECTIVE MAPS. 1918.
22 items.

Printed 1:50,000 topographic sheets overprinted to show enemy organization and artillery objectives, and 1:20,000 plans directeurs overprinted to show artillery objectives opposite the army front.

Fifth Army

436. ENEMY INFORMATION MAPS. 1917-18.
13 items.

Topographic maps overprinted to show enemy artillery activity from Fismes and northward to east of Reims for periods from July through October 1918; enemy order of battle, December 4, 1917, and August 2, 1918; the enemy organization northeast and northwest of Reims from captured documents, September 10, 1918; general intelligence and defensive organization in the areas opposite the army front, October 1 and November 3, 1917; and bombardment objectives behind the German lines.

Sixth Army

437. ENEMY INFORMATION MAPS. 1918.
10 items.

Sketch and topographic maps overprinted to show the German order of battle on the Western Front on January 22 and opposite the army front from around Lassigny to Brimont on April 30 and from Longpont through Château-Thierry to Dormans on June 30; the enemy defensive organization and circulation north of St.-Quentin to east of Laon on January 30; enemy artillery activity opposite part of the army front; bombardment targets in the Laon and Fismes areas on January 25 and August 1 and 2; general intelligence north of Fismes on August 27; and quarries and shelters possibly gassed or mined in the Fismes-Laon area.

438. FRENCH FACILITIES MAPS. 1916, 1918.
4 items.

A plan directeur for the Dompierre area overprinted with enemy information for use with a study of aerial photographs, June 10, 1916; topographic maps overprinted to show routes,

water points, and supply depots east of Amiens, July 1, 1916; and a topographic map overprinted to show the army supply system behind the front from Betz to Dormans, June 10, 1918.

Seventh Army

439. ENEMY INFORMATION MAPS. 1917-18.
56 items.

Sketch maps overprinted to show the enemy order of battle from around Badonviller to Ferrette, December 3, 1917, and between August 12 and November 4, 1918; a map of German railways in Alsace; and base maps overprinted to show enemy artillery activity along the army front at two-week intervals between April 30 and October 30, 1918.

440. FRENCH FACILITIES MAPS. 1918.
27 items.

A sketch map overprinted to show artillery and sound ranging stations; printed maps showing triangulation points; base maps overprinted to show railways, roads, camps, and services in the area behind the army front; printed 1:80,000 topographic sheets annotated to show railways and details concerning them on the French side of the Vosges front; a volume containing printed German order of battle maps annotated to show French and American order of battle for June 19, August 20 and 27, and September 3; and other annotated maps showing the location of units, June 20 and August 23, and general areas and zones.

Eighth Army

441. ENEMY INFORMATION MAPS. 1917-18.
192 items.

Sketch and topographic maps overprinted to show the German order of battle on some days between November 4, 1917, and October 28, 1918, opposite the army front, which was from south of Montsec to Badonviller until the American First and later the Second Armies took over a sector between the French Second and Eighth Armies--the Eighth Army front thereafter ran from east of Pont-à-Mousson to Badonviller; general intelligence maps in sets between August 10, 1917, and November 6, 1918, showing details of enemy positions, communications, and facilities; enemy artillery activity maps for periods between May 29 and October 28, 1918; various sketch and topographic maps overprinted to show lines, positions, and posts occupied by the enemy; and miscellaneous maps showing German railways, roads, wireless posts, balloon ascension points, and airfields.

442. ARTILLERY OBJECTIVE MAPS. 1917-18. 13 items.

Plans directeurs and topographic maps overprinted to show details of German positions and facilities opposite parts of the army front between October 1917 and November 1, 1918.

443. FRENCH FACILITIES MAPS. 1917-18. 42 items.

Base and topographic maps of the area behind the army front between November 1, 1917, and October 1, 1918, overprinted to show French and enemy positions and lines, French roads, railways, waterways, bridges, long-range gun positions, telephone and observation networks, cantonment zones, and supply and other service facilities; town plans of Ibigny, Loudrefing, Petit Eich, and Saverne on a scale of 1:10,000; a 1:50,000 topographic sheet of the Château-Salins area, overprinted to show the terrain along rivers, marshes, river crossings, and bridges; and panoramic sketches from observation posts in the army zone.

444. MAPS RELATED TO AMERICAN ACTIVITIES. 1917-18. 28 items.

Various topographic maps, chiefly 1:80,000 sheets, and plans directeurs, many undated, for the western and southern St.-Mihiel fronts and the salient area, the Lunéville sector, and the Badonviller area, annotated to show sectors and zones for French and American units and details of the occupation of the Lunéville sector by the French 164th Division and of the sector near Badonviller by the French 128th Division, both of which included American units. For the St.-Mihiel area, maps showing bombardment objectives in the St.-Mihiel salient, January 17, 1918; antitank and artillery positions near Seicheprey; United States 1st, 2d, and 89th Divisions and their regiments in sectors on the southern St.-Mihiel front; German order of battle from Apremont to Fey-en-Haye; and railways and services in the army zone behind the southern St.-Mihiel front.

Tenth Army

445. ENEMY INFORMATION MAPS. 1917-19. 7 items.

Sketch and topographic maps overprinted to show enemy artillery activity east and west of Asiago opposite the Italian First Army front on December 25, 1917, and in the Soissons area, July 18-31 and August 1-14, 1918; enemy defensive lines, trenches, and railways east and west of Soissons, August 12, 1918; troop movements and concentrations in the Soissons front, July 18,

1918; and the location of German troops in western Germany, March 10, 1919.

446. ARTILLERY OBJECTIVE MAPS. 1918. 2 items.

A 1:20,000 plan directeur with additional overprinting showing targets in the enemy front area near Vic-sur-Aisne, and a reprint of a 1:20,000 Italian topographic sheet overprinted to show targets, chiefly roads, along the Piave River near Quero.

447. SITUATION AND COMMUNICATION MAPS. 1918-19. 11 items.

A topographic sheet overprinted to show a telephone network in the area northeast of Ver-signy, and sketch and topographic maps overprinted to show the locations of army units in the Mainz bridgehead and adjacent areas on particular days between April 10 and June 13, 1919.

FRENCH CORPS

448. FRENCH AND ENEMY INFORMATION MAPS. 1917-19. 155 items.

A series of processed and printed base and topographic maps, most of which were overprinted by corps topographic or intelligence units to show various details of French and opposing German facilities and communications, positions, plans, trenchworks, circulation, and artillery activity. There are one or more items for Corps I-V, VII-XIII, XX, XXI, XXXI, XXXVI, and XXXVIII. Arranged by corps; about a third of the items are by the XXVII Corps for the Verdun area.

FRENCH DIVISIONAL TOPOGRAPHIC SECTIONS

449. TRENCH MAPS. 1917-18. 4 items.

A 1:10,000 map showing trenches along the front near Haudiomont, a 1:5,000 map showing trenches near Trésauvaux, and 1:5,000 maps showing trenches west of the Moselle near Haut de Rieupt and Montauville.

OTHER RECORDS

Printed Maps

450. ENEMY INFORMATION MAPS. 1917-18. 227 items.

A set of general intelligence maps consisting of 1:50,000 sheets of parts of northeastern France and Alsace-Lorraine overprinted to show details concerning roads, railroads, bridges, the nature of the terrain, water points, facilities,

and population; a set of 1:200,000 sheets of parts of France overprinted to show safe tonnages on bridges, and 1:600,000 sheets showing Rhine River bridges; a set of 1:80,000 sheets of parts of Belgium and France with railroad intelligence overprint; a set of 1:50,000 sheets of the Metz-Verdun-Commercy area overprinted to show defensive lines, railways, depots, and other details; enemy artillery activity maps mainly for the St.-Mihiel and Meuse-Argonne areas between April 15 and September 14, 1918; and various overprinted base, topographic, and processed maps showing defensive lines and trenchworks, airfields and balloon ascension points, mines and mineral regions, the Metz forts in detail, and positions and order of battle--including air order of battle.

451. FRENCH FACILITIES MAPS. 1917-18. 67 items.

Processed, printed, and overprinted maps showing telephone and artillery observation networks, artillery targets, the disposition of troops, the organization of rear zones and their facilities, and general defensive lines, most of which are for the St.-Mihiel region. There is also a panoramic sketch showing a view from an observation post, a plan of the aerial defense of France, maps showing American First Army camps and cantonments, visibility maps, and maps of geodetic control and triangulation networks.

452. PLAN OF PORT CITIES, TOWNS, CAMPS, AND ROAD AND RAILROAD SYSTEMS. 1913-18. 45 items.

Printed and processed maps and plans, some of which were commercially published, showing some major French port cities; other cities and towns; camp layouts at Bois-l'Évêque, Camp des Oursins, and Sougé; soundings and other details of the Garonne and Gironde Rivers between Bordeaux and St.-Estèphe; roads in France and Alsace-Lorraine; local track plans; and railroad systems in France.

453. MAPS TO ACCOMPANY THE PETAIN REPORTS. 1918. 101 items.

Various maps, many of which are for the Champagne region, overprinted to illustrate the Petain report on defensive operations between December 1, 1917, and July 17, 1918, and offensive operations between April 6, 1918, and the occupation of the Rhineland. Arranged by volume and number.

454. MAPS OF ITALY, PALESTINE, AND RUSSIA. 1917-18. 21 items.

A sketch map overprinted to show the British fronts in Palestine; a 1:200,000 sheet of the Archangel area; sketch maps showing operations around Stavropol; various maps showing trenches, lines, and positions in northern Italy; and a shaded relief map of part of northern Italy.

Annotated and Manuscript Maps

455. ENEMY INFORMATION MAPS. 1918. 62 items.

Annotated and manuscript maps showing positions and sector organization, defensive lines and works, artillery activity, listening posts, observation posts, communications, order of battle, aviation facilities, railroads, and circulation.

456. MAPS SHOWING ZONES, SECTORS, AND POSITIONS. 1918. 62 items.

Annotated maps showing zones and general defensive lines, annotated and manuscript maps showing trenchworks and sector organizations, and annotated maps showing positions, boundaries, and objectives.

457. ARTILLERY AND AERIAL BOMBARDMENT MAPS. 1918. 26 items.

Annotated maps showing artillery positions, firing arcs, observation posts, targets, camps, photographic missions along the Meuse north of Villoresne, and airfields and ambulance stations in the same area; bombing tests with new aircraft and sights at the Military Aviation School; and details of Allied and enemy day and night air bombardment along the Western Front, July 26-August 1, August 1-7, and August 7-10.

458. MAPS SHOWING CAMPS AND TRAINING AND BILLETING AREAS. n.d. 23 items.

Annotated maps showing the camp at La Cour-tine, billeting and stabling accommodations in particular towns in northeastern France, various cantonment zones, billeting zones around Coblenz, and camps north of Baccarat; various annotated maps of training areas in France showing details of their use; and a manuscript sketch of Coblenz showing some billeting capacities.

459. MAPS OF RAILROADS AND PORTS. n.d. 26 items.

Annotated maps showing railroad systems, railroads near the front, and railroad, supply, artillery, and medical facilities in France; and

plans of Bassens, Nantes, Pauillac, and St. - Nazaire annotated to show changes in and use of port facilities.

460. MAPS OF MINERAL AREAS. 1916-18.
7 items.

Various annotated and manuscript maps showing coal, iron, and salt beds, mineral basins, factories, and defenses chiefly in France, Luxembourg, Lorraine, and the Saar; potash mines and works around Cernay and Ensisheim; and cities, topography, and mines in parts of Albania, Bosnia, Montenegro, and Serbia.

461. MAPS OF EASTERN EUROPE, ITALY,
AND SIBERIA. 1915-19. 16 items.

Annotated and manuscript maps showing troop positions in the Balkans in 1915; enemy order of battle on the Eastern Front, August 15, 1917; troop positions in the Baltic Provinces and Russia after March 1918; Ukrainian lines around Lvov, March 23, 1919; the locations of various troops in Russia and Siberia in 1919; and Allied and enemy order of battle and positions on the Italian Front between December 26, 1917, and February 28, 1918.

462. MAPS BY TROOP ORGANIZATIONS.
1916-18. 72 items.

Various annotated and manuscript maps, consisting of one or two items by about twenty different French units from the division to the army level, and more numerous items by the XXI Corps and by the 65th Division.

ITALIAN

The Istituto Geografico Militare (Military Geographical Institute) produced general topographic maps and special maps illustrating operations. There are a few maps from the Operations Office and the Photographic Section of the Commando Supremo (High Command). Most of the maps described under armies were produced by staff information and operations officers and by cartographic sections. There are also printed and annotated maps whose origins have not been determined.

ISTITUTO GEOGRAFICO MILITARE

463. MAP CATALOG AND PLACE-NAME
INDEX. 1900, 1914. 2 items.

A 1914 catalog with annotations containing descriptions of maps, index maps, and map

samples; and a 1900 place-name index with civil divisions for the 1:100,000 and related maps.

464. 1:500,000 "CARTA COROGRAFICA IPSOMETRICA DEL REGNO D'ITALIA E DELLE REGIONI ADIACENTI." 1914. 4 items.
Printed in colors. Arranged numerically (index, cover sheet).

465. 1:500,000 "CARTA COROGRAFICA DEL REGNO D'ITALIA E DELLE REGIONI ADIACENTI." 1900-14. 35 items.
Printed in colors. Arranged numerically (index, sheet 26).

466. 1:200,000 "CARTA COROGRAFICA DEL REGNO D'ITALIA E DELLE REGIONI ADIACENTI." 1908. 4 items.
Printed in colors. Arranged numerically (index, cover sheet).

467. 1:200,000 "CARTA COROGRAFICA DELL'EUROPA CENTRALE." 1903-13. 112 items.
Printed in colors from Austrian map. Arranged numerically (index on reverse of sheets).

468. 1:100,000 "CARTA D'ITALIA E REGIONI LIMITROFE." 1917-18. 63 items.
Printed in colors. Arranged numerically in series A, B, and M (index on reverse of sheets).

469. 1:100,000 "GRANDE CARTA TOPOGRAFICA DEL REGNO D'ITALIA." 1895-1905. 55 items.
Printed in black and white, some with overprint showing roads in red. Arranged numerically (index for preceding entry shows coverage).

470. SPECIAL TOPOGRAPHIC MAPS OF
NORTHERN ITALY. 1906-17. 12 items.
Various sheets printed in colors on scales of 1:500,000, 1:200,000, and 1:100,000; and a 1:25,000 "Colli Euganei" sheet.

471. SPECIAL OPERATIONS MAPS. 1918. 4 items.
Printed 1:100,000 topographic maps overprinted to show the Austro-Hungarian attack northeast of Edolo, June 13-14; the attack north of Treviso, June 15; and Austrian communications and facilities north of Lago di Garda, September 1918; and a 1:500,000 base map overprinted to show Italian lines of advance during the battle of Vittorio Veneto, October 24-November 4.

COMMANDO SUPREMOOperations Office472. ENEMY ORDER OF BATTLE MAPS. 1918.
20 items.

Overprinted 1:500,000 sketch and base maps showing the order of battle of Austro-Hungarian and German troops in northern Italy between February 15 and November 1; and sketch maps showing the locations and movements of enemy divisions not on the Italian Front, September 23 and October 21.

473. SITUATION MAPS. 1918-19. 8 items.

Overprinted 1:500,000 base and topographic maps of northern Italy showing the locations, orders of battle, and organizations of Italian and Allied forces on September 29, October 4, 21, 25, and November 4 and 26, 1918, and on May 25 and 27, 1919.

474. OPERATIONS MAPS. 1918. 2 items.

Overprinted 1:500,000 shaded relief maps of northern Italy showing movements of Italian troops during the first and second phases of the battle of Vittorio Veneto, October 24-31 and October 31-November 4.

Photographic Section475. PHOTOGRAPH AND PROFILE. 1918.
2 items.

A printed panoramic photograph of Val Lagarina and a printed cross section showing elevations of the Italian Front from Bormio to the Gulf of Trieste.

ARMIESFirst Army476. ENEMY INFORMATION MAPS. 1917-18.
2 items.

Overprinted 1:100,000 topographic maps showing enemy trenches and aerial cables north and east of Lago di Garda.

477. TOPOGRAPHIC MAPS AND PANORAMIC
PHOTOGRAPHS. 1918. 4 items.

A printed logistics map of the eastern Trentino showing relief, roads, railroads, and aerial cables, and listing population of cities and distances from Trento; a printed panoramic photograph centered on Monte Maio from the southwest, and a topographic map of the area; and

printed panoramic photographs showing the area from Monte Pasubio to Col Santo and part of the Val Posina and Val Terragnolo area.

Second Army478. ENEMY INFORMATION MAPS. n. d.
7 items.

Overprinted 1:10,000 topographic maps showing in detail the enemy defensive system and works from north of Tolmino, along the Isonzo River, to south of Gorizia.

Third Army479. ENEMY INFORMATION MAPS. 1917-18.
61 items.

Printed 1:25,000 and 1:10,000 topographic maps of the lower Piave River area overprinted to show enemy trenches and defensive works; a 1:100,000 map overprinted to show the general defensive area and bridges between the Piave and Gorizia, and 1:50,000 maps showing flight paths of enemy aircraft across the Piave, August 15-31 and September 1-15, 1918; printed 1:50,000 and 1:10,000 topographic maps showing enemy defenses, artillery, artillery objectives, and troop locations in general in May and August 1917 along the front from Ranziano to the Gulf of Panzano, and defenses in detail for parts of the area, August 1, 1917.

480. RIVER DEFENSE MAPS. 1917-18.
3 items.

A printed profile showing the levels of the Piave River at various places between Pederobba and Intestadura daily from April 1 to September 15, a map showing the terrain as affected by flooding between the Piave and the Tagliamento, and a map showing works constructed and in progress behind the Piave, February 1, 1918.

Fourth Army481. ENEMY INFORMATION MAPS. 1918.
5 items.

A printed 1:100,000 topographic map overprinted to show enemy lines of communication, October 10, from Borgo to east of Capella; 1:25,000 topographic maps overprinted to show details of enemy defenses and communications, October 10, along the Brenta and Piave Rivers; and 1:10,000 topographic sheets overprinted to show enemy trenches in part of the same area on February 6.

482. PANORAMIC SKETCH. n.d. 1 item.

Printed sketch with color added showing the Alano area as viewed from Monte Tomba.

Sixth Army

483. ENEMY INFORMATION MAPS. 1917-18. 10 items.

Topographic maps overprinted to show enemy order of battle from north of Arsiero to the Brenta, September 15 and October 13 and 27, 1918; the grouping of artillery east and west of Asiago, September 12 and October 12, 1918; and details of enemy defenses north of Asiago in April 1917 and around Gallio on September 15, 1918. Included are 1:100,000 topographic maps of the army area, one showing general communications systems.

Seventh Army

484. ENEMY INFORMATION MAPS. 1918. 6 items.

An overprinted 1:100,000 topographic map showing enemy works south of the Adige River and west of Bolzano; and overprinted 1:25,000 and 1:10,000 maps showing enemy defenses, works, and artillery positions, August 10 and September 10, in the Monte Cevedale area and west of Ortler Spitz.

485. AERIAL PHOTOGRAPHS AND PANORAMIC SKETCHES. 1918. 6 items.

Printed aerial photographs of part of Giogo dello Stelvio and the railroad station at Spondinig Prad, sketches of enemy defenses on mountains between Königsspitze and Monte Pasquale and on Monte Scorluzzo, and sketches of Val Trafoi and east and west of Monte Scorluzzo.

Eighth Army

486. ENEMY INFORMATION MAPS. 1918. 17 items.

Overprinted 1:100,000 topographic maps showing the general defensive line along the Piave River from Quero to east of Spresiano and details of Austrian command, supply, and communications systems with artillery and aviation targets noted for the area between the Piave north of Treviso to the Tagliamento north of San Vito, October 12; overprinted 1:25,000 topographic maps showing the artillery organization, October 5, north of the Piave, mainly around Valdobbiadene and Susegana; and overprinted 1:25,000 topographic sheets showing rail, supply, and other targets from aerial photographs in

particular localities in the area east of Valdobbiadene to the Tagliamento.

Gorizia Zone Command

487. ENEMY INFORMATION MAPS. 1918. 3 items.

Overprinted 1:10,000 topographic maps showing details of Austrian defenses along the Isonzo River from Auzza to south of Salcano.

OTHER RECORDSPrinted Maps

488. OPERATIONS MAPS--ITALIAN FRONT. 1918. 42 items.

Printed sketch and topographic maps overprinted to show details of Austro-Hungarian actions along the Piave, June 15, and at Al Cornone, August 19, and various Italian actions between May and September at the Col d'Échele, along the Piave, around Asiago, the Col del Miglio, Zurez, and in the Val Brenta. Included are small-scale sketch maps of the Italian Front and a few other maps of the area.

489. MAPS OF FRONTLINES--WESTERN FRONT. 1918. 17 items.

Small-scale base and sketch maps showing the frontlines on various dates in 1918 in Belgium and France and on parts of the front. Included are two items relating to the tank attack south of Montdidier, June 11.

490. FRONTLINES AND OPERATIONS MAPS--BALKANS, GREECE, PALESTINE, MIDDLE EAST, RUSSIA, AND SIBERIA. 1918. 18 items.

Small-scale base and sketch maps showing frontlines in Albania and Greece in September and October and in Palestine on September 18 and 25 and October 8; general areas of troop locations and operations in Persia, Turkestan, and Afghanistan; and communications and the location of forces in Finland, Russia, and Siberia.

491. PANORAMIC SKETCHES AND PHOTOGRAPHS. 1917-18. 10 items.

Printed sketches of Il Montello and the Col d'Échele area, sketches to illustrate operations above Corte in the Val Brenta and against Punta S. Matteo and Monte Mantello, and photographs accompanied by topographic maps of the Col Santo-Gruppo Pasubio area and of Val Posina and Monte Maio.

492. PLANS OF THE PORT OF GENOA. 1913.
2 items.

Published by the port authority.

Annotated Maps

493. OPERATIONS MAPS. 1918. 4 items.
A 1:100,000 map annotated to show zones assigned to American, British, and French

troops in the Lago di Garda and Brenta River areas; a 1:25,000 map annotated to show lines and areas of the 11th, 12th, and 57th Italian Divisions south of Asiago; a 1:50,000 map annotated to show the plan of Eighth Army artillery bombardment along the Piave to Spresiano, March 23; and 1:10,000 sheets annotated to show sector lines and Italian and Austrian posts west of the Piave and Faveri.

RECORDS OF ENEMY ORGANIZATIONS

There are only a few Austro-Hungarian records. German records are described by origin in a pattern corresponding to that used for the Allies.

AUSTRO-HUNGARIAN

The following maps were produced by the K. und K. Militärgeographisches Institut (Military Geographical Institute, Vienna).

494. 1:200,000 "GENERALKARTE VON MITTELEUROPA." 1910-17. 22 items.
Printed in colors; covering mainly Italo-Austrian and eastern Adriatic regions, but also some Polish and Rumanian areas. Included is a composite sheet of areas bordering the northern Adriatic. Arranged numerically.

495. 1:75,000 "SPEZIALKARTE DER ÖSTERREICHISCH-UNGARISCHEN MONARCHIE." 1894-1917. 112 items.

Printed in black and white, some sheets in blue; covering mainly Italo-Austrian regions, including borrowings from Italian maps, but also some Yugoslavian and Rumanian areas. Included is a 1:75,000 "Galati" sheet. Arranged numerically.

GERMAN

German records by mapping services and staff organizations include topographic maps by the Königlische Preussische Landesaufnahme (Royal Prussian Land Survey) and by the Grossherzogtums Topographisches Bureau (Topographical Bureau of the Grand Duchy of Baden). There are single items for the Reichs-Eisenbahn-Amt (Railway Office) and the Reichs-Marine-Amt (Naval Office). Other topographic maps were produced by the Kartographische Abteilung of the Stellvertretender Chef des Generalstabes der Armee (Cartographic Section, Deputy Chief of the General Staff) and by the Topographisches Bureau des K. B. Generalquartiermeister-Stabes

(Topographical Bureau of the Royal Bavarian General Staff). Aerial photo maps were made under the direction of the Kommandierender General der Luftstreitkräfte (Commanding General of the Air Force). There are two postwar records of the Reichswehrministerium Truppenamt (Ministry of War Troop Office). There are in addition maps by German armies, corps, groups, artillery commands, divisions, and survey units, and also a few printed maps not identified by origin. Field surveying and mapping activities were organized by army sectors under a Director of Military Survey at German GHQ. A "Stoeverm" (Survey Staff Officer), one or two Vermessung Abteilung (Survey Detachments), and a Karten-Feld druckerie (Map Printing Unit) were attached to the headquarters of each army. Branches of the Vermessung Abteilung constituted corps and division topographic sections or Kartenstelle (Mapping Post). Most of the annotated and manuscript maps in entry 538 are for the St.-Mihiel and Meuse-Argonne areas and are described by sector and subject matter.

KÖNIGLICHE PREUSSISCHE LANDESAUFNAHME

496. 1:1,000,000 "KARTE VON OST-CHINA." 1904, 1909. 3 items.

Two printed in colors, one a photo reproduction; "Mukden," "Peking," and "Wladiwostok."

497. 1:300,000 "ÜBERSICHTSKARTE VON MITTELEUROPE." 1900-17. 20 items.

Printed in colors; except for one sheet showing the Memel area, the coverage is for parts of Belgium, France, the Netherlands, and western Germany. Arranged alphabetically.

498. 1:200,000 "TOPOGRAPHISCHEN UEBERSICHTS-KARTE DES DEUTSCHEN REICHES." 1900-11. 10 items.

Printed in colors; coverage includes parts of western Germany. Arranged alphabetically.

499. 1:100,000 "KARTE DES DEUTSCHEN REICHES." 1889-1910. 11 items.
Printed; coverage for parts of western Germany. Arranged alphabetically.

500. 1:80,000 TOPOGRAPHIC MAPS OF FRANCE. 1905-18. 169 items.
Printed from "Carte de France"; coverage mainly of northeastern France. Arranged numerically.

501. 1:60,000 TOPOGRAPHIC MAPS OF BELGIUM. 1909, 1914. 2 items.
Printed from Belgian map; "Lierre" and "Wareme."

502. TOPOGRAPHIC MAPS OF THE EASTERN AND WESTERN FRONTS. 1914-19. 35 items.

Printed, some in colors and some based on maps in preceding entries: 1:300,000 sheets of Belgium, France, western Germany, and the Lithuanian area; 1:200,000 sheets of France and western Germany; 1:100,000 sheets of Russian and Polish areas; and 1:100,000, 1:80,000, and 1:50,000 sheets of Western Front areas.

503. 1:25,000 TOPOGRAPHIC MAPS OF WESTERN GERMANY. 1880-1915. 371 items.
Printed; coverage for parts of the Rhenish Province, Nassau, Westphalia, Lorraine, and Alsace. Arranged numerically.

504. MAPS SHOWING TRIANGULATION POINTS AND NETWORKS. n.d. 84 items.
Printed sets of 1:200,000 and 1:400,000 maps by the Land Triangulation Bureau. Arranged numerically (index, cover sheet).

GROSSHERZOGTUMS TOPOGRAPHISCHES
BUREAU (BADEN)

505. 1:25,000 "NEUE TOPOGRAPHISCHE KARTE DES GROSSHERZOGTUMS BADEN." n.d. 152 items.
Printed. Arranged numerically.

STELLVETRETENDER CHEF DES
GENERALSTABES DER ARMEE

Kartographische Abteilung

506. TOPOGRAPHIC MAPS OF THE EASTERN AND WESTERN FRONTS. 1915-17. 28 items.
Printed, some in colors; 1:300,000 sheets

of Polish and Russian areas and of France and western Germany, and 1:200,000, 1:100,000, 1:80,000, and 1:25,000 sheets of Western Front areas.

Eisenbahn-Amt

507. RAILROAD FURLOUGH MAPS. 1917-18. 2 items.

Printed maps of Germany showing furlough zones and railroads serving them.

TOPOGRAPHISCHES BUREAU DES
K.B. GENERALQUARTIERMEISTER-STABES

508. 1:50,000 TOPOGRAPHIC MAPS OF THE BAVARIAN PALATINATE. 1848-67; 1907-13. 7 items.
Printed. Arranged numerically.

509. 1:50,000 TOPOGRAPHIC MAPS OF WESTERN FRONT AREAS. 1915-18. 4 items.
Printed; based on work of Bavarian survey units.

REICHS-EISENBAHN-AMT

510. RAILROAD MAP OF GERMANY. 1914. 1 item.
A printed map of six 1:750,000 sheets showing the location of main German railroads.

REICHS-MARINE-AMT

511. LIBAU HARBOR CHART. 1915. 1 item.
Printed, 1:5,000.

KOMMANDIERENDER
GENERAL DER LUFTSTREITKRÄFTE

512. AERIAL PHOTO MAPS. 1916-17. 6 items.
Printed aerial photographs: 1:5,000 "Luftbildkarte" or 1:10,000 "Gelandebild" for the La Harazée, La Fille Morte, Éparges, Richécourt, Apremont, and Neuville areas.

REICHSWEHRMINISTERIUM
TRUPPENAMT

513. GARRISON MAPS. 1920. 2 items.
Printed 1:1,000,000 outline maps of Germany, one of which has supplementary information in annotated form, overprinted to show the areas and distribution for armies of 150,000 and 100,000 men.

GERMAN ARMIESFirst Army

514. MAP OF FRONTLINES. 1918. 1 item.

Printed 1:300,000 outline map overprinted to show the front west of Reims, June 9, and changes, June 9-11, north of Compiègne.

Second Army

515. ARMY FACILITIES AND WORKS. 1917. 5 items.

Overprinted 1:80,000 St.-Quentin topographic sheets showing listening posts, barracks and billets with their capacities, balloons, and air-fields behind the front from Le Catelet to Septvaux. Included is a 1:25,000 map showing strong points, machine guns, and artillery positions and posts around St.-Quentin.

516. TOPOGRAPHIC MAPS. 1918. 10 items.

Printed 1:50,000 and 1:25,000 sheets of the Amiens and Montdidier areas and Cléry-sur-Somme, Rosières, and Moislains.

Third Army

517. ALLIED ARTILLERY ACTIVITY MAPS. 1918. 2 items.

Overprinted joined 1:25,000 sheets showing location and grouping of artillery from St.-Hilaire to Recicourt for July 16-31 and August 1-28.

518. SECTOR AND CAMP MAP. 1918. 1 item.

Overprinted joined 1:80,000 sheets showing French lines and sector organization and German units in line, sectors, billeting and camp zones, and higher organization, September 13, from around St.-Hilaire to the Meuse River.

Fourth Army

519. COMMUNICATIONS MAP. 1916. 1 item.

Printed sketch showing telegraph and telephone networks in the occupied part of Belgium, May 1.

520. TOPOGRAPHIC AND TRENCH MAPS.

1918. 6 items.

Printed 1:50,000, 1:20,000 and 1:10,000 topographic maps, some of which are overprinted to show trenches and other defensive works, of the Calais, Comines, Merville, Steenwerck, St.-Omer, and Armentières areas.

Fifth Army

521. CAMP MAP. n.d. 1 item.

Overprinted 1:25,000 topographic sheet showing camps and zones for German troops on both sides of the Meuse River from Consenvoye to Dun.

522. FRENCH ARTILLERY ACTIVITY MAP. 1918. 1 item.

Overprinted 1:25,000 topographic sheet showing French artillery positions and activity, August 16-31, from south of Cheppy Wald to the Meuse.

523. TOPOGRAPHIC AND TRENCH MAPS.

1918. 13 items.

Printed 1:100,000, 1:25,000, 1:10,000, and 1:5,000 topographic maps, some of which are overprinted to show details of French and German lines and works, of areas along the Meuse River, in the Argonne, and along the Aisne River around Cerny-en-Laonnois.

Sixth Army

524. TOPOGRAPHIC AND TRENCH MAPS. 1918. 6 items.

A printed 1:80,000 topographic map of the Lille-Arras area; a 1:25,000 topographic map of the area west of St.-Hilaire; and 1:50,000 and 1:25,000 topographic sheets with trench overprint for the Armentières, Béthune, and Estaires areas.

Seventh Army

525. FRENCH TARGET AND DEFENSES MAPS. 1918. 3 items.

Overprinted 1:80,000 topographic maps showing numbered targets, especially road intersections, behind the French lines from Noyon to Reims in May and from west of Soissons to Reims, July 2, and general French trenchworks from west of Soissons to east of Reims, June 29.

526. ROAD MAP. 1918. 1 item.

Overprinted 1:80,000 topographic sheet showing the condition of roads behind the German lines from Noyon to Reims, June 28.

527. TOPOGRAPHIC MAPS. 1918. 5 items.

Printed 1:25,000 topographic maps of Condé-en-Brie, Coulanges, Crézancy, Marigny, and Ville-en-Tardenois.

Army Detachment "C"528. GERMAN FACILITIES AND DEFENSES
MAPS. 1918. 9 items.

A printed 1:100,000 topographic map showing German aircraft warning service locations in the St. -Mihiel salient; detailed 1:25,000 water supply maps for parts of the same area; a 1:25,000 sheet showing locations of camps, depots, hospitals, railroads, and other details northeast of St. -Mihiel; and printed maps and sketches showing sectors and defenses in the St. -Mihiel salient.

Isonzo Army529. ITALIAN INFORMATION MAPS. 1917-18.
10 items.

Overprinted topographic and sketch maps showing the location and order of battle of Italian troops south of the Piave River on June 26 (corrected to July 6), 1918, from Lago di Garda to the sea, November 3 and December 10, 1917, on the Isonzo, September 30 and October 27, 1917, and on the Piave, April 7, 1918; Italian order of battle and German organization from the Adige River to the sea, November 18, 1917; an overprinted topographic map showing Italian lines of communication south of the Piave around Treviso, Venezia, and Padova; and an overprinted 1:200,000 topographic sheet showing Italian industries located south of the front between Lago di Garda and the sea.

530. AREA AND FACILITIES MAPS. 1918.
2 items.

A printed sketch of railroad and traffic facilities in northern Italy, and a sketch of malaria zones and stations east of the Piave.

GROUPS531. FRENCH ARTILLERY ACTIVITY AND
OTHER MAPS. 1917-18. 107 items.

Overprinted maps by Groups Maas-West, Maas-Ost, Gorz, Argonnen, Metz, Oise, Mihiel, and Py, consisting chiefly of maps showing artillery activity in the sector opposite the group, but also including maps showing camps, sectors, railroads, and communications. Arranged by group.

CORPS532. ALLIED AND GERMAN INFORMATION
MAPS. 1916-19. 17 items.

Various overprinted maps by the I Bavarian Army Corps showing its organization and positions, and by the V, VI, IX, XI, XIV, XVI, and

XXV Corps, and Corps Schmettow showing details of Allied trenches, batteries, positions, camps, and communications. Maps by the VI Corps show camps near Treviso, May 27, 1918, and the situation at Riga, April 25, 1919. All the others show areas in France.

ARTILLERY COMMANDS

533. ARTILLERY MAPS. 1917-18. 28 items.

Various overprinted and sketch maps by 12 different artillery commands, most of which show targets and firing zones in American sectors of the Western Front and a few of which show German artillery positions.

DIVISIONS534. ALLIED AND GERMAN INFORMATION
MAPS. 1916-18. 77 items.

Various overprinted and sketch maps by 24 different divisions that show Allied lines and works and German railroads, communications, artillery and infantry positions, camps and zones, and shelled areas mainly in those areas opposite American units in the St. -Mihiel and Meuse-Argonne sectors.

SURVEY UNITS535. TOPOGRAPHIC, TRENCH, AND SPECIAL
MAPS. 1915-18. 704 items.

Printed maps, mainly 1:25,000, 1:10,000, and 1:5,000, of areas on the Western Front, including some special maps with information in addition to that usually found on trench maps, by Vermessung Abteilung (survey unit). Most of the 1:25,000 sheets have index maps, and the larger scales are keyed to these by name and number. The arrangement is by survey unit and thereunder by scale. There are additional index maps covering the work of VA 2 and 19. The following tabulation gives the VA number, the general area covered by its maps, and the quantity.

<u>VA</u>	<u>Area</u>	<u>Quantity</u>
2	St-Mihiel	238
3	East of Meuse-Verdon	46
8	Moselle area	14
9	St.-Pol-Arras	6
11	La Basée	2
12	Albert-Le Catelet	4
13	Senones	1
14	Compiègne-Reims	42
15	Varennes-Meuse	200
16	Rostow	1
17	Baupaume	1

<u>VA</u>	<u>Area</u>	<u>Quantity</u>
18	[not identified]	1
19	Chalons-Varennnes	116
20	West of Pont-à-Mousson	14
22	Thennes	1
23	Reims-Chalons	10
25	Soissons	4
26	Ham, Gury, Dallon	3

RANGING AND OTHER UNITS

536. ALLIED ARTILLERY AND OTHER MAPS. 1916-18. 20 items.

Overprinted 1:25,000 maps showing Allied artillery positions and activity for various dates by the 23d, 61st, 63d, and 68th Lichtmesstrupp (flash ranging units), the 55th Schallmesstrupp (sound ranging unit), and the 68th Artillerie Messtrupp (artillery survey unit). Included are a few maps by regiments and engineer companies.

OTHER RECORDS

Printed Maps

537. MAPS OF ACTIVITIES IN FRANCE, GERMANY, AND ITALY. 1915-18. 61 items.

Maps not identified by origin consisting of miscellaneous artillery graphs, charts, and tables; camp plans; bunker and other construction plans; schematic diagrams of communications networks for various kinds of organizations; a map of the Ruhr water supply; and maps showing defensive lines, trenches, zones, sector organization target zones, and enemy defenses and installations. A few items show topography, trenches, artillery organization, and other details in Italy.

Annotated and Manuscript Maps

538. MAPS OF THE MEUSE-ARGONNE AND ST.-MIHIEL AREAS. 1915-18. 1,195 items.

These maps are arranged into three area groupings; thereunder by sectors, except for the second grouping; and thereunder by subject matter. Maps of the first grouping cover the area from the Argonne Forest to the Meuse River and include the Hochwald, Tiefland, Falkenberg, and Forges sectors. Maps of the area east of the Meuse (primarily the vicinity of Haumont, Consenvoye, and Samogneux and extending southward to Combres) form the second grouping. Maps of the St.-Mihiel area, the third grouping, cover the western and southern sectors--the western sector extending southward from Combres and

turning eastward at St.-Mihiel to include Montsec; the southern sector extending from Montsec to Pont-à-Mousson.

With the exception of a folder of general maps for the Meuse-Argonne area, mainly artillery firing charts, the subject-matter classifications of the maps are as follows. "Positions" maps show a great variety of information about infantry and defensive positions, sector organization, headquarters and command-post locations, unit positions including machine gun and mortar, tank defenses, minefields, details of trench works, wire and other obstacles, strong points, and the like. "Artillery" maps include battery positions, firing overlays and range and sector charts, and enemy artillery activity maps. "Technical" maps include those showing details of communications, sector signaling systems for artillery and intelligence, observation posts and visible areas, field railways, engineer depots, and other posts. Maps showing a single subject not included in the three previous categories (for example, those showing camps and hospital facilities), as well as those not readily intelligible, are in a fourth classification entitled "other."

Most of the maps consist of manuscript overlays and annotated 1:10,000 and 1:25,000 trench maps. Some are annotated topographic base maps or special maps having additional information as overprinting. Many of the communications maps are outline sketches. Some printed artillery firing overlays have been retained with related manuscript and annotated overlays. Many of the maps contain identification slips or other notations. Most of the maps were made in 1918, some in 1917, and a few in 1915 and 1916. Included are index maps showing the boundaries of German sectors.

The following is a numerical tabulation of the arrangement:

<u>Area and sector</u>	<u>Positions</u>	<u>Artillery</u>	<u>Technical</u>	<u>Other</u>
Meuse-Argonne:				
[General]	---	---	---	38
Hochwald	13	1	7	3
Tiefland	110	36	8	19
Falkenberg	62	101	19	20
Forges	36	137	28	31
East of the Meuse:				
[General]	29	19	5	7
St.-Mihiel:				
Western	43	19	43	12
Southern	60	214	50	25

539. MAPS OF OTHER SECTORS AND AREAS.
1916-18. 132 items.

For the general region between Amiens and Reims, 16 maps including 1:80,000 and 1:25,000 topographic sheets with troop position, artillery, and other annotations; Vervins telephone and Rethel intelligence network sketches; and a 1:10,000 manuscript map of trench systems west of Beine. For the Marne region, 12 maps including an annotated 1:80,000 topographic map of the Chalons area showing defense lines; 1:25,000 special and topographic maps of the Dormans area with sector, artillery, and traffic annotations; and a 1:10,000 manuscript map of the 444th Regiment machine gun positions around Vaux on June 13, 1918. For the area along a line from Pintheville to Prény on the Woëvre Plain, 13 maps including 1:25,000 and 1:10,000 annotated maps showing troop positions and the sector organization southwest of Jarny on October 16, 1918, and southwest of Conflans, traffic around Charey, defense zones near Onville, troop positions and the sector organization around Jonville in October, Dommartin and Onville defense positions, and manuscript sketches of forests and lots near Rembercourt and Jaulny. For northern Italy, 27 maps including annotated Austriantopographic base maps showing traffic routes east of Lago di Garda and order of battle from Gorz to Tolmein, August 21 and 26, 1917, frontlines during operations in October 1918, administrative zones in the Udine area, and defenses around Salgareda; and processed 1:25,000, 1:6,250, and perhaps 1:10,000

maps showing the Vidor, Asiago, Fossalta, and Roana areas, and additional annotated processed Roana maps relating to operations there from February to May 1917. For the Kolditschewo area north of Baronovitchi, Russia, 51 maps, mostly 1:12,500 processed and annotated processed, showing positions, trench and technical works, and other details relating to the operations in 1916 of the 64th Regiment and some information about the 2d, 2d Reserve, and 37th Regiments. Six other annotated maps show Béthune sectors, Mouzon-Carignan communications posts, Coblenz-Neuweid occupation boundaries, Nomény defenses and communications, and German army sectors and locale of attacks on the Western Front. A manuscript sketch of Beuveille truck gardens and five Nomény-Rouves patrol sketches complete the series.

540. UNIDENTIFIED MAPS. 1915-18. 69 items.

These miscellaneous annotated processed maps, manuscript maps, and overlays are not readily identifiable by area. Information shown includes details of communications systems, camps, trench structures, areas visible from observation posts, artillery firing sectors, gun locations, target zones, trench systems, and defensive positions. Included is a folder of printed and manuscript graphic and tabular material relating to artillery firing, services, and organization and to machine gun company organization. They are arranged in general subject matter folders.

APPENDIXES

I. Glossary of Subject Headings in Appendixes II and III

- Air includes location of airfields, air activity, and aerial bombardment. (see facilities in app. II).
- Administrative areas includes billeting areas and the boundaries of various military zones and political divisions.
- Artillery includes the location and activity of batteries, objectives, antiaircraft, observation posts, communications, balloon operations, and gas warfare.
- Communications includes general systems of communications, telephone and wireless networks, radio intelligence, and power networks.
- Defenses includes lines, works, and positions, usually without unit designation.
- Facilities includes camps, depots, docks, dumps, and supply facilities (see also railroads and roads).
- Frontlines applies only to the location of the Allied front at a particular time or its progressive movement.
- Intelligence (app. II only) consists of multisubject enemy information maps.
- Medical (app. I only) includes the location of units and hospitals and also construction plans
- Operations in app. I includes maps accompanying field orders showing sector, boundary, and objective lines--and sometimes units; studies for operations and plans; and historical compilations. In app. II it relates mainly to specific actions.
- Order of battle is a particular kind of map showing units in line and higher organizations on specific dates.
- Railroads and roads also includes bridges, circulation maps governing traffic movement, and some details of the supply system (see also facilities).
- Resources includes industrial and mineral areas, geology, and water supply.
- Situation (app. I only) shows details of troop disposition on specific dates.
- Training (app. I only) includes chiefly training areas but also other information about instruction.
- Troop location includes the disposition of units, their movements, and some details of sector organization (see also order of battle, operations, and, for app. I only, situation).

II. Reference Guides to U.S. Maps, Series 1-311

[Series 1-83, General Headquarters; 84-121, Arms and Services; 122-148, First Army; 149-158, Second Army; 159-166, Third Army; 167-180, I Corps; 181-185, II Corps; 186-193, III Corps; 194-202, IV Corps; 203-210, V Corps; 211-215, VI Corps; 216-221, VII Corps; 222-225, VIII Corps; 226, IX Corps; 227-303, Divisions; 304-311, historical]

A. Subject Guide to the Maps. See appendix I for explanation of subject headings below.

Subject	Information about the AEF or Allies	Information about the enemy
Air	29, 32, 35, 75, 98, 111-113, 134, 163, 197	21, 28, 30, 76, 113, 128, 152, 307
Administrative areas	5, 10, 41, 54-57, 64, 65, 70, 77, 84, 94, 105, 107, 117, 123, 125, 150, 154, 156, 158, 161, 166, 168, 186, 197, 203, 210, 214, 305, 308	76, 118, 160, 195
Artillery	7, 34, 36, 43, 66, 67, 72, 75, 77, 90, 113, 134, 138, 142, 147, 154, 158, 174, 176, 183, 198, 200, 209, 304, 305, 307	21, 31, 46, 76, 128, 139, 140, 142, 152-154, 170, 175, 192, 195, 201, 215
Communications	2, 64, 75, 77, 88, 103, 115, 148, 165, 177, 180, 193, 197, 202, 207, 221	26, 27, 37, 134, 153, 180, 195, 196, 304, 307
Defenses	-----	1, 18, 21, 34, 45, 47, 49, 50, 76, 113, 122, 129, 131, 132, 135, 153, 154, 181, 188, 195, 196, 198, 205, 206, 208, 212, 223, 226
Facilities	5, 7, 35, 49, 50, 64, 75, 86, 87, 89, 92, 94, 97-100, 102, 104-107, 109, 111, 114, 144, 145, 167, 189, 203, 217	21, 76, 132, 153
Frontlines	1, 7-9, 15, 19, 34, 40, 48, 51-55, 69, 78, 113, 130, 133, 137, 143, 156, 168, 183, 205, 308	-----
Medical	35, 64, 90, 97, 99, 100, 167	-----
Operations	1, 9, 20, 47, 49, 50, 54-56, 68, 79, 115, 116, 134, 135, 138, 143, 147, 161, 172, 183, 190, 198, 208, 214, 226, 304, 305, 307, 308	20, 34, 50, 62, 128, 129, 152, 154
Order of battle	14, 50, 58, 71, 78, 115	12-14, 50, 58, 71, 76, 127, 151, 152, 159, 169, 182, 187, 194, 198, 204, 206, 211, 223, 305
Railroads and roads	1, 5, 22, 34, 40, 64, 73, 77, 80, 86, 91, 94, 96-98, 101, 105-110, 124, 135, 142, 144, 146, 149, 150, 154, 157, 167, 186, 189, 197, 198, 203, 207, 213, 216, 217, 219, 220, 222, 224	10, 21, 22, 31, 34, 50, 95, 113, 116, 129, 134, 152, 160, 164
Resources	16, 17, 23, 31, 35, 74, 81, 82, 86, 93, 129, 157, 178	-----
Situation	60, 61, 83, 117, 136, 155, 162, 173, 184, 191, 199, 218, 225	-----
Training	5, 7, 39, 41, 43, 46, 57, 60, 65-67, 85, 90-92, 114, 133, 161, 222-224, 304	-----
Troop location	7, 8, 34, 47, 50, 52, 55, 59, 60, 68, 71, 77, 78, 94, 112, 115, 116, 126, 135, 143, 149, 160, 161, 198, 219, 304, 307, 308	7, 8, 14, 15, 22, 40, 47, 52, 76, 128, 132, 134, 153, 159, 188, 195, 304

II. --Continued.

B. Division Maps by Type of Map.

Division	1	2	3	4	5	6	7	26	27	28	29	30	31	32	33	35
Reports	227	230 306	233	236	239 306	---	243	246	249 306	251	254 306	256 306	---	259 306	262	265
Situation	228 311	231 311	234	237	240	242	244	247	250	252	255	257	258	260	263	266
Other	229 308 309	232 308 310	235 308	238 308	241 308	---	245 308	248 308	---	253	308	308	---	261	264	---
Division	36	37	41	42	76	77	78	79	80	81	82	88	89	90	91	92
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Situation	---	270	---	274	---	277	281	---	286	---	291	293	295	---	---	302
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For a list of other publications in this series, see the list of National Archives publications, which may be obtained upon request from the Exhibits and Publications Division, The National Archives, General Services Administration, Washington, D. C. 20408.

