

353 (GS) Training, Gen'l.

HEADQUARTERS, 81st DIVISION
Camp Sevier, Greenville, S. C.

MMMC.
CLASSIFICATION
CANCELLED
By authority of the Adjutant General
John L. ...
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251-578 Training 1918

July 8, 1918.

MEMORANDUM for Brigadier General Donaldson, Inspector General's Dep't.

1. Following extracts from reports made to the Chief of Staff, United States Army, explain the general policy in regard to training of this Division:

Letter May 3, 1918.

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"2. The plan of instruction as outlined by the Training Circulars from the Training Section of the General Staff contemplates a division at war strength. This Division has but twenty-five per cent of its enlisted personnel, consequently it has been impossible to follow the General Staff training plans in detail. Insofar as the size of the units and equipment have permitted, these plans in general have been followed.

3. Endeavor has been made to utilize this period (with the Division at low strength) to train the individual to a high state of efficiency, in order that each unit may have a thoroughly competent training cadre to carry on the work when the Division is recruited to full strength. With this end in view, war strength companies, battalions, etc., have been organized for a majority of the drills and exercises, and the resulting surplus officers and non-commissioned officers have been required to attend division and brigade schools under thoroughly competent instructors. The officers and non-commissioned officers conducting the drills for the war strength companies and battalions have been rotated, so that all have had opportunity to command. The division and brigade schools have graduated a great number of officers and non-commissioned officers and selected privates. (See list of schools attached.)

4. This general scheme will be continued until the Division received its recruits. When that takes place, the division schools will be cut to a minimum, and every effort will be bent to quickly and thoroughly train the recruits in the companies, battalions, and regiments, under their own officers and non-commissioned officers. The division schools that are continued will hold their sessions for only two hours a day, late in the afternoon, so as to interfere as little as possible with the company training. The foreign advisors, who now confine their attention to the division schools, will then be utilized to inspect the different organizations and advise commanding officers on carrying out the instruction program.

5. In the general scheme of instruction of this Division the greatest effort has been put forth to inculcate strict discipline. With this end in view, snap and precision have been demanded at all drills. The strictest compliance with the regulations regarding military courtesies and military bearing has been demanded of every member of this command. This subject is considered so important that a special school has been established to teach the requirements of the regulations in this regard, and also with the object of qualifying a corps of special inspectors to check up and see that the regulations are actually enforced. The importance of markman-

ship has been impressed on all ranks. This instruction has proceeded very satisfactorily, and the Division is now in excellent shape in this regard. The physical training has been conducted so as to develop the individual in strength, agility, and endurance to the point where he can withstand the excessive strains imposed upon him by the conditions of active service in France."

Letter June 30th, 1918.

* * * *

"2. This Division was approximately thirty percent strength until June 15th. At present it is practically at authorized strength. The period up to June 15th was utilized to train the individual thoroughly, so that when the recruits were received each unit would have a thoroughly competent training cadre, capable of receiving and training the large number of recruits which have since joined. To this end, up to June 15th, the instruction was highly centralized. Officers and non-commissioned officers' schools were formed in the Division and in the Brigades. For drill purposes units were usually consolidated into war strength companies and battalions.

3. Commencing June 15th the plan of instruction was changed. Since that date practically all instruction has been given in the organizations. The aim has been: first, to make soldiers out of the recruits; to teach them to maintain a proper military bearing and appearance; to make them punctilious regarding military courtesies; and to give them a thorough training in close order drill, demanding in all work snap and precision. Second; to teach them to shoot. Preliminary practice is now being given. The range practice will commence on July 5th and will be completed about July 25th. The instruction in close and extended order drill, physical drill, etc., will continue during this range practice. The schedule for rifle practice is so arranged that each unit will spend one-third of the day on the range, the remaining two-thirds being devoted to general training. Third: to develop the individual in strength, agility and endurance to the point where he can withstand the excessive strains imposed upon him by conditions of active service abroad. To this end, a portion of each day is devoted to games and boxing instruction. An athletic field meet is scheduled for the morning of July 4th.

4. Until the recruits are thoroughly grounded in the school of the soldier, the squad and the company, very little training will be given in the specialties. It is contemplated that training in the specialties will commence on July 20th.

5. In the general scheme of instruction in this Division, great stress is laid on the necessity for strict discipline. Discipline is inculcated by demanding snap and precision in all drills of whatever nature, by carefully checking to see that orders are carefully and exactly complied with, and by keeping close check on the military bearing and appearance of all members of the Division at all times, both when on and off duty. To accomplish the latter, special inspectors who have been given instruction in the Division School for this purpose, are detailed three or four times per week at irregular intervals to check up and report all errors in saluting, military bearing and military appearance of members of this command. This plan has produced excellent results."

2. From the above it can be seen that the general subject of training has been divided into two periods. The first period lasted until June 15, 1918. Up to this time the Division was at low strength (about 30%). The second period commenced when the recruits joined.

3. During the first period it was possible to thoroughly train the entire personnel. This was done principally by means of Division and Brigade Schools. Schedules were so arranged that each unit of the Division was supplied with sufficient trained instructors in each subject and specialty. When the recruits joined on June 15th, each organization was practically self-supporting for the reason that a nucleus of officers, non-commissioned officers, and old men had been thoroughly trained to act as instructors.

4. During this second period practically all training and instruction is being given in the organizations. To assist Regimental and Brigade Commanders, the Foreign Advisors on duty with this Division are attached to the different regiments and brigades. This was done for two reasons: first, to keep all the instruction within the organization; second, to get the organizations in closer touch with the foreign officers.

5. In the training of the recruit the following are considered the essentials:

1. To teach the man to be a soldier,
2. To teach him to shoot,
3. To develop his physical endurance.

To co-ordinate this training throughout the Division and to insure that the recruits receive a thorough grounding in these first three essentials before their training is extended to the various specialties, Training Memorandum No. 78 was issued on June 17th, which outlines the various results desired at the end of each week, up to and including week ending July 13th, 1916. This memorandum demands certain results of Commanding Officers, but gives no details as to how such results are to be obtained.

Drill schedules are tuned in each week by organizations and are carefully checked to see that they comply with Training Memorandum No. 78, and the organizations are inspected by the General Staff Officer in charge of operations to insure that these schedules are being carried out on the drill field. Results of this system have been excellent. The training has proceeded very rapidly.

6. Range practice is now being held and schedules are so arranged that although the entire range is utilized for twelve hours per day, enabling a total of 10,000 men to fire from 10 to 30 rounds each per day, each organization fires but one-third of each day; the remaining time being devoted to drills, exercises, and work preliminary to target practice.

7. The general scheme for developing the soldier's physique is provided for in Training Memorandum No. 77, which gives the standards required of each individual. In addition to this individual instruction, Field Meets are held from time to time. The last one was held on July 4th (See program attached). The physical training and bayonet combat, also the boxing, are systematized throughout the Division, and are superintended by Captain Jefferson, British Army. Results accomplished have been very good.

8. Beside the training as outlined above, on all occasions, every advantage is seized to develop esprit. It is believed that esprit de corps has an important bearing on morale, and for that reason no opportunity to develop this spirit is neglected.

C. D. Roberts,
Colonel, General Staff,
Chief of Staff.

HEADQUARTERS, 81st DIVISION
Camp Sevier, Greenville, S. C.

July 8, 1918.

MEMORANDUM for Brigadier General Donaldson, Inspector General's Dep't:-

1. The following is a copy of report on Division Schools, submitted to the Chief of Staff, United States Army, on May 1st, which has been supplemented and brought up to date:

AUTOMATIC ARMS:

School establishedApril 1, 1918.

Senior Instructor.....Capt. S. S. Alderman, 321st Infantry.

Ass't Instructors.....2nd Lieut. Pierre Mesuret, 123rd Inf.,
French Army; 2nd Lieut. Blight Robinson,
306th Engineers; Sergeant Paul Ragout,
French Army; Sgt. Hermann, U. S. Ord. Corps.

Length of course for each
class.....2 weeks.

Total number of hours.....66.

Subjects taughtLewis Machine Gun (Light); Chauchat
Automatic Rifle; Colt Automatic Pistol
Cal. 45; Browning Machine Rifle, U. S.
Model of 1918. Organization of Automat-
ic Rifle Teams; Tactical use of automat-
ic Rifles; theory of fire; range and
field firing.

Students.....2 officers from each infantry regiment,
1 each from 306th Train Hq. & M. P., and
306th Engineers; 2 N. C. C.'s from each
infantry regiment; 1 each from 306th
Train Hq. & M. P., and 306th Engineers.

Total Number in each class.....24

Total Number who have finished
course, to include Apr 30th.42 (24 Officers and 18 N. C. C.'s.).

Remarks.....For class beginning April 29 detail
increased to 32.

Note: The school which commenced on April 29th, consisting of 32 members, completed their course after arriving at Camp Sevier. Immediately on receipt of the Browning Automatic Rifles at this camp two were issued each regiment and the instruction of platoon leaders in this weapon was continued in the brigades and regiments, so that at present each platoon has competent instructors to teach this arm. During target practice the officers and men as they finish their firing for the day, go to the automatic rifle range for a course of instruction in firing this weapon. Each man fires approximately 100 rounds.

BAKERS AND COOKS.

School established.....August 24, 1917.

Senior Instructor.....Captain M.D. Dunbar, Q.M., R.C.

Ass't Instructors.....Capt. O. Trenkle, Q.M., R.C.
 1st Lieut. A. Mutter, Q.M., M.A.
 2nd Lieut. J. Pigford, Inf., R.C.
 2nd Lieut. L. Sullivan, Inf., R.C.

Length of course for each class.....8 weeks.

Total number of hours.....672

Subjects taught.....Cooking and baking.

Students.....1 N.C.O. from Ramount Depot; 334
 privates from various organiza-
 tions.

Total number in each class.....335 now undergoing instruction.

Total number who have finished
 course to include April 30.....414 graduated; 507 received
 instr. between Sep't 4, Oct. 31-
 not given certificate of
 efficiency.

Remarks: There are 20 school kitchens in operation throughout the Cantonment, teaching regular course in cooking and pastry work. There are 15 other messes being operated under the direct supervision of non-commissioned officers (Instructors) from this school.

BAYONET TRAINING SCHOOL.

School established.....December 29, 1917.

Senior Instructor.....Capt. J. Jefferson, British Army.

Ass't Instructors.....1st Lt. P.C. Aughtry, 324th Inf.
 1st Lt. W.N. Keller, 323rd Inf.
 Sgt. Maj. Harragan, British Army.
 Sgt. B. F. Sands, 324th Inf.
 Sgt. Nevins, 324th Inf.
 Sgt. Fellows, 323rd Inf.
 Corp. Campbell, 323rd Inf.

Length of course for each class.....2 weeks (10 working days, 3½ hr. each)

Total number of hours.....35

Subjects taught.....Bayonet training and unarmed defense
 practices.

Students.....From each Infantry regiment and
 Depot Brigade; 3 officers and
 12 N.C.O.'s; from engineers and
 trains, 1 officer and 3 N.C.O.'s.

Total number in each class.....18 officers; 60 N.C.O.'s.

Remarks: A bayonet training class was held in each of the Infantry brigades previous to this; about 20 officers and 20 other ranks attended in each brigade.

PHYSICAL AND BAYONET TRAINING SCHOOL.

School established.....March 11, 1918.

Senior Instructor.....Capt. J. Jefferson, British Army.

Ass't Instructors.....Sgt. Maj. Harragan, British Army.
Sgt. E. F. Sands, 324th Inf.
Sgt. Nevins, 324th Inf.
Sgt. McMally, 321st Inf.

Length of course for each class.....18 working days (average 4½ hrs. per day).

Total number of hours.....84

Subjects taught.....Physical Training, Bayonet Training, Obstacle Training, Unarmed Defense Practice.

Students.....4 officers, 11 N.C.O.'s from each Infantry regiment; 5 N.C.O.'s from Stokes Mortar Battery.

Total number in each class.....33 (Average)

Total number who have finished course, to include Apr. 30, 1918.....Brigade Bayonet classes, about 60;
Div. Bayonet Training School, 281;
Div. Physical and Bayonet Training School, 63.

Remarks: The numbers above shown under "students" are the numbers who satisfactorily completed the course and not the total that commenced the courses.

Note: This instruction has been continued in the regiments and brigades since the Division arrived in this Camp. Instruction has been superintended by Captain Jefferson. He assembles the instructors from each regiment each day for a thirty minute "Refresher Course". The instructors then report back to the regiments and take the companies, two at a time, for 30 minutes or one hour each.

GAS DEFENSE.

School established.....December 16, 1917.

Senior Instructor.....1st Lieut. Andrew A. Wollin, Eng., R. C.

Ass't Instructors.....Sgt. Martin Luther and other N.C.O.'s detailed for short periods.

Advisors from Foreign Mission.....Lieut. Minchin, Canadian Overseas Fcs
Sgt. Scott, Canadian Overseas Forces

Length of course for each class.....Officers, 6 days, 2 hrs. per day,
N.C.O.'s 6 days, avg 5 hrs per day.

Total number of hours.....12, officers; 30, N. C. O.'s.

Subjects taught.....Gas and its use in Warfare; Protection against gas, and trench duties relative to defense against gas.

GAS DEFENSE (CONTINUED).

Students.....All officers from each unit who were with the unit at the time it was scheduled to attend school. One N. C. O. from each company or corresponding unit has been to school and the schedule to instruct a second N. C. O. from each company or corresponding unit is now in progress.

Total number in each class.....Officers 40, 3 classes a day, N. C. O.'s 40, 1 class a day.

Total number who have finished course, to include April 30, 1918.....1201 Officers (including officers of 371st Infantry, Div. Hdq. officers, and Camp officers not in Div.) 157 N. C. O.'s.

Remarks: Captain Birnie, M. R. O. was in charge of school until April 12, 1918. Class for officers completed March 23. Schedule for N. C. O. classes will be completed May 25th.

Note: Gas Defense Instruction is being given to all officers and men, including the recruits, of this Division. See Training Memorandum No. 81, June 20, 1918. Major J. E. Brightman, British Military Mission, reported for duty on June 10, 1918, and is in charge of instruction. He is detailed for a week at a time with each Infantry regiment, and in addition to duties with that regiment, superintends the gas instruction for the other units. Each Company is now supplied with 50 gas masks, which is sufficient for training purposes.

GRENADES

School established.....December 6, 1918.

Senior Instructor.....Lieut. Andre' Ullman, French Army.

Ass't Instructor.....Lieut. Hubert M. Smith, 324th Inf.

Length of course for each class.....1 week.

Total number of hours.....27

Subjects taught.....Grenades (Hand and Rifle).

Students.....2 officers from each Inf. Regt; 1 from each M. G. B'n, and Engineer Regiment. 2 N. C. O.'s from each Infantry Regt; 1 N. C. O. from Eng. Regt. and each M. G. B'n.

Total Number in each class.....28

Total number who have finished course to include Apr. 30.....140 (5 courses).

Remarks: Beside this Divisional School each Infantry Regiment, each M. G. B'n, and Engineer Regiment have had a grenade school of their own, allowing practically every company officer to have a good grenade instruction.

Note: In addition to the above the Engineers have been given considerable practice in throwing live grenades, and a certain percentage of officers and N. C. O.'s in each Infantry regiment have also been given this instruction. As soon as the basic training of the recruit has progressed sufficiently, this instruction will be continued in the regiments. There was no grenade range in this Camp when the division arrived here, but one has since been constructed.

HORSE-SHOERS SCHOOL.

School established.....January 7, 1918.

Senior Instructor.....2nd Lieut. Walter D. McCormack.

Ass't Instructors.....Sgt. 1st Cl. Frank E. Beniot,
Sgt. Buford Jackson,
Act'g Sgt. Gilbert A. Stelling.

Length of course for each class.....2 months.

Total number of hours.....396.

Subjects taught.....Horse-shoeing and blacksmithing.

Students.....Officers O, 2 Sgts from 306th
Ammunition Train and details of
privates from various organizations.

Total number in each class.....Class ending March 7, 51; March 21s
29.

Total number who have finished
course, to include Apr. 30, 1918.....80

Note: Since arriving at Camp Sevier the same course of instruction as above outlined has been conducted in this Camp. One class selected from various organizations of the Division has already graduated.

MACHINE GUN SCHOOL.

School established.....November 30, 1917.

Senior Instructor.....Capt. J. F. G. Smith, M. C., British Army.

Ass't Instructors.....Capt. Morris Lumpkin, 317th M.G. B'n.
Lieut. D. Grimbail, 316th M.G. B'n.
Capt. H. H. Hall, 316th M.G. B'n.
Lieut. Eugene Payton, 317th M.G. B'n.
Lieut. W. O. Smith, 316th M.G. B'n.
Lieut. Webster, 316th M.G. B'n.

Length of course for each class.....3 weeks (Elementary).

Total number of hours.....78

Subjects taught.....Discipline and esprit de corps;
aiming; visual training; training of machine gunners; in-
dication and recognition; ranges and range cards; charac-
teristics of machine guns; military vocabulary; digging
of emplacements; reconnoissance; fire orders; use of
ground cover; selection of machine gun positions; map read-
ing; hints on instructing; fire control; use of field
glasses and telescopes; ranging duties; points before, dur-
ing and after firing; mechanism and nomenclature; target
designation; tests of elementary training; belt filling,
1000 inch range map and compass work; judging distance;
lowest position drill; rough ground drill; machine gun
drill.

Students.....50 officers and 30 M.C.O's from
each Machine Gun Co., exclusive of Machine Gun Battalion Commanders

Total number in each class.....60

MACHINE GUN SCHOOL (CONT'D).

Total number who have finished course, to include April 30, 1918....89 officers, 90 N.C.O.'s.

Remarks: The first two elementary courses contained only 15 officers and 15 N.C.O.'s.

Note: See note under Machine Gun School, Advanced.

MACHINE GUN SCHOOL, ADVANCED.

School established.....March 25, 1918.

Senior Instructor.....Capt. J. F. G. Smith, British Army.

Ass't Instructors.....Capt. Morris Lumpkin, 318th M.G. B'n.
 Lieut. D. Grimboll, 318th M.G. B'n.
 Capt. Benj. A. Hubbard, 316th M.G. B'n.
 Lieut. Porter Williams, 318th M.G. B'n.
 Lieut. Carlton Wright, 318th M.G. B'n.
 Sgt. J. J. Shirley, 318th M.G. B'n.
 Sgt. Fennell, 317th M.G. B'n.

Length of course for each class.....4 weeks (Advanced)

Total number of hours.....252

Subjects taught.....Digging and sandbagging; making of battery maps; lowest position drill; attack; defense; open and position; rough ground drill; barrage drill; machine guns in battle; ambushes; outposts; warfare, advance rear and flank; warfare improvised defenses; consolidation orders and communications; messages and reports; tactical section exercises A and B; fire direction; Parts II, III, IV; barrage fire, Parts I, II, III. Machine guns in anti-aircraft; use of pantograph; use and care of instruments; map reading; hints on horsemanship; field firing practices; marching and march discipline; use of camouflage; ammunition supply; characteristics of light automatic weapons; tactical handling of automatic compass work and weapons; machine gun drill; mechanism, nomenclature; spare parts; resection; points before during and after firing; stripping care and cleaning; repairs and adjustments; belt filling; range practice 1000 inch range; field firing; practices writing of operation orders; trench routine and trench relief; discipline and military courtesies.

Students.....Machine Gun B'n Commanders, 3 officers from each M.G. Company.

Total number in each class.....45 (all officers)

Total number who have finished course to include Apr. 30, 1918.....45 officers.

Remarks: 39 officers qualified and 2 B'n commanders. 3 officers reported sick, 1 completed 3 weeks of the course.

Note: The Advanced Course for Machine Gun Officers has been continued and all officers from Machine Gun organizations have completed this course. In addition a class has been formed for all Machine Gun Sergeants. Length of course, 1 month. This class will finish July 12th. All Machine Gun organizations are now equipped with sufficient Browning Machine Guns for instructional purposes, and the instruction is proceeding very satisfactorily.

ART.

Senior Instructor..... Major General Bailey.

Ass't Instructors..... Col. C. D. Roberts,
Col. Richardson, 322nd Inf.
Col. Andrew Moses.

Length of course for each class... continuous.

Total number of hours..... 2 per week.

Subjects taught..... Lectures on European Battle
Fronts, Map Problems, Open
Warfare, Operation Orders,
and Staff Problems.

Students..... Brigade and Regimental Com-
manders and all Field Officers
Divisional Staff.

Remarks: This course is continuous.

Note: This course is now being supplemented by a course con-
ducted by Colonel Roberts, Chief of Staff; and arrangements are being
made to conduct a course for Senior Staff Officers, as outlined by the
War Department.

MILITARY COURTESIAL.

School established..... March 25, 1918.

Senior Instructor..... Major Alva Lee, General Staff,
Major H. H. Jackson, British Army,
Capt. J. F. G. Smith, British Army.
1st Lt. Rudolph Whitelegg, AD.C., U.S.A.

Length of course for each class.. 1 week.

Total number of hours in course... 8

Subjects taught..... Lectures on discipline and military
bearing and military appearance,
Regulations and orders on saluting
and military bearing. How to teach
saluting (applicatory method).

Students..... 2 officers and 6 N.C.O.'s from
each Infantry and Engineer Regiment in Camp; 1 officer and
2 N.C.O.'s from each M.G.B'n, Signal B'n. 2 officers and 2
N.C.O.'s from 306th Train Bq. & M.P.

Total number in each class..... 107 N.C.O.'s, 39 Officers (average)

Total number who have finished course
to include Apr. 30, 1918.... 183 officers; 512 N.C.O.'s.

Remarks: The course had for its object teaching a uniform system of
saluting and qualifying a corps of special inspectors to correct errors
in saluting.

Note: This school has been continued since arriving in this Camp,
in order to bring the camp units up to the standard attained by the 81st
Division.

PLATOON COMMANDERS (161st Infantry Brigade)

School established..... April 2, 1918.

Senior Instructor..... Major G.H.Huller, 322nd Inf.

Assistant Instructors..... Capt.H.C.Stuart, 322nd Inf.
 Lieut.Bazin, French Army,
 Lieuts.Welch, Scarry and Coleman,
 322nd Inf., Lieuts.Hall and Fowler,
 321st Infantry.

Length of course for each class... 4 weeks

Total numbers of hours in course 132

Subjects taught..... Infantry Drill, up to and including
 School of the Company; Bayonet,
 physical and command exercises;
 boxing, musketry, map reading;
 lectures and observations on Ar-
 tillery Fire; Attack, (trench war-
 fare); machine guns; automatic
 rifles; live grenades; platoon com-
 manders manual; military courtesy.

Students..... All officers available from each
 regiment. Attendance variable,
 owing to exigencies of service.

Total number in each class..... Varied from 50 to 80.

Total number who have finished course
 to include April 30, 1918..... 70

Remarks: Due to unfavorable weather conditions, outdoor work was very
 much hampered, amounting to less than three weeks.

PLATOON COMMANDERS (162nd Infantry Brigade).

School established..... April 2, 1918.

Senior Instructor..... Major Gordon Macdonald, 324th Inf.
 Capt. W.C.Mueller, 324th Inf.
 Lt.W.A.Palmer, 324th Inf.
 Lt. Myers, 323rd Infantry.

Length of course for each class....4 weeks.

Total number of hours in course... 118

Subjects taught..... Close order drill; open order
 drill; bayonet and physical
 exercise; musketry; lectures and
 demonstrations by English and French
 officers on various features of
 modern warfare.

Students..... Originally 3 Lieutenants from
 each Infantry Company in the Brigade and 1 Lieutenant from
 each Company in the M.G.B'n. This number was very materially
 reduced, however, by the assignment of a number of the officers
 to the Depot Brigade, as well as to Division Schools, detached
 service, etc.

Total number who finished course
 to include Apr.27,1918..... 38

School established..... March 19, 1918.
 Senior Instructor..... Capt. W. S. Marble, Ord., R. C.
 Ass't Instructor..... 1st Lieut. A. C. Marsh, Ord. R. C.
 Length of course for each class... 7 weeks (2 days a week)
 Total number hours..... 57
 Subjects taught..... Ordnance paper work, making invoices etc.
 Students..... 54 N. C. O's from various organizations.
 Total number who have finished course to include Apr. 30, 1918..... 54.

PACKERS.

School established..... November 19, 1917.
 Senior Instructor..... Capt. W. H. McWilliams.
 Ass't Instructor..... Sgt. Albert James, C. M. C., N. A.
 Length of course for each class... 2 months.
 Total number hours..... 352
 Subjects taught..... Care of animals, care of equipment, care of cargo and packing.
 Total number in each class..... 1st class, 8 pvts; 2nd, 8 pvts; 3rd, 4 pvts; 4th, 6 pvts; from each infantry and artillery reg't 3 men; from other organizations 1 man.
 Total number who have finished course to include Apr. 30, 1918..... 26

Remarks; Instruction is conducted by practical experience in packing, including two weekly marches and one monthly bivouac.

PIIONEER SCHOOL AND FIELD FORTIFICATIONS.

School established..... March 15, 1918.
 Senior Instructor..... Col. R. R. Halston, Eng., N. A.
 Ass't Instructors..... Lieut. Mazin, French Army, Lieut. Adams, 306th Engineers, Lieut. Mengel, 306th Engineers.
 Length of course for each class... 2 weeks.
 Total number hours..... 50
 Subjects taught..... Field fortifications and accessories.

PIONEER SCHOOL (CONT'D)

Students..... 2 officers from each Infantry B'n, regiment of Engineers, 1 from each M.G.B'n.

Total number each class..... 1st class 31; 2nd class 27.

Total number who have finished course, to include Apr.30,1918.... 58, and including previous schools noted under remarks, 78.

Remarks: A school in practical and theoretical work was conducted from January to the end of March for a class consisting of the Pioneer officers from each Infantry regiment, one officer from each Infantry and M.G.B'n.

Note: The work outlined above is being supplemented by a class, commencing July 8th, consisting of the entire personnel of each Pioneer Platoon of Infantry regiments. See extract from Training Memorandum No. 87, July 6th, which reads as follows:

"1. A Pioneer School conducted by Captain Bosc, French Army, will commence on Monday, July 8th, at 1:30 P. M. Officers and men of pioneer platoons of all Infantry regiments will attend.

Hours: 1:30 to 5:00 P.M., daily except Sat. and Sun.

Uniforms: Same as for rifle range.

Rendezvous point: Paris Mountain School house (near Engineer Headquarters)."

1 POUNDER SCHOOL.

School established March 19, 1918.

Senior Instructor 1st Lieut. John G. Galbrath, 324th Inf.

Ass't Instructor Lieut. Ullman, French Army.

Length of course for each class .. 6 weeks.

Total number of hours 195

Subjects taught Duties pertaining to 1 Pounder Sec.

Students 1 officer, 10 men from; 371st, 324th 321st Infantry. 2 officers and 10 men from 322nd, 323rd Infantry.

Total number who have finished course, to include Apr.30,1918 ... 28

Total number in each class 48.

Note: The work outlined above has been supplemented by 10 hours work every week in the brigade schools. Each brigade is now supplied with a 1 Pounder Gun and the instruction is systematized and work progressing very satisfactorily.

SANITATION AND FIRST AID.

School established March 18, 1918.

Senior Instructor Lieut. Col. Kent Nelson, M.C.

Ass't Instructors..... Regimental and separate organization surgeons.

SANITATION AND FIRST AID (CONT'D)

Length of course for each class .. 2 weeks.
 Total number of hours 10
 Subjects taught First Aid and transportation of wounded. Camp Sanitation and Hygiene.
 Students 1 officer and 1 N.C.O. from each Company and detachment.
 Total number in each class 268.
 Total number who have finished the course, to include Apr.30,1918,268.

Remarks: This school was established for the purpose of giving one officer and one N.C.O. from each company special instruction in the above subjects, and embraced subjects of practical value to the line.

SNIPING AND INTELLIGENCE.

School established March 4, 1918.
 Senior Instructor Major H. Haygarth Jackson, M.C., British Army.
 Ass't Instructor Color Sgt. A. E. Parsons, British Army.
 Length of course for each class .. 2 weeks.
 Total number of hours 56
 Subjects taught Sniping, observation, scouting, stalking, disguising, map reading, patrolling, intelligence subjects.
 Students 1 officer, 1 N.C.O., 2 Pvts. from each Infantry Battalion.
 Total number each class 44 - 56
 Total number who have finished course, to include Apr.30,1918..... 56 now attending, 144 completed course.

Remarks: 1st and 4th courses had 56 students; 2nd and 3rd, 44.

Note: The class, consisting of 56 members, which was attending the school on April 30th, completed the course after arriving at Camp Sevier. There was also a course for Battalion and Brigade Adjutants which lasted one week. This work is now being continued in the regiments, with the view of organizing a sniping and intelligence section for each battalion.

TEAMSTERS.

School established November 19, 1917.
 Senior Instructor Capt. W. H. McWilliams, C.M., R.C.
 Assistant Instructors Sgt. Luther P. Barton, C.M.C.,
 Sgt. Gran Gilmore, C.M.C.,
 Sgt. Daniel J. Mahoney, C.M.C.

TEAMSTERS (CONT'D)

Length of course for each class 2 months

Total number hours each class 352

Subjects taught Care of animals, care of harness, care of wagons, and driving four line teams.

Total number of each class 35 (average)

Total number who have finished course, to include Apr. 30, 1918 119.

Remarks: Instruction by practical experience in teaming and one march and bivouac monthly.

Note: This instruction was continued after arriving at Camp, Sevier, and one class has already graduated.

TRENCH MORTARS

School established November 26, 1917.

Senior Instructor Major J. Preston Humphris, B.M.M.

Assistant Instructor Lieut. Potter, 324th Infantry.

Length of course for each class Continuous.

Subjects taught Trench Mortars, musketry, physical training, bayonet, close order drill, map reading, bombing, gas defense.

Students 2 officers and entire enlisted personell of each Snappers and Bombers Platoon of Headquarters Companies.

Note: This instruction was continued until June 15th. Since that date the work is all being done within the regiments. Major Humphris visiting each regiment in turn as Military Adviser.

LIAISON SCHOOL FOR LINE OFFICERS.

- I. Brigade and Regimental Liaison officers and other specially selected officers attended for ten weeks the course of instruction prescribed in General orders No. 47, Hq. 51st Div., 1917, for the Division Signal and Liaison School, 51st Division. A report on the course of instruction pursued in this school was submitted April 1, 1918.
- II. The same officers -- Brigade and Regimental Liaison officers and other specially selected officers -- are now attending those sessions already prescribed in IIa and IIc of the school for commissioned officers of the Signal Corps which will terminate May 29th, 1918.
- III. All Regimental Liaison officers in the Division are preparing weekly schedules of instruction which are consentated on by their respective Brigade Liaison officer and then submitted to the Division Signal Officer for his approval.

This practical instruction under the direct supervision of the responsible officers is planned in accordance with a prepared scheme based on the expert advice of the French Liaison Officer. As was before stated, the Divisional liaison problems, or maneuvers on the ground will be attempted only when the practical work within the reg-

LIAISON SCHOOL (CONTINUED)

iments has progressed satisfactorily, and all details are carefully worked out by conferences of the liaison officers, followed by miniature liaison tests in the class room.

Enlisted personnel:

- I. The full complement of liaison agents in each Divisional organization, as authorized in tables of organization, was trained in its particular specialty in the Division Signal and Liaison School, established in General Order No. 47, before mentioned.

The instruction as given in the above school is now being continued in the practice and under the direction of the Regimental Liaison officer, but under the supervision of the Brigade Liaison officer and the Division Signal Officer. The Brigade Liaison officer acts as the representative of the latter and arranges for the distribution of apparatus, etc., etc., to his Regimental Liaison officers.

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In addition to the above schools, the Division Adjutant has conducted a school for all Brigade and Regimental Adjutants and their assistants, on Administration. This course was completed July 3rd.

The Schools have all accomplished excellent results. The instructors were, without exception, well qualified for their duties, and by utilizing these schools, each unit in the Division was supplied with sufficient trained instructors to carry on the training after the recruits joined.

Attention is invited to the fact that all of these schools strict discipline was enforced. The uniforms was prescribed for each class, and before each session a minute inspection was made of each student. Strict compliance with orders and regulations on military courtesy and military bearing was exacted, and students were reported to their Commanding Officers for disciplinary action for any delinquencies.

Alva Lee,
Major, General Staff,
Ass't to the Chief of Staff.

NOTE BY INSPECTOR:

A number of schools reported on, on page 2, Training Report, 81st Division, are not mentioned herein by name. These Schools were held, however, the majority not in this memo. being held by Regiment. The results achieved were as reported by Inspector, page 2, Training Report, 81st Division.

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