SWITZERLAND

Area ........................................ 41,000 sq. km.
Population (VI. 1931) .................. 4,081,000
Density per sq. km. .................. 99.5
Length of railway system (XII. 1931) .......... 5,321 km.

MAIN CHARACTERISTICS OF THE ARMY.

The Swiss Army is a militia army. The recruits, numbering some 25,000, who come up each year to do their military service, remain with the colours (period of first training) only from 65 to 92 days. Thus, there are in Switzerland no forces permanently with the colours except a corps of about 300 instructors. After completing their service with the colours, recruits keep their personal arms and equipment in their own possession so long as they are liable for military service.

Each year, about 150,000 men who have done their service with the colours come up for repetition training courses which usually last thirteen days.

The Swiss Army is a federal army. The Federal Council is the supreme head of the military administration, and acts through the Military Department, of which the chief is a Federal Councillor. The cantonal military administration is under the supervision of the federal authorities. In peace time, the Military Department assumes command of the army. As soon as a levy of troops is ordered or arranged for, the Federal Assembly appoints a Commander-in-Chief of the army.

The Swiss Army consists of three classes: the first line (Elite), the Landwehr and the Landsturm. The first line is composed of men from the ages of 20 to 32 inclusive, the Landwehr of men from 33 to 40 inclusive, and the Landsturm of men from 41 to 48 inclusive.

The Landsturm forms an integral part of the army. The Landsturm infantry is employed to protect the mobilisation of the field army and to guard the frontiers, lines of communication, etc. The special Landsturm troops are employed to reinforce or supplement the Landwehr and to carry out duties during mobilisation and in the territorial service.
I. Army.

ORGANS OF MILITARY COMMAND AND ADMINISTRATION.

I. FEDERAL COUNCIL.

The Federal Council is the supreme head of the military administration, and acts through the Military Department of which the Chief is a Federal Councillor.

The cantonal military authorities are in charge of cantonal military administration under the supervision of the Confederation.

The Federal Council issues executive decrees under the Organisation Law. It approves the service and training regulations, with the exception of the administrative regulations, which must be approved by the Federal Assembly.

2. FEDERAL MILITARY DEPARTMENT.

In peace time, the Military Department is the central authority for military questions. The office of the Department, acting on the orders of the head of the Department, carries out the Department’s decisions and the proposals submitted by it to the Federal Council. The secretary of the National Defence Committee is also on the staff of the Departmental Office.

The following services are under the Military Department:

(i) Departmental office;
(ii) General Staff;
(iii) Infantry, cavalry, artillery and engineer offices; medical corps; veterinary corps; central war supplies service; military technical service; intendance of war material (munitions depot at Thun; munitions stores at Interlaken; intendance of explosives; intendance of Federal arsenals), topographical service; remount department; judicial service.

The heads of services of the Military Department have the following general duties:

(a) To report and make proposals on such matters coming within the scope of their duties as require to be notified to the Department;
(b) To prepare regulations, orders and draft bills;
(c) To prepare the annual budget for their respective services and the report on their financial administration.

3. GENERAL STAFF.

The General Staff has the following duties:

(a) Preparation of mobilisation and concentration of the army in the event of war, and general preparation for war;
(b) Reports and proposals on all questions concerning national
defence, the army as a whole and the Army Staff;
(c) Preliminary opinions on proposals regarding the training of the
higher units and of the higher command staffs;
(d) Organisation and management of schools and courses for
officers of the General Staff and staff clerks;
(e) Keeping the General Staff Branch up to strength;
(f) Organisation of railways for war; organisation of lines of
communication and home service, field post and telegraph services;
training of officers and other ranks of these auxiliary services;
(g) Information on the Swiss army and foreign armies, statistics and
military geography of Switzerland and neighbouring States;
(h) Administration of the military library and collections of army
maps;
(i) Preliminary opinions and proposals regarding the preparation of
military maps.

The duties of the heads of infantry, cavalry, artillery, and engineer corps
are as follows:

(a) Study of questions connected with their respective arms;
(b) Administration of units and staffs formed by the Confederation
and of auxiliary services;
(c) Supervision of training in their respective arms; general organi-
isation and, as far as possible, management of schools and training
courses;
(d) Replies to applications for exemption from service, in so far as
they are outside the sphere of the cantons;
(e) Programme of work for training staff;
(f) Examination and communication of matters affecting officers
(appointment, promotion, posting to units, discharge, etc.).

4. COMMITTEES.

There exist the following Committees: commission for national
defence; commissions for fortifications, for railways, artillery and
pensions.

The National Defence Committee is composed of Army Corps Com-
mmanders, of the Chief of the General Staff Branch and of the Officer
Commanding Infantry.

The Committee, the Chairman of which is the head of the Military
Department, deals with important questions affecting national
defence (concentration, army organisation, mobilisation).

The Committee ceases to function as soon as a Commander-in-
Chief of the army is appointed.

5. COMMANDER-IN-CHIEF.

As soon as a levy of troops on a large scale is ordered or arranged
for, the Federal Assembly appoints a Commander-in-Chief of the
army. The Federal Council informs the Commander-in-Chief of the
object of the mobilisation and appoints a Chief of the General Staff,
after having first consulted the Commander-in-Chief.
Pending the appointment of the Commander-in-Chief, the Military Department assumes command of the army.

6. **Army Staff.**

The Army Staff is attached to the Commander-in-Chief.

In peace time, the General Staff acts as the Army Staff.

The Chief of the General Staff is head of the Army Staff and is directly under the Commander-in-Chief.

In addition to his own office, the Material and Technical Affairs Section and the General Staff Office, the Chief of the General Staff has under his direct orders the three following groups: the General Staff, the Army Administration Department and the Arms Service.

The General Staff comprises the front group (operations section, intelligence section, signalling section, anti-gas and anti-aircraft section), transport group (railway section, motor-transport section, chief of the lines of communications service, director of the field station), rear group.

The Army Administration Department comprises personnel section, military police section, military justice section, social welfare section and headquarters section.

The Arms Service comprises the infantry, cavalry, artillery, engineer services, air force, medical corps, supply corps, motor transport corps and veterinary corps.

7. **Territorial Service.**

The territorial service is responsible for the military administration of the country and must take into account the requirements of the population and of the army. It is controlled by the Military Department. The territorial service prepares supplies for the army, for which purpose it may apply to the cantonal military authorities, the Federal Remount Department, the technical service of its workshops for the manufacture of ammunition, explosives and material, the Central War Supplies Service for food and forage, and the Topographical Service. On mobilisation, private industry, commerce and trades are organised in such a way as to meet the needs of the services and establishments of the Military Department as regards food and forage and war material of every kind, in accordance with measures promulgated in peace time.

**Territorial Military Areas.**

The territory of the Confederation is divided into six divisional districts, in which the infantry and other units of the first-line army are recruited.

<table>
<thead>
<tr>
<th>Divisional district</th>
<th>Canton</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Vaud, Valais (French-speaking districts), Geneva</td>
<td>...</td>
<td>9 battalions of fusiliers; 5 battalions of mountain infantry; 1 battalion of mountain carabiniers</td>
</tr>
</tbody>
</table>
Divisonal 

district  

Canton  

Units  

II. Berne (new part of the canton), Fribourg, Soleure, Neuchâtela 15 battalions of fusiliers; 1 battalion and 3 companies of carabineers.  

III. Berne (old part of the canton), Valais (German-speaking districts) 12 battalions of fusiliers; 5 battalions of mountain infantry; 1 battalion of mountain carabineers; 1 battalion of carabineers.  

IV. Lucerne, Obwald, Nidwald, Basle-urban, Basle-rural, Aargau 6 battalions of mountain infantry; 12 battalions of fusiliers; 2 battalions of carabineers.  

V. Zurich, Uri, Schwyz, Zug, Schaffhausen and Ticino 12 battalions of fusiliers; 7 battalions of mountain infantry; 2 battalions of mountain carabineers.  

VI. Glarus, Appenzell (Outer and Inner Rhodes), St. Gall, Grisons and Thurgau 11 battalions of fusiliers; 5 battalions of mountain infantry; 1 battalion of mountain carabineers; 1 battalion of carabineers.  

For the purpose of organising the territorial services in time of war, the territory of the Confederation is divided into nine territorial areas.

<table>
<thead>
<tr>
<th>Territorial area</th>
<th>Canton</th>
<th>Headquarters</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Vaud, Geneva, Valais (French-speaking districts)</td>
<td>Lausanne</td>
<td></td>
</tr>
<tr>
<td>2. Neuchâtel, Fribourg, Soleure, Bernese Jura</td>
<td>Bienne</td>
<td></td>
</tr>
<tr>
<td>3. Berne (the old canton) and the Upper Valais</td>
<td>Berne</td>
<td></td>
</tr>
<tr>
<td>4. Lucerne, Obwald, Nidwald, Aargau, Basle-urban, Basle-rural</td>
<td>Aarau</td>
<td></td>
</tr>
<tr>
<td>5. Schaffhausen, Zurich, Zug, Schwyz</td>
<td>Zurich</td>
<td></td>
</tr>
<tr>
<td>6. Ticino and part of the Grisons</td>
<td>Bellinzona</td>
<td></td>
</tr>
<tr>
<td>7. Thurgau, St. Gall, Appenzell, Outer and Inner Rhodes</td>
<td>St. Gall</td>
<td></td>
</tr>
<tr>
<td>8. Glarus, Grisons (without the parts allotted to areas 6 and 9)</td>
<td>Coire</td>
<td></td>
</tr>
<tr>
<td>9. Uri and part of the cantons of the Grisons, Ticino, Valais and Berne</td>
<td>Andermatt</td>
<td></td>
</tr>
</tbody>
</table>

At the head of each territorial area, there is a territorial commandant. The latter is under the commander of the army. His chief duties are to call up the Landsturm and men of the auxiliary service, to protect the mobilisation and concentration of the army, to ensure the military protection of regions situated outside the zone occupied by the field army and the evacuation of territory, to requisition material of all kinds. The territorial commandant controls the Landsturm and the auxiliary services of his area in so far as they are not under the field army. The first line (Elite) or Landwehr troops and the frontier guards may also be placed under his orders. In peace time, the territorial commandant makes the necessary preparations for the work which he will be called upon to undertake in the event of mobilisation, in accordance with the instructions of the Staff Branch.
Divisional boundaries.

Divisional headquarters.

Note.—The divisional headquarters at Fribourg have been transferred to Bienne.
COMPOSITION OF THE ARMY.

1. Higher Units.

6 infantry divisions.
3 cavalry brigades.

Each infantry division consists of 3 infantry brigades, including 1 mountain brigade, and 1 brigade of artillery.
The cavalry brigades form part of the troops not on the strength of a division (army troops).

2. Arms and Services.

**Infantry.**

37 first-line infantry regiments, including 13 regiments of mountain infantry.
18 Landwehr regiments, including 6 mountain regiments.

A first-line infantry regiment consists of 3 battalions, with the exception of 1 regiment which has only 2 battalions. In all, there are 110 battalions, including 39 mountain battalions.
A Landwehr regiment consists of 2 battalions.
The infantry also includes 18 first-line machine-gun companies with field carriages and 6 similar Landwehr companies.

An infantry battalion has usually 3 rifle companies and 1 machine-gun company (with 9 guns). Each company consists of 4 rifle field sections or 3 machine-gun field sections. A rifle field section comprises 3 groups of riflemen, each of 9 men and 2 groups of machine gunners, each of 8 men with 1 automatic rifle. A machine-gun field section has 3 guns.

A mountain infantry battalion consists of from 3 to 5 rifle companies and 1 machine-gun company (with 12 guns).

Each infantry regiment has in all 180 horse-drawn vehicles (mountain infantry: 162), 72 automatic rifles, 27 machine-guns (mountain infantry: 36).

**Cavalry.**

6 divisional groups of dragoons (12 squadrons).
6 regiments of dragoons.

Each regiment of dragoons consists of 3 squadrons of dragoons and 1 machine-gun squadron.

Each regiment of dragoons has 26 horse-drawn vehicles and 3 motor vehicles, 12 automatic rifles and 6 machine-guns.

Each divisional group of dragoons has 11 horse-drawn vehicles, 2 motor vehicles, 8 automatic rifles.
Artillery.

12 regiments of field artillery.
6 groups of field howitzers.
6 groups of mountain artillery.
6 artillery observation companies.

Each regiment of field artillery consists of 2 groups, each of 3 75-mm. batteries. Each group of field howitzers is composed of 2 12-cm. batteries. Each group of mountain artillery consists of 2 75-mm. batteries.

In addition to the divisional artillery, there are 4 regiments of artillery not on the strength of divisions (army troops). The non-divisional artillery is heavy field artillery, each regiment of which consists of a group composed of 2 batteries of 15-cm. howitzers and 2 groups each composed of 2 batteries of 12-cm. heavy guns.

Finally, the fortress service has 4 regiments of motor-drawn artillery, each with 1 group of 12-cm. guns (9 batteries in all) and 1 or 2 groups (5 in all) of motor-drawn artillery with 1 75-mm. battery and 1 battery of 12-cm. howitzers.

Each battery of field artillery has 20 horse-drawn vehicles and 4 horse-drawn 75-mm. guns.
Each battery of field howitzers has 19 horse-drawn vehicles and 4 horse-drawn 12-cm. howitzers.
Each mountain battery has 3 horse-drawn vehicles and 4 horse-drawn 75-mm. mountain guns.
Each battery of motor-drawn guns has 24 motor vehicles and 4 motor-drawn 75-mm. guns.
Each battery of motor-drawn (12-cm.) howitzers consists of 4 motor-drawn howitzers.
Each battery of motor-drawn heavy guns has 26 motor vehicles and 4 motor-drawn 12-cm. guns.

Finally, each battery of heavy field howitzers has 21 horse-drawn vehicles and 4 horse-drawn 15-cm. howitzers.

Each brigade of divisional artillery has, in all, 48 75-mm. guns, 8 12-cm. howitzers and 8 mountain guns, a total of 64.

Engineers.

6 battalions of sappers, each of 4 companies.
1 mines battalion.
3 bridging battalions.
1 wireless group.
16 telegraph companies.

The Landwehr also has 6 battalions of sappers, each of 3 companies, and 6 telegraph companies.
The Swiss Army includes various services:

Medical service (42 first-line companies and 6 Landwehr companies); Supply service. Train service, etc.

**Fortresses.**

Up to 1924, the fortress troops constituted a separate arm. Under the Federal Decree of December 18th, 1924, the fortress service was reorganised, and its troops no longer constitute a separate arm. The units belonging to the fortress garrisons of St. Maurice and the St. Gothard are assigned to the army corps commands for the purposes of supervising their state of training, their preparedness and their efficiency. These units are distributed among the three army corps commands.

There are, however, troops which form part of the fortress garrisons but which are not attached to an army corps command; in that case, they are under the orders of the chiefs of section of the Federal Military Department.

**Fortress Garrisons.**

**St. Maurice:**

1 regiment of mountain infantry (2 Landwehr battalions);  
1 regiment of motor-drawn artillery (two 12-cm. batteries, 1 75-mm. battery and 1 battery of 12-cm. howitzers);  
2 groups of fortress artillery (5 companies in all);  
1 sapper company and 1 telegraph company.

**St. Gothard:**

2 regiments of mountain infantry (5 Landwehr battalions);  
6 machine-gun companies;  
3 regiments of motor-drawn artillery (7 batteries of 12-cm. guns, 4 batteries of 75-mm. guns, and 4 batteries of 12-cm. howitzers);  
3 groups of fortress artillery (10 companies in all);  
1 sapper company and 5 telegraph companies.

**AIR SERVICE.**

1. **Administration.**

The military air service is responsible for training and administering the air force. Among other duties it:

(a) Studies the employment of military aviation in different tactical or strategical situations and prepares the mobilisation of the air force;
(b) Organises the position-finding and signalling service for aircraft;
(c) Publishes the flying service regulations and draws up the air force rules;
(d) Directs the flying service;
(e) Studies the technical improvement and construction of aircraft in conjunction with the military technical service; collaborates in the purchase, testing and taking over of aircraft and their accessories.

The military air service is under the Chief of the General Staff branch.

At the head of the military air service, there is a field officer who acts as chief of the service. He has under him:

(a) The corps of air force instructors;
(b) A military aerodrome director with the personnel required for directing the technical and administrative services and ensuring their operation (administration of the aerodrome and air park equipment; upkeep and repair of flying material; accounts and personnel);
(c) The secretariat and audit office.

2. A I R F O R C E.

At the present time, the air force consists of:
1 air force headquarters;
5 flying groups;
12 flying companies;
6 fighter companies;
5 sections of photographers;
1 air-park company.

Each flying group consists of:
1 group headquarters;
3 flying or fighter companies;
1 section of photographers.

Three flying companies (including 2 fighter companies) and the air park company are placed directly under the air force headquarters.

3. PILOT OFFICERS AND OBSERVERS.

Subaltern officers belonging to the air force and also, if there are vacancies, qualified officers belonging to other arms, may take the pilots’ or observers’ course.
Officers who have successfully completed the course receive a military pilot’s or observer’s certificate and wear the corresponding badge.

A distinction is made between:

- Pilots and observers on the active list who are required to undergo full training;
- Pilots and observers on the active list who are required to undergo a reduced period of training;
- Reserve pilots and observers (who are not required to undergo training).

In the three years following their appointment, pilots on the active list complete one hundred hours’ flying each year and observers on the active list not less than forty hours’ flying (full training).

After completing their full training and until they pass into the Landwehr, qualified pilots and observers are kept in training. They remain on the active list and pilots complete fifty hours’ flying and observers twenty hours’ flying during the year (reduced period of training).

The flying hours are as far as possible distributed over the ten months’ training each year.

Pilots and observers on the active list follow two training courses each year during the period of full training and one course during the period of reduced training.

Pilots and observers are transferred to the reserve when they pass into the Landwehr. The chief of the military air service may order them to be transferred before that time when special circumstances make it necessary.

The period of training and instruction courses for pilots and observers is fixed as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pilots’ courses</td>
<td>171 days</td>
</tr>
<tr>
<td>Observers’ courses</td>
<td>88 days</td>
</tr>
<tr>
<td>Training course</td>
<td>5 days</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of aeroplanes</td>
<td>125¹</td>
</tr>
<tr>
<td>Total horse-power</td>
<td>75,000²</td>
</tr>
</tbody>
</table>

¹ Including aeroplanes in commission and under construction. Not including 175 instructional aeroplanes which could not be used for war purposes.
² The total horse-power has been calculated on an average per machine.
### Summary Table of Commands and Units

<table>
<thead>
<tr>
<th></th>
<th>Divisions</th>
<th>Brigades</th>
<th>Regiments</th>
<th>Battalions</th>
<th>Squadrons</th>
<th>Batteries</th>
<th>Companies</th>
<th>Groups</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infantry:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st line</td>
<td>6</td>
<td>37</td>
<td>110</td>
<td></td>
<td>491^1</td>
<td>3^2</td>
<td>8^5</td>
<td></td>
</tr>
<tr>
<td>1st line and Landwehr</td>
<td>18^8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>176^6</td>
<td>6^7</td>
<td></td>
</tr>
<tr>
<td>Landwehr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cavalry:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st line</td>
<td>3</td>
<td>6</td>
<td>36^8</td>
<td></td>
<td>104^10</td>
<td>40^11</td>
<td>24^15</td>
<td>6^7</td>
</tr>
<tr>
<td>Landwehr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>35^12</td>
<td>44^16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Artillery:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st line</td>
<td>6</td>
<td>12</td>
<td>8^12</td>
<td></td>
<td></td>
<td>28^14</td>
<td>40^11</td>
<td></td>
</tr>
<tr>
<td>1st line and Landwehr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landwehr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineers:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st line</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>38</td>
<td>40^11</td>
<td></td>
</tr>
<tr>
<td>1st line and Landwehr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>23</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Landwehr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aviation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st line</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>18</td>
<td>19</td>
<td></td>
</tr>
<tr>
<td>1st line and Landwehr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5^11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landwehr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1^9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Train:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st line and Landwehr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medical corps:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st line</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>42</td>
<td>40^11</td>
<td></td>
</tr>
<tr>
<td>1st line and Landwehr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Landwehr 18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supply troops:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st line and Landwehr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>29</td>
<td>4^19</td>
<td></td>
</tr>
<tr>
<td>Landwehr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor transport troops:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st line and Landwehr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landwehr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>30^19</td>
<td>4^20</td>
<td></td>
</tr>
</tbody>
</table>

1. 341 companies of riflemen and carabiniers; 110 machine-gun companies; 18 cyclist companies; 18 machine-gun companies with field carriages; 4 mountain machine-gun companies.
2. Cyclists.
3. Including 6 mountain brigades.
4. 6 cyclist companies with a motor-cyclist section and 1 motor-cyclist company.
5. 6 machine-gun groups with field carriages; 2 mountain machine-gun groups.
6. 113 infantry; 37 machine-gun, 6 machine-gun with field carriages and 18 park.
7. Mountain columns.
8. Including 6 machine-gun.
9. 30 dismounted, and 6 machine-gun with field carriages.
10. 72 field; 12 field howitzer, 8 heavy field howitzer, 12 mountain.
11. 24 field; 6 field howitzer; 6 mountain artillery; 4 heavy field howitzer.
12. 4 heavy artillery, 4 motor-drawn artillery.
13. 25 heavy tractor guns; 5 tractor guns; 5 tractor howitzers.
14. 6 artillery observation companies; 15 fortress companies; 4 searchlight and 3 balloon companies.
15. 12 tractor siege guns; 5 motor-drawn artillery, 5 fortress groups, 1 searchlight and 1 balloon group.
16. Park company.
17. Companies of photographers.
18. The Landwehr medical service includes, besides the 6 companies and 6 groups, 24 ambulances, 6 field hospitals, 44 ambulance columns, 28 ambulance trains.
20. Motor transport columns for heavy artillery regiments and motor artillery regiments.
LANDSTURM.

The Landsturm forms an integral part of the army. Its organisation and rapid system of mobilisation are such that it can be employed for the multifarious duties of national defence.

The Landsturm infantry is employed to protect the mobilisation of the field army when called up for active service, to guard the frontiers, railways and railway junctions, and army establishments of every description, and to carry out work for the field army, the territorial service and the lines of communication.

The special Landsturm troops are employed to reinforce or supplement the Landwehr, and to carry out duties during mobilisation in the territorial service or on the lines of communication.

The Landsturm consists:

Of officers who serve up to the age of 52 (inclusive). They may, subject to consent on their part, be allowed to remain in the service beyond this age;

Of men of 41-48 years (inclusive) who have received military training;

Of members of the military forces who are no longer fit for first-line or Landwehr service, but can still serve in the Landsturm;

Of volunteers.

If there is danger of war or if the army is on active service, the Federal Council may extend the period of military service and hence of personal service in the Landsturm.

Officers and non-commissioned officers released from service who are still physically fit for the duties attaching to their rank, may, at their own request, be reincorporated in the Landsturm and resume their rank when the army is on active service.

Volunteers enrolled in peace time in the supervisory branches cannot be called up for service with the Landsturm or for inspections, but in the event of mobilisation for active service they must rejoin their unit (headquarters), undergo medical inspection, and take the military oath.

Once enrolled in a unit, volunteers are assimilated to men of the Landsturm in respect of duties, rights and penalties.

Soldiers and incorporated volunteers posted to units who are no longer fit for service in the Landsturm are drafted into the supplementary services or released entirely from service. Officers cannot be drafted into the supplementary services.

Men belonging to the auxiliary services, and officers and non-commissioned officers provisionally required to perform service in the Landsturm do not take part in peace-time training unless called up individually.
The *Landsturm* consists of the arms, the men being drawn generally from the *Landwehr* and in exceptional cases direct from the first-line army.

The supreme direction of all matters concerning the *Landsturm* is exercised in peace time by the General Staff. The latter publishes, along with other measures of national defence, general instructions on the employment of the *Landsturm* in case of mobilisation and makes the necessary preparations and supervises the execution thereof.

On mobilisation for active service, the direction of all matters concerning the *Landsturm* is transferred to the headquarters staff.

For administrative purposes, the *Landsturm* troops, in principle, come under the cantonal military authorities.

The branches of the Federal Military Department (General Staff Branch for the *Landsturm* infantry and companies or detachments of dragoons, train and convoy) also exercise, as regards the *Landsturm*, the powers laid down by the law concerning military organisation, except in so far as these powers belong to the cantons.

**Units, Detachments, Corps and Headquarters in the Landsturm.**

1. **Infantry.**

   208 infantry companies.  
   70 infantry battalions.  
   60 machine-gun companies.  
   2 mountain machine-gun detachments.  
   7 motor-cyclist detachments.  

   Sector or group commanders as required.

2. **Cavalry.**

   15 companies of dragoons.

3. **Artillery.**

   24 field artillery park companies.  
   6 field howitzer park companies.  
   5 mountain artillery park companies.  
   5 mountain artillery convoys.  
   6 artillery observation detachments.  
   8 heavy field howitzer park companies.  
   25 heavy motor-drawn gun detachments.  
   5 motor-drawn gun detachments.  
   5 motor-drawn howitzer detachments.  
   15 fortress artillery detachments.  
   2 searchlight detachments.  
   2 mountain searchlight detachments.  
   3 balloon detachments.
4. **Engineers.**
   - 18 detachments of sappers.
   - 2 detachments of mountain sappers.
   - 8 bridging detachments.
   - 4 telegraph detachments.
   - 4 mountain telegraph detachments.
   - 3 radiotelegraph detachments.
   - 1 radiotelegraphy repair section.
   - 4 detachments of miners.

5. **Aviation Troops.**
   - 5 detachments of photographers.
   - 5 aviation park companies.

6. **Medical Troops.**
   - 6 medical detachments.
   - 6 field hospital detachments.
   - 6 medical transport group detachments.
   - 28 ambulance train detachments.

7. **Veterinary Troops.**
   - No units.

8. **Supply Troops.**
   - 8 supply detachments.
   - 9 detachments of bakers.

9. **Motor Transport Troops.**
   - 30 motor lorry columns.
   - 3 military motor park detachments.
   - 6 mobile motor park detachments.
   - 4 motor repair workshops detachments.

10. **Train Troops.**
    - 12 train companies and 15 train detachments.
    - 18 convoy companies and 12 convoy detachments.

---

**MILITARY GENDARMERIE AND POLICE.**

*Gendarmerie.*—The military gendarmerie carries out police duties of all kinds among the troops; in the discharge of these duties, it is altogether free from all cantonal laws.
The military gendarmerie is under the Commander-in-Chief of the Army, who posts officers, N.C.O.s and gendarmes to the various headquarters and units, in accordance with the recommendations of the Commandant of the Military Gendarmerie.

The Commandant of the Military Gendarmerie receives his orders either from the Administrative Department or from the Deputy Chief of the General Army Staff direct.

The officers of the military gendarmerie are recruited from the officers of the army. Officers of the police forces of the cantons or towns may also be appointed officers of the military gendarmerie by the Military Department on the recommendation of the Army Command.

N.C.O.s, acting N.C.O.s and gendarmes are recruited:

(a) From the police forces of the cantons and communes;

(b) From volunteers of the various arms, by decision of the Head of the Administrative Department and on the recommendation of the Commandant of the Military Gendarmerie.

**Communal and Municipal Police.**—The approximate strength of the police is 1,200 men. The armament of the police varies according to towns.

**Cantonal Police Forces.**—The approximate strength of the Cantonal police forces is 2,550 officers and policemen, generally armed with carbines and revolvers.

**Frontier Guards.**—The approximate strength of the frontier guards is 1,800 officers and guards, armed with revolvers and carbines.

**State Police.**—There is no State police.

The recruiting of policemen is voluntary for a period which varies according to cantons.

The frontier guards receive a training in the schools for recruits (duration: 3 months); the training is given by the officers and N.C.O.s of the corps. Recruiting is voluntary; the duration of contracts is 3 years.

**RECRUITING SYSTEM AND PERIOD OF SERVICE.**

**I. MILITARY OBLIGATIONS.**

All male Swiss citizens are liable for military service.

Liability for service includes:

- **Personal service**—i.e., military service in the strict sense of the term; or
- **Payment of an exemption fee** (military tax).

Swiss citizens are liable for military service from the beginning of the year in which they reach the age of 20 until the end of the year in which they reach the age of 48.
Young men who are fit for service may be allowed to enter the army before the legal age; they must, however, fulfil all the obligations of their class.

Men who do not perform service personally must pay the military tax until the end of the year in which they reach the age of 40. There is a special law on the military tax.

2. Enlistment.

Men are enlisted in the year in which they attain the age of 19. The enlistment of men liable for military service is carried out by the Federal Government with the co-operation of the cantonal authorities. Recruiting Committees are organised by the Federal Council, which also determines the procedure to be followed.

On being enlisted, men are placed in one of three categories: (1) fit for service; (2) fit for auxiliary service; (3) unfit for service. The decision as to fitness for service may be postponed for a period not exceeding four years.

Each man is posted to one of the various arms upon enlistment. He comes up for enlistment at either his place of domicile or his birthplace.


Men fit for military service have to do personal service, which includes:

(a) Training;

(b) Active service, i.e. the defence of the independence of the country from foreign incursion and the maintenance of public order and security.

Personal service also includes observance of the regulations regarding the supervision, maintenance and inspection of personal clothing, arms and equipment; compulsory firing exercises and, in general, obedience to Military Regulations when off duty.

The following are exempted from personal service during their period of official duty or employment:

(1) Members of the Federal Council and the Chancellor of the Confederation.

(2) Ministers of religion not enrolled as chaplains.

(3) The chief surgeons, permanent administrative officials and male nurses of public hospitals.

(4) Governors and warders of penitentiaries and prisons, and members of the regular police forces.

(5) The personnel of the Frontier Guard Force, which the Federal Council, in the event of mobilisation, may, however, detail for national defence.
(6) Officials and employees who, in the event of war, are indispensable for transport undertakings of public interest or for military administration. A decree of the Federal Council enumerates the transport undertakings of public interest and the personnel indispensable for them in the event of war.

The personnel of the police and frontier guard forces and also certain officials and employees are only exempted from service after undergoing a recruits' course.

The members of the Federal Assembly are exempted from training during the sessions.

4. PERIOD OF LIABILITY FOR MILITARY SERVICE.

<table>
<thead>
<tr>
<th>Subaltern officers, N.C.O.s and men</th>
<th>First line</th>
<th>Landwehr</th>
<th>Landsturm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>from 20 to 32 years of age (inclusive)</td>
<td>from 33 to 40</td>
<td>from 41 to 48 subaltern officers to 52</td>
</tr>
<tr>
<td>Cavalry N.C.O.s and troopers</td>
<td>20 to 29</td>
<td>30 to 40</td>
<td>to 52</td>
</tr>
<tr>
<td>Captains</td>
<td>to 38 to 44</td>
<td>to 52</td>
<td></td>
</tr>
<tr>
<td>Field officers</td>
<td>to 48</td>
<td></td>
<td>to 52</td>
</tr>
</tbody>
</table>

With their consent, officers may be kept in the service beyond these age-limits.

5. AUXILIARY SERVICES.

Men who are passed fit for auxiliary service are drafted into such service on enlistment.

Men passed for auxiliary service do not undergo military training. They pay the military tax for the years in which they do not perform service.

6. PERSONAL ARMS AND EQUIPMENT.

Private soldiers receive their personal arms and equipment free of charge.

As a rule, soldiers retain possession of their personal arms and equipment for the whole of their period of service. They have to keep them in good condition and are responsible for any loss or damage due to their own negligence.

A man's arms and equipment become his personal property when he has completed his period of personal service and has been discharged from the army.

Personal arms and equipment are the property of the Federal Government, and soldiers may not dispose of them. Arms, etc., cannot be seized or confiscated.
Men unable to take proper care of them or proved guilty of neglect, or discharged from service before completion of the regular period, forfeit their personal arms and equipment.

Officers must buy their own uniforms, the purchase price being refunded to them in accordance with a scale drawn up by the Federal Council.

The Federal Government provides them with personal equipment and arms free of charge and, in the case of cavalry officers, with saddlery.

The Federal Government supplies bicycles and accessories, on payment of half the purchase price, to cyclists in the active army.

Personal arms and equipment are inspected every year.

Horses.

Officers, N.C.O.s and troopers in the first-line cavalry must at all times possess a horse fit for service.

The Federal Government will on application provide remounts for active cavalry officers on the same terms as for troopers. Cavalry remounts are either purchased by the Federal Government or supplied by the man himself.

On receiving the horse, the man pays the Federal Government half its estimated value.

The horse remains in the man's possession during his period of service in the first line. When not on service, he must feed and take care of the horse at his own expense, but may use it for any purpose which does not impair its military value.

When called up, he must bring his horse with him.

He is liable for the loss of his horse and for any damage due to his negligence.

If he fails to take proper care of, or if he is in a position which does not enable him to keep, the horse, he must return it, and will then be transferred to another arm or discharged from personal service.

Cavalry horses are the property of the Federal Government.

If a man completes the whole of his ten-years' service with the same horse, it becomes his property.

The stabling, maintenance, feeding and use of cavalry horses when not on service are subject to inspection by cavalry officers.

Officers of other arms provide their own chargers.

Other horses and mules required for purposes of training in the military schools and courses are supplied by the Military Administration.

ARMS TRAINING.

I. PREPARATORY TRAINING.

General.

The cantons provide for the gymnastic training of boys at school.

The instructors are masters who have been specially trained in the training colleges and have taken the courses instituted by the Federal Government for gymnastic instructors.

The Federal Government encourages associations for the promotion of the physical development of young men after leaving school and for their preparation for military service, and is in general favourable to all action taken with this object in view.

Recruits undergo physical examination upon enlistment.
The Federal Government issues regulations for preliminary physical training and organises instructors' courses.

The Federal Government also subsidises associations founded for imparting preparatory military training to boys under military age and, in general, makes grants for any action taken for this purpose.

The Federal Government lays down that firing exercises should be the principal subject in such training, and supplies arms, ammunition and equipment free of charge. The necessary regulations are drawn up by the Federal Council.

### Number of Pupils (Budgetary Effectives).

<table>
<thead>
<tr>
<th></th>
<th>1926</th>
<th>1927</th>
<th>1928</th>
<th>1929</th>
<th>1930</th>
<th>1931</th>
<th>1932</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gymnastic training</td>
<td>24,000</td>
<td>24,000</td>
<td>24,000</td>
<td>26,000</td>
<td>26,000</td>
<td>26,000</td>
<td>26,000</td>
</tr>
<tr>
<td>Training with arms</td>
<td>8,000</td>
<td>8,000</td>
<td>8,000</td>
<td>7,000</td>
<td>8,000</td>
<td>9,300</td>
<td>9,300</td>
</tr>
<tr>
<td>Junior musketry training</td>
<td>13,000</td>
<td>13,000</td>
<td>13,000</td>
<td>11,000</td>
<td>11,000</td>
<td>17,200</td>
<td>17,200</td>
</tr>
<tr>
<td>Cadet corps</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
<td>2,900</td>
<td>2,900</td>
<td>2,800</td>
<td>2,800</td>
</tr>
</tbody>
</table>

### 2. Corps of Instructors.

(a) **General.**

A corps of instructors has been formed to superintend the training of recruits and to train cadres in the special schools.

The number of instructors in each arm is fixed by the Federal Assembly.

The corps of instructors in each arm is under the head of the corresponding branch in the Military Department.

The training of recruits and infantry cadres in each divisional area is under the direction of an area instructor.

The training of units of all sizes and the supervision of repetition training courses are carried out by the officers of the unit concerned.

(b) **Training of Recruits.**

Recruits receive their first military training at recruits' courses. These courses are intended for the training of the rank and file, and they also provide practical training for the cadres. The first training lasts sixty-five days for the infantry and engineers, ninety days for the cavalry, seventy-five days for the artillery, air force and motor-transport troops, and sixty days for troops of the medical service, veterinary service, etc.

(c) **Repetition Training Courses.**

Men in the first line are called up each year for repetition training courses.

However, privates, lance-corporals and corporals take part in only seven repetition courses (eight in the cavalry); N.C.O.s ranking as sergeants or higher undergo only ten trainings.
The repetition courses last thirteen days for all arms except the artillery and air force troops (sixteen days).

Men in the Landwehr of all arms, except cavalry, are called up every four years for thirteen days' repetition training.

However, privates, lance-corporals and corporals attend only one repetition course in the Landwehr.

Men in the Landsturm do not take part in peace-time training unless called up individually.

3. **TOTAL MAXIMUM DURATION OF SERVICE.**

(Total number of days.)

<table>
<thead>
<tr>
<th>LAND ARMED FORCES</th>
<th>Men</th>
<th>N.C.O.s</th>
<th>Officers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infantry...........</td>
<td>171</td>
<td>260–401</td>
<td>342–754</td>
</tr>
<tr>
<td>Cavalry............</td>
<td>196</td>
<td>325–430</td>
<td>436–925</td>
</tr>
<tr>
<td>Artillery..........</td>
<td>205</td>
<td>319–455</td>
<td>458–969</td>
</tr>
<tr>
<td>Engineers..........</td>
<td>171</td>
<td>275–394</td>
<td>434–881</td>
</tr>
<tr>
<td>Medical corps.....</td>
<td>166</td>
<td>280–394</td>
<td>352–733</td>
</tr>
<tr>
<td>Veterinary service</td>
<td>258</td>
<td>306</td>
<td>318–729</td>
</tr>
<tr>
<td>Administration service</td>
<td>166</td>
<td>250–364</td>
<td>338–706</td>
</tr>
<tr>
<td>Train service......</td>
<td>166</td>
<td>250–364</td>
<td>338–699</td>
</tr>
<tr>
<td>Motor-transport service</td>
<td>205</td>
<td>319–455</td>
<td>317–754</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AIR ARMED FORCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aviation troops</td>
</tr>
</tbody>
</table>

The statutory period of service for the cadres varies according to rank.

Compulsory service in the Landwehr is included in these figures. The Landsturm do no service in peace time.

4. **MUSKETRY COURSES OUTSIDE THE ARMY.**

Participation in the regulation courses organised by a rifle club is a military duty which has to be performed by privates, lance-corporals, N.C.O.s and subaltern officers of the first line (Elite) and Landwehr troops who are armed with rifles or carbines. The compulsory course must be carried out each year. Men who fail to perform or to complete the regulation course organised by a club are called up for a special musketry course lasting three days without pay. The statutes of rifle clubs must be approved by the cantonal military authorities. The Confederation grants annual cash subsidies to these clubs and supplies a certain number of cartridges free of charge to the active members.

The Confederation makes a grant to legally recognised rifle clubs which train young men of Swiss nationality to shoot; the shooting instructors are trained at the cost of the Confederation.
5. Cadres.

I. Ranks.

The various ranks are as follows:

(a) Lance-corporal;
(b) Non-commissioned officers (corporal, sergeant, quarter-master-sergeant, sergeant-major, regimental sergeant-major (warrant officer));
(c) Subaltern officers: lieutenant, first lieutenant;
(d) Captain;
(e) Field officers: major, lieut.-colonel, colonel, colonel commanding a division; colonel commanding an army corps; general.

Every soldier may be required to accept a rank, and to carry out the duties and take over the command attached to such rank.

An officer or N.C.O. keeps his rank even after he has relinquished his command.

II. Non-Commissioned Officers (Promotion).

Lance-Corporal. Privates holding a certificate of efficiency obtained during a refresher training may be appointed to lance rank.

Non-Commissioned Officers:

Corporals. Privates and lance-corporals nominated for appointment as N.C.O.s pass through a N.C.O.s' course. The training lasts twenty days in the infantry, medical corps, supply corps and train, and thirty-five days in the cavalry, artillery, engineers, air force and motor-transport corps.

The men sent for the N.C.O.s' course are selected by their superior officers.

Upon appointment, corporals pass through a recruits' course in the rank of corporal.

N.C.O.s selected for an officers' course are exempted from this obligation.

Sergeants and Staff-Sergeants.—Conditions governing promotion:

Sergeant. Promotions are made from among corporals who have passed through a recruits' course with corporal's rank and have performed at least two repetition trainings; they must also have obtained a certificate of proficiency during their last period of training.

Quartermaster-Sergeant. Promotions are made from among corporals who have undergone repetition training as corporals and have passed through a quartermaster-sergeants' course (lasting thirty days); they must also have obtained a certificate of proficiency during the latter course. Upon appointment, quartermaster-sergeants must pass through a recruits' course in the rank of quartermaster-sergeant.

Sergeant-Major. Promotions are made from among sergeants or quartermaster-sergeants who have undergone at least one refresher training in that rank and have passed through a recruits' course in the rank of acting sergeant-major. They must also have obtained a certificate of proficiency during either the latter course or a repetition training.

Regimental Sergeant-Major. Promotions are made from among sergeant-majors who have carried out at least one repetition training in that rank and must have obtained a certificate of proficiency during the training.
Staff Clerks. Promotions are made from among N.C.O.s who have passed through a recruits' course with N.C.O.s' rank and undergone one repetition trainings. They must also have passed through a thirty-days' staff clerks' course and have obtained a certificate of proficiency in the course.

III. Officers.

(a) Training.—Schools.

Cadet officers are trained at officers' schools. The periods of training are as follows:

1. Infantry and cavalry, eighty days;
2. Artillery, engineers and air force, 105 days;
3. Train and motor-transport corps, sixty days;
4. Medical, supply and veterinary corps, forty-five days.

Training for artillery and engineer officers may be divided into two parts. Men selected for an officers' training course must hold the rank of non-commissioned officers.

Upon appointment, lieutenants pass through a recruits' course in the rank of lieutenant.

Regimental officers appointed as quartermasters receive a technical training course lasting twenty days.

Upon appointment, quartermasters pass through half a recruits' course in the rank of quartermaster.

Officers nominated for promotion pass through the following schools:

1. Subaltern officers of the infantry, cavalry, artillery and engineers who are nominated for promotion to rank of captain, Central School No. 1, lasting thirty days;
2. First lieutenant in the infantry, cavalry, artillery, engineers, supply corps, and train, a recruits' course in the command of a unit (company, squadron, etc.);
3. Captains, Central School No. 2, lasting fifty days. The instruction given at this school may be divided into two parts.

Before passing the courses referred to by the law, officers must have obtained at an earlier special course or training course a certificate qualifying them for promotion.

General Staff.—The following special courses are provided for the training of the General Staff:

1. Staff course No. I, seventy days, for officers intending to join the General Staff; this course is divided into two parts;
2. Staff course No. II, forty-two days, for captains;
3. Staff course No. III, twenty-one days, for officers who have passed through courses Nos. I and II.

Regimental officers may be seconded for these courses.

A certain number of officers on the General Staff are called up in turn every year for General Staff work. Regimental officers may also be detailed for this duty.

Officers of the General Staff who are attached to the headquarters of units, etc., train with the latter. Other officers of the General Staff may also be
detailed for such training and must in addition undergo special courses and regular training in the individual arms.

Railway officers take a twenty-days training course, after which they are called up as required for duty with the General Staff or for special courses.

Staff Courses.  Staff officers are called up every other year for eleven days' tactical training. This training is directed alternately by the army corps commander and the divisional commanders.

The staff officers taking part in these courses are nominated by the Military Department.

Strategical exercises are carried out every other year for eleven days and are under the command of an officer of senior rank appointed by the Military Department. The Army corps and divisional commanders, their chiefs of staff, the commandants of fortresses and other officers selected by the Military Department also take part in these manoeuvres.

Engineer officers at the disposal of the engineers' corps are called up in turn for duties with that corps.

(b) Promotion.

Cadet Officers. Only N.C.O.s may be selected to pass through an officers' course.

Officers. General Regulations. Every officer must have held his rank for at least four years before he can be promoted.

In the case of lieutenants and first lieutenants of the medical and veterinary corps, the minimum period is two years.

Conditions for each rank :

For promotion to first lieutenant an officer must :

(1) Have passed through a recruits' course in the rank of lieutenant;
(2) Have completed four refresher trainings in the rank of lieutenant; he may substitute service in another branch for one of the above trainings or a second recruits' course for two.

For promotion to captain, an officer must have :

(1) Served as a lieutenant or first lieutenant in Central School No. I;
(2) Completed four repetition trainings in the rank of first lieutenant; he may substitute service in another branch for one, or a second recruits' course for two, of the above trainings.
(3) Passed through a recruits' course in command of a unit (company, squadron, etc.).
    Cavalry and artillery first lieutenants selected to pass through a recruits' course as unit commanders must first attend a N.C.O.s’ course.
(4) Infantry officers must have completed a musketry course in the rank of lieutenant or first lieutenant.

For promotion to major an officer must :

(1) Have completed four repetition trainings in the rank of captain and as a unit commander in at least three of these trainings; he may substitute service in another branch for one of the above trainings;
(2) Have passed through Central School No. II;
(3) If in the infantry, artillery, engineers, motor-transport corps, supply corps or train, have completed the last third of a recruits' course in the command of a battalion or group; in the artillery he must also have completed Musketry Course No. 2.
For promotion to lieutenant-colonel:
An officer must have completed four repetition trainings in the rank of major; service in another branch may be substituted for two trainings.

For promotion to colonel:
An officer must have completed four repetition trainings as lieutenant-colonel; service in another branch may be substituted for two trainings.

(c) General Staff Officers.

Captains.
In order to join the General Staff, officers must be captains and have passed through Staff Course No. I.

Other Rank.
Promotion to other rank is by selection.
For promotion to staff major, candidates must have passed through Staff Course No. II, and for promotion to staff lieutenant-colonel, through Staff Course No. III.

Promotion to colonel commanding a division and colonel commanding an army corps.

Colonel commanding a Division.
Officers must have commanded an infantry brigade during three repetition trainings, or have served as colonel on the staff or in the cavalry, artillery or engineers during either one or two repetition trainings; they must also have commanded an infantry brigade, or a mixed corps equivalent to an infantry brigade, during either one or two repetition trainings.

Colonel commanding an Army Corps.
Officers must have commanded a division during one repetition training.

EFFECTIVES.

I. AVERAGE DAILY NUMBER OF EFFECTIVES REACHED DURING THE YEAR 1930.

<table>
<thead>
<tr>
<th>Total effectives</th>
<th>Land armed forces</th>
<th>Air armed forces</th>
</tr>
</thead>
<tbody>
<tr>
<td>Officers</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 These figures include the complete effectives of the schools of recruits—i.e., of men undergoing their first training—namely, 5,995 (223 officers) for the land army. The figures for trained men alone are: 6,072 for total effectives and 388 for officers. The difference between the totals (12,290 and 12,067; 662 and 611) is due to the fact that instructors and fortress guards, some of whom have not served in units, are reckoned in the table above. For the air forces, the effectives include the schools of recruits (128) and repetition courses (128). The difference between the totals (258 and 256) is due to the fact that 2 officers included in the table above have not served with the units.
These figures were arrived at by multiplying the number of officers and men who have performed service during the year by the number of their individual days of service and dividing the result by 365.

This is a purely mathematical figure which does not represent the average number of men permanently with the colours. In Switzerland, for months at a time (November to January), there are no troops with the colours. From February to August, there are only schools of recruits. Most of the trained men perform their service (repetition courses) in autumn. It would therefore be a mistake to attach to the figures given the same meaning as they would have in a standing army. Only instructor officers and N.C.O.s and fortress guards are in permanent service. Their strength in 1930 was 205 instructor officers, 57 N.C.O.s and 201 guards of the land army and 11 officers and 3 N.C.O.s of the air force. They are included in the figures of this table.

During the last three years, the average numbers entering the schools and courses have been 7,540 officers and 163,253 N.C.O.s and men of the land army and 3,290 officers, N.C.O.s and men (1930) of the air force.

Most of the cadres and men on service only undergo a repetition course of thirteen days.

2. Budgetary Effectives.

(1932.)

Note.—The figures in the following tables differ in character from the figures in the preceding table. These two kinds of returns are not comparable with each other.

I. Training Staff.

<table>
<thead>
<tr>
<th></th>
<th>1932</th>
<th>1932</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infantry</td>
<td>138</td>
<td></td>
</tr>
<tr>
<td>Air force</td>
<td>138</td>
<td></td>
</tr>
<tr>
<td>Cavalry</td>
<td>19</td>
<td>18</td>
</tr>
<tr>
<td>Medical service</td>
<td>68</td>
<td>6</td>
</tr>
<tr>
<td>Artillery</td>
<td>22</td>
<td>6</td>
</tr>
<tr>
<td>Automobile service</td>
<td>22</td>
<td>6</td>
</tr>
<tr>
<td>Total</td>
<td>296</td>
<td></td>
</tr>
</tbody>
</table>

2. Training of Cadres.

Officers and Men.

<table>
<thead>
<tr>
<th></th>
<th>Number 1932</th>
<th>1932</th>
<th>Parade days 1932</th>
<th>1932</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Staff</td>
<td>250</td>
<td></td>
<td>4,582</td>
<td></td>
</tr>
<tr>
<td>Infantry</td>
<td>3,716</td>
<td></td>
<td>105,422</td>
<td></td>
</tr>
<tr>
<td>Cavalry</td>
<td>249</td>
<td></td>
<td>9,291</td>
<td></td>
</tr>
<tr>
<td>Artillery</td>
<td>1,413</td>
<td></td>
<td>51,453</td>
<td></td>
</tr>
<tr>
<td>Engineers</td>
<td>382</td>
<td></td>
<td>15,177</td>
<td></td>
</tr>
<tr>
<td>Air force 1</td>
<td>126</td>
<td></td>
<td>8,860</td>
<td></td>
</tr>
<tr>
<td>Miscellaneous services</td>
<td>2,163</td>
<td></td>
<td>59,837</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>8,299</td>
<td></td>
<td>254,622</td>
<td></td>
</tr>
</tbody>
</table>

1 Excluding pilots and observers engaged monthly and reserve pilots.

<table>
<thead>
<tr>
<th>Training of cadres</th>
<th>Recruits’ training course</th>
<th>Refresher training</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
<td>Number</td>
<td>Number</td>
</tr>
<tr>
<td>1932</td>
<td>1932</td>
<td>1932</td>
</tr>
<tr>
<td>Infantry (67 days)</td>
<td>14,220</td>
<td>952,740</td>
</tr>
<tr>
<td>Cavalry (92 days)</td>
<td>700</td>
<td>64,400</td>
</tr>
<tr>
<td>Artillery (42 to 77 days)</td>
<td>4,300</td>
<td>307,600</td>
</tr>
<tr>
<td>Engineers (67 days; recruits for train, 62)</td>
<td>1,395</td>
<td>52,885</td>
</tr>
<tr>
<td>Air force (77 days)</td>
<td>270</td>
<td>20,790</td>
</tr>
<tr>
<td>Medical corps (62 days)</td>
<td>1,215</td>
<td>75,330</td>
</tr>
<tr>
<td>Supply corps (62 days)</td>
<td>550</td>
<td>34,100</td>
</tr>
<tr>
<td>Automobile service (77 days)</td>
<td>420</td>
<td>32,340</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>23,070</strong></td>
<td><strong>1,540,185</strong></td>
</tr>
</tbody>
</table>

4. Refresher Training.

<table>
<thead>
<tr>
<th>Training of cadres</th>
<th>Recruits’ training course</th>
<th>Refresher training</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
<td>Number</td>
<td>Number</td>
</tr>
<tr>
<td>1932</td>
<td>1932</td>
<td>1932</td>
</tr>
<tr>
<td>Infantry (13 days)</td>
<td>97,103</td>
<td>1,262,339</td>
</tr>
<tr>
<td>Cavalry (13 days)</td>
<td>6,300</td>
<td>81,900</td>
</tr>
<tr>
<td>Artillery (16 days)</td>
<td>26,658</td>
<td>250,220</td>
</tr>
<tr>
<td>Engineers (13 and 16 days)</td>
<td>11,770</td>
<td>153,010</td>
</tr>
<tr>
<td>Air force (16 days)</td>
<td>2,787</td>
<td>44,592</td>
</tr>
<tr>
<td>Medical corps (13 days)</td>
<td>4,416</td>
<td>56,848</td>
</tr>
<tr>
<td>Supply corps (13 days)</td>
<td>4,279</td>
<td>55,627</td>
</tr>
<tr>
<td>Motor-car service (13 days)</td>
<td>400</td>
<td>5,200</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>153,713</strong></td>
<td><strong>1,909,736</strong></td>
</tr>
</tbody>
</table>

5. Rifle Clubs.

About 12,342,000 cartridges in 1932 have been placed at the disposal of the rifle clubs for their compulsory and optional exercises (493,000 men in 1931).

3. Summary Table of Budgetary Effectives.

<table>
<thead>
<tr>
<th>Training of cadres</th>
<th>Recruits’ training course</th>
<th>Refresher training</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
<td>Number</td>
<td>Number</td>
</tr>
<tr>
<td>1926</td>
<td>1926</td>
<td>1926</td>
</tr>
<tr>
<td>Number</td>
<td>7,892</td>
<td>26,370</td>
</tr>
<tr>
<td>Days’ presence</td>
<td>258,635</td>
<td>1,868,490</td>
</tr>
<tr>
<td>1927</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number</td>
<td>7,578</td>
<td>126,059</td>
</tr>
<tr>
<td>Days’ presence</td>
<td>241,887</td>
<td>1,710,452</td>
</tr>
</tbody>
</table>
II. Expenditure on National Defence.

I. Actual Expenditure for the Year 1930.

<table>
<thead>
<tr>
<th></th>
<th>Land forces (Francs (000,000's))</th>
<th>Naval forces</th>
<th>Air forces</th>
<th>Total (Francs (000,000's))</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Effective</strong></td>
<td>64.9</td>
<td></td>
<td>2.9</td>
<td>67.8</td>
</tr>
<tr>
<td><strong>Transport</strong></td>
<td>15.4</td>
<td></td>
<td>0.5</td>
<td>15.9</td>
</tr>
<tr>
<td><strong>Buildings</strong></td>
<td>4.2</td>
<td></td>
<td>0.2</td>
<td>4.4</td>
</tr>
<tr>
<td><strong>War material</strong></td>
<td>22.2</td>
<td></td>
<td>3.3</td>
<td>25.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>106.7</td>
<td></td>
<td>6.9</td>
<td>113.6</td>
</tr>
</tbody>
</table>

Notes.—1. The above figures include the military expenditure of the Cantons and expenditure on military insurance with the exception of invalidity pensions.

2. Expenditure on pay of reserves for the year 1930:

Remuneration outside periods of training of personnel not employed : None
Remuneration during training of reservists called up : None

3. Expenditure on shipbuilding for the year 1930:

New constructions : None
Maintenance and repairs : None

4. Statement of the amount outstanding, at the end of the financial year 1930, of block credits voted in respect of expenditure for more than one year: 16.5

1 Of this figure, the balance of the extraordinary credit of 20,000,000 Swiss francs opened for the acquisition of aeroplanes alone amounted to a sum of 14,798,000 Swiss francs.
5. Statement of the amount outstanding on December 31st, 1930, in respect of purchases on credit or deferred payments relating to goods delivered or services rendered, in cases where the due dates of payment are later than those customary in contracts of the same kind which do not provide any special credit facilities

6. Statement for the financial year 1930 of loans made to, or participations acquired in, enterprises having among their objects the furnishing of goods or services for armament purposes, where these have been excluded from the return on the ground that they are not regarded as armament expenditure

7. Expenditure in respect of pensions for the year 1930:

I. Military personnel:
   (a) Service pensions
   (b) Invalidity pensions
   (c) Mixed pensions

II. Civil personnel: pensions

III. War pensions, if a distinction is made in the national budget between ordinary pensions and war pensions

IV. Pensions or other compensation granted, apart from the regulations regarding normal pensions, for premature retirement, discharge or loss of office resulting from a reduction of the forces

2. Budget Expenditure for the Years 1928 to 1933.

The data in the table below are in continuation of those given in earlier editions of the Armaments Year-Book. These data should not be compared with those in the foregoing table, which are based on the answer of the Government of Switzerland in response to the Council's request for information concerning the state of its armaments (see Preface, page 4).
Notes.—1. Expenditure on the air force is included in that of the military department.

2. The sum of 4 million francs under public debt service for 1931, 1932, 1933 represents instalments of payment for aeroplanes, etc., purchased in virtue of a credit of 20 million francs. The payment is to be spread over a maximum period of 5 years.

3. The service of pensions for State officials is charged to a special pensions fund, to which the State and the personnel pay contributions. The State contributions are shown in the State budget under the heading “Various Expenses”.

4. The State grants on account of temporary disablement and the State contribution towards the military insurance fund for permanent disablement, charged to the Military Department, are not included in the figures above. They amounted to:

<table>
<thead>
<tr>
<th></th>
<th>1928</th>
<th>1929</th>
<th>1930</th>
<th>1931</th>
<th>1932</th>
<th>1933</th>
</tr>
</thead>
<tbody>
<tr>
<td>Military insurance (State grants and contribution for temporary or permanent disablement)</td>
<td>5.5</td>
<td>5.7</td>
<td>6.7</td>
<td>6.1</td>
<td>6.2</td>
<td>5.5</td>
</tr>
</tbody>
</table>

5. According to the Statistical Year-Book of Switzerland, among the subsidies granted by the Confederation to the Cantons, the following sums were devoted to military and physical training:

<table>
<thead>
<tr>
<th></th>
<th>1928</th>
<th>1929</th>
<th>1930</th>
<th>1931</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subsidies granted by the Confederation to military and physical training</td>
<td>4.9</td>
<td>5.3</td>
<td>5.4</td>
<td>4.9</td>
</tr>
</tbody>
</table>

It must be pointed out, however, that the expenditure of the Military Department includes the following sums granted to military societies:

<table>
<thead>
<tr>
<th></th>
<th>1928</th>
<th>1929</th>
<th>1930</th>
<th>1931</th>
<th>1932</th>
<th>1933</th>
</tr>
</thead>
<tbody>
<tr>
<td>Francs (000,000's)</td>
<td>3.6</td>
<td>3.8</td>
<td>3.8</td>
<td>3.5</td>
<td>3.6</td>
<td>3.2</td>
</tr>
</tbody>
</table>