

NORWAY

Area	323,000 sq. km.
Population (XII. 1931)	2,831,000
Density per sq. km.	8.8
Length of railway system (VI. 1931)	3,873 km.

MAIN CHARACTERISTICS OF THE ARMED FORCES.

The armed forces of Norway consist of the land army, the military air force and the navy ; they are under the authority of the Department of Defence, which is the central organisation to which the administration of the army and navy is attached.

The armed forces of Norway are organised on the militia system. The majority of recruits only remain with the colours from 60 to 90 days ; in addition to the recruits' schools, Norway possesses a small permanent army.

The land forces of Norway are divided into the active army, the territorial army and the Landstorm ; the territorial army and various other Norwegian forces which cannot be classified as combatant forces are never employed beyond the borders of the Kingdom without the consent of the Storting.

The present organisation of Norwegian defence, which dates from 1927, came into force on January 1st, 1930, but, for reasons of economy, does not function in its entirety.

I. Army.

ORGANS OF MILITARY COMMAND AND ADMINISTRATION.

The King is Commander-in-Chief of the army and navy of the Kingdom. These forces may not be increased or reduced without the consent of the Storting. They may not be transferred to the service of foreign powers, and no soldiers of foreign powers, except auxiliary troops against hostile attack, may be brought into the Kingdom without the consent of the Storting.

The Landevaern (Landwehr) and the other Norwegian troops, which cannot be classed as troops of the line, may never be employed beyond the borders of the Kingdom without the consent of the Storting.

The Department of Defence is the central organisation to which the Administration of the army and navy is attached.

The Army Division is organised in 2 sections. The first section consists of 3 offices, dealing with army organisation and mobilisation, fortifications, ammunition, arsenals, a printing office, etc. The second section consists of 2 offices and deals with military service, army finance, etc.

General Staff.—The General Staff comprises 4 services : (1) Liaison Service ; (2) Mobilisation Service ; (3) Administrative Service ; and (4) Operations Service.

The Minister is also head of the Military Committee, which is composed as follows :

Commander-in-Chief of the Army ;
Admiral commanding the Fleet ;
Chief of the Military General Staff ;
Chief of the Naval General Staff.

COMPOSITION OF THE ARMY.¹

I. Higher Units : 6 divisions.

The 6 divisions are composed as follows :

1st Division with headquarters at Halden :

3 infantry regiments,	1 medical company,
1 divisional infantry N.C.O.s' school,	1 intendance company,
1 cavalry regiment with 1 cyclist company,	Fossumavsnittet fortifications,
1 field artillery regiment,	Sarpsborg fortifications,
1 regiment of engineers,	Fredriksten garrison,
	Fredrikstad garrison.

2nd Division with headquarters at Oslo :

3 infantry regiments,	1 field artillery regiment,
The Royal Guard,	1 medical company,
1 divisional infantry N.C.O.s' school,	1 supply company,
1 cavalry regiment with 1 cyclist company,	1 train company,
	Kongsvinger fortifications,
	Akershus garrison.

3rd Division with headquarters at Kristiansand :

2 infantry regiments, one of which comprises 1 cyclist company,	1 intendance company,
1 mountain artillery group,	1 medical company,
1 divisional infantry N.C.O.s' school,	Kristiansand garrison.

¹ On January 15th, 1933.

4th Division with headquarters at Bergen :

- | | |
|---|-----------------------------|
| 2 infantry regiments, one of which comprises 1 cyclist company, | 1 mountain artillery group, |
| 1 divisional infantry N.C.O.s' school, | 1 intendance company, |
| | 1 medical company, |
| | Bergenhus garrison. |

5th Division with headquarters at Trondhjem :

- | | |
|--|-------------------------------------|
| 3 infantry regiments, | 1 air section, |
| 1 divisional infantry N.C.O.s' school, | 1 intendance company, |
| 1 cavalry regiment with 1 cyclist company; | 1 medical company, |
| 1 field artillery regiment, | Stjördal and Verdal fortifications, |
| 1 engineer battalion, | Trondhjem garrison. |

6th Division with headquarters at Harstad :

- | | |
|--|-----------------------|
| 3 infantry regiments, | 1 mountain battery, |
| 1 independent battalion with 1 garrison company, | 1 engineer battalion, |
| 1 divisional infantry N.C.O.s' school, | 1 intendance company, |
| | 1 medical company. |

2. Arms and Services.

Infantry.

- Royal Guard (4 companies).
16 regiments.
1 independent battalion.

Each regiment is composed of 3 battalions with 4 companies each (8 battalions have only 3 companies each); 8 of these regiments have in addition 1 machine-gun company and 5 have 1 cyclist company.

Cavalry.

- 3 regiments of 4 squadrons each, including 1 machine-gun squadron.

Artillery.

- Field artillery: 3 regiments (36 batteries of field artillery and heavy artillery).
Mountain artillery: 2 battalions and 1 battery.
Fortress artillery: 5 battalions.

Engineers.

- 1 regiment of 3 battalions having 4 companies each (1 battalion with 5 companies) ;
2 independent battalions of 3 companies each.

Air Force.

- 1 air battalion and 1 section.

AIR MATERIAL.¹

	Number of aeroplanes	Total horse-power
Army	83 ¹	40,650

The Norwegian army also contains 6 companies of Army Service Corps, 6 companies of Army Medical Corps and 12 transport companies.

SUMMARY TABLE OF UNITS.

	Divisions	Regiments	Battalions	Squadrons	Companies	Batteries
Higher units ..	6	—	—	—	—	—
Infantry	—	16	49	—	205 ¹	—
Cavalry	—	3	—	12 ²	—	—
Artillery :						
Field	—	3	—	—	—	36
Mountain ..	—	—	2	—	—	1
Fortress ..	—	—	5	—	—	—
Engineers	—	1	5	—	19	—
Air force	—	—	1	—	—	—

¹ Including 8 machine-gun, 5 cyclist and 4 Royal Guard companies.

² Including 3 machine-gun squadrons.

POLICE FORCES.

Urban Police.—The effectives number approximately 2,100 officers and men, armed with truncheons. The arms not forming part of the normal equipment but in the use of which training is given consist of revolvers and wooden truncheons.

Rural Police.—The effectives number approximately 1,200 officers and men. The arms are the same as for the urban police.

State Police.—The effectives number approximately 80 officers and men, armed with truncheons, revolvers and carbines.

Recruits receive training at the police school (Oslo).

¹ According to the 1927 organisation. As the organisation is not completed, the number is at present lower than the figure given.

RECRUITING SYSTEM AND PERIOD OF SERVICE.

Military service is compulsory and begins at the age of 20. The total period of liability for military service is 24 years : 12 years in the regular army and 12 years in the territorial army. Men of from 18 to 20 years of age and from 44 to 55 years serve in the Landstorm, which is only raised in case of national defence.

Conscripts enlisted in the army have to go through the recruits' school in their first or second year's service ; the Crown may decide that in one or more units recruits' schools will be organised every two years for the simultaneous training of two annual contingents. It may also decide that men will go through the recruits' school in the year of their enlistment.

Conscripts enlisted as combatant troops in the cavalry, artillery, infantry, cyclist companies and air force must, in addition to the recruits' school, receive general regimental training or other equivalent training for at least 48 days in all—*i.e.*, 2 periods of 24 days each during the first and third years of compulsory service or during the second and fourth years of such service. Each unit receives its regimental contingent every two years. In the air force, in addition to the recruits' school, there is an advanced course which lasts at least 120 days—*i.e.*, 3 periods of 40 days during the first, second and third years, or during the second, third and fourth years of compulsory service.

The total period of service with the colours, including call-up periods, is from 108 to 138 days (150 days in the air force and 180 days in the Royal Guard and the navy).

TABLE OF PERIODS OF SERVICE IN THE ARMY.

Arm and service	Average total of recruits per annum	Period of service (in days)		
		Training	Repetition training	Total service
Infantry and cyclist companies	6,600	60 ¹	2 × 24 ²	108
Cavalry	300	90	2 × 24 ²	138
Field artillery	500	90	2 × 24 ²	138
Mountain artillery				
Anti-aircraft artillery	150	60 ¹	2 × 24 ²	108
Engineers	800	60	2 × 24 ²	108
Garrison artillery	835	60 ¹	2 × 24 ²	108
Automobile corps	150	48	72	120
Air force (army)	200	30	3 × 40	150
Total combatants	9,535			
Intendance service	250	90	30	120
Medical service	500	48	2 × 24 ²	96
	100	90	30	120
Other categories	1,150			108
Total non-combatants	2,000			

¹ For the last few years, only 48 days.

² Repetition training has not been given during the last few years (for reasons of economy).

RECRUITING OF THE ARMY.

Year	Young men whose names appear on the conscription rolls	Emigrated	Number of young men inspected	Distributed as under :			
				In the active army	In the auxiliary corps	Provisionally exempted	Finally exempted
1913	26,464	1,828	15,631	10,564	1,811	251	3,005
1914	29,999	1,882	20,065	13,857	2,412	227	3,569
1915	29,720	1,298	20,471	13,808	2,301	526	3,836
1916	60,909	1,111	40,695	28,230	4,776	1,217	6,472
1917	33,417	296	22,922	15,755	2,962	1,049	3,156
1918	30,895	191	19,132	12,927	2,518	834	2,853
1919	31,471	102	20,570	14,023	2,824	924	2,799
1920	31,114	148	22,041	15,777	2,361	898	3,005
1921	32,866	336	23,324	16,495	2,722	850	3,257
1922	32,909	330	21,910	14,099	2,482	384	4,945
1923	33,160	463	21,967	12,955	2,652	354	6,006
1924	32,185	1,061	20,498	11,811	2,538	285	5,864
1925	30,902	513	20,247	11,557	2,696	244	5,750
1926 ¹	30,963	401	16,820	8,373	2,350	202	5,895

¹ In pursuance of the decision of the Storting, dated March 22nd, 1926, only two-thirds of the men enrolled are called up for service.

CADRES.

There are three different categories of officers and non-commissioned officers in the Norwegian army :

- (1) Permanent cadres ;
- (2) District cadres (called up during training periods) ;
- (3) Cadres without pay (officers and N.C.O.s of the reserve).

The officers are recruited from the following schools :

Staff College (2 years' training).

Military Academy.

The army training-courses last one year for officers without pay, and three years for permanent and district officers.

N.C.O.s are drafted from the following schools :

- 6 divisional infantry schools for N.C.O.s ;
- 1 cavalry school for N.C.O.s ;
- 1 artillery school for N.C.O.s ;
- 1 engineering school for N.C.O.s ;
- 1 garrison artillery school for N.C.O.s ;
- 1 corporals' school at Vardhus ;
- 1 school of musketry for infantry ;
- 1 school of gunnery for field artillery ;
- 1 school of gunnery for garrison artillery ;
- 1 flying-school.

EFFECTIVES.

I. EFFECTIVES OF THE LAND ARMY FOR 1931.

Total effectives	.. .. .	5,731 ¹
Officers	.. .. .	893 ¹

Of the 893 officers, 325 have passed through the Military College and 568 have passed through schools for non-commissioned officers.

2. BUDGETARY EFFECTIVES.²

(Permanent Personnel.)

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

	1929-30		1930-31		1931-32		1932-33		1933-34	
	Officers and men	N.C.O.s and men	Officers and men	N.C.O.s and men	Officers and men	N.C.O.s and men	Officers and men	N.C.O.s and men	Officers and men	N.C.O.s and men
General Staff ..	40 ³	4 ³	33	4	33	4	33	4	33	4
Divisional H.Q. ..	46	138	30	—	30	—	30	—	30	—
Infantry	617	1,611	920	411	928	393	929	389	896	434
Cavalry	53	239	82	42	82	42	82	42	82	42
Artillery	253	632	447	226	430	215	440	222	445	159
Engineers	73	240	155	73	155	73	155	73	155	73
Air force	16	28	41	20	41	21	32	38	32	38
Intendance ..	27	44	29	19	30	19	30	19	30	19
Medical and veterinary corps ..	125	74	136	25	136	25	136	25	136	25
Total	1,250	3,010	1,873	820	1,865	792	1,867	812	1,839	794

II. Navy.

DISTRICT COMMANDS, ADMINISTRATION OF MATERIAL AND NAVAL COMMISSIONS.

DISTRICT COMMANDS.

1. Naval district command (Horten).
2. Naval district command (Kristiansand).
3. Naval district command (Bergen).
4. Naval district command (Nidaros).
5. Naval district command (Ramsund).

¹ Including 242 men belonging to the air force.

² Including men assimilated to effectives and employees.

³ Including the office of the Commander-in-Chief.

ADMINISTRATION OF MATERIAL.

Chief naval dockyard.
 Naval intendance department.
 Naval artillery department.
 Naval mines department.
 Naval flying service.
 Naval works service.
 Naval navigation service.
 Naval health service.
 The Melsomvik lying-up harbour.
 The Marvik lying-up harbour.
 The Bergen lying-up harbour.

PERMANENT NAVAL COMMISSIONS.

1. The Supervisory Commission.
2. The Joint Naval Technical Commission.
3. The Naval Engine and Shipbuilding Commission ;
4. The Naval Artillery Commission.
5. The Naval Torpedo and Mines Commission.
6. The Permanent Flying Commission.
7. The Naval Intendance Commission.
8. The Naval Health Commission.
9. The Anti-aircraft Artillery Commission.

EFFECTIVES.¹

(1931.)

Total effectives	..	..	..	..	..	1,100
Officers	..	..	..	..	..	509

AIR MATERIAL.

(1931.)

Number of aeroplanes..	..	..	..	..	..	96 ²
Total horse-power	..	..	..	..	..	48,000

¹ Including the air force of the navy.² According to the 1927 organisation. As the organisation is not completed, the number is at present less than the figure given.

LIST OF UNITS.

(1932.)

Nota.—The first date in brackets gives the date of the launching of the ship; the second that of its completion. The dash (—) signifies that the construction has not yet been completed or that the date of completion is not known.

Battleships (coast defence) :

1. *Norge* (1900-1901) Displacement, 4,166 tons. Length, $301\frac{1}{4}$ feet.
2. *Eidsvold* (1900-1901) Beam, $50\frac{1}{2}$ feet. Draught, $17\frac{2}{3}$ feet. H.P. 4,500 = 16.5 kts. Guns : 2 8.2-inch ; 6 5.9-inch ; 8 12-pdr. ; 2 3-pdr. (A.A.).
3. *Harald Haarfagre* (1897-1898) Displacement, 3,858 tons. Length, 304 feet. Beam, $48\frac{1}{2}$ feet. Draught, $17\frac{1}{3}$ feet. H.P. 4,500 = 16.9 kts. Guns : 2 8.2-inch ; 6 4.7-inch ; 6 12 pdr. ; 2 12-pdr. (A.A.).
4. *Tordenskjold* (1897-1898) (Employed as training-ship.)

3 destroyers :

1. *Garn* (1913—) Displacement, 540 tons. Dimensions : $227 \times 23\frac{1}{2} \times 8\frac{3}{4}$ feet. H.P. 7,500-8,000 = 27 kts.
2. *Draug* (1908—)
3. *Troll* (1910—) Guns : 6 12-pdr. 3 18-inch tubes.

20 torpedo-boats :

3 deep-sea vessels. Displacement, 220 tons. 4 18-inch tubes.

17 second-class vessels. Displacement, 70-92 tons. 2-3 18-inch tubes.

9 submarines :

Number	Type	Date of launching	Date of completion	Displacement (tons)	H.P. Kts.	Torpedo-tubes (18-inch)
1	B 1	1923	1923	420 545	On surface : <u>900</u>	4
1	B 2	1924	1924		14.75	
1	B 3	1926	1926		Submerged : <u>500</u> 10.5	
1	B 4	1927	1927			
1	B 5	1929	1929			
1	B 6	1929	1930			
3	A 4-A 2	1914		250 335	On surface : <u>700</u> 14.25 Submerged : <u>380</u> 9	3

Miscellaneous : 14 units (minelayers, gunboats, etc.).

SUMMARY TABLE OF NAVAL UNITS.

	Tons
4 battleships	16,048
3 destroyers	1,620
20 torpedo-boats	1,804
9 submarines	3,270
Total	22,742

III. Expenditure on National Defence.

I. ESTIMATES FOR THE YEAR 1930-31.

	Land forces	Naval forces	Air forces	Total
	Kroner (ooo,ooo's)			
Effectives	14.9	7.2	1.3	23.4
Transport	1.8	2.5	0.6	4.9
Buildings	1.6	1.7	2.6	18.2
War material	3.5	8.8		
Survey Department	1.0	—	—	1.0
Total	22.8	20.2	4.5	47.5

NOTE.—There is no information with reference to the annexed tables (block credits, pensions, etc.).

2. BUDGET EXPENDITURE FOR THE YEARS 1927-28 TO 1932-33.

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 Norwegian Government in response to the Council's request for information concerning the state of its armaments (see Preface, p. 4).

	1927-28	1928-29	1929-30	1930-31	1931-32	1932-33
	Closed accounts					Estimates
	Kroner (ooo,ooo's)					
Department of National Defence:						
Army	30.0	28.1	27.2	25.5	21.2	20.5
Navy	11.0	10.3	10.7	11.9	10.2	10.3
Defence expenditure under the heading "Miscellaneous Expenditure"	—	—	—	—	5.7	5.4
Deficit on military undertakings	1.7	—	—	—	—	1.1
Total	42.7	38.4	37.9	37.4	37.1	37.3
Index numbers of:						
Wholesale prices (1913 = 100)	164	156	149	135	120 ¹	123 ²
Retail prices : Cost of living (July 1914 = 100)	196	184	178	171	150 ¹	148 ²

¹ New series.² Average, July 1932 to February 1933.

NOTES.—1. Expenditure on the air force is included in that of the army and the navy.

2. Defence expenditure shown under the heading "Miscellaneous Expenditure" was included, for the years prior to 1931-32, in the figures for the army and the navy.

3. The above figures do not include expenditure for civil purposes charged to the budget of national defence. This expenditure has amounted to :

	1927-28	1928-29	1929-30	1930-31	1931-32	1932-33
	Closed accounts					Estimates
	Kroner (000,000's)					
<i>Army :</i>						
Contribution to sport and rifle clubs, cartographic service, civil aviation	1.6	1.5	1.3	1.2	1.2	0.9
<i>Navy :</i>						
Pilotage service, vessels for surveillance of the frontier, wireless service for naval bearings	0.2	0.2	0.2	0.2	0.5	0.8

4. Military pensions are charged to a pensions fund. The State's contributions to this fund are charged partly to the Defence Department and partly to the Finance Department.

The figures in the table above do not include the State contributions to pensions, charged to the Defence Department, amounting to :

	1927-28	1928-29	1929-30	1930-31	1931-32	1932-33
	Closed accounts					Estimates
	Kroner (000,000's)					
Army	0.2	0.2	0.2	0.2	0.2	0.2
Navy	0.5	0.5	0.5	0.5	0.5	0.4

5. In the general budget, under the heading "Various Expenses" is shown an item referring to supplementary salaries of State officials amounting to :

1927-28	1928-29	1929-30	1930-31	1931-32	1932-33
Closed accounts					Estimates
Kroner (000,000's)					
7.3	8.2	6.0	5.7	4.3	3.9

It is impossible to ascertain what portion of these amounts refers to military personnel.