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نقالاً من وثيقة ورقية أصلية ضمن الوثائق المتوفرة في قسم المكتبة والمحفوظات.

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GENERAL TELEPHONE STATISTICS

COMPILED

FROM OFFICIAL DOCUMENTS

BY THE

**GENERAL SECRETARIAT
OF THE INTERNATIONAL TELECOMMUNICATION UNION**

Year 1949

**GENEVA
GENERAL SECRETARIAT OF THE INTERNATIONAL TELECOMMUNICATION UNION
1950**

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GENERAL OBSERVATIONS

The letter E at the top of a column, under the name of the country, indicates: Operated by the Government.

The letter P at the top of a column, under the name of the country, indicates: Operated by private agencies.

The sign ♦ at the top of a column means that the information comes from sources outside the Union.

Dashes in the columns indicate either that no information is available or that the service in question does not exist or has been suspended.

The present document also gives Norwegian statistics for 1947, and figures for the Belgian Congo and the Territories of Ruanda-Urundi, for the third zone of Egypt (Anglo-Egyptian Sudan), and for Norway, for 1948.

The "explanatory notes" in the statistical table sent to offices for completion are given below. They show how certain headings are to be interpreted.

Explanatory Notes:

- (1) By telephone exchange is meant an automatic, semi-automatic or manual installation to which subscribers are connected, and which is operated by an Administration or private operating agency.
- (2) In the number of subscribers' lines include lines connecting service and public telephone stations with the central exchange.
- (3) Private telephone stations which cannot be connected with the general telephone network are not to be included among subscribers' stations.
- (4) All telephone stations put at the disposal of the public by Administrations or private operating agencies constitute public stations.
- (5) The length of a telephone circuit (defined on page 45 of the Green Book of the C.C.I.F.) is the length of the route followed by the conducting wires which form the circuit or are used for the circuit, i.e. the simple distance between the terminal exchanges measured along the actual route taken.
- (6) Where a submarine cable belongs to two Administrations or private operating agencies, these Administrations or private operating agencies should indicate in their statistical data only the length of that section of the cable which belongs to them.
- (7) No other categories of calls should be entered under this heading. If it is impossible to enumerate separately every category of call, this fact should be stated.
- (8) In internal trunk traffic, each broadcast transmission, whether it be received and broadcast by one or by more stations, should count as one unit only.
- (9) By transit traffic is meant the total number of chargeable minutes of calls passed in transit through the country in question with the actual intervention of an international terminal exchange situated within the territory of that country. Calls transmitted by a direct circuit over the territory of the country in question and set up without the intervention of a terminal exchange within such a country should not be regarded as transit traffic.
- (10) In international traffic, every country participating in a broadcast transmission, by the transmitting station or by one or more receiving stations, or as transit country, should record one unit.
If the transmission is intercepted within the transit country by one or more receiving stations, it should still be regarded by this country as an international broadcast transmission, and should not, therefore, figure in the statistics of internal traffic.
If a broadcast is transmitted in both the internal service and the international service, it must be recorded by the country of origin both as internal trunk traffic and as international traffic.
If the source of a broadcast is changed during transmission, each change shall be entered in the statistics as a new transmission.

Telephone Statistics 1949

(Chapters I—VI)

Statistical item	Angola E	Australia ¹⁾ (Common- wealth of) E	Austria E
I. Population of country according to last census	3 738 010	7 911 806	6 818 593
II. Area of country in square kilometres	1 246 700	7 704 164	83 867
III. Number of exchanges in operation: (1)			
1) Automatic exchanges	—	355	72
2) Semi-automatic exchanges	—	—	—
3) Manual exchanges	7	6 229	2 179
Total number of exchanges	7	6 584	2 251
IV. Number of subscriber lines in operation: (2)			
1) Subscriber lines directly connected to automatic exchanges .	—	441 175	180 786
2) Subscriber lines directly connected to semi-automatic exchanges	—	—	—
3) Subscriber lines directly connected to manual exchanges . . .	—	293 252	60 705
Total number of subscriber lines	—	734 427	241 491
V. Number of stations in operation:			
1) Private stations (including supplementary and service stations) (3)	1 776	1 014 544	377 774
2) Public stations (4)	135	13 590	5 633
Total number of stations	1 911	1 028 134	383 407
VI. Number of trunk and international circuits in operation:			
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together)	119	8 489	5 278
2) Total number of international circuits (total of physical, phantom and carrier circuits added together)	2	—	53
3) Total length in kilometres of open wire circuits (internal and international): (5)			
a) physical circuits	11 528 ¹⁾	383 602	50 617
b) phantom circuits	—	44 702	2 060
c) carrier circuits	—	416 243	4 195
4) Total length in kilometres of overhead or underground cable circuits (internal and international)	108	— ²⁾	85 562
a) two-wire physical circuits	—	33 009	178 134
b) four-wire physical circuits	—	38 632	23 014
c) phantom circuits (two or four-wire)	—	10 938	76 239
d) carrier circuits	—	—	6 346
5) Total length in kilometres of submarine cable circuits (internal and international) (6):			
a) two-wire physical circuits	—	— ²⁾	—
b) four-wire physical circuits	—	—	758
c) phantom circuits (two or four wire)	—	—	241
d) carrier circuits	—	—	2 698

Telephone Statistics 1949

(Chapters I—VI)

Belgian Congo and Territories of Ruanda-Urundi	Belgium ¹⁾ E	Cameroon (Territory under French Trusteeship) E	Cape Verde Islands E	Ceylon E	Denmark	
					E ¹⁾	P
14 765 122	14 941 337 ⁵⁾	8 625 084	2 902 000	181 286	7 423 000	4 270 168 ²⁾
2 355 800	—	30 636	425 000	4 033	65 608	42 932 ²⁾
2	2	163	—	—	140	33
—	—	76	—	—	—	51
24	24	398	47	2	103	129
26	26	637	47	2	243	162 ³⁾
1 206	1 352	341 269	—	—	12 497	229 579
—	—	2 930	—	—	9 013	—
1 230	1 321	133 572	513	120	13 250	287 085
2 436	2 673	477 771	513	120	9 013	25 747
3 894	4 537	643 451	963	114	14 463	32 371
65	67	6 104	44	23	421	294
3 959	4 604	649 555	1 007	137	14 884	32 665
32	32	8 813	5 ¹⁾	17	561	1 799
5	5	373	1	—	2	103
—	—	23 222	700	336	10 186	6 797
—	—	607	—	—	5 397	1 811
—	—	—	—	—	1 447	—
—	—	178 134	—	—	2 028	54 114
—	—	23 014	—	—	—	8 305
—	—	76 239	—	—	—	23 828
—	—	6 346	—	—	—	25 360
—	—	2	—	—	25	3 830
—	—	758	—	—	—	1 672
—	—	241	—	—	—	1 309
—	—	2 698	—	—	—	5 115

Telephone Statistics 1949

(Chapters VII—IX)

Statistical item	Angola E	Australia ¹⁾ (Common- wealth of) E	Austria E
VII. Traffic:			
1) Local traffic:			
a) number of calls (regardless of duration) from subscriber stations	6 318 455	800 367 742 ³⁾ 90 783 164 ³⁾	—
b) number of calls (regardless of duration) from public stations	6 318 455	891 150 906	—
Total number of local calls	6 318 455	891 150 906	—
2) Trunk traffic:			
a) number of chargeable minutes of conversation			
i) during periods of heavy traffic	46 257	— ⁴⁾	147 159 167
ii) during periods of light traffic	46 257	—	147 159 167
Total	46 257	—	147 159 167
b) number of chargeable calls (regardless of duration):			
ordinary private (7)	15 419	64 975 715 ⁵⁾	30 105 399 2 194 398
urgent	—	—	—
urgent aircraft	—	—	—
lightning	—	— ⁶⁾	249 341
reversed charge	—	—	10 145
subscription	—	—	2 966
fixed-time	—	—	—
broadcast transmissions (8)	1 273	34 478	—
collective	—	— ⁶⁾	—
picture transmissions between private stations	—	—	—
Total	16 692	65 010 193	32 562 249
c) Number of préavis (including those not followed by calls)			
Number of avis d'appel (including those not followed by calls)	—	485 923	—
Total	9 839	—⁶⁾	391 832
9 839	—	877 755	—
3) International Traffic (outgoing, incoming and transit) (9):			
a) total number of chargeable minutes of conversation:			
i) during period of terminal traffic (outgoing and incoming) transit traffic (9)	579	— ⁴⁾	2 832 616 36 949
ii) during period of terminal traffic (outgoing and incoming) light traffic (9)	579	— ⁴⁾	—
Total	579	—	2 869 565
b) Number of chargeable calls (regardless of duration) not including transit traffic:			
ordinary private (7)	213	26 901	342 845 7 654
urgent	—	—	—
urgent aircraft	—	—	—
lightning	—	— ⁷⁾	1 129
reversed charge	—	—	—
subscription	—	—	—
fixed-time	—	— ⁴⁾	427
broadcast transmissions (10)	—	— ⁷⁾	9
collective	—	—	—
picture transmissions between private stations	—	—	—
Total	213	26 901	352 064
c) number of préavis and avis d'appel, not including transit traffic:			
number of préavis (including those not followed by calls)	—	— ⁷⁾	198 516
number of avis d'appel (including those not followed by calls)	—	—	402
Total	—	—⁷⁾	198 918
—	403 681 000	—	—
VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment (optional)	72 872²⁾	394 944 000	—
IX. Total gross income in gold francs of the internal and international telephone services	—	—	—

Belgian Congo and Territories of Ruanda-Urundi	Belgium ¹⁾ E	Cameroon (Territory under French Trusteeship) E	Cape Verde Islands E	Ceylon E	Denmark	
					E ¹⁾	P
4 877 118	6 429 835	385 485 805 6 898 773	735 000 9 500	—	31 860 000 250 000	29 267 000
4 877 118	6 429 835	392 384 578	744 500	—	32 110 000	29 267 000
469 185 ¹⁾	414 984 ⁶⁾	— ²⁾	—	7 607 3 888	26 436 000 9 970 000	—
469 185	414 984	—	—	11 495	36 406 000 ⁴⁾	—
120 154 ²⁾	105 210 ⁷⁾	—	29 345	3 465 65	2 401 000	—
—	—	—	—	—	14 462 000	—
50 948 739 ³⁾	—	—	—	—	—	152 120 360
120 154	105 210	50 948 739	29 345	3 613	2 401 000	14 462 906
—	—	— ²⁾	—	—	—	1 727 000
260	250	—	2 500	—	—	—
260	250	—	2 500	—	—	1 727 000
92 953 ³⁾	90 498 ⁸⁾	22 241 940 20 703	—	—	—	5 651 492 133 559
92 953	90 498	22 262 643	—	—	—	1 839 294
9 984	19 701	3 619 078 221 815	150	—	29 721	1 089 835 108 475
—	—	—	—	—	—	—
684	709	4 760 1 104 896 853 497 60	—	—	—	1 459 — 7 925 1 768 607 — 1 088
10 668	20 410	3 849 063	150	—	29 721	1 211 157
61	—	338 040	—	—	—	—
—	95	5 466	—	—	—	566 426
61	95	343 506	—	—	—	566 426
— ⁴⁾	— ⁴⁾	90 161 700 ⁴⁾	— ¹⁾	3 393 785 ¹⁾	—	— ⁵⁾ ⁶⁾
804 416	753 753	94 221 700 ⁴⁾	31 582	2 502 ²⁾	2 926 405 ¹⁾	— ⁵⁾ ⁷⁾

Telephone Statistics 1949

(Chapters I—VI)

Statistical item	Egypt	
	1st and 2nd regions ¹⁾ E	3rd region ³⁾ (Anglo-Egyptian Sudan) 1948 E
I. Population of country according to last census	—	—
II. Area of country in square kilometres	—	2 506 474
III. Number of exchanges in operation: (1)		
1) Automatic exchanges	9	2
2) Semi-automatic exchanges	—	—
3) Manual exchanges	170	48
Total number of exchanges	179	50
IV. Number of subscriber lines in operation: (2)		
1) Subscriber lines directly connected to automatic exchanges .	42 267	1 750
2) Subscriber lines directly connected to semi-automatic exchanges	—	—
3) Subscriber lines directly connected to manual exchanges . . .	20 267	2 017
Total number of subscriber lines	62 534	3 767
V. Number of stations in operation:		
1) Private stations (including supplementary and service stations) (3)	—	4 982
2) Public stations (4)	690	25
Total number of stations	690	5 007
VI. Number of trunk and international circuits in operation:		
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together)	2 263	106
2) Total number of international circuits (total of physical, phantom and carrier circuits added together)	7	3
3) Total length in kilometres of open wire circuits (internal and international): (5)		
a) physical circuits	52 074	13 100
b) phantom circuits	9 567	1 000
c) carrier circuits	—	9 550
4) Total length in kilometres of overhead or underground cable circuits (internal and international)		
a) two-wire physical circuits	51 664	9 373
b) four-wire physical circuits	—	—
c) phantom circuits (two or four-wire)	4 934	—
d) carrier circuits	—	—
5) Total length in kilometres of submarine cable circuits (internal and international) (6):		
a) two-wire physical circuits	—	86
b) four-wire physical circuits	—	—
c) phantom circuits (two or four wire)	—	2
d) carrier circuits	—	2

Telephone Statistics 1949

(Chapters I—VI)

Finland ¹⁾ EP	France E	French Equatorial Africa E	French Settlements in Oceania E	French Somaliland E	French West Africa E	Germany ¹⁾ (American, British and French Zones) E
3 988 700	40 502 513	4 186 000	50 000	47 000	16 150 878	44 637 200
337 009	550 926	2 510 000	—	23 000	4 741 371	245 400
128	212 ¹⁾	—	—	—	1	2 438
63	14 997 ²⁾	—	—	—	—	—
2 126	14 332	10	5	1	175	1 616
2 317	29 541	10	5	1	176	4 054
110 388	666 493	—	—	—	1 950	1 062 205
4 734	194 461	—	—	—	—	—
125 741	553 157	1 050	380	230	3 876	211 672
240 863	1 414 111	1 050	380	230	5 826	1 273 877
312 108	2 276 878	1 830	426	295	11 297	2 068 748
1 867	41 795	32	34	1	231	43 980
313 975	2 318 673	1 862	460	296	11 528	2 112 728
—	82 130	9	14	—	155	
36	930	2	—	—	—	
148 701	720 084	500	274	—	26 710	
54 627	152 797	—	—	—	876	
74 900	192 675	—	—	—	200	
4 019	898 618	—	61	—	—	
667	771 821	—	—	—	—	
783	798 974	—	—	—	—	
15 960	—	—	—	—	—	
950	391	—	—	—	—	
1 134	4	—	—	—	—	
5 114	39	—	—	—	—	
—	2 131	—	—	—	—	

Telephone Statistics 1949
(Chapters VII—IX)

Statistical item	Egypt	
	1st and 2nd regions ¹⁾ E	3rd region ³⁾ (Anglo-Egyptian Sudan) 1948 E
VII. Traffic:		
1) Local traffic:		
a) number of calls (regardless of duration) from subscriber stations	517 272 231 ²⁾	—
b) number of calls (regardless of duration) from public stations	760 600	—
Total number of local calls	518 032 831	—
2) Trunk traffic:		
a) number of chargeable minutes of conversation		
i) during periods of heavy traffic	13 220 100	—
ii) during periods of light traffic	28 181 300	—
Total	41 401 400	— ⁴⁾
b) number of chargeable calls (regardless of duration):		
ordinary private (7)	7 432 311	—
urgent	513 000	—
urgent aircraft	—	—
lightning	—	—
reversed charge	—	—
subscription	—	—
fixed-time	—	—
broadcast transmissions (8)	—	—
collective	—	—
picture transmissions between private stations	—	—
Total	7 945 311	—
c) Number of préavis (including those not followed by calls)		
Number of avis d'appel (including those not followed by calls)	—	—
Total	—	—
3) International Traffic (outgoing, incoming and transit) (9):		
a) total number of chargeable minutes of conversation:		
i) during period of terminal traffic (outgoing and incoming) transit traffic (9)	—	—
ii) during period of terminal traffic (outgoing and incoming) light traffic (9) transit traffic (9)	—	—
Total	—	— ⁴⁾
b) Number of chargeable calls (regardless of duration) not including transit traffic:		
ordinary private (7)	—	—
urgent	—	—
urgent aircraft	—	—
lightning	—	—
reversed charge	—	—
subscription	—	—
fixed-time	—	—
broadcast transmissions (10)	—	—
collective	—	—
picture transmissions between private stations	—	—
Total	—	—
c) number of préavis and avis d'appel, not including transit traffic:		
number of préavis (including those not followed by calls)	—	—
number of avis d'appel (including those not followed by calls)	—	—
Total	—	—
VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment (optional)	148 088 944	—
IX. Total gross income in gold francs of the internal and international telephone services	62 416 435	—

Telephone Statistics 1949
(Chapters VII—IX)

Finland ¹⁾ EP	France E	French Equatorial Africa E	French Settlement in Oceania E	French Somaliland E	French West Africa E	Germany ¹⁾ (American, British and French Zones) E
396 346 838	1 042 349 593 ³⁾	3 567 550 ¹⁾	313 200 16 000	527 000 ¹⁾ 1 800 ¹⁾	24 519 353 122 651	1 474 201 528 51 255 351
396 346 838	1 042 349 593	3 567 550	329 200 ¹⁾	528 800	24 642 004	1 525 456 879
391 687 389	—	96 700 ²⁾	375 600	—	10 992 768	1 062 178 140 157 155 980
391 687 389	—	96 700	375 600	—	10 992 768	1 219 334 120
61 160 927 9 950 118 — 7 105 50 218 47 521 —	392 994 632 ⁴⁾	21 400 — — — — 262 —	38 000 — — — — 610 —	—	4 654 912	283 783 390 12 656 714 — 50 027 1 675 889 275 146 49 997 29 525 —
71 215 889	392 994 632	21 662	38 610	—	4 654 912	298 520 688
—	—	—	—	—	—	2 501 327
1 039 452	—	158	—	—	41 380	1 800 955
1 039 452	—	158	—	—	41 380	4 302 282
1 739 902 22 779 649 880 —	24 952 014 5 641 451 —	2 509 ²⁾	—	—	16 725	12 718 919 — ³⁾ 2 036 207 — ³⁾
2 412 561	30 593 465	2 509	—	—	16 725	14 755 126
355 353 26 384 — 240 — 2 969 712 338 —	—	—	—	—	1 480	2 528 922 107 561 4 804 271 23 221 2 669 — 1 579 —
385 996	—	—	—	—	1 480	2 669 027
—	—	—	—	—	918	237 810
61 239	—	107	—	—	918	801
61 239	—	107	—	—	918	238 611
— ¹⁾	— ³⁾	78 994	37 736	—	— ⁴⁾	—
— ¹⁾	531 316 582 ⁵⁾	176 500	86 783	5 164	571 453	633 960 900

Telephone Statistics 1949
(Chapters I—VI)

Statistical item	Greece E	India ¹⁾ E	Indochina E
I. Population of country according to last census	7 344 860 ¹⁾	317 696 000	20 000 000
II. Area of country in square kilometres	132 730	3 240 641	730 000
III. Number of exchanges in operation: (1)			
1) Automatic exchanges	38	90	1
2) Semi-automatic exchanges	—	—	—
3) Manual exchanges	164	299	81
Total number of exchanges	202	389	82
IV. Number of subscriber lines in operation: (2)			
1) Subscriber lines directly connected to automatic exchanges .	60 522	41 040	1 807
2) Subscriber lines directly connected to semi-automatic exchanges	—	—	—
3) Subscriber lines directly connected to manual exchanges . .	2 116	39 612	4 186
Total number of subscriber lines	62 638	80 652	5 993
V. Number of stations in operation:			
1) Private stations (including supplementary and service stations) (3)	73 703	109 441	9 031
2) Public stations (4)	2 244	765	98
Total number of stations	75 947	110 206	9 129
VI. Number of trunk and international circuits in operation:			
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together)	420	1 501	68
2) Total number of international circuits (total of physical, phantom and carrier circuits added together)	— ²⁾	29	—
3) Total length in kilometres of open wire circuits (internal and international): (5)			
a) physical circuits	14 150	164 005	3 449
b) phantom circuits	379	9 659	—
c) carrier circuits	11 789	171 492	—
4) Total length in kilometres of overhead or underground cable circuits (internal and international)			
a) two-wire physical circuits	—	353 281	72
b) four-wire physical circuits	—	8 303	—
c) phantom circuits (two or four-wire)	—	1 450	—
d) carrier circuits	—	—	—
5) Total length in kilometres of submarine cable circuits (internal and international) (6):			
a) two-wire physical circuits	33	3 944	9
b) four-wire physical circuits	—	—	—
c) phantom circuits (two or four wire)	—	—	—
d) carrier circuits	—	20	—

Telephone Statistics 1949
(Chapters I—VI)

Ireland ¹⁾ E	Israel (State of) E	Italy		Japan E	Kenya, Tanganyika and Uganda E	Luxem- bourg E
		E ¹⁾	P ¹⁾			
2 991 000	1 164 000	46 821 970	—	78 627 000	17 709 251	290 992
70 284	—	301 020	—	369 859	1 762 400	2 586
11	16	—	916	116	13	16
—	5	—	1 001	—	—	—
884	29	14	3 988	7 655	132	36
895	50	14	5 905	7 771	145	52
28 238	12 044	—	705 722		5 751	10 496
—	25	—	7 715	1 034 621	—	—
21 188	2 039	—	76 209		3 037	5 332
49 426	14 108	—	789 646	1 034 621	8 788	15 828
73 917	24 583	—	1 009 596	1 431 115	16 330	21 971
1 838	103	—	21 450	17 553	195	405
75 755	24 686	—	1 031 046	1 448 668	16 525	22 376
773	327	1 124	6 038	18 044 ¹⁾	185	782
87 ²⁾	— ¹⁾	102	29	7 ²⁾	25	57
59 135 ³⁾	11 563 ²⁾ 1 941 ²⁾ 2 030 ²⁾	144 079 48 955 70 140	21 009	426 274 ³⁾	11 901 — 6 988	4 579 503 —
124 746 ³⁾	975 ²⁾ — 104 ²⁾	47 370 79 423 48 275 29 617		1 593 149 ³⁾	— — 260	5 282 — —
231 ³⁾	—	324 62 140 456	2 999		2 279 ³⁾	— — —

Telephone Statistics 1949

(Chapters VII—IX)

Statistical item	Greece E	India ¹⁾ E	Indochina E
VII. Traffic:			
1) Local traffic:			
a) number of calls (regardless of duration) from subscriber stations	254 633 000 ³⁾	— ²⁾	7 124 810
b) number of calls (regardless of duration) from public stations	3 944 300		18 513
Total number of local calls	258 577 300	—	7 143 323
2) Trunk traffic:			
a) number of chargeable minutes of conversation			
i) during periods of heavy traffic	—	—	742 791
ii) during periods of light traffic	—	—	
Total	—	—	742 791
b) number of chargeable calls (regardless of duration):			
ordinary private (7)	1 847 237	3 001 553	247 597
urgent		1 414 398	—
urgent aircraft		—	—
lightning		—	—
reversed charge		—	—
subscription		—	—
fixed-time		—	—
broadcast transmissions (8)		—	—
collective		—	—
picture transmissions between private stations		—	—
Total	2 268 792	4 415 951	247 597
c) Number of préavis (including those not followed by calls)			
Number of avis d'appel (including those not followed by calls)	326 379	— ²⁾	—
Total	525 323	920 654	3 410
851 702	920 654	3 410	
3) International Traffic (outgoing, incoming and transit) (9):			
a) total number of chargeable minutes of conversation:			
i) during period of terminal traffic (outgoing and incoming) transit traffic (9)	63 717	797 820	—
ii) during period of terminal traffic (outgoing and incoming) transit traffic (9)	—	—	—
Total	63 717	797 820	—
b) Number of chargeable calls (regardless of duration) not including transit traffic:			
ordinary private (7)	8 952	159 071	—
urgent	—	—	—
urgent aircraft	—	—	—
lightning	—	—	—
reversed charge	—	—	—
subscription	—	—	—
fixed-time	—	—	—
broadcast transmissions (10)	46	—	—
collective	—	—	—
picture transmissions between private stations	—	—	—
Total	8 998	159 071	—
c) number of préavis and avis d'appel, not including transit traffic:			
number of préavis (including those not followed by calls)	—	— ²⁾	—
number of avis d'appel (including those not followed by calls)	—	—	—
Total	—	—	—
VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment (optional)	—	35 117 562 ³⁾	—
IX. Total gross income in gold francs of the internal and international telephone services	—	60 007 575 ³⁾	3 319 180

Telephone Statistics 1949

(Chapters VII—IX)

Ireland ¹⁾ E	Israel (State of) E	Italy		Japan E	Kenya, Tanganyika and Uganda E	Luxem- bourg E
		E ¹⁾	P ¹⁾			
57 397 000	50 104 730	—	1 690 000 000	3 766 456 008	20 521 630	— ¹⁾
5 173 000	195 192	—	43 848 696			—
62 570 000	50 299 922	—	1 690 000 000	3 810 304 704	20 521 630	
30 984 000 ³⁾	9 995 814	47 936 796	180 900 000	905 566 284	—	— ¹⁾
30 984 000	9 995 814	47 936 796	180 900 000	905 566 284	—	—
9 512 684	57 700 000	131 051 804	—	—	—	—
1 828 116	2 600 000	55 734 276	—	—	—	—
950 685	—	—	—	—	—	— ¹⁾
8 154 000 ⁴⁾	2 465 634	204 781	1 526 720	1 483 757	100	
—	—	216 704	1 763 892	—	—	—
8 154 000	2 465 634	12 712 970	60 300 000	190 076 692	1 483 757	100
—	—	1 156 845	6 300 000	—	—	—
—	—	1 156 845	6 300 000	—	64 057	
6 736 551	650 000	201 771	9 052	—	64 057	
1 098 351	—	—	—	—	—	—
4 125 000	30 491	7 834 902	650 000	201 771	9 052	2 687 897
—	—	—	—	—	—	—
1 879 650	—	—	—	—	501 148	
114 811	—	—	—	—	36 720	
9 907	—	—	—	—	263	
2 976	—	—	—	—	26	
641	—	—	—	—	85	
170	—	—	—	—	50	
971 000	4 095	2 008 155	—	201 955	1 992	502
—	—	—	—	—	—	—
269 428	—	—	—	—	15 706	
269 428	—	—	—	—	1 471	
10 523 103 ⁶⁾	—	19 924 043	—	—	105	17 177
11 781 179 ⁶⁾	8 854 407	33 607 065	—	—	6 730 000	3 813 641

Telephone Statistics 1949

(Chapters I—VI)

Statistical item	Macao E	Madagascar and Depen- dencies E	Malaya (Federation of) E
I. Population of country according to last census	200 000	4 150 000	5 160 000
II. Area of country in square kilometres	15,5	590 000	131 284
III. Number of exchanges in operation: (1)			
1) Automatic exchanges	1	—	87
2) Semi-automatic exchanges	—	—	—
3) Manual exchanges	1	15	115
Total number of exchanges	2	15	202
IV. Number of subscriber lines in operation: (2)			
1) Subscriber lines directly connected to automatic exchanges .	1 415	—	4 339
2) Subscriber lines directly connected to semi-automatic exchanges	—	—	—
3) Subscriber lines directly connected to manual exchanges . .	10	2 574	9 525
Total number of subscriber lines	1 425	2 574	13 864
V. Number of stations in operation:			
1) Private stations (including supplementary and service stations) (3)	1 425	4 926	20 257
2) Public stations (4)	—	193	187
Total number of stations	1 425	5 119	20 444
VI. Number of trunk and international circuits in operation:			
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together)	—	33 ¹⁾	713
2) Total number of international circuits (total of physical, phantom and carrier circuits added together)	4	—	—
3) Total length in kilometres of open wire circuits (internal and international): (5)	175	5 705	26 661
a) physical circuits	—	—	—
b) phantom circuits	—	—	—
c) carrier circuits	—	—	11 481
4) Total length in kilometres of overhead or underground cable circuits (internal and international)	178	—	—
a) two-wire physical circuits	—	—	—
b) four-wire physical circuits	—	—	—
c) phantom circuits (two or four-wire)	—	—	—
d) carrier circuits	—	—	—
5) Total length in kilometres of submarine cable circuits (internal and international) (6):	5	—	942
a) two-wire physical circuits	—	—	—
b) four-wire physical circuits	—	—	—
c) phantom circuits (two or four-wire)	—	—	—
d) carrier circuits	—	—	70

Telephone Statistics 1949

(Chapters I—VI)

Monaco (Princi- pality of) E	Morocco (French Pro- tectorate of) E	Mozambique E	Netherlands E	New Caledonia and Dependencies E	New Zealand ¹⁾ E	Norway 1946-1947 ¹⁾ E
19 242	8 993 000	5 090 294	10 025 679	61 000	1 851 000	3 123 338 ²⁾
4,5	—	771 125	32 391	19 000	—	322 599 ³⁾
1	4	—	668	—	26	204
—	4	—	—	—	—	5
1	508	33	742	56	330	3 281
2	516	33	1 410	56	356	3 490
2 000	17 593	—	407 367	—	100 564	151 054
—	3 382	—	—	—	—	126
300	11 249	2 672	63 276	1 071	56 371	98 444
2 300	32 224	2 672	470 643	1 071	156 935	249 624
4 674	46 913	3 068	689 717	1 575	319 290	373 904
9	516	252	2 695	69	3 467	5 471
4 683	47 429	3 320	692 412	1 644	322 757	379 375
—	519	155	14 008 ¹⁾	131	— ²⁾	3 804
86	40	4	271 ²⁾	—	—	57
—	46 613	1 541	9 730	6 800	60 768 ³⁾	89 737
—	10 320	—	333	750	23 092 ³⁾	22 250
—	40 350	180	205	—	71 518	107 177
44,8	10 645	—	357 845	—	—	—
21,6	2 340	—	127 774	—	—	60 429
—	5 939	—	23 240	—	—	4 540
—	1 072	—	211 984	—	—	18 910
—	—	—	—	—	—	298
—	—	—	225	—	848	6 232
—	—	—	—	—	—	570
—	—	—	7 800	—	2 930	252

Telephone Statistics 1949

(Chapters VII—IX)

Statistical item	Macao E	Madagascar and Depen- dencies E	Malaya (Federation of) E
VII. Traffic:			
1) Local traffic:			
a) number of calls (regardless of duration) from subscriber stations	—	12 051 331	62 000 000
b) number of calls (regardless of duration) from public stations	—	8 343	125 000
Total number of local calls	—	12 059 674	62 125 000
2) Trunk traffic:			
a) number of chargeable minutes of conversation			
i) during periods of heavy traffic	—	{ 1 269 306	{ 25 074 000
ii) during periods of light traffic	—		
Total	—	1 269 306	25 074 000
b) number of chargeable calls (regardless of duration):			
ordinary private (7)	—	423 102	
urgent	—	—	
urgent aircraft	—	—	
lightning	—	—	
reversed charge	—	—	
subscription	—	—	
fixed-time	—	—	
broadcast transmissions (8)	—	—	
collective	—	—	
picture transmissions between private stations	—	—	
Total	—	423 102	8 358 000
c) Number of préavis (including those not followed by calls)			
Number of avis d'appel (including those not followed by calls)	—	—	418 000
Total	—	42 615	—
42 615	—	42 615	418 000
3) International Traffic (outgoing, incoming and transit) (9):			
a) total number of chargeable minutes of conversation:			
i) during period of { terminal traffic (outgoing and incom- heavy traffic ing) transit traffic (9)	323 472	—	—
ii) during period of { terminal traffic (outgoing and incom- light traffic ing) transit traffic (9)	—	—	—
Total	323 472	—	—
b) Number of chargeable calls (regardless of duration) not including transit traffic:			
ordinary private (7)	61 717	—	—
urgent	12 641	—	—
urgent aircraft	—	—	—
lightning	—	—	—
reversed charge	—	—	—
subscription	—	—	—
fixed-time	—	—	—
broadcast transmissions (10)	—	—	—
collective	—	—	—
picture transmissions between private stations	—	—	—
Total	74 358	—	—
c) number of préavis and avis d'appel, not including transit traffic:			
number of préavis (including those not followed by calls)	—	—	—
number of avis d'appel (including those not followed by calls)	—	—	—
Total	—	—	—
VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment (optional)	—	—	7 046 781
IX. Total gross income in gold francs of the internal and international telephone services	38 522	— ²⁾	5 768 947

Telephone Statistics 1949

(Chapters VII—IX)

Monaco (Princi- pality of) E	Morocco (French Pro- tectorate of) E	Mozambique E	Netherlands E	New Caledonia and Dependencies E	New Zealand ¹⁾ E	Norway ^{1946-1947¹⁾ E}
1 326 660 32 850	25 870 197 1 301 640	3 571 804 9 160	{ 512 288 865	1 900 000 390 000	{ — ²⁾	{ 460 296 972
1 359 510	27 171 837	3 580 964	512 288 865	2 290 000	—	460 296 972
146 083 103 039	{ 12 643 959	—	—	{ 530 000	{ — ²⁾	{ 125 148 950 ⁴⁾
249 122	12 643 959	—	—	530 000	—	125 148 950
41 040 83	71 598	140 111 190 1 690 144	180 000 ¹⁾ 3 000	—	—	31 592 903 1 554 398
—	—	—	—	—	—	—
498 415	12 643 959	—	140 445	—	25 279 330	—
208	—	—	2 862	—	—	21 239 27 224 ⁵⁾
6	—	—	5 871	—	—	—
42 250	71 598	141 950 561	183 000	25 279 330	—	33 195 764
1 747	{ 67 380	—	82 887	—	—	{ 10 928 047
1 315	67 380	—	84 085	30	—	—
3 062	67 380	—	166 972	30	—	10 928 047
46 800	—	—	—	—	—	—
42 550	{ 484 135	—	10 401 573 ³⁾	158	{ 48 942	2 030 562 21 305 1 178 209 7 960
89 350	484 135	—	10 401 573	158	48 942	3 238 036
22 340	42 989	2 267 729 110 576	30	—	—	501 904 97 976
—	—	—	—	—	—	—
29 437	—	2 783 155	—	—	10 376	2 246 —
9	—	1 315 1 611	—	—	—	8 902 816 671 ⁶⁾
1 362	—	949	—	—	—	—
—	—	107	—	—	—	—
22 349	29 437	44 351	2 385 225 ⁴⁾	30	10 376	612 515
172	—	—	320 779	—	—	{ 404 265
205	—	—	532	—	—	—
377	—	—	321 311	—	—	404 265
—	—	—	— ⁵⁾	—	—	—
349 383	9 054 935	497 587	— ⁵⁾	43 108	— ⁴⁾	51 467 042 55 877 315

Telephone Statistics 1949

(Chapters I—VI)

Statistical item	Norway	
	1947-1948 ⁷⁾ E	1948-1949 ¹⁰⁾ E
I. Population of country according to last census	3 123 338 ²⁾	3 156 950
II. Area of country in square kilometres	322 599 ³⁾	324 222 ³⁾
III. Number of exchanges in operation: (1)		
1) Automatic exchanges	222	253
2) Semi-automatic exchanges	5	4
3) Manual exchanges	3 265	3 226
Total number of exchanges	3 492	3 483
IV. Number of subscriber lines in operation: (2)		
1) Subscriber lines directly connected to automatic exchanges .	158 332	165 333
2) Subscriber lines directly connected to semi-automatic exchanges	127	94
3) Subscriber lines directly connected to manual exchanges	104 208	109 425
Total number of subscriber lines	262 667	274 852
V. Number of stations in operation:		
1) Private stations (including supplementary and service stations) (3)	400 200	425 244
2) Public stations (4)	5 494	5 426
Total number of stations	405 694	430 670
VI. Number of trunk and international circuits in operation:		
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together)	4 053	4 271
2) Total number of international circuits (total of physical, phantom and carrier circuits added together)	60 ⁸⁾	66 ⁸⁾
3) Total length in kilometres of open wire circuits (internal and international): (5)		
a) physical circuits	100 912	102 040
b) phantom circuits	21 000	20 000
c) carrier circuits	113 480	119 347
4) Total length in kilometres of overhead or underground cable circuits (internal and international)		
a) two-wire physical circuits	60 151	60 876
b) four-wire physical circuits	5 200	5 936
c) phantom circuits (two or four-wire)	19 300	20 000
d) carrier circuits	473	473
5) Total length in kilometres of submarine cable circuits (internal and international) (6):		
a) two-wire physical circuits	7 232	7 223
b) four-wire physical circuits	1 026	1 026
c) phantom circuits (two or four wire)	—	—
d) carrier circuits	441	441

Telephone Statistics 1949

(Chapters I—VI)

Pakistan ¹⁾ E	Portugal		Portuguese Guinea E	Portuguese Indies E	Portuguese Timor E	Somaliland ¹⁾ E
	E	P				
80 000 000	7 722 152	7 722 152	371 104	600 000	427 297	900 000
580 000	91 721	91 721	36 125	3 983	18 990	500 000
27	30	5	—	—	—	—
—	17	29	1	—	—	—
84	715	109	1	1	20	16
111	762	143	2	1	20	16
8 860	7 377	39 347	—	—	—	—
—	389	409	136	—	—	—
5 510	22 716	26 440	20	134	151	542
14 370	30 482	66 196	156	134	151	542
17 530	37 635	92 364	159	148	170	573
141	1 609	1 070	3	4	65	9
17 671	39 244	93 434	162	152	235	582
391	3 059	1 088	2	—	17	16
34	22	—	1	—	2	—
61 956	33 250	4 767	89 670	—	782	491
10 143	9 936	82	—	—	—	42
39 982	74 584	134	—	—	—	—
77 065	13 476	8 951	—	—	—	—
824	122	245	—	—	—	—

Telephone Statistics 1949
(Chapters VII—IX)

Statistical item	Norway	
	1947-1948 ⁷⁾ E	1948-1949 ¹⁰⁾ E
VII. Traffic:		
1) Local traffic:		
a) number of calls (regardless of duration) from subscriber stations	469 665 077	470 553 504
b) number of calls (regardless of duration) from public stations	469 665 077	470 553 504
Total number of local calls	469 665 077	470 553 504
2) Trunk traffic:		
a) number of chargeable minutes of conversation		
i) during periods of heavy traffic	127 960 673 ⁴⁾	134 516 431 ⁴⁾
ii) during periods of light traffic		
Total	127 960 673	134 516 431
b) number of chargeable calls (regardless of duration):		
ordinary private (7)	32 383 699	33 793 658
urgent	1 122 392	1 013 596
urgent aircraft	—	—
lightning	—	—
reversed charge	—	—
subscription	19 018	19 314
fixed-time	30 345 ⁵⁾	30 550 ⁵⁾
broadcast transmissions (8)	—	—
collective	—	—
picture transmissions between private stations	—	—
Total	33 555 454	34 857 118
c) Number of préavis (including those not followed by calls)		
Number of avis d'appel (including those not followed by calls)	10 717 528	11 124 420
Total	10 717 528	11 124 420
3) International Traffic (outgoing, incoming and transit) (9):		
a) total number of chargeable minutes of conversation:		
i) during period of terminal traffic (outgoing and incoming) transit traffic (9)	2 277 222	2 620 608
heavy traffic	2 873	6 814
ii) during period of terminal traffic (outgoing and incoming) light traffic (9)	1 172 268	1 247 893
light traffic	518	49
Total	3 452 881	3 875 364
b) Number of chargeable calls (regardless of duration) not including transit traffic:		
ordinary private (7)	557 678	640 001
urgent	91 695	82 440
urgent aircraft	—	—
lightning	1 514	970
reversed charge	—	—
subscription	7 229	5 856
fixed-time	970	721
broadcast transmissions (10)	762 ⁹⁾	932 ¹¹⁾
collective	—	—
picture transmissions between private stations	—	—
Total	659 848	730 920
c) number of préavis and avis d'appel, not including transit traffic:		
number of préavis (including those not followed by calls)	416 852	456 679
number of avis d'appel (including those not followed by calls)	416 852	456 679
Total	416 852	456 679
VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment (optional)	—	58 470 342
IX. Total gross income in gold francs of the internal and international telephone services	56 331 000	59 368 267

Telephone Statistics 1949
(Chapters VII—IX)

Pakistan ¹⁾ E	Portugal		Portuguese Guinea E	Portuguese Indies E	Portuguese Timor E	Somaliland ¹⁾ E
	E	P				
— ²⁾	19 870 800	110 508 300 7 404 000	195 078 587	108 628 9 421	63 663 93	863 000 6 935
—	19 870 800	117 912 300	195 665	118 049	63 756	869 935
— ²⁾	31 573 000 10 135 000	—	—	—	68 003	103 660 29 565
—	41 708 000	—	—	—	68 003	133 225
539 702 120 747	8 810 392 271 471	14 157 011	620	—	22 691	143 833
—	—	—	—	—	—	—
—	—	—	—	—	—	—
—	21 803	—	—	—	—	—
660 449	9 103 666 ¹⁾	14 157 011	620	—	22 691	143 833
— ²⁾	50 280	—	34	—	—	—
—	459 529	—	—	—	1 825	—
—	509 809	—	34	—	1 825	—
842 255	—	—	111	—	—	—
— ²⁾	326 572	—	—	—	—	—
—	1 168 827	—	111	—	—	—
171 828 12 013	—	—	36	—	—	—
—	—	—	—	—	—	—
15 313 362 4 922	—	—	—	—	—	—
202 126	—	—	—	—	—	—
202 126	189 453	—	36	—	—	—
— ²⁾	15 154	—	42	—	—	—
—	1 825	—	—	—	—	—
—	16 979	—	42	—	—	—
— ³⁾	9 707 780	—	—	6 340 ¹⁾	178 348 ^{1,2)}	90 916
— ³⁾	11 301 130	—	10 915	4 172	90 063 ^{1,2)}	25 547

Telephone Statistics 1949
(Chapters I—VI)

Sstatistical item	Southern Rhodesia E	Spain P
I. Population of country according to last census	2 031 730	28 022 773
II. Area of country in square kilometres	388 500	503 061
III. Number of exchanges in operation : (1)		
1) Automatic exchanges	7	54
2) Semi-automatic exchanges	—	—
3) Manual exchanges	119	3 504
Total number of exchanges	126	3 558
IV. Number of subscriber lines in operation : (2)		
1) Subscriber lines directly connected to automatic exchanges .	8 638	273 936
2) Subscriber lines directly connected to semi-automatic exchanges	—	—
3) Subscriber lines directly connected to manual exchanges . .	3 901	119 679
Total number of subscriber lines	12 539	393 615
V. Number of stations in operation :		
1) Private stations (including supplementary and service stations) (3)	20 147	582 693
2) Public stations (4)	325	9 255
Total number of stations	20 472	591 948
VI. Number of trunk and international circuits in operation :		
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together)	111	5 102
2) Total number of international circuits (total of physical, phantom and carrier circuits added together)	13	64
3) Total length in kilometres of open-wire circuits (internal and international): (5)		
a) physical circuits	31 561	150 668 ¹⁾
b) phantom circuits	233	44 043
c) carrier circuits	8 904	152 233
d) Total length in kilometres of overhead or underground cable circuits (internal and international)		
a) two-wire physical circuits	—	2 750
b) four-wire physical circuits	—	88 788
c) phantom circuits (two or four-wire)	—	42 404
d) carrier circuits	—	—
e) Total length in kilometres of submarine cable circuits (internal and international) (6):		
a) two-wire physical circuits	—	74
b) four-wire physical circuits	—	—
c) phantom circuits (two or four wire)	—	—
d) carrier circuits	—	—

Telephone Statistics 1949
(Chapters I—VI)

St. Pierre and Miquelon P ¹⁾	St. Thome and Principe E	Surinam E	Sweden ¹⁾ E	Switzerland E	Togoland (Territory under French Trusteeship) E	Tunisia E
4 054	60 490	216 124	6 986 181 ²⁾	4 630 000	972 000	3 230 952
240	964	142 820	449 165	41 295	53 000	125 180
—	—	—	1 554	845	—	2
—	—	—	404	—	—	11
1	11	4	5 323	91	13	199
1	11	4	7 281	936	13	212
—	—	—	743 487	515 054	—	8 734
—	—	—	4 416	—	—	138
100	134	1 038	493 428	22 560	247	7 590
100	134	1 038	1 241 331	537 614	247	16 462
155	166	1 701	1 493 615	838 396	451	24 262
—	14	9	12 217	7 075	17	433
155	180	1 710	1 505 832 ³⁾	845 471	468	24 695
—	11	8	56 609 ⁴⁾	18 692	17	507
—	—	—	166	381 ¹⁾	1	33
—	430	745	322 057 ⁵⁾	551 514 ²⁾	1 086	25 902
—	—	—	106 167	135 934 ²⁾	—	8 621
—	—	—	30 189	—	—	12 272
—	—	5 500	669 060	— ³⁾	—	688
—	—	—	118 228	— ³⁾	—	768
—	—	—	292 681	—	—	—
—	—	—	249 966	50 242	—	300
—	—	37	10 822	146	—	—
—	—	—	3 004	—	—	—
—	—	—	3 289	—	—	—
—	—	—	4 205	—	—	—

Telephone Statistics 1949

(Chapters VII—IX)

Statistical item	Southern Rhodesia E	Spain P
VII. Traffic:		
1) Local traffic:		
a) number of calls (regardless of duration) from subscriber stations	20 916 380	
b) number of calls (regardless of duration) from public stations	587 432	
Total number of local calls	21 503 812	1 147 000 000
2) Trunk traffic:		
a) number of chargeable minutes of conversation		
i) during periods of heavy traffic	5 596 188	
ii) during periods of light traffic	722 176	
Total	6 318 364	—
b) number of chargeable calls (regardless of duration):		
ordinary private (7)	1 842 876	
urgent	15 444	
urgent aircraft	—	
lightning	—	
reversed charge	1 926	
subscription	—	
fixed-time	46 020	
broadcast transmissions (8)	1 820	
collective	—	
picture transmissions between private stations	—	
Total	1 908 086	50 112 611
c) Number of préavis (including those not followed by calls)		
Number of avis d'appel (including those not followed by calls)	92 560	
Total	832	2 170 076
93 392	2 170 076	
3) International Traffic (outgoing, incoming and transit) (9):		
a) total number of chargeable minutes of conversation:		
i) during period of terminal traffic (outgoing and incoming) transit traffic (9)	299 884	3 960 849
ii) during period of terminal traffic (outgoing and incoming) transit traffic (9)	10 556	235 207
Total	186 836	332 109
	20 332	10 138
	517 608	4 538 303
b) Number of chargeable calls (regardless of duration) not including transit traffic:		
ordinary private (7)	36 140	729 234
urgent	—	13 959
urgent aircraft	—	—
lightning	—	—
reversed charge	—	3 094
subscription	—	900
fixed-time	—	387
broadcast transmissions (10)	—	31
collective	—	—
picture transmissions between private stations	—	—
Total	36 140	747 605
c) number of préavis and avis d'appel, not including transit traffic:		
number of préavis (including those not followed by calls)	26 988	56 668
number of avis d'appel (including those not followed by calls)	41 236	21 486
Total	68 224	78 154
	—	111 599 863²⁾
	—	154 875 672²⁾
VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment (optional)		
IX. Total gross income in gold francs of the internal and international telephone services		

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St. Pierre and Miquelon P ¹⁾	St. Thome and Principe E	Surinam E	Sweden ¹⁾ E	Switzerland E	Togoland (Territory under French Trusteeship) E	Tunisia E
—	133 471	1 800 000	1 882 255 200 ⁶⁾	364 387 900 ⁴⁾	196 730 210	13 412 592
—	133 471	1 800 000	1 882 255 200	364 387 900	196 940	13 412 592
—	—	80 000	564 708 000 ⁷⁾	623 266 386 141 550 167	513 100 256 550	— ¹⁾
—	—	80 000	564 708 000	764 816 553	769 650	—
—	2 719	—	101 123 070 3 153 986	254 925 543 ⁵⁾ 11 774 ⁵⁾	256 550	3 975 200
—	—	—	— ⁴⁾	— ⁶⁾	—	—
—	70 325	—	2 387	— ⁶⁾	—	—
—	—	—	376 971	550 ⁵⁾	—	—
—	—	5 400	— ⁸⁾ — ⁹⁾	425 ⁷⁾ 984	—	—
—	—	—	— ¹⁰⁾	—	—	—
—	73 044	5 400	104 656 414	254 939 276	256 550	3 975 200
—	—	—	24 492 000	— ⁶⁾	1 170	—
—	483	—	24 492 000	—	7 700	48 581
—	483	—	10 828 665	23 107 581	8 870	48 581
—	—	—	—	—	—	—
—	—	—	7 731 863 — ¹¹⁾	21 612 315 1 495 266 ⁸⁾	7 460	—
—	—	—	3 096 802 — ¹¹⁾	—	3 730	915 834
—	—	—	1 200	817	—	—
—	—	—	— ¹⁰⁾	19 494 ⁵⁾	—	—
—	—	1 200	1 720 275	7 204 105	3 730	205 078
—	—	—	862 958	535 022 18 735 ¹⁰⁾	60 130	7 812
—	—	—	862 958	553 757	190	7 812
—	—	—	242 797 000 ¹²⁾ ¹³⁾	117 141 149	—	—
—	10 078	300 000	274 007 000 ¹³⁾	168 256 372	116 200	4 084 912

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(Chapters I—VI)

Statistical item	Turkey E	Union of South Africa ¹⁾ E	United King- dom of Great Britain and Northern Ireland ¹⁾ E
I. Population of country according to last census	18 859 722	12 108 000	50 519 000
II. Area of country in square kilometres	772 340	1 222 265	—
III. Number of exchanges in operation: (1)			
1) Automatic exchanges	17	67	4 091
2) Semi-automatic exchanges	15	—	—
3) Manual exchanges	84	1 741	1 775
Total number of exchanges	116	1 808	5 866
IV. Number of subscriber lines in operation: (2)			
1) Subscriber lines directly connected to automatic exchanges	34 026	169 762	2 072 768
2) Subscriber lines directly connected to semi-automatic exchanges	3 228	—	—
3) Subscriber lines directly connected to manual exchanges	4 388	68 877	959 346
Total number of subscriber lines	41 642	238 639	3 032 114
V. Number of stations in operation:			
1) Private stations (including supplementary and service stations) (3)	12 435	345 312	5 066 226
2) Public stations (4)	325	9 147	56 143
Total number of stations	12 760	354 459	5 122 369
VI. Number of trunk and international circuits in operation:			
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together)	334	3 223	—
2) Total number of international circuits (total of physical, phantom and carrier circuits added together)	8	12	—
3) Total length in kilometres of open-wire circuits (internal and international): (5)	17 567	138 677	—
a) physical circuits	—	17 008	—
b) phantom circuits	23 080	161 000	—
c) carrier circuits	—	—	—
4) Total length in kilometres of overhead or underground cable circuits (internal and international)	48,8	9 657	—
a) two-wire physical circuits	—	2 415	—
b) four-wire physical circuits	—	998	—
c) phantom circuits (two or four-wire)	—	—	—
d) carrier circuits	—	—	—
5) Total length in kilometres of submarine cable circuits (internal and international) (6):	25,2	—	—
a) two-wire physical circuits	—	—	—
b) four-wire physical circuits	—	—	—
c) phantom circuits (two or four-wire)	—	—	—
d) carrier circuits	90,2	—	—

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United States of America ¹⁾ P	United States of Indonesia (Republic of) E	Uruguay E					
150 000 000 ²⁾	70 000 000	2 368 968	—	—	—	—	—
7 834 000 ³⁾	1 904 345 ¹⁾	187 000	—	—	—	—	—
{ 6 400	—	10	—	—	—	—	—
13 400	250	280	—	—	—	—	—
19 800 ⁴⁾	250	290	—	—	—	—	—
— ⁵⁾	—	44 984	—	—	—	—	—
— ⁵⁾	—	—	—	—	—	—	—
— ⁵⁾	26 861	20 861	—	—	—	—	—
—	26 861	65 845	—	—	—	—	—
{ 40 665 000 ⁶⁾	35 573	84 100	—	—	—	—	—
177	—	—	—	—	—	—	—
40 665 000	35 750	84 100	—	—	—	—	—
— ⁵⁾	—	—	—	—	—	—	—
9 200	17 112	—	—	—	—	—	—
227	4 151	—	—	—	—	—	—
1 038	5 801	—	—	—	—	—	—
— ⁵⁾	—	—	—	—	—	—	—
1 506	90	—	—	—	—	—	—
— ⁵⁾	—	—	—	—	—	—	—
19	1	—	—	—	—	—	—

Telephone Statistics 1949

(Chapters VII—IX)

Statistical item	Turkey E	Union of South Africa ¹⁾ E	United King- dom of Great Britain and Northern Ireland ¹⁾ E
VII. Traffic:			
1) Local traffic:			
a) number of calls (regardless of duration) from subscriber stations	65 866 022	441 556 559	{ 2 940 000 000
b) number of calls (regardless of duration) from public stations	2 275 585	25 078 913	
Total number of local calls	68 141 607	466 635 472	2 940 000 000
2) Trunk traffic:			
a) number of chargeable minutes of conversation			
i) during periods of heavy traffic	5 267 863	94 879 088	—
ii) during periods of light traffic	2 175 001	16 891 977	—
Total	7 442 864	111 771 065	—
b) number of chargeable calls (regardless of duration):			
ordinary private (7)	1 792 100		235 000 000
urgent	355 522		—
urgent aircraft	—		—
lightning	—		—
reversed charge	—		—
subscription	—		—
fixed-time	—		—
broadcast transmissions (8)	—		—
collective	—		—
picture transmissions between private stations	—		—
Total	2 147 622	33 172 174	235 000 000
c) Number of préavis (including those not followed by calls)	122 990	—	—
Number of avis d'appel (including those not followed by calls)	122 990	—	—
Total	122 990	—	—
3) International Traffic (outgoing, incoming and transit) (9):			
a) total number of chargeable minutes of conversation:			
i) during period of { terminal traffic (outgoing and incom- heavy traffic { ing) transit traffic (9)	160 864	—	14 925 465
ii) during period of { terminal traffic (outgoing and incom- light traffic { ing) transit traffic (9)	36 108	—	203 560
Total	196 992	—	15 129 025
b) Number of chargeable calls (regardless of duration) not including transit traffic:			
ordinary private (7)	183 962		2 177 112
urgent	10 168		—
urgent aircraft	—		—
lightning	—		—
reversed charge	—		—
subscription	—		—
fixed-time	—		—
broadcast transmissions (10)	—		—
collective	—		—
picture transmissions between private stations	—		—
Total	194 315	17 893	2 203 890
c) number of préavis and avis d'appel, not including transit traffic:			
number of préavis (including those not followed by calls)	2 645	—	884 505
number of avis d'appel (including those not followed by calls)	17	—	—
Total	2 662	—	884 505
VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment (optional)			
—	68 199 508	635 900 000 ²⁾	
IX. Total gross income in gold francs of the internal and international telephone services			
—	75 719 260	705 700 000 ²⁾	

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(Chapters VII—IX)

United States of America ¹⁾ P	United States of Indonesia (Republic of) E	Uruguay E				
{ 50 800 000 000 ⁷⁾	{ 50 000 000	{ 255 497 810				
50 800 000 000	50 000 000	255 497 810				
— ⁸⁾	{ 4 160 961 ²⁾	—				
—	4 160 961	—				
{ 2 050 000 000 ⁹⁾ ¹⁰⁾	446 986					
	249 540					
	24 214					
— ¹¹⁾	—	3 238 280				
— ⁸⁾	—	—				
2 050 000 000 ⁹⁾	720 740	3 238 280				
— ¹¹⁾	376 819	—				
—	376 819	—				
— ⁸⁾	—	—				
—	118 591	—				
	26	—				
—	118 617	—				
	22 757					
	—					
	—	764 866				
	2					
	5					
—	22 764	764 866				
— ¹²⁾	672	—				
—	672	—				
— ¹³⁾	20 086 196	—				
— ¹³⁾	15 799 147	—				

Telephone Statistics 1949

Remarks

Angola — ¹⁾ Of which 8950 km. are used both for telegraphy and telephony. — ²⁾ Conversion carried out on the basis of 1 gold franc equals 10 angolares.

Australia (Commonwealth of) — ¹⁾ Period from 1 July 1948 to 30 June 1949. — ²⁾ This information is not available in detailed form. The total length of circuits in aerial, underground and submarine cables is included in the figures given under VI.3. — ³⁾ In cities and towns all calls connected from point to point within the city or town are classed as local calls. In country districts, all calls connected to a point within a 5-mile radius are also classed as local calls. Both classes of calls have therefore been included under the heading Local Traffic. — ⁴⁾ This information is not available. — ⁵⁾ The figures shown under this heading relate to trunk or long-distance calls. — ⁶⁾ Statistics are not available in this detailed form, no provision being made by this administration for urgent, lightning, or subscription calls. Fixed-time, préavis, and avis d'appel calls are accepted, but separate statistics are not kept, therefore the totals under "ordinary" include such calls. — ⁷⁾ Similar remarks apply as in the case of note ⁶⁾, with the exception that in effect every call is a préavis call, although no special fee is charged for this facility.

Belgian Congo and Territories of Ruanda-Urundi — ¹⁾ Including 35,135 minutes of radiotelephone conversation. — ²⁾ Including 3,950 radiotelephone calls. — ³⁾ Including 34,383 minutes of radiotelephone calls. — ⁴⁾ The expenses of the telephone service are not separate from those of the telegraph service. — ⁵⁾ This population is made up as follows: Belgian Congo: Whites: 43,176; Blacks: 11,073,311. Territories of Ruanda-Urundi: Whites: 6,659; Blacks: 3,808,191. — ⁶⁾ Including 34,479 minutes of radiotelephone calls. — ⁷⁾ Including 4,130 radiotelephone calls. — ⁸⁾ Including 26,355 minutes of radiotelephone calls.

Belgium — ¹⁾ Autonomous system. — ²⁾ This information cannot be provided. — ³⁾ The various categories of calls cannot be enumerated. — ⁴⁾ Income and expenditure are calculated on the basis of the new exchange rate for the gold franc: 1 gold franc equals 16.33 paper francs.

Cameroon (Territory under French Trusteeship) — ¹⁾ If Cameroon only has 3 physical circuits, users can nevertheless telephone through the telegraph network, which, with a total length of 2,374 km., has 4,643 km. of overhead wires.

Cape Verde Islands — ¹⁾ Common P. T. T. service. — ²⁾ Conversion carried out on the basis of 1 gold franc equals 11 Portuguese escudos.

Ceylon — ¹⁾ These figures are valid for the period between 1 October 1948 to 30 September 1949.

Denmark — ¹⁾ Period from 1 April 1949 to 31 March 1950. — ²⁾ Not including Greenland or the Faroes. — ³⁾ Including 79 manual exchanges and 33 automatic exchanges of the State local telephone networks. — ⁴⁾ To this may be added 20,359,000 chargeable minutes of calls without distinction between periods of light and heavy traffic exchanged in the local State telephone network at Soenderjylland. — ⁵⁾ During the period from 1 January to 18 September 1949, the average rate of exchange for the Danish crown was 0.64 gold francs, and during the period from 19 September to 31 December 1949, 0.44 gold francs. — ⁶⁾ Expenses amounted to 116,993,092 Danish crowns. — ⁷⁾ Income amounted to 131,901,340 Danish crowns.

Egypt — ¹⁾ Period from 1 May 1948 to 28 February 1949. — ²⁾ Namely: 140,943,300 calls manually set up and 376,328,931 automatically set up. — ³⁾ Period from 1 January 1948 to 31 December 1948. — ⁴⁾ The total of chargeable minutes of calls for trunk traffic and international traffic amounts to 648,225.

Finland — ¹⁾ Telephone networks in Finland are operated by the State, and also by 677 private concerns. Income of the State telephone service in 1949 amounted to 1,467,716,442 Finnish marks, and expenses to 1,269,840,009 Finnish marks. Since the private concerns cannot indicate their income and expenditure, figures showing income and expenditure for the telephone service as a whole cannot be given.

France — ¹⁾ The automatic exchanges which were destroyed and temporarily replaced by manual ones are counted among the manual exchanges. — ²⁾ Unit automatic exchanges. — ³⁾ Local calls and calls registered at the meters (in basic rate). — ⁴⁾ Calls registered by ticket. — ⁵⁾ Conversion factor: 87.

French Equatorial Africa — ¹⁾ Under a) are given particulars of subscriptions. — ²⁾ Communications between Brazzaville and Leopoldville (Belgian Congo) are considered as trunk traffic (special arrangement). — ³⁾ The expenses for the telephone service are not separate from those of the telegraph service.

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French Settlements in Oceania — ¹⁾ This figure was arrived at by daily metering carried out during the year. Local calls are not individually charged for, the subscription system being in force in the French Settlements in Oceania.

French Somaliland — ¹⁾ Since only the subscription system is in force, the number of calls—all of them local—has been assessed by metering carried out at various times, both on working days and on public holidays.

French West Africa — ¹⁾ Radiotelephone circuits Dakar-Paris and Bamako-Paris.

Germany (American, British and French Zones) — ¹⁾ Period from 1 April 1949 to 31 March 1950. — ²⁾ This information is not yet available. — ³⁾ This information is not available in such detailed form. — ⁴⁾ This information is not available.

Greece — ¹⁾ Census of 1940. — ²⁾ There are 4 radiotelephone circuits. — ³⁾ Calls registered at the meters. — ⁴⁾ Urgent and lightning calls; the urgent-aircraft call service does not exist.

India — ¹⁾ Period from 1 April 1948 to 31 March 1949. — ²⁾ This information is not available. — ³⁾ The income and expenditure of a small private telephone network are not included in these figures.

Ireland — ¹⁾ Period from 1 April 1949 to 31 March 1950. — ²⁾ Including 39 circuits connecting this administration with that of the Six Counties of Northern Ireland. — ³⁾ No statistics available to show separate figures for each heading. — ⁴⁾ This figure is the gross total of ordinary calls, fixed-time calls, and personal calls (the only classes of service admitted by this administration). Separate figures for each of the three classes are not available. — ⁵⁾ This figure represents outgoing calls only: the record of incoming calls ceased in April 1941. — ⁶⁾ Estimated figures—conversion rate £ 1 = 8.57 gold francs.

Israel (State of) — ¹⁾ At the end of 1949, there were three international radiophone circuits in service. — ²⁾ Concerns only internal circuits; the international circuits are operated by radiophone.

Italy — ¹⁾ Period from 1 July 1948 to 30 June 1949.

Japan — ¹⁾ 17,694 public lines and 350 private lines. — ²⁾ 5 radio circuits and 2 wire. — ³⁾ Including reserve circuits. — ⁴⁾ Programme relay service.

Luxembourg — ¹⁾ Local and trunk calls cannot be distinguished. In the domestic service, the total number of chargeable units of call (3 minutes) was 14,927,677.

Madagascar and Dependencies — ¹⁾ Only physical circuits permanently operated by telephony have been shown. There is a shortage of conduits in Madagascar, so that at certain times of day certain telegraph lines are operated by telephone; on single wires the circuit is made by earth. — ²⁾ Income for the inland telephone service amounted to 29,442,724 Madagascan francs (CFA).

Netherlands — ¹⁾ Of which 10,655 are automatic circuits. — ²⁾ Of which 10 are automatic circuits. — ³⁾ This total does not include the chargeable minutes of incoming traffic from Belgium and the United Kingdom of Great Britain and Northern Ireland. — ⁴⁾ This total does not include the number of calls exchanged since 11 February 1949 in the semi-automatic traffic between Antwerp and Rotterdam, which is estimated at 75,000 for the year 1949. — ⁵⁾ Information regarding income and expenditure for 1949 cannot yet be given. During 1948, expenditure amounted to 89,249,874 gold francs, and income to 126,338,180 gold francs.

New Caledonia and Dependencies — ¹⁾ Only trunk calls are charged for.

New Zealand — ¹⁾ Period from 1 April 1948 to 31 March 1949. — ²⁾ This information is not available. — ³⁾ Figures based on an estimate. — ⁴⁾ Income amounted to 4,243,604 New Zealand pounds.

Norway — ¹⁾ Period from 1 July 1946 to 30 June 1947. — ²⁾ Census of 3 December 1946. — ³⁾ Not including Spitzbergen. — ⁴⁾ In the domestic trunk traffic there is no distinction made between periods of light and heavy traffic. — ⁵⁾ Press calls. Between 2000 and 0900 hours rates for calls asked for by the press are cut by 50%. — ⁶⁾ Including 340 calls connected with broadcasting. — ⁷⁾ Period from 1 July 1947 to 30 June 1948. — ⁸⁾ Including 1 radiophone circuit. — ⁹⁾ Including 385 calls connected with broadcasting. — ¹⁰⁾ Period from 1 July 1948 to 30 June 1949. — ¹¹⁾ Including 458 calls connected with broadcasting.

Pakistan — ¹⁾ Period from 1 April 1949 to 31 March 1950. — ²⁾ This information is not available. — ³⁾ This information cannot yet be supplied.

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Portugal — ¹⁾ The number of official calls amounted to 152,450.

Portuguese Indies — ¹⁾ The expenses relative to P. T. T. staff are common to the P. T. T. services.

Portuguese Timor — ¹⁾ Income and expenditure are common to the P. T. T. services. — ²⁾ Conversion factor: 1 gold franc equals 1.60 pataca.

Somaliland — ¹⁾ The figures given below do not include those of the Government telephone service.

Spain — ¹⁾ There are, in addition, 43,388 km. of radiophone circuits (including trans-Atlantic circuits). — ²⁾ Calculated at the official rate of 3.70 pesetas for 1 gold franc.

St. Pierre and Miquelon — ¹⁾ The telephone network of the Territory belonged until 31 December 1949 to a private concern. It was purchased by the Administration as from 1 January 1950.

Sweden — ¹⁾ Period from 1 July 1948 to 30 June 1949. — ²⁾ Census of 31 December 1949. — ³⁾ In addition, there are a few private telephone networks with a total of 2,077 posts. On 31 December 1949, the telephone network of the Swedish Administration included 1,591,473 posts, and the private telephone networks 2,049. — ⁴⁾ Including the circuits allotted to suburban calls and trunk calls which are not subject to a special charge. Not including reserve circuits, however. — ⁵⁾ Including the length of short-distance phantom circuits carried in cables. — ⁶⁾ Local calls are charged for on a subscription basis, so that there is no charge per call. The figure given also includes suburban calls and short-distance trunk calls subject to the same rules relative to charging. — ⁷⁾ Figure obtained by multiplying the number of unit charges by three. The charges for préavis could not be transformed into minutes, since in the Swedish domestic service these charges do not constitute a definite fraction of the unit charge. If urgent, lightning, calls etc., be counted as ordinary calls, then the number of chargeable minutes amounts to 546,293,800. Some 26.9% of the calls were passed during periods when traffic was light (0700 to 0900 and 1800 to 2100 hours). — ⁸⁾ These calls are considered as urgent ones, and are not counted separately. Hence they are included in the figures relative to urgent calls. — ⁹⁾ No information available. — ¹⁰⁾ Transmissions of images are not counted separately. Ordinary transmissions of images, and transmissions by subscription, are consequently included in the figure relative to ordinary calls, and urgent transmissions of images are included in that relative to urgent calls. — ¹¹⁾ There is no sufficiently detailed information in regard to transit telephone traffic. The total number of such calls was 71,272, of which some 16,100 were put through with the help of Swedish offices. — ¹²⁾ Of which some 44,941,000 gold francs paid into the account for depreciation of equipment. The expenses do not include any interest on capital invested by the State. — ¹³⁾ Conversion carried out on the basis of 1 gold franc equals 1.176 Swedish crowns.

Switzerland — ¹⁾ In this figure are included 12 radiophone circuits. — ²⁾ Overhead and underground circuits. — ³⁾ See note ²⁾. — ⁴⁾ These calls are not counted separately. — ⁵⁾ Unit calls of three minutes. — ⁶⁾ Calls not admitted. — ⁷⁾ This traffic is not included in the total number of minutes of chargeable calls. — ⁸⁾ Direct and indirect transit traffic; transit traffic exchanged through the actual intervention of Swiss terminal exchanges is not separately noted; this traffic makes up some 26.8% of the total transit traffic. — ⁹⁾ Not including the daily transmissions from Germany, France and Italy for wire relay. — ¹⁰⁾ Service admitted only in Swiss outgoing traffic.

Tunisia — ¹⁾ Cannot be broken down into detail; the total number of three-minute unit charges was 5,336,476.

Union of South Africa — ¹⁾ Period from 1 April 1948 to 31 March 1949.

United Kingdom of Great Britain and Northern Ireland — ¹⁾ Period from 1 April 1949 to 31 March 1950. — ²⁾ Conversion carried out on the basis of 1 pound equal to 8.5708 gold francs.

United States of America — ¹⁾ The statistics include all telephone systems in the United States and are partly estimated. — ²⁾ Population estimated as of December 31, 1949. — ³⁾ Gross area (land and water) of continental United States. This figure was converted from square miles into square kilometres at a ratio of 1 mile = 1.61 kilometres. — ⁴⁾ This figure does not include private branch exchanges nor does it represent the number of cities, towns and villages connected to the telephone system; the lines of the Bell Telephone System and connecting lines and systems reach more than 75,000 communities in the United States. — ⁵⁾ No statistics are available regarding the number of exchange lines or the number and length of interurban and international circuits in service. There was a total of about 237,153,000 kilometres of physical wire (conductors—not circuits) of all kinds (urban, interurban and international) in service in the United States on December 31, 1949, of which about 218,200,000 kilometres were in

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cable. These figures were converted from miles into kilometres at a ratio of 1 mile = 1.61 kilometres. — ⁶) No statistics are available as to the total number of public telephones except that the Bell Telephone System alone has about 337,000 such telephones in the United States. — ⁷) Includes only completed (i.e., effective) conversations. Owing to the differences in the sizes of local telephone areas, these statistics showing division between local and toll (trunk) conversations may not be comparable to statistics as to local and toll conversations in other countries. — ⁸) No statistics are available. — ⁹) Includes only completed (i.e., effective) conversations. Owing to the differences in the sizes of local telephone areas, these statistics showing division between local and toll (trunk) conversations may not be comparable to statistics as to local and toll conversations in other countries. Each conversation has been counted only once, regardless of its duration. Conversations over toll lines leased to the public are not included. — ¹⁰) No distinction is made in the United States between "ordinary", "urgent" and "lightning" toll conversations. During 1949, 94% of all long distance calls in the Bell Telephone System were handled without the person making the call hanging up the telephone. — ¹¹) No separate statistics are available. Data are included in the figure for total number of toll conversations. — ¹²) No separate statistics are available covering telephone traffic between the United States and other countries. The figure shown above for total toll conversations includes all international telephone messages originating in the United States. — ¹³) No financial statistics are available for the entire telephone industry in the United States.

United States of Indonesia (Republic of) — ¹) This total refers to the whole territory of the former Netherlands Indies, including the territory of Irian (Dutch New Guinea), the future of which is still being discussed between states. — ²) The total of minutes and calls has been compiled from the calls completed in internal trunk and inter-island long-distance radiotelephone traffic.