receptor sqns (under ADCOM, see p. 5); 29 ter sqns (11 with 283 F-100C/D, 2 with 40 F-4C, 11 with 256 A-7, 2 149 A-37B); 8 recce sqns (1 with 20 RF-101, 135 RF-4C); 19 tac tpt sqns (18 with C-130A/B/C, 1 with 16 C-7); 1 ice system evaluation sqn with 20 EB-57B; & sqns with 8 HC-130.

Reserve Reserve: 47,400; about 190 combat

I sqns with 69 F-105D; 4 attack sqns with -37B; 17 tac tpt sqns (11 with 121 C-130 4 with 63 C-123K, 2 with 31 C-7); 1 AEW with 10 EC-121 (ADCOM), 3 tanker sqns 24 KC-135; 2 special operations sqns with -37B; 17 tac tpt sqns (11 with 121 C-130, 7 CH-3; 4 SAR sqns (2 with 13 30, 2 with 20 HH-3E, HH-1H); 1 weather sqn with 4 WC-130. 18 Reserve Associate

Reserve Air Fleet: 220 long-range cial ac (124 cargo/convertible, 96 pas-

IN
id MRBM: some 690 deployed (most in Ti USSR, rest east of Urals).
5 Sow IRBM.
-20 IRBM (mobile).
-4 Sandal MRBM.
ange Air Force (LRAF): 756 combat
ge bombers: 135.
95 Bear A.
r4 Bison.
ange bombers: 491.
16 Badger with ASM.
22 Blind with ASM.
Backfire B with ASM.
me 750,000 uniformed civilians.
f: Notes: official exchange rate 1977, les. of nuclear delivery vehicles and notes id types under construction and test are 1 on pp. 80-86.
lunchers are not considered strategic the terms of the Strategic Arms Limita-
Agreement.
1 PVO-Strany, separate services, have power.
ent based in the European USSR, most Br in the Far East; there are also staging joints in the Arctic.

Tankers: 53.
9 Tu-16 Badger.
44 Mya-4 Bison.
ECM: 94.
94 Tu-16 Badger.
Recce: 36.
4 Tu-95 Bear.
22 Tu-16 Badger.
10 Tu-22 Blinder.

DEFENSIVE:
Air Defence Force (PVO-Strany): 550,000;jl early warning and control systems, with, 6,000 early warning and ground control intercept radars; interceptor sqns with SAM units.

Aircraft: about 2,720.
Airborne Warning and Control Aircraft: 12 modified Tu-126 Moss.

ABM: 64 AMB-1 Galosh, 4 sites around Moscow, with Try Add engagement radars. Target acquisition and tracking by phased-array Dog House and Cat House, early warning by phased-array Hen House radar on Soviet borders. Range of Galosh believed over 200 miles; warheads nuclear, presumably MT range.

SAM: Fixed-site Systems: some 10,000 launchers, at over 1,000 sites. SA-1 Guild, SA-2 Guideline, SA-3 Goa, SA-5 Gammon,

Army: 1,825,000.
46 tk divs.
115 motor rifle divs.
8 AB divs

Tanks: 50,000 IS-2/-3, T-10, T-10M hy, T-54/-55/-62/-64/-72 med and PT-76 It (most tks fitted for deep wading).

AFV: 55,000 BRDM scout cars; BMP MICV; BTR-40/-50/-60/-152, MT-LB, BMD APC.

Artillery: 20,000 100mm, 122mm, 130mm, 152mm, 180mm and 203mm fd guns/how, 122mm, 152mm SP guns; 7,200 82mm, 120mm, 160mm and 240mm mor; 2,700 122mm, 140mm and 240mm multiple RL; 10,800 ASU-57 and ASU-85 SP, 76mm, 85mm and 100mm ATK guns; Swatter, Sagger ATGW.

AA Artillery: 9,000 23mm and 57mm towed, ZSU-23-4 and ZSU-57-2 SP guns.


SOVIET UNION

SSM (nuclear capable): about 1,300 launchers (units organic to formations), incl FROG, SS-21 Scud B, SS-12 Scaleboard.

DEPLOYMENT AND STRENGTH:
Central and Eastern Europe: 31 divs: 20 (10 tk) in East Germany, 2 tk in Poland, 4 (2 tk) in Hungary, 5 (2 tk) in Czechoslovakia; 10,500 med and hy tks.*

European USSR (Baltic, Byelorussian, Carpathian, Kiev, Leningrad, Moscow and Odessa Military Districts (MD)): 64 divs (about 22 tk).

Central USSR (Volga, Ural MD): 6 divs (1 tk).

Southern USSR (North Caucasus, Trans-Caucasus, Turkestan MD): 24 divs (1 tk).

Sino-Soviet border (Central Asian, Siberian, Transbaikal and Far East MD): 44 divs (about 6 tk), incl 3 in Mongolia.

Soviet divs have three degrees of combat readiness: Category 1, between three-quarters and full strength, with complete eqpt; Category 2, between half and three-quarters strength, complete with fighting vehicles; Category 3, about one-quarter strength, possibly complete with fighting vehicles (some obsolescent). The 31 divs in Eastern Europe are Category 1, about half those in European USSR and the Far East are in Category 1 or 2. Most of the divs in Central and Southern USSR are likely to be Category 3. Tk divs in Eastern Europe have 325 med tks, motor rifle divs up to 266, but elsewhere holdings may be lower.

Navy: 433,000, incl 59,000 Naval Air Force, 12,000 Naval Infantry and 8,000 Coast Art and Rocket Troops; 243 major surface combat ships, 243 attack and cruise-missile subs (85 nuclear, 158 diesel). A further 29 major surface combat ships and 117 attack submarines are in reserve.

Submarines:

Attack: 40 nuclear (12 N-, 17 V-I, 5 V-II, 5 E-I, 1 A-class), 134 diesel (60 F-, 10 R-, 10 Z-, 40 W-, 4 B-, 5 T-class, 5 coastal Q-class).

Cruise Missile: 45 nuclear:
1 P-class.
15 C-class, each with 8 SS-N-7.
29 E-II-class, each with 8 SS-N-3 Shaddock.
24 diesel:
16 J-class, each with 4 SS-N-3.
6 W-Long Bin class, each with 4 SS-N-3.
2 W-Twin Cylinder class, each with 2 SS-N-3.

Surface Ships:
1 A7ev-class carrier (40,000 tons) with SSM, SAM, 12 VTOL ac, 20 hel (1 on trials, 1 building).
2 Mosk va-class ASW hel cruisers with SAM, about 20 Ka-25 hel.*

* Excluding from the area tks in reserve (replaced by new ones but not withdrawn).
6 Kara-dass ASW cruisers with SAM, 1 hel (more building).
10 Kresta-II-dass ASW cruisers with SAM, 1 hel.
4 A-40/41-class cruisers with SSN, SAM, 1 hel.
4 Kynda-dass cruisers with SSN, SAM.
10 Sverdlov-dass cruisers (3 with SAM, 1 with hel).
1 trg cruiser (Chapaev-
20 AWRa-A/-II-class ASW destroyers with SAM
(more building).
8 Kanin-dass ASW destroyers with SAM.
4 Kildin-dass destroyers with SAM.
19 Kashin-dass ASW destroyers with SAM (5 with
6 improved Kotlin-dass destroyers with SAM.
38 destroyers (18 Kotlin-, 20 Skory-dass).
107 frigates (20 Mirka, 48 Petya, 35 Riga, 3 Kola,
1 Koni with SAM).
1 Sarancha-dass msl patrol ship with SSN, SAM.
15 Nanuchka-dass msl patrol ships with SSN, SAM.
(more building).
279 sub-chasers (30 Turya, 25 Pchela hydrofoils,
30 Grisha, 64 Poti, 70 Stera, 60 SO-1).
70 Os-a-1, 50 Ora-Ii-class FPBG with Styx SSN.
70 MTB (50 Shershen, 20 P-6).
About 353 minisweepers (160 coastal).
About 84 amphib. ships, incl 14 Alligator, 10
Ropucha LST (more building), 60 Polnocy LSM.
80 landing craft.
41 hovercraft (5 Aist, 11 Lebed, 25 Gas).
38 tankers, 20 fleet replenishment ships.
45 depot and repair ships.
80 supply ships.
54 intelligence collection vessels (AGI).

Ships in reserve:
2 nuclear-powered attack subs, 10 Z-, 90 W-, 15
Q-class subs, 2 Sverdlov-dass, 15 Skory-
dass destroyers, 12 Riga-dass frigates, 35 T-43
minisweepers.

NAVAL AIR FORCE: some 770 combat aircraft.
280 Tu-16 Badger med bbrs with ASM.
30 Tu- Backfire B med bbrs with ASM.
40 Tu-22 Blinder med bbrs, MR, ECM ac.
Some 30 Yak-36 Forger VTOL FGA, 30 Fitter C FGA.
40 Tu-16 Badger E/F recce, 30 Tu-16 ECM ac.
210 MR ac; 45 Tu-95 Bear D, 25 Tu-95 Bear F, 50
11-38 May ac, 90 Be-12 Mail amphibians.
80 Tu-16 Badger tankers.
220 ASW hel: Mi-4 Hound, Mi-14 Haze, Ka-25A/B
Hormone.
280 misc tpts and trainers.

NAVAL INFANTRY (Marines):
5 naval inf regts, each of 3 inf, 1 tk bn, one assigned
to each of Northern, Baltic and Black Sea fleets,
two to Pacific fleet. T-54/-55 med, PT-76 lt tks, BTR-60P, BMP-76 APC; BM-21 122mm RL;
ZSU-23-4 SP AA guns; SA-9 SAM.

DEPLOYMENT (average strengths, excl SSBN and units /J
in reserve):
Northern Fleet: 120 subs, 55 major surface combat
ships.
Baltic Fleet: 30 subs, 50 major surface combat ships,
Black Sea Fleet (incl Caspian Flotilla and Mediterr-
anean Squadron): 25 subs, 73 major surface
combat ships.
Pacific Fleet: 70 subs, 65 major surface combat
ships.

Air Force: 455,000; about 4,650 combat aircraft.*

Tactical Air Force: aircraft incl 120 Yak-28 Brewer,
40 MiG-17 Fresco, 260 Su-7 Fitter A, 130
MiG-23/-27 Flogger B/D, about 1,450 MiG-21
Fished 1/K/L/N, 530 Su-17 Fitter C/D, 190
Su-19 Fencer A FGA: about 250 Beagle, Brewer,
150 MiG-25 Foxbat B/D, 300 Fished recce; 60
Brewer E, 6 An-12 Cub ECM ac; 220 tpts; 3,700
hel, incl 800 Mi-1/-2 Hare/Hoplite, 420 Mi-4
Hound, 500 Mi-6 Hook, 1,660 Mi-8 Hip, 10 Mi-10
Harke, 310 Mi-24 Hind; 1,100 tac trg ac.

Air Transport Force: about 1,300 aircraft: 50 An-8,
735 An-12 Cub, 20 An-24/-26 Coke/Curl, 285
11-14 Crane, 15 11-18 Coot, 2 11-62 Classic, 80
11-76 Candid, 100 Li-2 Cub, 10 Tu-104 Camel, 8
Tu-134 Crusty med, 50 An-22 Cock hy.
1,300 Civil Aeroflot med- and long-range ac available
to supplement military airlift.

DEPLOYMENT: 16 Tactical Air Armies: 4 (1,700 ac) in Eastern
Europe and 1 in each of 12 MD in the USSR.

RESERVES (all services):
Soxiet conscripts have a Reserve obligation to age
50. Total Reserves could be 25,000,000, of which
some 6,800,000 have served in last five years.

Para-Military Forces: 450,000.
200,000 KGB border troops, 250,000 MVD security
troops. Border troops equipped with tks, SP guns,
AFV, ac and ships; MVD with tks and AFV.
Part-time military training organization (DOSAAF)
conducts such activities as athletics, shooting,
attracting and pre-military training given to
those of 15 and over in schools, colleges and
workers' centres. Claimed active membership 80
million, with 5 million instructors and activists;
effectives likely to be much fewer.

* Excluding PVO-Strany and Long-Range Air Force.

No single figure for Soviet defence present knowledge. The declared Sc
military R&D, stockpiling and civil
military construction costs of the a discussed in The Military Balance .
Furthermore, Soviet pricing pra
real terms with no requirement for rouble cost of the defence effort mi
in turn, a rouble value of defence reflect the true burden.

If rouble estimates are then com
are compounded, because the exi
Soviet Union to that of a dollar ii
purpose, and there is no consensus;
An alternative approach - estim
Soviet defensive effort in the USA
structure, the Soviet Union might o
method tends to overstate the Sov;
Accordingly, the estimates proc
dollars, together with official fii
produced by China are also given

Billsions of Roubles

CIA (1) 1970
Lee (2) 1970
Lee (2) Current
China (3) Current
USSR (4) Current

Billsions of Dollars

CIA (5) 1977
CIA (6) Current
Lee (7) 1970

(1) Estimated Soviet Defense Spel
(2) W. T. Lee, 'Soviet Defense Ex
(3) Peking Review, November 19
(4) Official declared budget.
(5) A Dollar Cost Comparison of
1970 and 1975 figures taken from di
(6) Ibid.; 1977 prices converted tc
(7) W. T. Lee, 'Soviet Defense I
Budgets, Issues for Fiscal Year 1977
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