

1975

Soviet Equipment Recognition Guide (SERG)

US Army Foreign Science and Technology Center, Charlottesville, VA

Robert L. Bolin , Depositor

University of Nebraska--Lincoln, rbolin2@unl.edu

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SOVIET

EQUIPMENT RECOGNITION GUIDE



11 APRIL 1975



SERG is an unclassified identification guide that provides the soldier an easy reference to the type weapons and equipment associated with a Soviet maneuver battalion. The guide is designed to assist the soldier in recognizing weapons and equipment and to indicate the associated combat role of each item. Unit intelligence officers should be consulted for detailed information concerning the items contained in this circular.

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9MM

AUTOMATIC PISTOL (PM)



CHARACTERISTICS

LENGTH	160 MM
WEIGHT	0.81 KG
EFFECTIVE RANGE	50 M
MAGAZINE CAPACITY	8 RDS

Notes:



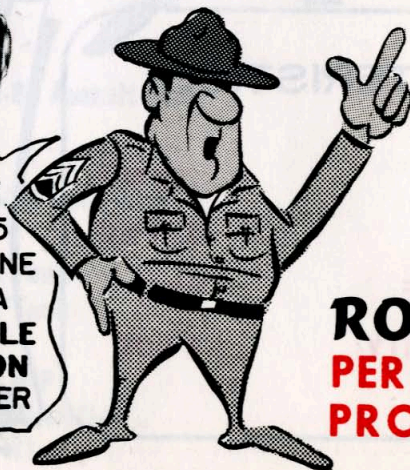


REMEMBER,
STAR ON BUTT
IDENTIFIES THIS
WEAPON



STAR

UNLIKE
OUR .45
THIS ONE
HAS A
**DOUBLE
ACTION
TRIGGER**

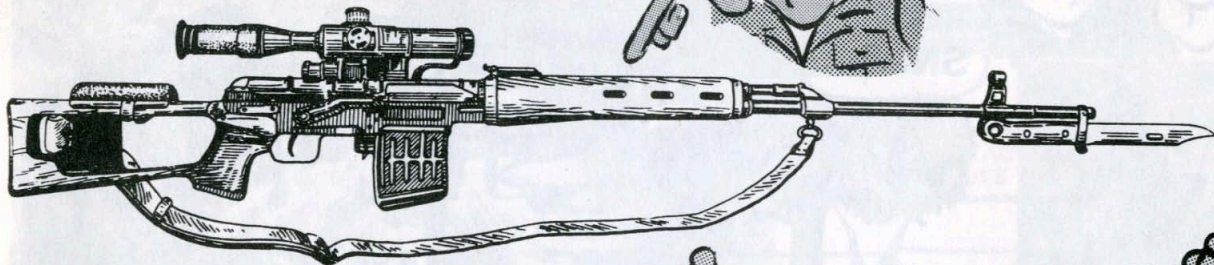


ROLE:
**PERSONAL
PROTECTION**

SVD 7.62MM SNIPER RIFLE



LOOK FOR THE BOX
MAGAZINE, SCOPE,
AND OPEN STOCK



CHARACTERISTICS

LENGTH	1227 MM
WEIGHT	4.5 KG
EFFECTIVE RANGE	800 M
MAX RANGE	1300 M
MAGAZINE CAPACITY	10 RDS

Notes:





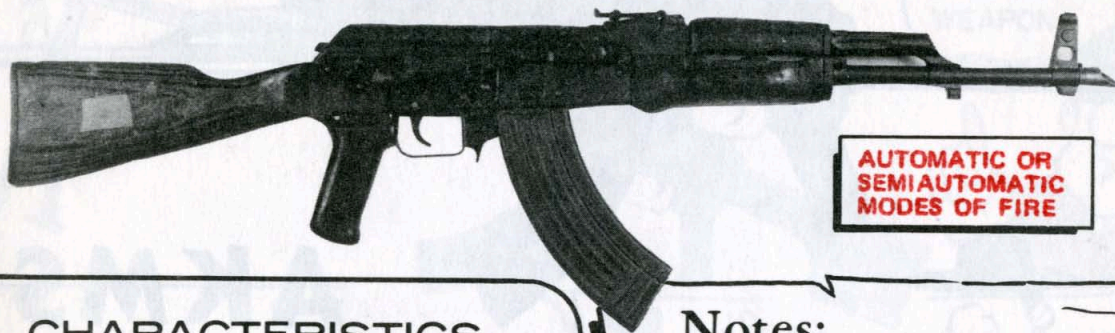
EVERY
PLATOON
HAS **ONE**
SNIPER!



**THAT SCOPE CAN
DETECT IR SEARCHLIGHTS**

ROLE: PLATOON SNIPER RIFLE

AKM 7.62MM ASSAULT RIFLE



**AUTOMATIC OR
SEMI-AUTOMATIC
MODES OF FIRE**

CHARACTERISTICS

LENGTH	876 MM
WEIGHT	4.02 KG
EFFECTIVE RANGE	300 M
MAX RANGE	2500 M
MAGAZINE CAPACITY	30 RDS

Notes:



THIS NEW VERSION HAS A FOLDING STOCK



AKMS



THAT BANANA CLIP
AND GAS CYLINDER
ABOVE THE BARREL
GIVE THIS ONE AWAY

ROLE: BASIC
INDIVIDUAL WEAPON

RPK 7.62MM Light Machinegun



BOX AND DRUM
MAGAZINES ARE
USED ON THIS
WEAPON



CHARACTERISTICS

LENGTH	1035 MM
WEIGHT	5.67 KG
EFFECTIVE RANGE	800 M
MAX RANGE	2500 M
MAGAZINE CAPACITY	
BOX 40 RDS	DRUM 75 RDS

Notes:



IDENTIFY

THIS TANK



THIS ONE LOOKS LIKE
THE AKM BUT USES A
BUILT-ON BIPOD, AND
HAS A LONGER BARREL
AND DIFFERENT STOCK

**ROLE: STANDARD
SQUAD AUTOMATIC
WEAPON**

7.62MM PK SERIES

GENERAL PURPOSE MACHINEGUN

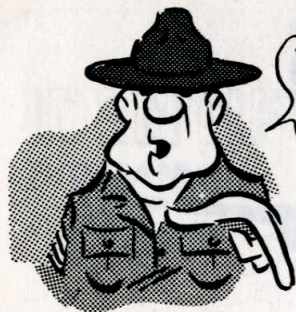


CHARACTERISTICS

LENGTH	1173 MM
WEIGHT	9.0 KG
EFFECTIVE RANGE	1000 M
MAX RANGE	3800 M
BELT CAPACITY	100 OR 250 RDS

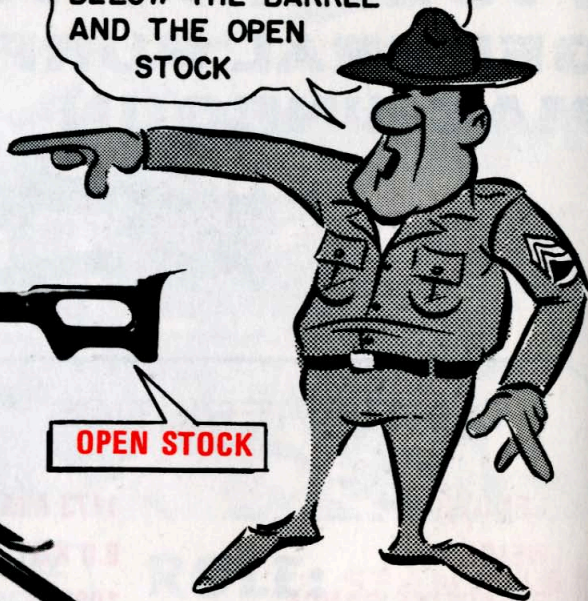
Notes:





THIS WEAPON IS
BELT FED!

NOTICE THE GAS CYLINDER
BELOW THE BARREL
AND THE OPEN
STOCK

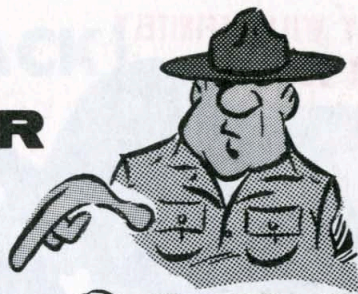
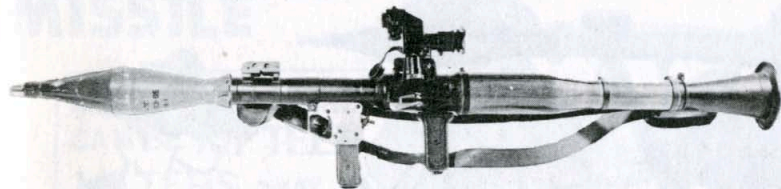


GAS CYLINDER

OPEN STOCK

ROLE: SQUAD OR COMPANY MACHINEGUN

RPG-7 ANTITANK GRENADE LAUNCHER



REMEMBER, TWO HAND GRIPS,
LARGE OPTICAL SIGHT AND
A FLARED CONE ON
THE END

CHARACTERISTICS

LENGTH	953 MM
WEIGHT	8.0 KG
EFFECTIVE RANGE	500 M
MAX RANGE	900 M

Notes:



**THIS BABY WILL DEFINITELY
PENETRATE OUR
M-60**

**THIS IS A RELOADABLE
WEAPON**



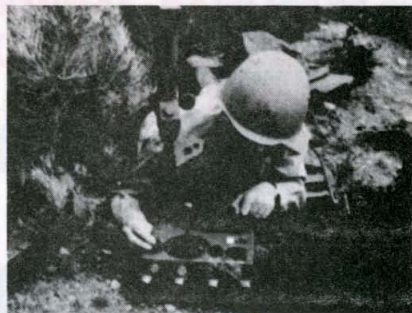
THERE'S
ONE OF
THESE IN
EVERY SOVIET
INFANTRY SQUAD

**ROLE: SQUAD
ANTITANK WEAPON**

SAGGER (MANPACK)

ANTITANK MISSILE

REMEMBER, GUNNER
CAN BE FIFTEEN
METERS AWAY



CHARACTERISTICS

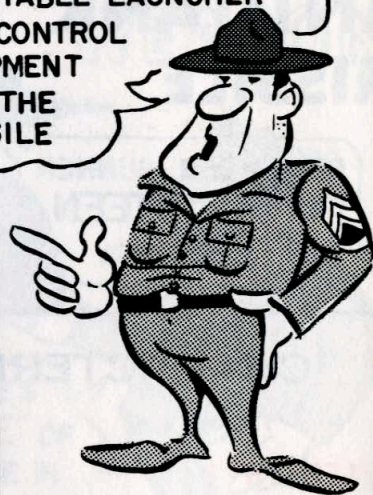
LENGTH	0.8 M
WEIGHT	11 KG
MAX RANGE	3000 M
MIN RANGE	500 M
CREW	3 MEN

Notes:



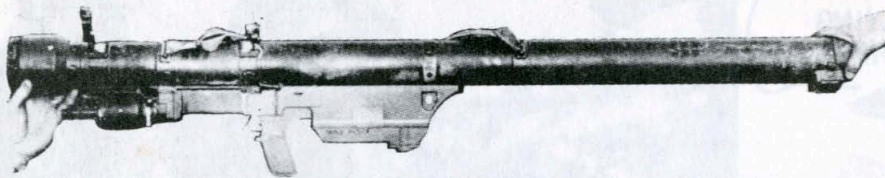
**THE 3-MAN SAGGER SQUAD SETS
UP A 4 MISSILE POSITION IN JUST
UNDER 5 MINUTES**

THIS WEAPON HAS 3 PARTS:
A PORTABLE LAUNCHER
FIRE CONTROL
EQUIPMENT
AND THE
MISSILE



**ROLE: BATTALION ANTITANK
GUIDED MISSILE**

SA-7 Guided Antiaircraft Missile



IF YOU'RE ON
THE GROUND
THERE'S NO
SWEAT



CHARACTERISTICS

LENGTH	1.5 M
WEIGHT	15 KG
MAX AA RANGE	SIMILAR TO US REDEYE

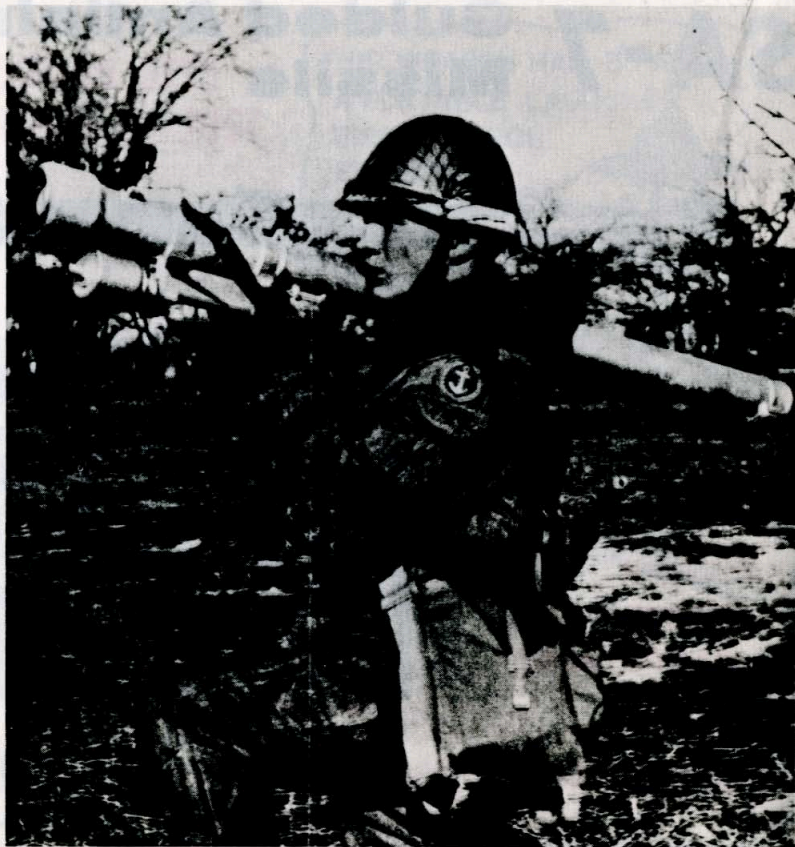
Notes:



THIS SHOULDER-FIRED
WEAPON IS USED
STRICTLY AGAINST
HELICOPTERS AND LOW-
FLYING
AIRPLANES



ROLE:
COMPANY
ANTIAIRCRAFT
WEAPON



SPG-9

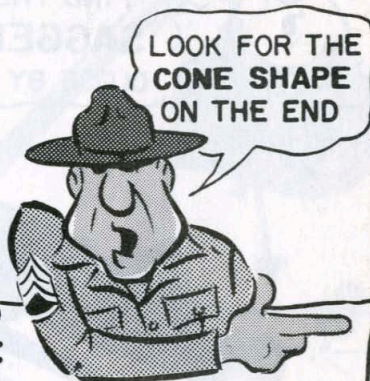
73MM ANTITANK RECOILLESS GUN



CHARACTERISTICS

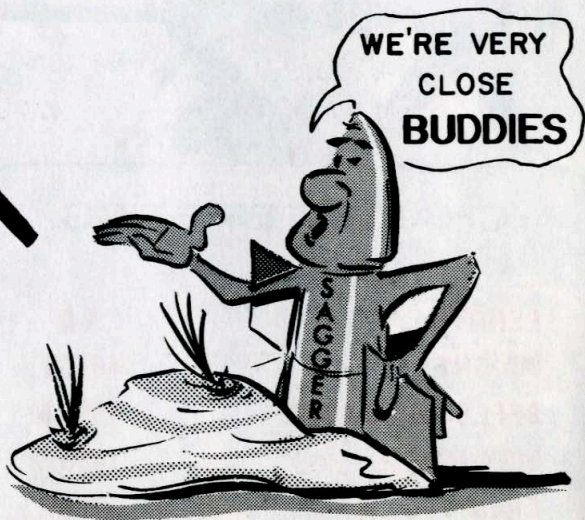
LENGTH	2.1 M
WEIGHT	45 KG
EFFECTIVE RANGE	1000 M
MAX RANGE	1960 M
CREW	3 MEN

Notes:





YOU USUALLY
FIND THE
SAGGER
CLOSE BY



WE'RE VERY
CLOSE
BUDDIES

ROLE: BATTALION ANTITANK WEAPON

82MM MORTAR

THIS MORTAR
PUTS OUT
25
ROUNDS/
MINUTE

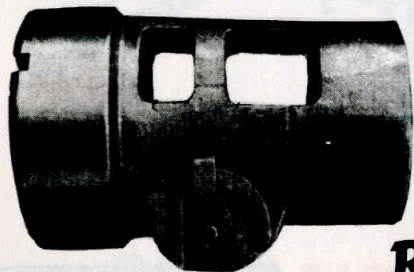
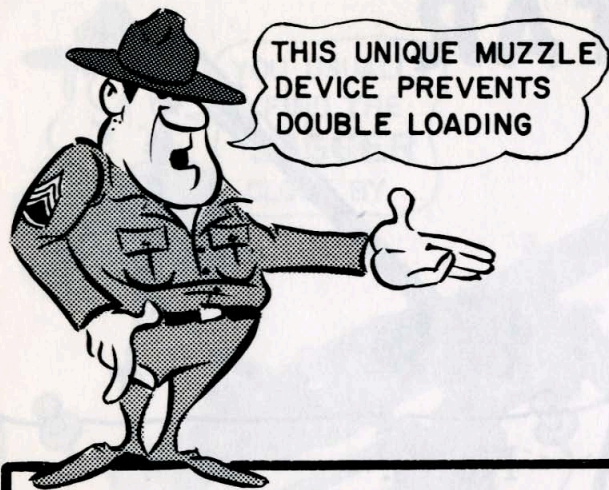


CHARACTERISTICS

LENGTH	1.22 M
WEIGHT	56 KG
MAX RANGE	3000 M
MIN RANGE	90 M
CREW	5 MEN

Notes:





ROLE: AIRBORNE INFANTRY
DIRECT SUPPORT WEAPON



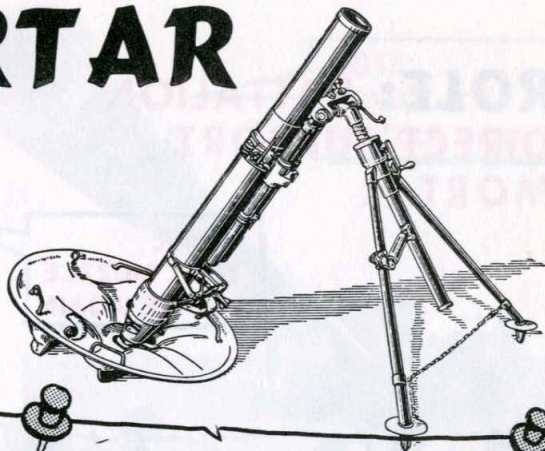
120MM MORTAR

THIS IS THE 82 MM'S
BIG BROTHER, AND
FIRES **FIFTEEN**
ROUNDS PER
MINUTE



CHARACTERISTICS

LENGTH	1.85 M
WEIGHT	275 KG
MAX RANGE	5700 M
MIN RANGE	500 M
CREW	6 MEN

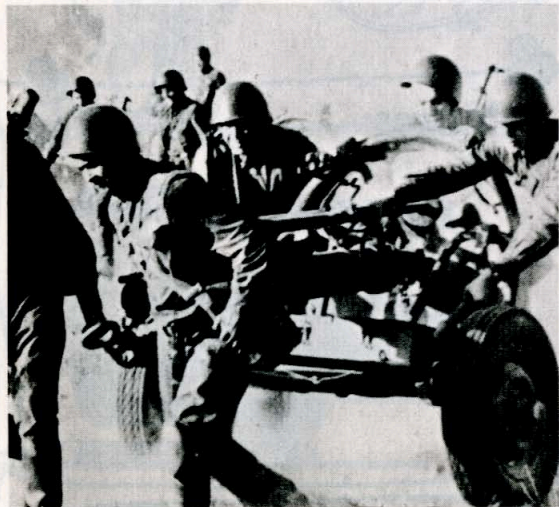


Notes:



ROLE: BATTALION DIRECT SUPPORT MORTAR

**NOTICE
THAT MUZZLE
DEVICE AGAIN**

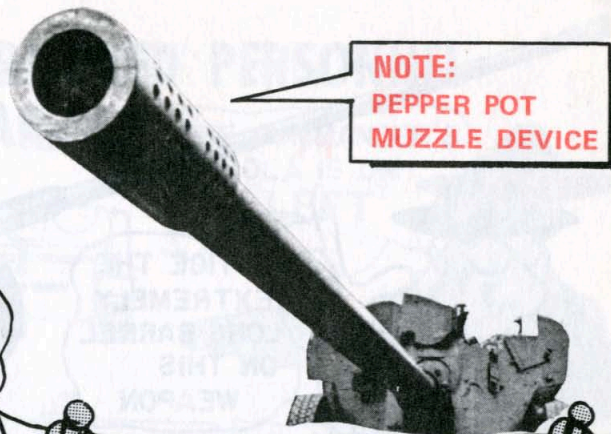


T-12 100MM ANTITANK GUN

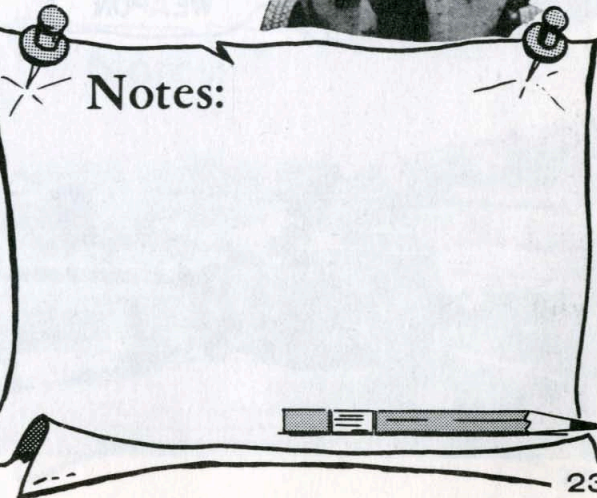


CHARACTERISTICS

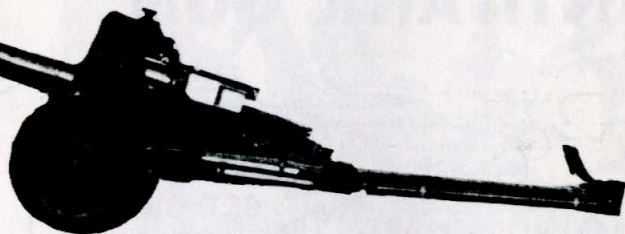
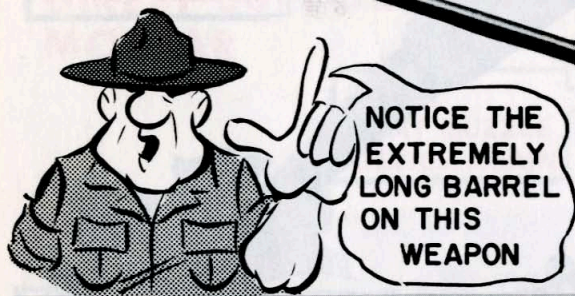
LENGTH	9.2 M
WEIGHT	3800 KG
DIRECT FIRE RANGE	3000 M
CREW	6 MEN



NOTE:
PEPPER POT
MUZZLE DEVICE

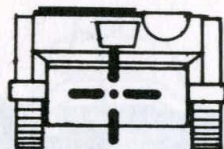
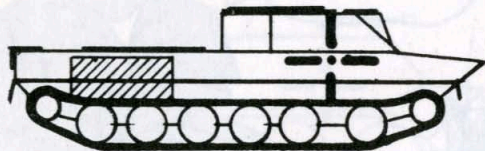


ROLE: ANTITANK BATTALION WEAPON



BTR-50PK

ARMORED PERSONNEL CARRIER



THE COMMANDER'S
CUPOLA IS ON
THE LEFT
SIDE



POINT OF MAXIMUM
VULNERABILITY



ENGINE
COMPARTMENT

CHARACTERISTICS

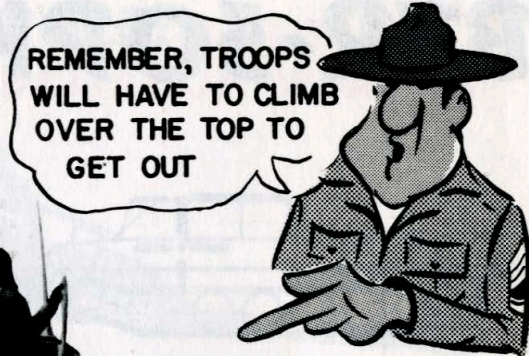
LENGTH/HEIGHT	7.3 M/2.0 M
WIDTH	3.1 M
ARMAMENT	7.62 MM MG
EFFECTIVE RANGE	1000 M
MAX ARMOR	10 MM
CREW	3 MEN
TROOPS	18 MEN

Notes:

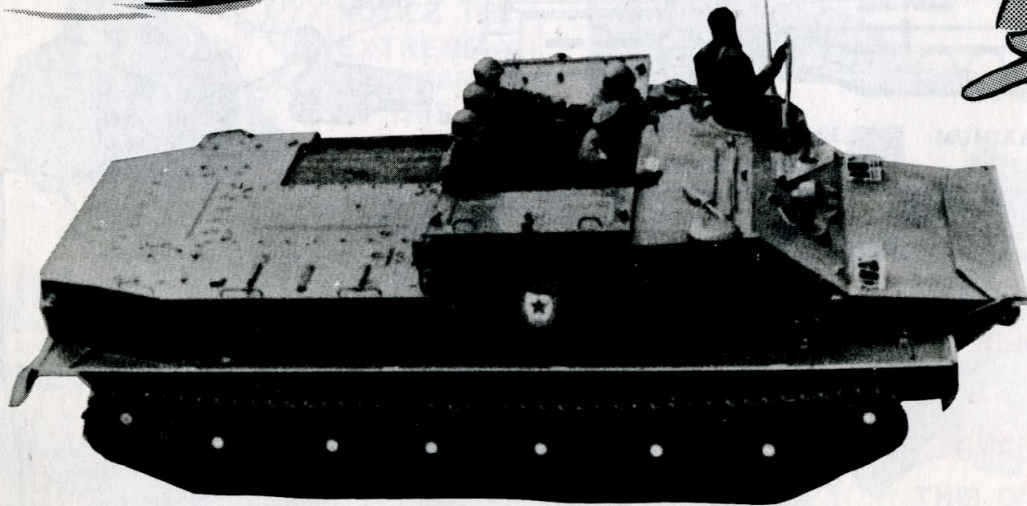




**AMPHIBIOUS
CAPABILITY**



**REMEMBER, TROOPS
WILL HAVE TO CLIMB
OVER THE TOP TO
GET OUT**

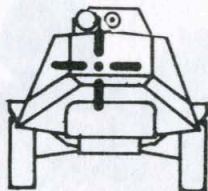
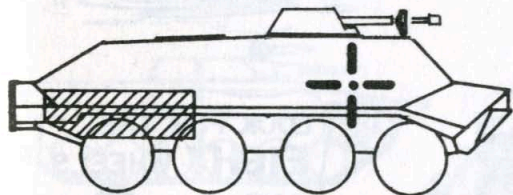


**NO SIDE
DOORS**

ROLE: TRACKED ARMORED PERSONNEL CARRIER

BTR-60 PB

ARMORED PERSONNEL CARRIER



TROOPS WILL
DISMOUNT
FROM THE
TOP

CHARACTERISTICS

LENGTH	7.6 M
HEIGHT	2.3 M
WIDTH	2.8 M
ARMAMENT	14.5 MM MG
EFFECTIVE RANGE	2000 M
SECONDARY	7.62 MM MG
MAX ARMOR	10 MM
CREW	2 MEN
TROOPS	8 MEN

Notes:





**AMPHIBIOUS
CAPABILITY**

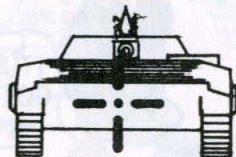
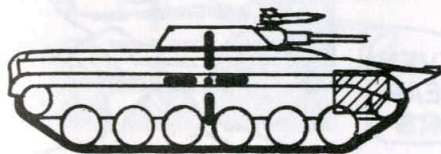


**LOOK FOR THE
EIGHT WHEELS
AND
THAT
TURRET**



**ROLE: WHEELED ARMORED
PERSONNEL CARRIER**

BMP AMPHIBIOUS ARMORED INFANTRY COMBAT VEHICLE



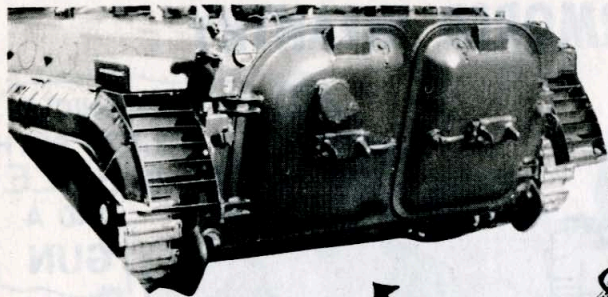
CHARACTERISTICS

LENGTH	6.8 M
HEIGHT	2.0 M
WIDTH	3.0 M
ARMAMENT	73 MM GUN/SAGGER
EFFECTIVE RANGE APPROX	700/1500*
SECONDARY	7.62 MM MG
MAX ARMOR	20 MM
CREW	3 MEN
TROOPS	8 MEN

*SEE LAST PAGE FOR DEFINITION

Notes:



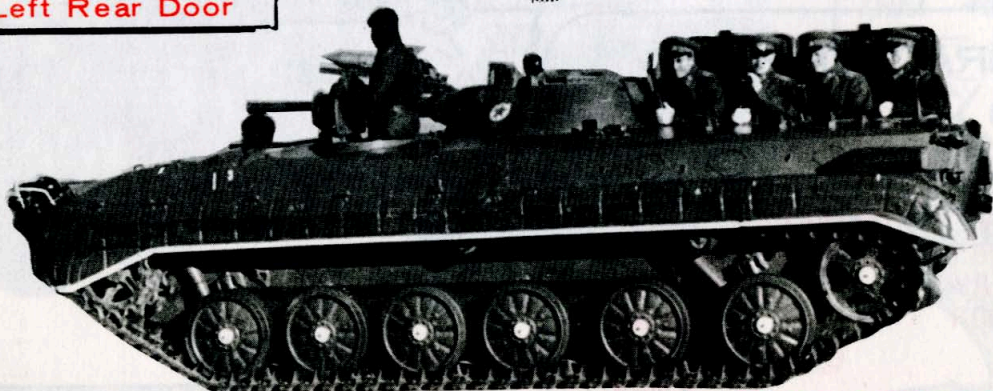


ONE FIRING PORT
Left Rear Door



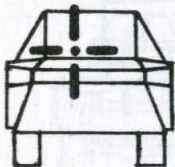
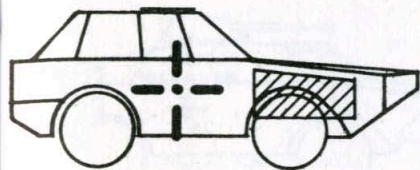
IT'S EVEN
GOT REAR
DOORS

WATCH OUT FOR
THOSE **FOUR**
FIRING
PORTS
ON EACH
SIDE



ROLE: ARMORED INFANTRY COMBAT VEHICLE

BRDM ARMORED RECONNAISSANCE VEHICLE

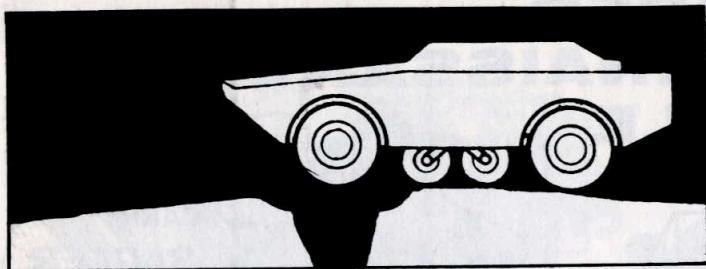


CHARACTERISTICS

LENGTH	5.7 M
HEIGHT	1.6 M
WIDTH	2.3 M
ARMAMENT	7.62 MM MG
EFFECTIVE RANGE	1000 M
MAX ARMOR	10 MM
CREW	2 MEN
TROOPS	3 MEN

Notes:





**THESE VEHICLES HAVE
AUXILIARY WHEELS**

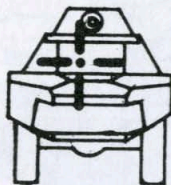
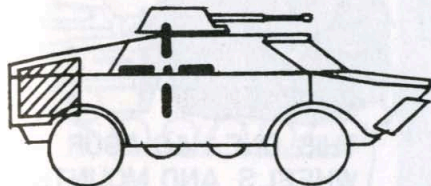
ENGINE LOCATED IN THE
FRONT, AND IT HAS
**AMPHIBIOUS
CAPABILITY**



ROLE: RECONNAISSANCE VEHICLE

BRDM-2

ARMORED RECONNAISSANCE VEHICLE



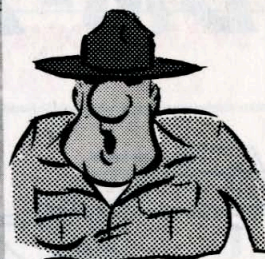
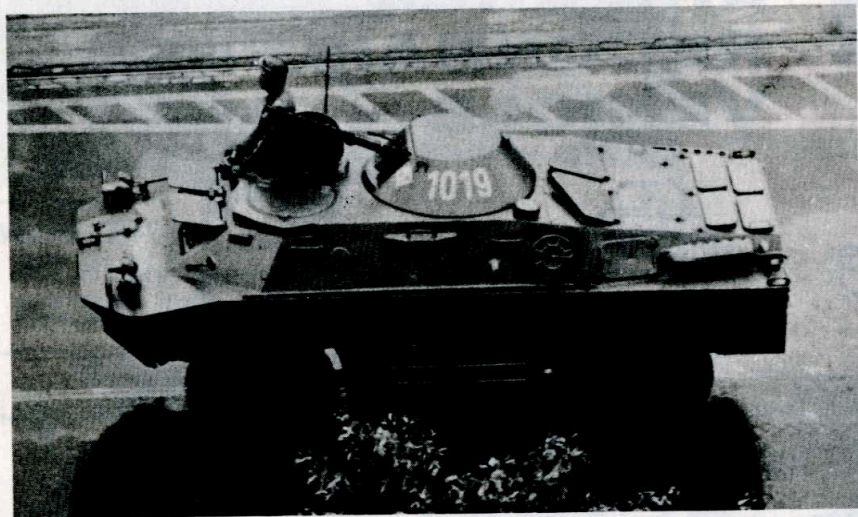
THE ENGINE
IS IN THE
REAR

CHARACTERISTICS

LENGTH	5.8 M
HEIGHT	2.3 M
WIDTH	2.4 M
ARMAMENT	14.5 MM MG
EFFECTIVE RANGE	2000 M
SECONDARY	7.62 MM MG
MAX ARMOR	10 MM
CREW	2 MEN
TROOPS	2 MEN

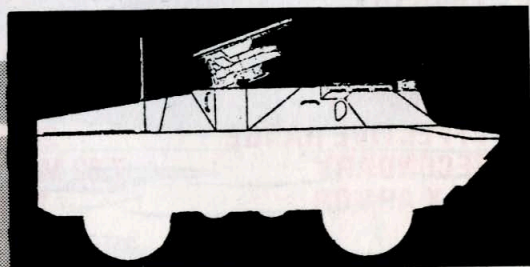
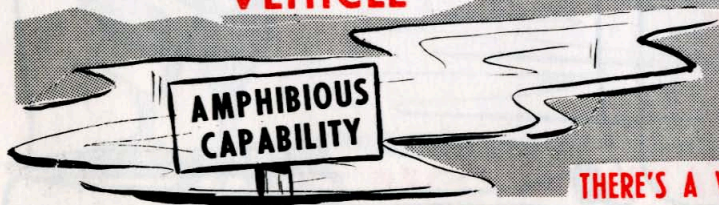
Notes:





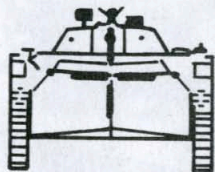
THIS ONE HAS FOUR
WHEELS AND MOUNTS
A TURRET CONTAINING
A 14.5 MM
MACHINEGUN

ROLE: RECONNAISSANCE
VEHICLE



THERE'S A VERSION THAT CARRIES SAGGER MISSILES

BMD AMPHIBIOUS AIRBORNE COMBAT VEHICLE



CHECK THAT
FIREPOWER
IT CARRIES
SAGGER
MISSILES

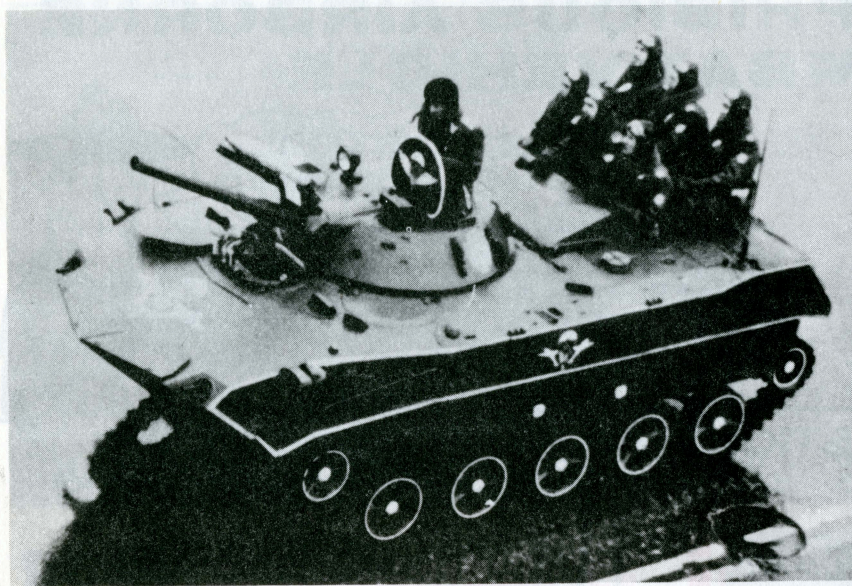


CHARACTERISTICS

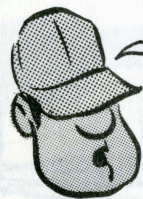
LENGTH	5 M
HEIGHT	2 M
WIDTH	3 M
ARMAMENT	73 MM GUN/SAGGER
EFFECTIVE RANGE	EST 700/1500*
SECONDARY-COAXIAL	7.62 MM MG
BOW	7.62 MM MG
MAX ARMOR	20 MM
CREW	2 MEN
TROOPS	5 MEN

Notes:

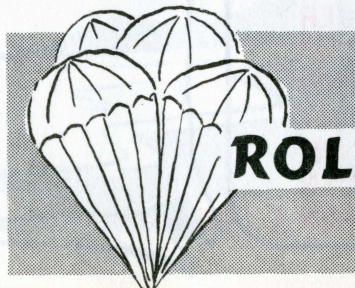




LOOKS LIKE BMP, BUT
SMALLER AND HAS
FIVE ROAD WHEELS
EVENLY SPACED

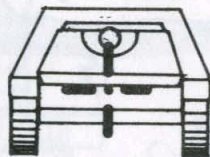
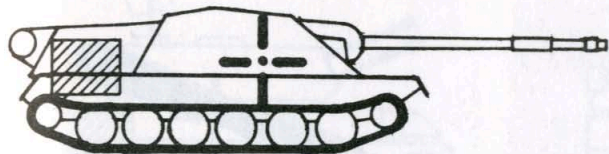


THIS THING
LOOKS LIKE
A BOAT ON
WHEELS



ROLE: AIR DROPPABLE
COMBAT VEHICLE

ASU-85 ASSAULT GUN



CHECK IT, IT
DOESN'T HAVE A
TURRET



CHARACTERISTICS

LENGTH	8.5 M
HEIGHT	2.1 M
WIDTH	2.8 M
ARMAMENT	85 MM GUN
EFFECTIVE RANGE	EST 1000 M*
SECONDARY-AA	12.7 MM MG
COAXIAL	7.62 MM MG
MAX ARMOR	40 MM
CREW	4 MEN

Notes:





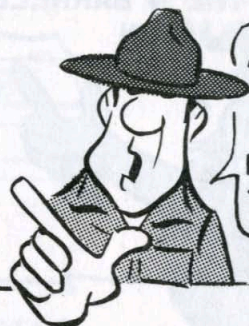
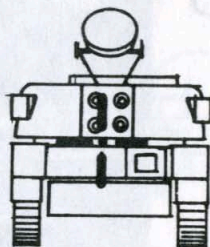
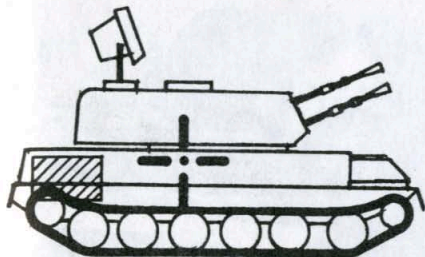
ROLE: AIRBORNE MEDIUM ASSAULT GUN



NEW VERSIONS MOUNT THE 12.7 AA MACHINEGUN

ZSU-23-4 QUAD 23-MM

Self-propelled Antiaircraft Gun



A .50 CAL
MG WILL
EASILY
PENETRATE
THIS VEHICLE

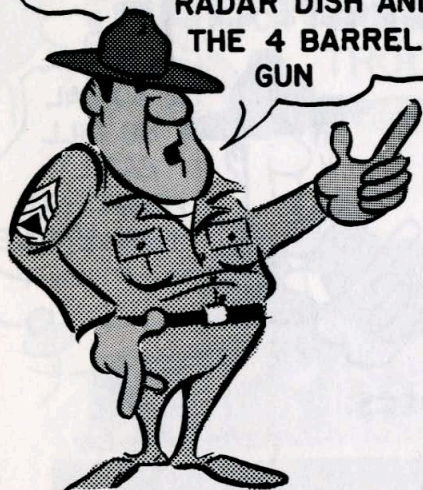
CHARACTERISTICS

LENGTH	6.3 M
HEIGHT	2.3 M
WIDTH	3.0 M
ARMAMENT	QUAD 23 MM CANNON
TACTICAL AA RANGE	3000 M
MAX ARMOR	15 MM
CREW	4

Notes:



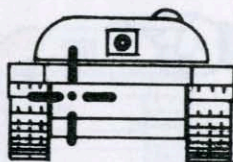
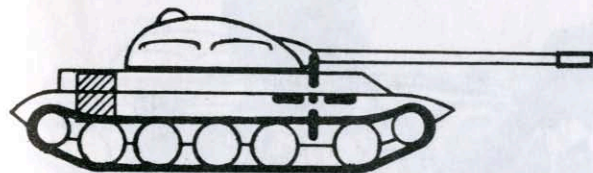
THE MAIN FEATURES OF
THIS VEHICLE ARE THE
RADAR DISH AND
THE 4 BARRELED
GUN



ROLE:
REGIMENTAL
ANTIAIRCRAFT
WEAPON



T-55 MEDIUM TANK



THAT TANK IS
3' LOWER
THAN OUR
M-60

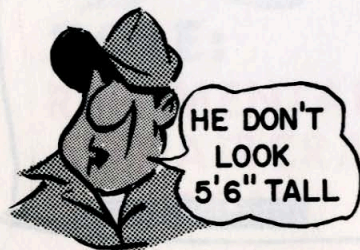


CHARACTERISTICS

LENGTH	6.5 M
HEIGHT	2.4 M
WIDTH	3.3 M
ARMAMENT	100 MM GUN
EFFECTIVE RANGE	EST 1500 M*
SECONDARY-AA	12.7 MM MG
COAXIAL	7.62 MM MG
BOW	7.62 MM MG
MAX ARMOR	200 MM
CREW	4 MEN

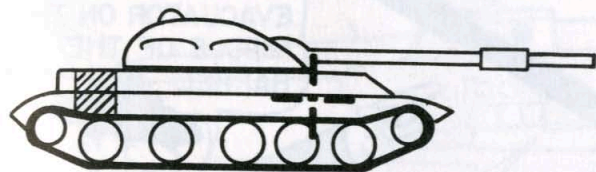
Notes:





ROLE: MEDIUM TANK

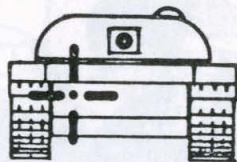
T-62 MEDIUM TANK



NOTE SPACING

CHARACTERISTICS

LENGTH	6.7 M
HEIGHT	2.4 M
WIDTH	3.3 M
ARMAMENT	115 MM GUN
EFFECTIVE RANGE	EST 2000 M*
SECONDARY-AA	12.7 MM MG
COAXIAL	7.62 MM MG
MAX ARMOR	200 MM
CREW	4 MEN



THE WHEEL
PLACEMENT
IS DIFFERENT
ON THE
T-62

Notes:

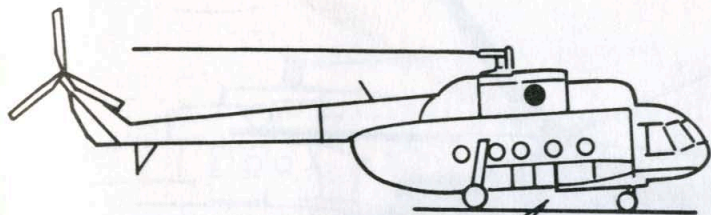


**3' LOWER THAN
OUR M-60**

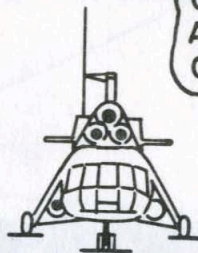


ROLE: PRIMARY MEDIUM TANK

MI-8 HIP HELICOPTER



ARMAMENT MOUNT



REMEMBER SHE
CAN CARRY ROCKETS,
ATGM'S AND MACHINE-
GUNS

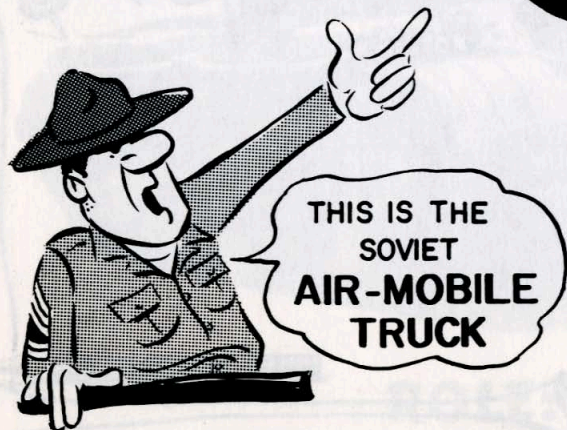


CHARACTERISTICS

LENGTH	18 M
HEIGHT	6 M
MAX SPEED	230 KM/HR
CREW	3
TROOPS	24
ARMAMENT	ROCKET PODS MACHINEGUNS ATGM'S

Notes:

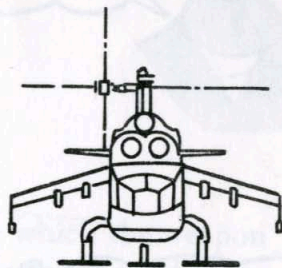
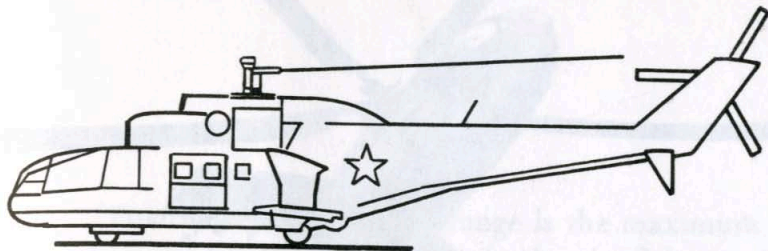




**ROLE: LIGHT TRANSPORT
HELICOPTER**

MI-24 HIND-A

ASSAULT HELICOPTER



CHARACTERISTICS

LENGTH	17 M
HEIGHT	6 M
MAX SPEED	330 KM/HR
CREW	3 MEN
TROOPS	8
ARMAMENT	TWO HEAVY MGS ROCKET PODS ATGM'S

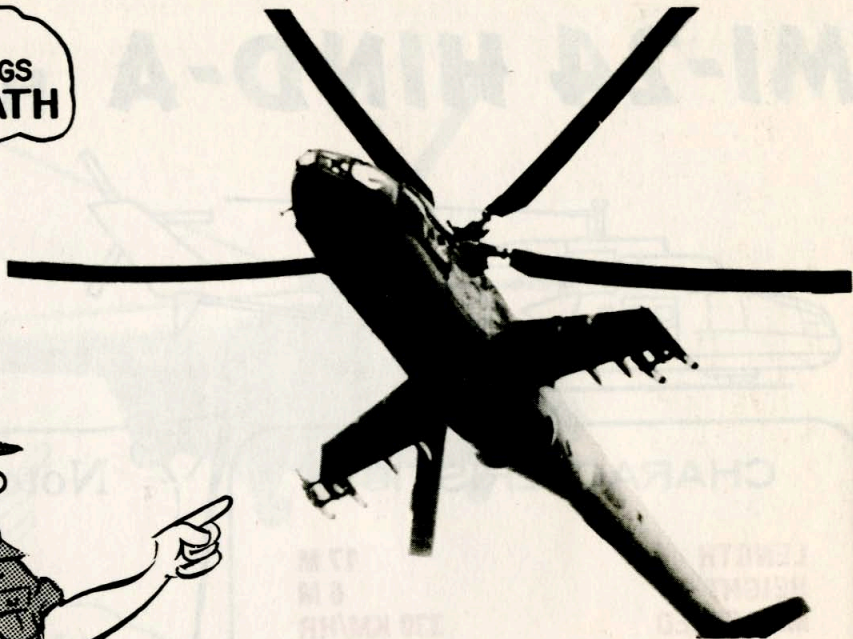
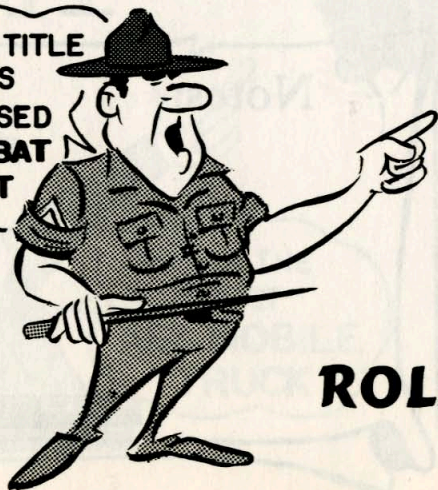
Notes:





REMEMBER
THOSE WINGS
CARRY DEATH

LIKE THE TITLE
SAYS, THIS
BIRD IS USED
FOR **COMBAT**
ASSAULT



**ROLE: GUNSHIP/COMBAT
ASSAULT HELICOPTER**

*For tanks, the effective range is the maximum range at which the weapon systems function, with a trained crew firing under quasi-combat conditions, and achieving a 50-percent first-round hit probability against a stationary 7.5 X 7.5 foot target.

11 April 1975

This publication was prepared by the US Army Foreign Science and Technology Center, Charlottesville, VA and was published by the US Army Training and Doctrine Command, Fort Monroe, VA. The information presented in this publication conforms as closely as possible with approved Department of the Army doctrine and is intended to complement formal literature on the subject.

Comments concerning this circular should be addressed to: HQ TRADOC, ATTN: DCSORI-IT, Fort Monroe, VA 23651.

By Order of the Secretary of the Army:

FRED C. WEYAND
General, United States Army
Chief of Staff

Official:
VERNE L. BOWERS
Major General, United States Army
The Adjutant General

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IDENTIFY THESE WEAPONS