

CANNON CAPABILITY WITH ARMOR PIERCING AMMUNITION ON THE MICV
TO DEFEAT THE BMP BEYOND THE RANGE OF ITS 73MM GUN.

(CHART 38)

(C) WITH RESPECT TO FIELD ARTILLERY, WE ARE ALMOST TOTALLY
DEPENDENT ON FIELD ARTILLERY FOR THE OBSCURATION OR SUPPRES-
SION OF ANTI-TANK WEAPONS THAT ARE OUT BEYOND THE EF-
FECTIVE RANGE OF OUR TANKS. ONE NEW INNOVATION TO AID US
IN PROVIDING SUPPRESSION IS A RANDOM DELAY PROJECTILE, A
PROJECTILE WHICH GOES OFF OVER A PERIOD OF TIME WITH SMALL
MUNITIONS, FORCING THE ENEMY TO STAY COVERED OVER A LONG
PERIOD. WE ARE URGENTLY PURSUING AN IMPROVED SMOKE CAPABILITY
FOR OUR ARTILLERY. THE ISRAELIS LEARNED THE NEED FOR
ARTILLERY TO SUPPORT THEIR TANKS AND THAT THOSE ARTILLERY

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PIECES MUST MOVE WITH THE TANKS. WE ALREADY HAVE THAT KIND OF
ARTILLERY PIECE BUT ITS MOBILITY NEEDS IMPROVEMENT.

(CHART 39)

(U) IN RESPECT TO AIR DEFENSE THE ISRAELIS WERE MOST IMPRESSED
WITH THE ENVELOPE OF ARAB AIR DEFENSE THAT MOVED WITH THE
ADVANCING SYRIAN AND EGYPTIAN FORCES. OUR CONCEPT IS TO
PROVIDE A COMPLETE MIX OF AIR DEFENSE GUNS AND MISSILES. THIS
FORCE MUST BE MOBILE AND IT MUST BE FORWARD. THE ARMY IS
BUYING AN IMPROVED / MAN-PORTABLE AIR DEFENSE MISSILE,
THE STINGER. ALTHOUGH THE ISSUE
OF A DIVISIONAL AIR DEFENSE GUN IS STILL CONTROVERSIAL WITHIN
OUR FAMILY WE ARE CONVINCED WE NEED IT. WE HAVE ALREADY
DECIDED TO PURCHASE A NEW SHORT RANGE AIR DEFENSE MISSILE.
THE IMPROVED HAWK IS PROBABLY THE BEST SURFACE TO AIR MISSILE

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IN THE WORLD. EFFORTS ARE IN PROGRESS TO MAKE IT ^{MORE} MOBILE.

THE HAWK DEPENDS ON CABLES TO CONNECT THE RADARS WITH THE
COMMAND ^{AND} CONTROL AND THE MISSILE. THESE ARE BEING REPLACED
IN THE IMPROVED HAWK PROGRAM WITH RADIOS TO INCREASE ITS
MOBILITY. THE SAM D IS BEING DEVELOPED TO PROVIDE AN
ESSENTIAL AREA DEFENSE TO THE BATTLEFIELD AND REAR AREAS.

(CHART 40)

(U) THE ANTI-TANK GUIDED MISSILE HAS NOW PUT THE TANK IN
THE SAME POSITION AS THE INFANTRY AND FIGHTER AIRCRAFT.
THAT IS, IN A POSITION IN WHICH EMPLOYMENT MUST BE
THOROUGHLY SUPPORTED AND CAREFULLY PLANNED. BUT THE ANTI-
TANK GUIDED MISSILE IS ALSO VULNERABLE WHICH LEADS US TO
PLACING THEM UNDER ARMOR.

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(U) FIRST, THE TOW HAS BEEN FITTED TO THE M113. WE HOPE LATER TO INTEGRATE THE TOW WITH THE BUSHMASTER IN A SINGLE INTEGRATED TURRET FOR A GROUND SCOUT VEHICLE. WE PLAN TO USE THE MICV FOR THIS PURPOSE. WE ARE ALSO LOOKING AT A VERSION OF THE MICV OPTIMISED FOR TOW, UNDER ARMOR. THE DRAGON ATGM IS ALSO BEING FITTED TO THE M113 AS AN INTERIM FIX, AND LATER WE'LL TRY IT ON THE MICV.

(CHART 41)

(U) THE ARAB/ISRAELI WAR DID NOT REVEAL MUCH ABOUT ARMY AVIATION. NEITHER SIDE USED ARMY AVIATION EXCEPT FOR LOGISTICS AND A RAID OR TWO. IT IS SAFE TO SAY THAT OUR CONCEPT OF OPERATIONS IS FAR IN ADVANCE OF THAT OF THE ISRAELIS. THE ARMY IS WELL AWARE OF THE NEED TO PROVIDE SUPPRESSION IN EMERGENCIES FROM OUR OWN AIRCRAFT AND WE ARE

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DEVELOPING AN IMPROVED ROCKET SYSTEM FOR THE SUPPRESSION OF AIR DEFENSE.

(C) THE SYRIANS AND EGYPTIANS ON THE FIRST DAY OF ATTACK WERE ABLE TO CONCENTRATE THEIR ARMOR ON THE GOLAN HEIGHTS AND ALONG THE SUEZ, IN VASTLY SUPERIOR NUMBERS TO THE DEFENDING ISRAELIS. THE ISRAELIS REACTED AND MOVED THEIR ARMOR, BUT THEY HAD DIFFICULTY; BECAUSE THEY COULD NOT SEE THE BATTLEFIELD WELL ENOUGH TO DETERMINE WHERE THE MAIN ATTACKS WERE CONCENTRATED.

(C) OUR CONCEPT OF OPERATIONS STRESSED THE NEED TO SEE THE BATTLEFIELD BETTER THAN THE ENEMY. AS A CONSEQUENCE, WE ARE EXAMINING A NEW ADVANCED SCOUT HELICOPTER. ONE THAT CAN SEE IN THE DAYTIME AND CAN ALSO SEE AT NIGHT.

THERE IS ALSO A DEMONSTRATED NEED FOR AN ANTI-TANK MISSILE THAT CAN BE CARRIED OVER THE BATTLEFIELD AT HIGH SPEEDS.

WE HAVE THE TOW COBRA AND ARE DEPLOYING IT TO EUROPE. WE WILL ALSO EQUIP THE AIR CALVARY COMBAT BRIGADE (ACCB) AT FORT HOOD WITH IT. FOR THE FUTURE, WE ARE DEVELOPING THE ADVANCED ATTACK HELICOPTER.

(U) OUR INTEREST IN THE ARAB/ISRAELI WAR, ALL THE ANALYSES, AND ALL THE DISCUSSIONS ARE NOT JUST AN INTELLECTUAL EXERCISE. TRUE, IT IS FASCINATING FOR SOLDIERS, BUT THERE IS A PURPOSE TO THIS STUDY AND THE PURPOSE IS THAT WE WANT OUR SCHOOLS, OUR COMBAT DEVELOPERS AND THOSE INVOLVED IN TRAINING, TO REMEMBER THESE LESSONS AND TO RELATE THEM TO OUR CONCEPTS. ALL THAT WE DO MUST RELATE TO THESE VERY IMPORTANT LESSONS, CROSSWALKED TO OUR CONCEPTS, AND RESULT IN THE BEST WEAPONS, THE BEST TACTICS

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AND THE BEST TECHNIQUES FOR THE US ARMY TO ENABLE IT TO WIN

THE FIRST BATTLE OF THE NEXT WAR WHILE FIGHTING OUTNUMBERED.

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