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TO DEFEAT THE BMP BEYOND THE RANGE OF ITS 73mm GUN.

## (CHART 38)

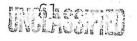
(C) WITH RESPECT TO FIELD ARTILLERY, WE ARE ALMOST TOTALLY DEPENDENT ON FIELD ARTILLERY FOR THE OBSCURATION OR SUPPRES-SION OF ANTI-TANK WEAPONS THAT ARE OUT BEYOND THE FECTIVE RANGE OF OUR TANKS. ONE NEW INNOVATION TO AID US IN PROVIDING SUPPRESSION IS A RANDOM DELAY PROJECTILE, A PROJECTILE WHICH GOES 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

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 MAN-PORTABLE AIR DEFENSE MISSILE,
BUYING AN IMPROVED / 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





IN THE WORLD. EFFORTS ARE IN PROGRESS TO MAKE IT MOBILE.

THE HAWK DEPENDS ON CABLES TO CONNECT THE RADARS WITH THE COMMAND/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

THROUGHLY SUPPORTED AND CAREFULLY PLANNED. BUT THE ANTI
TANK GUIDED MISSILE IS ALSO VULNERABLE WHICH LEADS US TO

PLACING THEM UNDER ARMOR.

(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

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

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,

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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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