

TABLE I

Hit Probability (P_H) As A Function of Range and Aiming Error (σ_A)
 Target Radius (R_T) = 9 in. (Head, Neck and Shoulders) and 4 in. (Head)
 Round-to-Round Projectile Dispersion = .3 Mil

R_T (in.)	σ_A (Mils)	Range (ft)	σ_{Total} (Mils)	P_H	R_T (in.)	σ_A (Mils)	Range (ft)	σ_{Total} (Mils)	P_H
9	.5	175	.58	1.0	4	.5	175	.58	1.0
		240		1.0			240		.94
		270		1.0			270		.89
	.7*	175	.76	1.0		.7*	175	.76	.96
		240		1.0			240		.81
		270		1.0			270		.73
	1.0	175	1.04	1.0		1.0	175	1.04	.81
		240		.99			240		.59
		270		.97			270		.50
	1.2***	175	1.24	1.0		1.2***	175	1.24	.69
		240		.96			240		.47
		270		.92			270		.39
	1.4**	175	1.43	.99		1.4**	175	1.43	.59
		240		.91			240		.38
		270		.85			270		.31
	1.5	175	1.53	.98		1.5	175	1.53	.54
		240		.88			240		.34
		270		.81			270		.27
2.0	175	2.02	.89		2.0	175	2.02	.36	
	240		.70			240		.21	
	270		.61			270		.17	

- * Aiming error for target at 175 feet from reenactment at AFG.
 ** Aiming error for target at 240 feet from reenactment at AFG.
 *** Aiming error for target at 270 feet from reenactment at AFG.