

<u>2004 RESEARCH PROJECT IDEAS</u>		
	<u>Category</u>	<u>Priority</u>
Accessory Business Support	Accessory	
New Accessory Item ?	Accessory	
Gps Integrated into Stock	Accessory	
GPS's talking with other GPS's - Know where your buddy is	Accessory	
Ballistic Table for PDA	Accessory	
PDA integrated range finder/Ballistic Table	Accessory	
Game Camera	Accessory	
Video/Scope System -combine with digital scope	Accessory	
Game Spotter(infra-red, etc.)	Accessory	
Interactive Training DVD: Hunting, Shooting, Gun Cleaning, ?	Accessory	
Crumple Pad replaceable Recoil pad	Accessory	
Alternate Propellant Study	Ammo	
Light weight shellcase for rifle	Ammo	
Less-Lethal Concepts	Ammo	
Match Rimfire Ammo - review ammo proj 3,5 year plan	Ammo	
Training/Tracer Shotgun Load	Ammo	
Exotic Bullet Shapes (tubular,?)	Ammo	
Shotgun Breaching/Breaching Rounds study	Ammo/Firearm	7
New firearm/ammo System Platform (hunting handgun)	Ammo/Firearm	
Ultrasonics/Rail Gun/???	Ammo/Firearm	
Slug Accuracy Investigation (Ammo & Gun Factors)	Ammo/Firearms	4
M/700EV Electronics Miniaturization (ASIC & Discrete)	Firearm	
Zero Displacement Trigger	Firearm	
Etronn Commercialization	Firearm	
Compliant Mechanism Firecontrol	Firearm	
X-course High Power Match Rifle (Etronn)	Firearm	
M/7400 Etronn	Firearm	
Two-Stage M/700 and 40X Trigger - tie in w/Ronkainen	Firearm	
Freebore vs. Accuracy Study	Firearm	
Recoil Measurement Study of Current Shotguns	Firearm	2
Two Stage Electric Trigger (Zero Displacement 2nd Stage)	Firearm	
Experimentally Optimized Barrel Contour	Firearm	
Closed breech muzzleloader - check with Firearms group	Firearm	
Barrel Vibration Investigation	Firearm	
Recoilless Rifle	Firearm	
Laser ignition Shotgun - corded Shotgun	Firearm	
Composite Long rifle barrel for win mag (Alm. outer w/stl lining)	Firearm	
Muzzle Brakes	Firearms	
Stren/Fishline Initiatives - Guy Cohen - How can we help	Fishline	
Measure Downrange Shotgun Velocity	Lab	
Drop Test Refinement	Lab	
Common Firecontrol Dry Cycle Fixture/2100 capability	Lab	
Dry Cycle adaption to test Endline system on 2100	Lab	3
New TriggerScan Control	Lab	
Shotshell Muzzle Velocity Measurement	Lab	
New Dry Cycle Control - USB W2000/XP capable	Lab	
Downbore Centerfire Pressure Measurement	Lab	
Exterior Ballistic Velocity Measurement (Doppler) investigation	Lab	
Accuracy Measurement System(human factor removed)	Lab	
3-D Pattern Measurement	Lab	

Multi-range Accuracy Measurement	Lab	
Improved High Speed Video Capability-Tie to a project	Lab	
New/Improved Dry Cycles (BA, Shotshell, Break Open, etc.)	Lab	
Failure mode documentation for Shotguns	Lab	6
Competitive Autoloading Shotgun Functional Audit	Marketing	1
Recoil Simulator Improvements "Thumper 2"	Marketing	
Develop Bow Technology/Expertise	New Business	
Mayfield Cost Reduction Efforts	Production Support	
Digital Scope System	Sight Systems	
Illuminated Fiber Optic Sight	Sight Systems	
Iron Sighting Systems (peep, etc.)	Sight Systems	
Youth M/1100 / New Stock + Weight Reduce	Stocks	
Non-Traditional Advanced Rifle Stock	Stocks	
M/700 Synthetic Stock Model	Stocks	
Stock modeling - digitization and prototyping additional stocks	Stocks	
Laminated Stock using Wood & Synthetics	Stocks	
Aesthetically Pleasing Laminated Stock	Stocks	
Cost Effective Super Turkey Stock (Custom Foam)	Stocks	5
Target Plant Support (STS, Sp Clays, Bio)	Targets	