

# Machine Gun News



**SACO's Fifty/.50**

**Slick Bullets**

**Knob Creek  
Fall '94**

**SACO's M2 QCB**

**Gemtech's Quantum 2000 Suppressed Rifles**



# LMO PARTS

## ASSORTED NEAT PARTS

1918 BAR leather vehicle case. Pre-WWII. I've only seen this one!..... \$ 375.  
 AT-4, U.S., inert..... \$ 145.  
 Madsen M-50 parts set..... \$ 195.  
 1918/A2 BAR stock—this is a rare one—English Paratroopers skeletonized buttstock.  
 Only one..... \$ 350.  
 U.S. 81mm bipod assbly—for the M-29, finned bbl..... \$ 275.  
 Mortar sights 60mm, new..... \$ 95.  
 Soviet RPG-18 (their LAW tube) inert, real neat..... \$ 295.  
 M-72 LAW sub-cal. unit, in a Law..... \$ 295.  
 Yugo M57 Like RPG, inert..... \$ 375.

## BARRELS:



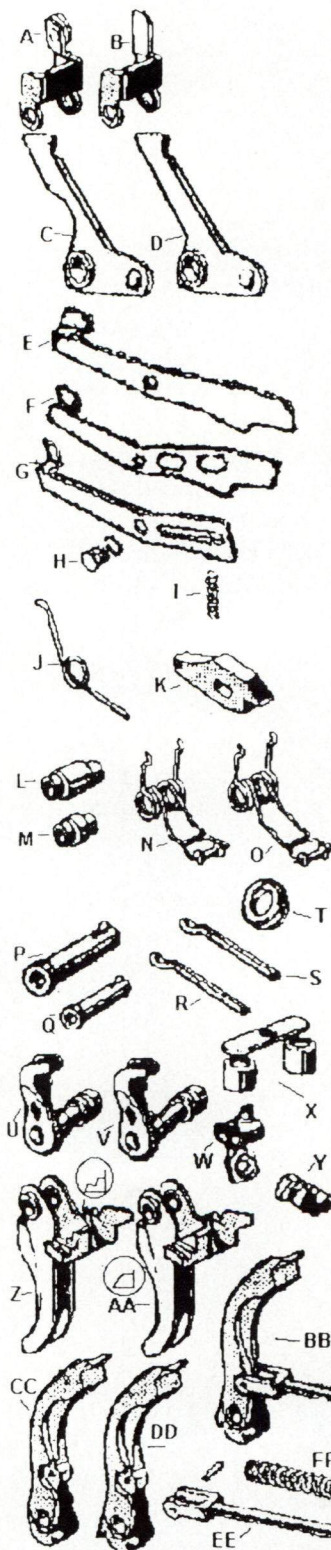
BREN BARRELS: .303, exc. to new  
 MK I's are exc..... \$ 125  
 new..... \$ 175.  
 MK II's are exc..... \$ 115.  
 new..... \$ 155.  
 AM-180 bbl.—.22 full length..... \$ 165.  
 Steyr AUG 16" (black)..... 1..... \$ 695.  
 Uzi 9mm 10" used..... 1..... \$ 45.  
 M60 E-3, Military, exc..... 1..... \$ 475.  
 .50 M2HB, new, complete..... 1..... \$ 350.  
 Beretta PM12S 9mm bbl..... 4..... \$ 195.  
 Hotchkiss Universal 9mm..... 8..... \$ 50.  
 9mm blanks, 5-9", per inch..... \$ 1.  
 MG/08-15, 8mm..... 1..... \$ 75.  
 1919A4 .30-06, new in wrap..... \$ 85.  
 M60, standard, used, bipod..... \$ 195.

## HK NEEDS

A. Roller Catch..... \$ 32.  
 B. Friction Catch..... 29.  
 C. Roller Trip..... 28.  
 D. Friction Trip..... 26.  
 E. G-3/91 Ejector..... 28.  
 F. 33/93 Ejector..... 35.  
 G. MP5/94 Ejector..... 45.  
 H. Ejector Axle..... 8.  
 I. Ejector Spring..... 5.  
 J. Trigger Spring..... 7.  
 K. Primary Sear..... 15.  
 L. Distance Sleeve—MG..... 8.  
 M. Distance Sleeve—SA..... 12.  
 N. Elbow Spring—SA..... 8.  
 O. Elbow Spring—MG..... 6.  
 P. Butt/forestock pin..... 8.  
 Q. Trigger group pin..... Call  
 R. MP5/94 Extractor Spring..... 8.  
 S. G-3/91/33/93 Extractor Spring..... 5.  
 T. Nylon Guide Ring..... 4.  
 U. Selector, Mtl Housing..... 28.  
 V. Selector, Plstc Housing..... 45.  
 W. Flapper mag Release..... 38.  
 X. Locking Roller SET..... 22.  
 Y. Extractor 9-.223 or .308..... 38.  
 Z. Trigger—MG..... 45.  
 AA. Trigger—SA..... 22.  
 BB. MG Hammer w/Shank..... Call  
 CC. Hammer, Semiauto..... 15.  
 DD. Hammer, MG..... 45.  
 EE. Pressure Shank..... 18.  
 FF. Pressure Shank Spring..... 9.  
 COMPLETE FLAPPER MAG RELEASE SET.... 85.

## MAGAZINES—ALL IN STOCK AT LMO:

Magazine	Quantity	Price Ea.
Swedish K. original	15	\$ 65
S&W 76, original	3	75
AR-7 15-rd .22 cal.	2	45.
M-14, U.S., used, good	4	45.
Colt 9mm 32-rd, exc.	2	65.
MK760 9mm, new	10	65.
Port Said, 9mm	2	65.
Madsen M-50, 9mm, new	5	55.
Madsen LMG 7mm,	1	80.
TEC-9 32-rd	5	55.
Beretta AR-70 30-rd	1	195.
Walter MPL, 30-rd	3	65.
Steyr AUG, 30-rd	6	65.
Steyr AUG, 42-rd	8	85.
Thompson 30-rd, good	35	22.
MP-28-II, 20-rd, nice	4	45.
Galil, .223, 50-rd	1	125.
AK .223, 30-rd	2	35.
Johnson 1941, .30-06	3	45.
Chauchat 8mm Lebel	6	18.
Czech VZ-52LMG 30-rd	1	75.
Neuhausen 50-rd 9mm	8	22.
MAC10, .45 cal., new	15	45.
M11 9mm Zytel 32-rd	2	35.
Bren .303, 12/case	2cs	145.
Uzi 32-rd, original	5	45.
Uzi 20-rd, used, good	12	30.
Steyr MPi-81, 32-rd	2	45.
Hotchkiss Universal	25	25.
M3 Greasegun mags, new in the wrap 30-rd .45 cal.,		25.
	5 @	22.
	10 @	20.
	30 @	18.
	50 @	15.
	I Have 50 left	



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 Class 10





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GUNS, PARTS &  
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## Brokered Weapons for Sale:

MG037. MP-43 Fleming reweld vg. cond.  
MG041. Qualified VZ 58 folder, reweld  
MG057. PAWS ZX-5 like new reg. rec.  
MG058. Owen MK 1/42 Pre-86 DS  
MG060. 1914 BSA Lewis good shooter  
MG062. American Arms AR -180 M2  
MG064. Soviet PPSH41 w/orig. drum  
MG066. U.S. Carbine mint M2 Pistol  
MG067. M78 Valmet like new Qualified  
MG071. FN Model D real nice Pre-86 DS  
MG072. Johnson 1941 exc. .30-06  
MG073. Savage .30-06 Model 1918 Pre-86  
MG077. Lanchester MKI Pre-86 DS  
MG074. 1950 Madsen in .30-06 Pre-86  
MG084. S&H Arms Ingram 6 in 9mm  
MG086. Colt 1921 in 93 to 95% cond.  
MG089. Mauser 1932 Schnellfeuer Pre-86  
MG091. Celco 7.62 AK 47 orig. Chinese  
MG094. Steyr Daimler 9mm MP40 vg. +  
MG107. S&W Model 76 like new  
MG108. Ramo 1919A4 New .30-06  
MG111. Rock IS. M60 Post-86  
MG637. Beretta AR-70 Mint  
MG584. WWII German MG42 DEWATT  
MG656. S&H Arms MP5A3 as new sear gun  
MG657. Itacha M3 Post-86 grease gun  
MG658. Colt M16A1 conversion gun  
MG203. Micro UZI bolt gun like new  
MG206. DLO 1919A4 NEW all Israeli pts.  
MG211. Colt 1928 Thompson Pre-86 DS  
MG209. Belgium FN-30 is a C&R gun  
MG588. Ramo 1919A4 w/accessories  
MG589. Reising Model 50, real good  
MG659. RPB Mac 10 original PS frame  
MG660. HK 21 done by Vollmer like new  
MG591. Cobray 9mm M11 NIB

MG661. Swedish K Pre-86 Mint  
MG662. S&S M14 with 13" bbl.  
MG664. IMI Mini UZI Post-86 DS  
MG666. Walther MPK 9 Post-86 sample  
MG676. NEW 1928 Thompson, no box  
MG677. HK G3 complete box, scope etc.  
MG686. Valmet M78 Milled receiver  
MG709. Lanchester MK9 amnesty reg.  
MG710. Springfield SAR HB as new  
MG711. Springfield M1A as new  
MG712. Group Ind UZI & MK9 suppressor

**LOOKING FOR AIRCRAFT GUNS??  
CALL US FOR INFO.**

MG714. HK MP5A3 3 lug flap mag NIB  
MG720. IMI 9mm UZI Pre-86 conv.  
MG721. SWD M11 9mm NIB  
MG722. Qualified MP5A3 w/extras  
MG269. Charter Arms AR-7 in .22 cal  
MG277. Armalite AR-180, exc. reg. rec.  
MG278. Valmet M78 exc. + w/bipod  
MG594. Ruger AC556 vg. to exc. cond.  
MG290. Norrell 10/22 spr. rifle Post-86  
MG303. S&W 76 w/MK bbl. & grips  
MG308. Remington WP 870, NIB  
MG315. H&R M50 Reising 85% cond.  
MG322. Colt 1919A4 95% Prototype  
MG328. Lenix Arms 1919A4 NEW .30-06 bbl.  
MG430. Steyr MPi-81 exc. Post-86  
MG596. New MP5K PDW sear gun  
MG455. Colt/Armalite AR-15 exc.  
MG457. Colt AR-15 reg. rec. as new  
MG460. HK33E in .223 Pre-86 DS  
MG461. HK MP5A3 w/extra bbl.

MG462. Finland Suomi exc. refinished  
MG476. S&H Mfg. FN-C w/Balylock spr.  
MG475. Nessa Browning 1918A2, Pre-86  
MG474. Catco 1919A6, only 1000 rds.  
MG490. SWD M11A1 in .380 reg. rec. NIB  
MG509. UZI full size 45 reg. rec. NIB  
MG600. HK51 by Vollmer NIB  
MG522. FNC Paratrooper folder  
MG549. HK G3 Good cond. reg. rec.  
MG602. HK 33 w/ folding stk.  
MG606. HK G3 reg. rec. exc. +  
MG610. Qualified Steyr Aug 20" green  
MG616. IMI 9mm UZI Pre-86 DS  
MG619. MP5A3 new sear gun w/extras  
MG551. FN Fal .308 reg. rec. NIB  
MG555. Galil ARM 372 Good reg. rec.  
MG561. MPi-69 good Pre-86 DS  
MG601. HK G3 reg. rec. full stk.  
MG575. Valmet 78 exc. HB Pre-86 DS  
MG578. Vickers 8mm Erb transferable  
MG579. Colt Thompson 1921/28 95%  
MG580. H&R Pistol 12 ga. New RR 9" bbl  
SBS09. Cruso W 12 ga. Charlie Erb  
MG602. HK 33 w/folding or full stk.  
MG606. HK G3 reg. rec. exc. +  
MG610. Qualified Steyr Aug 20" green  
MG616. IMI 9mm UZI Pre-86 DS  
MG619. MP5A3 new sear gun w/extras  
MG627. DLO 1919A4, exc. cond.  
MG629. Cobray M11 NIB  
MG630. AR-15/M16 reg. Colt Upper (HTA)  
MG631. Thompson 1921, neat shape  
MG632. Group Inds 9mm UZI NIB  
MG192. Remington Model 17 SBS  
MG717. Colt M16A1 great shape  
MG718. XM15 Colt upper/Sendra lower

All seller info remains confidential. BUYERS call with your needs, we'll cross with our list from dealers.

All weapons preinspected before final transfer from L.M.O.

**Dealers get FFL on file & call for prices.**



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# THE MAGAZINE FOR FULL-AUTO ENTHUSIASTS

# MACHINE GUN

Volume 8 Number 10

March 1995



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On the Cover: Competitor in KCR Assault Rifle Match engages target under the watchful gaze of Range Officer Steve Sumner. Photo by Dutch Hillenburg

*Machine Gun News* is published monthly to serve as a forum for Class 3 dealers and machine gun enthusiasts. We feel it is important that dealers and collectors have a source for new products, news and information involving Title II firearms.

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8mm Mauser Blanks, Wood Tip ● .303 British Blanks ● 8mm Kropatchek Blanks, Wood Tip

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This rare British Army issue Tri-Lux optical sight is now available in the U.S. The 4 power mil-spec unit comes complete with mount. Originally going for \$600.00, this scope is now available at an economical price. (Note: Due to import regulations, the tritium lamp has been removed.)



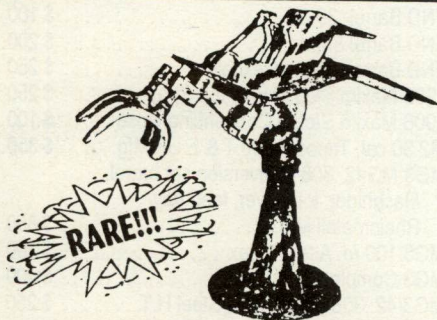
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### RUSSIAN PU SNIPING SCOPE

Rare 2.5 power Soviet sniper scopes. 6-5/8" long, w/military markings. Robust, high quality, compact scope ideal for mounting on military rifles. Will fit on Navy Arms Type 89 detachable mount. Complete with lens cap and scope covers.



Sugg. Retail: \$150.00 **DEALER: \$69.95**



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These rare .50 cal. Browning M-2 Machine gun mounts are designed to support either two air-cooled or two water-cooled .50's. The mounts are complete with shield but are missing the sights. Just in from the Middle East, these units are painted desert tan. A must for the serious MG buff. Available without the shoulder harness.

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**Terms:** All merchandise subject to prior sale. **Dealers:** Send copy of FFL signed in ink to purchase cartridge firearms (faxed FFL's not accepted). NJ dealers send SDL for purchase of all firearms. NY dealers send SDL for purchase of handguns. FFL holders on file with us may request a free catalog and will be put on our dealer flyer mailing list. **Non-Dealers:** Send copy of drivers license signed disclaimer stating that you are not a convicted felon and you are not breaking any local or state laws to purchase ammunition or black powder firearms. **Payment:** COD Charge and Account orders \$35.00 minimum. Prepaid orders no minimum. Visa, MasterCard, and Discover Card accepted. Checks may be held to clear. MO and certified checks processed immediately. Please send or mention daytime phone number when ordering. COD orders cash only unless approved for company check. **Shipping and Handling:** Rifles: \$6.00 on first rifle, \$4.50 each additional. Handguns: \$4.50 on first handgun, \$3.50 each additional. All ammunition is FOB Martinsburg, WV, and will be shipped freight COD (except for open account and charge orders). Ammunition cannot be shipped by Parcel Post or by Air, (UPS Blue Label, etc). Firearm shipments made to address on FFL only, ammunition shipments made to address on FFL or drivers license only. Please allow up to 2 weeks for delivery (varies with ship to location). **Returns:** Prior authorization must be made before returning merchandise. Return must include copy of invoice and statement listing problem with product and daytime phone number. Non-defective merchandise may be subject to 15% restocking fee. For return authorization by phone, call (201) 945-2500 and ask for Returns Dept. or by mail mark envelope "Attn: Returns Dept." Please allow 4-6 weeks for repairs and returns.



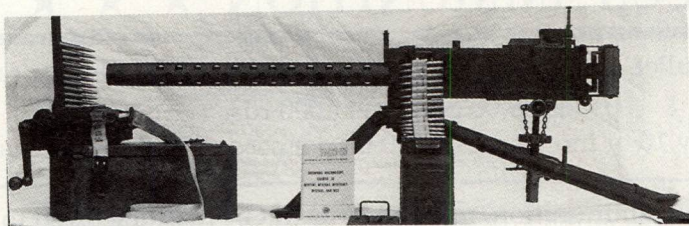
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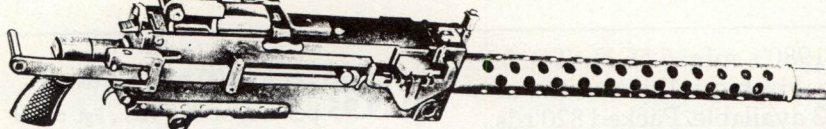
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Chrome Trunion

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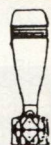
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Links Or Belts

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ANM2 30 cal. Part Set Only	\$ 450
ANM2 Spade Grips Front & Rear Ground	
Sights	\$ 550
ANM2 .308 Conversion Parts Set	\$ 550
M3A1	\$ 185
M1A1 Thompson U.S., G.I. Grade A	\$ 250
Grade B	\$ 200
MAT 49	\$ 200
MAS 38	\$ 200
Italian WWII Breda Model 30 6.5	\$ 550
Beretta Model 38/44	\$ 135
MAG 58	\$4500
PPS43	\$ 150
Madsen Model 46, .30-06	\$ 225
FND BAR .308	\$ 625
1928A1 Thompson U.S., G.I., Grade A	\$ 450
Grade B	\$ 350
1928A1 Thompson w/Flinned Barrel & Lyman sight U.S., G.I.	\$ 575
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PPSh41 w/stick mags	\$ 285
MG3 .308 Rheinmetall complete	\$1500
ZK383 excellent cond. with Bipod	\$ 250
Less Bipod	\$ 200
Swedish K Excellent Condition	\$ 250
MG15 Orig. German WWII	\$1350
M37 U.S. in .30-06	\$ 950
In .308	\$1150
FN-30 in .308 Comp less Right Side Plate	
Excellent Plus Condition	\$ 285

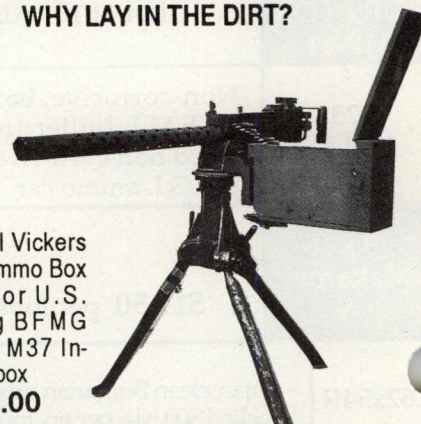
U.S. 60mm inert  
HE mortar round  
Comp. w/fins  
Exc. Cond.  
\$12.50 + shipping



### Magazines

MPK-L 40 rd. Mag	\$ 50
ERMA EMP 30 rd.	\$ 35
MAC-10 9mm 40 rd. Steel Mag	\$ 50
M-3 U.S. .45 cal.	\$ 12
10 for	\$100
ZK383 30-rnd	\$ 65
Madsen .30-06 30-rd. Mag 5—each in original carrying can	\$ 75
FND BAR .30-06	\$ 15
L2A1 30 rd. Unissued Cond	\$ 75
MP41 32 rd. Mint Cond	\$ 55
MP38/40 Flat Side Mag	\$ 55
Bren 8mm 20-rd. Mag	\$ 65
PPS43 Mags 30-rd.	(ea) \$ 35
PPSh41 Mags 30-rd.	\$ 35
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B	\$ 30
	10/\$250
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### 1919A6 conversion

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W/30.06 barrel ..... \$300.00

### Accessories

Vickers Water Can & Hose	\$ 150
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Vickers MKI Tripod new condition	\$ 250
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FND Barrel .30-06	\$100
FND Barrel 8mm	\$ 200
FND Barrel .308 cal. excellent	\$ 250
1908 Maxim Sled Mount Top Strap	\$ 250
1908 Maxim Steam Condensing Hose	\$ 100
M2 30 cal. Tripod Pintle T & E UK Mfg.	\$ 350
MG3 MG42 .308 Conversion set barrel, Flashhider, top cover, feed tray, Rheinmetall Mfg.	\$ 850
MG3 100 rd. Assault Box	\$ 100
MG3 Complete Bolt	\$ 400
MG3/42 .308 barrel 4140 Steel H.T.	\$ 250
1919A4-A6-M37 IMI Mfg. .308 Cal.	
New Unissued Barrels, Chrome lined (ea.)	\$100
	2/\$170
	3/\$250
1919A4 IMI .308 Cal. Links new in Wrap	1,000/\$ 40
	10,000/\$350
Orig. Vickers left side plate	\$ 200



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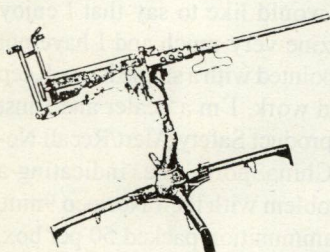
\$650.00



- .308 Chrome-Lined Barrel & Bolt Comp. Set for Pre-Determined Head Space
- .308 Only Feed Tray, New Cond.
- .308 Complete Feed Slide Assembly
- .308 Hard Chromed Reduced Orifice Booster Cone

## U.S.G.I. M63 AA MOUNT

Not cut, in very good cond.  
Comp. w/Ammo tray



\$825.00

## COMPLETE 1919A4 .308 CONVERSION SET

1. New unissued .308 IMI barrel.
2. Enlarged belt holding paw.
3. Front & rear cartridge guides.
4. Right rear cartridge stop.
5. .308 booster cap, muzzle bearing.
6. .308 bolt stripped.

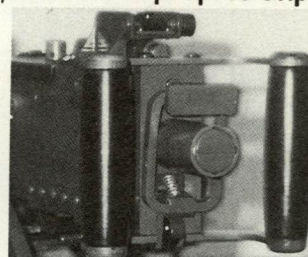
\$350.00

Will modify your 1919A4 Top Cover to use .308 Links .. \$ 65.00

Complete Top Cover modified to use .308 Links ..... \$150.00

These still function in 8mm & .30-06

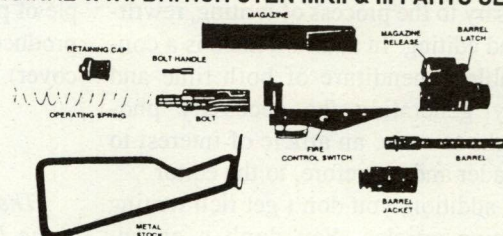
## 1919A4/1917A1 Comp. Space Grip Assembly



\$275.00

With single ANM2 Type Butterfly.  
Orig. Designed by us. Finest quality available.

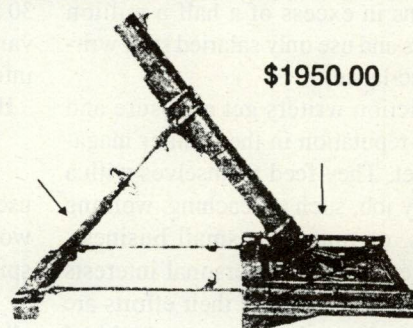
## ORIGINAL WWII BRITISH STEN MKII & III PARTS SETS



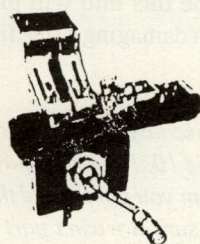
With "T" Stock Spare Mags ..... \$ 8.00  
Very Good Cond. ... \$ 150.00 Orig. Sten Slings .... \$ 10.00

## Orig. U.S. WWII 4.2 Mortar Comp.

In exc. cond. Rendered unserviceable according to ATF specifications (Not Demilled Torch Cut) With orig. M59 Optical sight & case in Exc. Cond. Also Redical Night Light, Gunner Tool Pouch & Maintenance Tool Roll N.O.S.



\$1950.00



**MG34**  
**MG3-MAG .308**  
Belt Loading Machine  
New Cond.  
**\$350.00**

## ORIGINAL WWII

### \*\*MG 34 ACCESSORIES\*\*

- Hot Barrel Pad ..... \$ 25.00
- Flashhider Soaking Can ..... \$ 75.00
- Firing Pin (New Cond.) ..... \$ 20.00
- Firing Pin Spring ..... \$ 10.00
- Bag of 20 orig. Rubber Flashhider Covers ..... \$ 10.00
- Small Parts Cleaning Brush ..... \$ 10.00
- Disassembly Spanner Wrench ..... \$ 15.00
- Barrel Carrier w/Sling ..... \$ 45.00
- MG34 Orig. Transit Chest ..... \$150.00

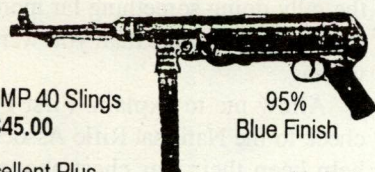
## FINEST CONDITION YOU WILL EVER BUY Original WWII MP40 Part Sets

GRADE A  
\$550.00

GRADE B  
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Original MP 40 Slings  
\$45.00

Excellent Plus  
Condition



95%  
Blue Finish

Limited  
Quantity

MP40 Fully-Transferable Finished Receiver. **\$850**  
All NFA Rules Apply.

## CZECH MOD ZK 383



Less Bipod  
\$200.00

Compl. Part Set 9mm Parabellum quick change Barrel w/Bipod & 30 rd. mag. This is one of the finest quality SMGs ever produced.  
**GREAT FOR NON-GUN**

**\$250.00**

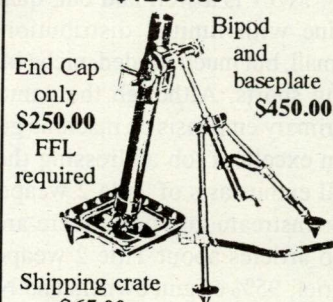
Original M3A1 .308, 8mm, 30-06 Cal.

Belt Linking Machine

**\$275.00**

With 2,000 links **\$300.00**

**ORIG M2- 60MM WW II MORTAR**  
Comp. w/sight, bipod, base plate  
& Orig. Shipping crate  
**\$1250.00**



End Cap  
only  
**\$250.00**  
FFL  
required

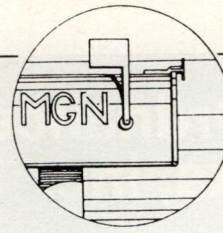
Bipod  
and  
baseplate  
**\$450.00**

Shipping crate  
**\$65.00**

Fully transferable on Form 4  
to FFL Individual or Dealer



# Incoming



## DUST OFF THE OLD UNDERWOOD

There has been some recent complaining about the diversity of articles in *MGN* and lack of articles devoted exclusively to machine guns. Unfortunately, in order to print articles about machine guns, the articles need to be written. There are only so many people willing to devote numerous hours of research and the 30 or more hours necessary to the process of writing, rewriting and editing. In addition there is a considerable expenditure of both time and money generating the necessary photographs to make an article of interest to the reader and, therefore, to the editor.

In addition, you don't get rich writing magazine articles. You don't even approach minimum wage. If lucky, you make expenses and enough to take the wife and kids out to dinner. And you get to pay taxes on what you are paid. You get intangible awards, such as glory, ego, satisfaction, experience, and exposure. The magazines that do pay halfway decently have circulations in excess of a half a million subscribers and use only salaried staff writers (no free-lance).

Non-fiction writers get exposure and develop a reputation in the smaller magazine market. They feed themselves with a regular day job, such as teaching, working for wages, or running a small business. They write about their personal interests and hobbies. If enough of their efforts are published and popular, they may be hired as a staff writer for a larger periodical or be able to branch off into writing non-fiction books. At that point, they may be able to support themselves by writing.

*MGN* is a well laid out, quality magazine with limited distribution filling a small, but much needed, niche in the shooting sports. Although the name suggests primary emphasis on machine guns, it does an excellent job addressing the needs of all enthusiasts of Title 2 weapons. In the mainstream gun press there are virtually no articles about Title 2 weapons. Good grief, 95% of gun owners and NRA members think Title 2 weapons are illegal and used only by criminals.

I happen to really enjoy the mix of articles in *MGN*, and I read almost every word (even the ads). If some of you people out there who are complaining want more machine gun articles, then I would suggest that you turn on the word processor, dust off the old Underwood, or even grab your Crayola and write an article about your favorite buzzgun. Take a couple of photos while you are at it (B&W reproduces better than color, except for the cover).

Keep up the good work,  
Respectfully,  
Phillip D.

*Thanks for the kind words on the magazine. If any subscribers would like to write for MGN, please send for writer's guidelines.*

## NEW RANGE—WEST VIRGINIA

A new shooting range that allows full-autos up to .50 BMG will be opening in May of 1995. "Freedom Range", located in Capon Bridge, West Virginia, will have 30 full-size firing points as well as a wide variety of machine gun rentals. For more information call: (410) 531-2348.

## HONORING THE ANNIVERSARY OF THE BILL OF RIGHTS

Here's something you might want to use in "Incoming" or pass it on to Dan. We wouldn't want to upstage his famous, inspiring quotes in "Raffica."

From one of the granddaddies of liberalism, Democrats were not always totally unconstitutionally arrogant.

*"We Americans know that the determination of this generation of our people to preserve liberty is as fixed and certain as the determination of those early generations of Americans to win it."*

*"We will not under any threat, or in the face of any danger, surrender the guarantees of liberty our forefathers framed for us in the Bill of Rights."*

*"We hold with all the passion of our hearts and minds to those commitments of the human spirit...."*

*Honoring the Anniversary of the Bill of Rights.*

*Franklin Roosevelt 1942*

F.D.R. is criticized by some for spending so much on war materials that they're still showing up today. (In lesser quantity though.) You think perhaps he was trying to make my job of restoring old Harley Davidsons easier? Machine guns?

It's great to see a WLA Harley on the cover of *MGN*. But it's my job to see a dozen things wrong with it...should be 18" wheels, muffler, etc...

Joe K.

## SAFETY ALERT/RECALL NOTICE

First, I would like to say that I enjoy your magazine very much and I have not been disappointed with a single issue. Keep up the good work. I'm a dealer and I just received a product Safety Alert/Recall Notice from ChinaSports, Inc. indicating a possible problem with their Norinco 9mm, 124 grain ammunition packed 50 per box, forty boxes to a case. I'm lucky I have not fired a single round of this ammo through my MP5 but it would have been just a matter of time. Maybe this info will prevent someone else from damaging a fine firearm with bad ammo.

Gary B.

*If you have purchased this type of ammunition after June 10, 1994, you may want to check with whom you purchased the ammo from to make sure it wasn't part of the recall.*

## LETTER RESPONSE

I would like very much to respond to letter-writer P.F. from the January issue of *Machine Gun News*. P.F. expressed disappointment over the less-than-impressive showing of gun owners on August 14, 1994, in Washington D.C. He asks the question, "Where were you?" Well P.F., I for one was sitting 15 minutes away from the rally doing something far more proactive for gun owners than you were: I was writing.

Allow me to explain. First I wrote a check to the National Rifle Association to help keep their war chest above that Sarah Brady's Handgun Control Incorporated. Next, I wrote a letter to my Congressman stating my position on firearms (not to mention requesting a reply). And



then finally I wrote a letter to the editor of the Washington Post—the nation's leading anti-gun newspaper—the one read everyday by the Congress. To date had six pro-gun letters published in it.

One thing P.F. must realize is that non-politically-correct rallies receive NO MEDIA. None, zip, zero! If the newspapers were to print anything pertaining to the rally, it would be the same as offering free advertising to a cause they don't support. I know. I read every local paper for a week after the rally and surfed every local news broadcast. Nothing! I hate to say it, but you would have achieved the same outcome if the rally were held in the middle of a Kansas wheat field.

Now on the other side of the coin. If you were to get six people to wear blaze-orange hats and walk the streets of southeast D.C. after dark claiming your group wanted to take back the streets from the omnipresent violence permeating them, you would have had every major network with satellite dish-adorned trucks covering the event. Sad but true! My advice to P.F. is the next time you want to make a difference for gun owners, pick up a pen.

Sincerely,  
Matthew K.  
NRA Life-Member  
Title II Owner

#### A LOYAL SUBSCRIBER

I was ecstatic to find so much of interest in the January 1995 issue. Sturzenegger's "Swiss Developments in Silencer Technology" and Silver's article "The M42 'Gustav' 20mm Recoilless Rifle" were just the kind of information-packed specialty pieces that keep me a loyal subscriber.

Also, please convey a special thanks to Dan Shea for helping me keep my "pig" running at the SOF Firepower Demonstration. I couldn't let my friend, Peter Kokalis, have the satisfaction of an inop "pig" two years running. Two operative 60's going cyclic side-by-side were more than Peter could bear.

Keep up the good work  
Edgar S.

#### HOME PARKERIZING CORRECTIONS

I would like to make a couple of corrections to a "Home Parkerizing" article in the January 1995 MGN. First we had an ad on page 19 advertising a 3pc. parkerizing kit. I feel we should have been

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LAHTI-Beautiful	\$3000
Solothurn S18-1000 Beautiful	\$7500
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S&W M76	\$1500
1919A4 (Pre May)	\$3000
Chau Chat Dewat	\$550
1914 Hotchkiss (with acc)	\$3500
28 Thompson, several	\$3100
Steyr Solo.	\$2600
MP18	\$2200
MP44 or 43	\$2750
Reising 50	\$650
Jap 100	\$2000
MG08 15 - sling, drum, hanger, port cover hose	\$2450
Erma Emp	\$1750
ZB26	\$3750
Colt 1921 AC 90%	\$4500
Colt MG52A (Baby 50)	\$5250
AR18	\$1900
MG34's	CALL
MG42's	CALL
ANM2 (BSA Conv. to .30-06)	\$2000
(Unusual Set-up—Call)	
Marlin MKV Aircraft	\$2000
.303 Colt Digger (CALL)	\$2000
Jap II	\$950
DP28	\$3000
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M1A1 or M1 Thompson	\$2500
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1921A Thompson (several)	\$3500
Marlin BAR	\$5000
Lewis—several	\$3000
Hotchkiss portative—complete	\$2000
MG08	CALL
M6 Ingram	\$1500
MKII Sten	\$1100
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BREN guns	CALL

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MP2811 (Pre May DS)	\$1400
Austen	\$1250
MP40 (matching)	\$1500
MP18 (rec. only)	\$900
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SG43 Post May	\$2500
Royal BAR or NESA	\$2000
Marlin BAR or Winchester	\$2300
FN mag w/FN mt (post)	\$7250
FND	\$2200
1950 .30-06 Madsen on mt	\$1750
1928 Thompsons-Lyman, Finned, cutts	\$2200
Uzi Full size	\$1600
G1 Fal with Leupold	\$2200
MG 13 Many Acc.	\$5500
Breda 37 Many Acc.	\$7500

#### TRANSFERABLES

Nesa Bar	\$4250
Vickers	\$3250
DLO 17A1 on 17A1 mt	\$4000
45 Uzi reg. bolt	\$500
Jap 99 with 8mm + 77 bbl	\$2500
Valmet Bullpup	\$2800
SAR 48 HB	\$2900
1919A4's .308	\$2500
50's, several	\$4900
MP5, MP5K	CALL
HK51 Reg. Rec. 10"	\$2850
HK53K Sear 7"	\$2850
M16A1's	\$2950
SAR 48 by Ballistics	\$2500
Colt SPI by HTA	\$2300
M2 Carbine Reg. Trip	\$850
Beautiful 1917 BMG (Blued) on Mt.	\$4000
1928 Numrich Thompson New	\$2650
American 180's	CALL
AR18 Conversion	\$1500
M14E2 w/everything	\$2900
AK47	CALL

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Original FMP (Argentina) L.S.R. (FAL) complete  
uppers, chrome lined bbls. New units  
compatible with inch or metric lowers PPD. \$700

#### AOW - Any other weapon

Penn Gun (.410ga.) Conversation piece only \$50

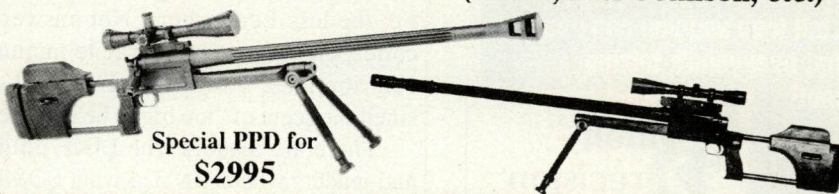
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FND BBLs .308	\$150
FND BBLs 8mm	\$150
Orig 40 round ZB Mags or 8mm Bren	\$150

New bolt, lock frame, and bbl. ext. for Brownings: 1917, 1917A1, 1919A4 or A6.  
All three \$95. PPD.

GATLING GUN—CALL

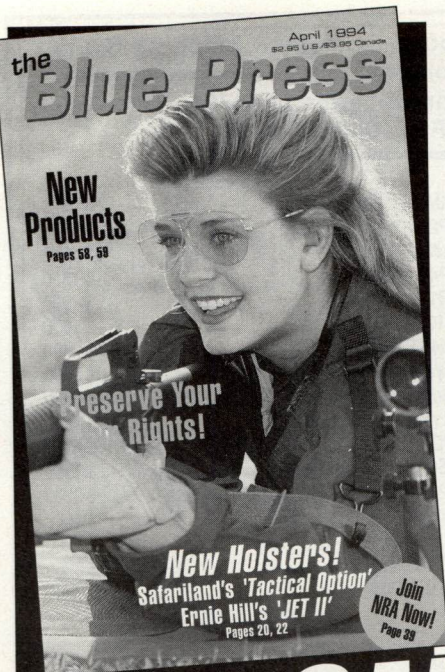
#### Ultimate accuracy .50 cal. rifle (Amac, Iver Johnson, etc.)



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mentioned in the article as a supplier. We have the only three piece parkerizing kit which gives mil spec. results in both gray and black with one kit and that is reusable.

In the article "Home Parkerizing" in the January 1995 MGN there were several mistakes. Mr. Iannamico states that black color is from magnesium. It is a manganese-iron phosphate coating. Mil-spec manganese-iron phosphate coating provides a military gray to black finish depending on time of immersion. Zinc phosphate produces a very light gray coating.

He states that WD-40 should be used after removing the parts from the solution. First the parts should be rinsed in cold water after you remove them from the solution and then a neutralizing oil should be applied. WD-40 should never be used on ANY firearm or parts. WD-40 is basically kerosene and a drying agent. The drying agent eventually evaporates any petroleum protection that might exist. As an aside on some blued guns, it will even remove bluing. You should use the correct neutralizer to prevent the telltale white precipitate that forms on the edges and crevices of some home parkerizing jobs.

Allegheny Arsenal, Inc. under its trade name Guardian Gun Care produces a reusable mil-spec manganese phosphate three piece parkerizing kit which can be reused several times. It includes the parkerizing concentrate, a cleaner degreaser and a parkerizing neutralizer/lubricant. Plus easy to follow instructions.

Other than the above corrections, the article provided very useful information for the home parkerizer.

Sincerely,  
Allegheny Arsenal, Inc.  
Greg Souchik  
**CHANGE ZERO**

There are MANY "gun groups" asking for our money. My policy is to contribute to those groups that (A) treat me as an adult and (B) furnish the "densest" information. When I perceive myself a "mark" or a "rube" and get lost in the shuffle, the less I contribute. Not answering correspondence is a nice way to minimize contributions. Sometimes I swear I can smell the scent of "too big to be bothered."

There are readers who LIKE politics and readers who DON'T. I want SOME. I don't like being an "outsider." Let's keep the balance—strong on "dense" information and weak on moral indignation, please.

We see that antigun REPUBLICAN Henry Hyde is Chairman of the House Judiciary Committee. How did this come about? By what rules? How may this thing be un-done, if possible? How did we end up with change zero?

Arne E.

### SUPPRESSOR MFG. ARRESTED

Tom Seslar of S&H Arms Manufacturing Co. of Arkansas was charged with possession of a controlled substance—5 1/2 ounces of methamphetamine—that was found in the car he was driving after a January 17, 1995 traffic stop. The police received a tip that he would be transporting drugs. A search warrant was issued on January 19th and state and local police searched Seslar's home and business. The agents seized syringes, a pipe with marijuana residue, 31 weapons, a grenade launcher, and two cases of grenades.

Seslar, who is a well-known suppressor manufacturer, testified that the weapons were all legal parts of his business and the grenades found were practice rounds. He said his clients include DEA agents and officers of the ATF. He also described his war record as being a highly decorated Navy Seal which prosecutors are now investigating for a potential charge of perjury.

The weapon-related items that were seized are now in the custody of the Carroll County Sheriff's Department. They are being retained while ATF checks the items against serial numbers legally registered to Seslar.

A few of the items that were seized were under repair or in the process of being transferred from Seslar. Persons with such items can get them back by proving ownership. Copies of paperwork proving ownership should be sent to:

Carroll County Sheriff's Department  
Attn: Lt. Hyatt  
210 W. Church  
Berryville, AR 72616

They are coordinating the investigation with the Little Rock ATF. Another copy may be sent to:

BATF  
425 W. Capital Ste 775  
Little Rock AR 72201

Send your comments to:  
MGN c/o Incoming  
PO Box 459  
Lake Hamilton, AR 71951

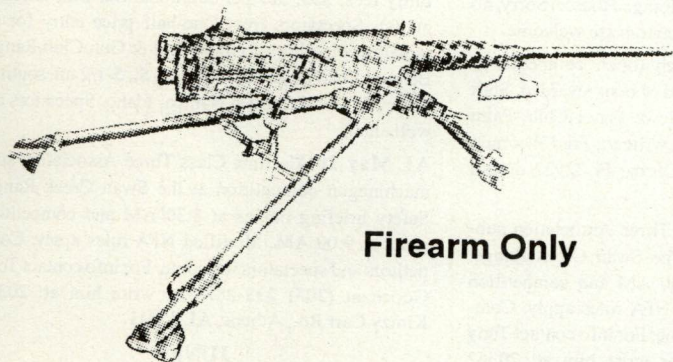


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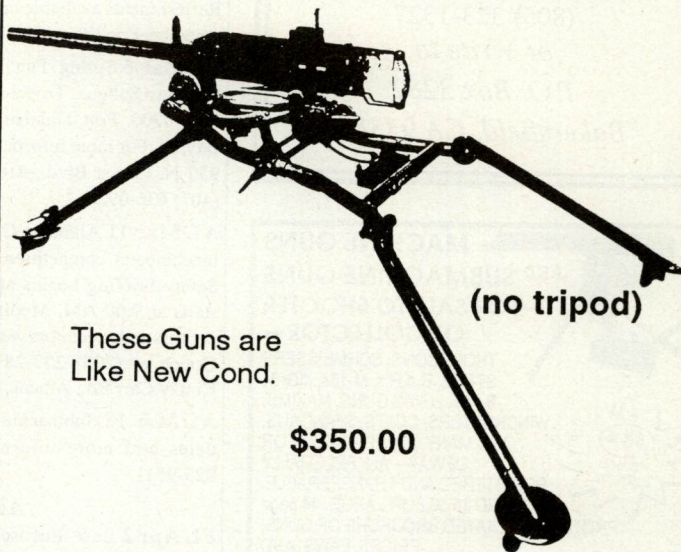


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These Guns are  
Like New Cond.

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## FN-MOD D LMG IN .308 CAL.



Made on special contract from Israeli Gov't. New

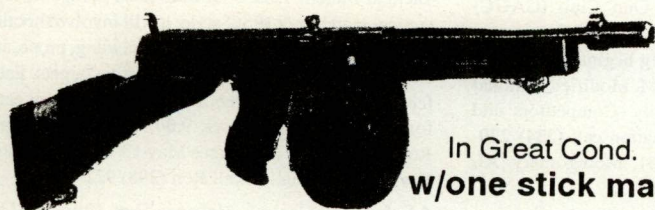
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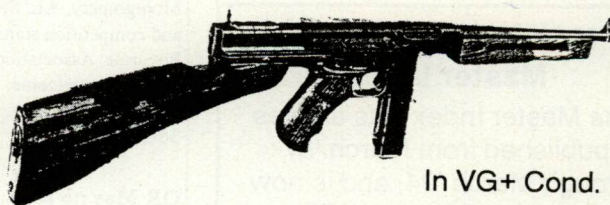


In Great Cond.  
w/one stick mag

**\$450.00**

Orig. G.I. 50-rd. drum  
available additional  
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## CALENDAR OF EVENTS

### MARCH

**ID Mar 4** St. Patrick's Day Shoot! Our first warm weather fun shoot, guaranteed to cure the "cabin fever" built up over the winter. Range fee: \$5 (Ee-Da-How club members free). Spectators free. Black's Creek Range, Black's Creek Road 3 miles southwest of I-84 Exit 64, east of Boise ID. The fun begins at 12:00 noon. Refreshments available in the Range House. (Sorry, no green beer on the range!) Spectators are welcome.

**FL Mar 5** Spring Fun Match (open competition). Full auto Subgun. Trophies and ribbons awarded. Start time 0900. Port Malabar Rifle & Pistol Club, Palm Bay, FL. For more information write to: Fred Woerner, 950 N. Cocoa Blvd., #103, Cocoa, FL 32922 or call (407) 636-0925.

**AL Mar 11** Alabama Class Three Association submachinegun competition at the Swan Creek Range. Safety briefing begins at 8:30 AM and competition starts at 9:00 AM. Modified NFA rules apply. Competitors and spectators welcome. For info contact Tony Gooch at (205) 233-2874 or write him at: 20362 Kimzy Carr Rd., Athens, AL 35611.

**AL Mar 18** Submachinegun Match. For further updates and more information call Mark at (205) 925-9511

### APRIL

**FL Apr 2** Law Enforcement Invitational Match (open competition). Full auto Subgun. Trophies and ribbons awarded. Start time 0900. Port Malabar Rifle & Pistol Club, Palm Bay, FL. For more information write to: Fred Woerner, 950 N. Cocoa Blvd., #103, Cocoa, FL 32922 or call (407) 636-0925.

**KY Apr 7-9** Knob Creek Spring Machine Gun Shoot & Military Gun Show. The nation's largest. Located just south of Louisville. For details write: Knob Creek Range, 690 Ritchey Lane, Westpoint, KY 40177 or call: (502) 922-4457.

**ID Apr 8-9** Seventh Annual Idaho State Auto-rifle Championship. We will offer the semiauto shooters a chance to fire the course on Saturday, with the full-auto competition being held on Sunday. A nontactical style competition, five courses of fire and our famous moving target machine. Entry fees: \$25; \$15 per additional gun; spectators free. One-half price entry for all female competitors. Registration at 11:00 A.M. both days at the Parma Rod & Gun Club Range, Pearl Road (off U.S. 95) 3-1/2 miles north Parma, ID. Refreshments available. Spectators are welcome. For more information call Ron (208) 922-4382.

**AL Apr 29** Central Alabama Gun Club (CAGC) submachinegun competition at the CAGC Range near Montgomery, AL. Safety briefing begins at 8:30 AM and competition starts at 9:00 AM. Modified National Firearms Association rules apply. Competitors and spectators welcome. For information call (334) 270-9975 or write NFA, Box 230131, Montgomery, AL 36123.

### MAY

**OR May** (to be announced) Albany, Oregon 2-day spring MG shoot and matches. Biggest MG shoot on the West coast. For more information call Dick (503) 258-6811 or Mel (503) 928-0961

**FL May 7** Florida East Coast Invitational Match (open competition). Full auto Subgun. Trophies and ribbons awarded. Start time 0900. Port Malabar Rifle & Pistol Club, Palm Bay, FL. For more information write to: Fred Woerner, 950 N. Cocoa Blvd., #103, Cocoa, FL 32922 or call (407) 636-0925.

**ID May 13-14** The IAWCA TAC Rifle/Pistol and TAC Submachine Gun/Pistol Competitions. TAC jungle-lane style events beginning at 9:00 A.M. Day will be fired 1/2 with rifle (semi or full auto) or sub-gun and 1/2 with with pistol. The course will eat up a minimum of 80-rds. (semiauto) or 120-rds. (full-auto) rifle, 60-rds. sub-gun and 60-rds. pistol ammo. Entry fees: \$25, \$15 per additional run with different gun(s). Spectators free. One-half price entry for all female competitors. Nampa Rod & Gun Club Range, Bennett Road (East off 12th Ave. S., 5-1/2 mi. south of Mercy Medical Center) Nampa, Idaho. Spectators are welcome!

**AL May 20** Alabama Class Three Association submachinegun competition at the Swan Creek Range. Safety briefing begins at 8:30 AM and competition starts at 9:00 AM. Modified NFA rules apply. Competitors and spectators welcome. For info contact Tony Gooch at (205) 233-2874 or write him at: 20362 Kimzy Carr Rd., Athens, AL 35611.

### JUNE

**FL June 4** Florida State Invitational Match (open competition). Full auto Subgun. Trophies and ribbons awarded. Start time 0900. Port Malabar Rifle & Pistol Club, Palm Bay, FL. For more information write to: Fred Woerner, 950 N. Cocoa Blvd., #103, Cocoa, FL 32922 or call (407) 636-0925.

**ID June 10** IAWCA Annual Picnic and Fun Shoot! Festivities begin at noon at Black's Creek Range (see March 95 for directions). Our monthly Association meeting will be held after lunch. Refreshments available. Range fee: \$5 (Ee-Da-How club members free); spectators free. For more information call Ron (407) 922-4382.

**NH June 23-25** NH The North Country Spring Machine Gun Shoot & Show. Stratford Hollow. Minute Man Shooting Club. For further information concerning lodging, campgrounds, restaurants, airports and directions write to: North Country Shoot, P.O. Box 357, New Boston, NH 03070 or call: (603) 487-3884.

### JULY

**FL July 2** Freedom Match (open competition). Full auto Subgun. Trophies and ribbons awarded. Start time 0900. Port Malabar Rifle & Pistol Club, Palm Bay, FL. For more information write to: Fred Woerner, 950 N. Cocoa Blvd., #103, Cocoa, FL 32922 or call (407) 636-0925.

**ID July 15** IAWCA Pistol/Shotgun/SMG 3-Gun Tactical Match. This is an individual competition. A tactical match shot IPSC-style, it will involve shooting around barricades, while running, crawling, prone, and standing at various moving and reactive targets. Entry fees: \$25; spectators free. One-half price entry for all female competitors. 9:00 A.M. at the Nampa Rod & Gun Club Range (see May 13-14 for direction) For more information call Ron (208) 922-4382.

**AL July 29** Central Alabama Gun Club (CAGC) submachinegun competition at the CAGC Range near Montgomery, AL. Safety briefing begins at 8:30 AM and competition starts at 9:00 AM. Modified National Firearms Association rules apply. Competitors and spectators welcome. For information call (334) 9975 or write NFA, Box 230131, Montgomery, AL 36123.



## AUGUST

**FL Aug 6** SWEATIN' Bullets Match (open competition). Full auto Subgun. Trophies and ribbons awarded. Start time 0900. Port Malabar Rifle & Pistol Club, Palm Bay, FL. For more information write to: Fred Woerner, 950 N. Cocoa Blvd., #103, Cocoa, FL 32922 or call (407) 636-0925.

**OR Aug 6-7** Oregon State Shooting Assn (OSSA) and Washington State Shooting Assn (WSSA) SMG, Assault Rifle and crew-served state championship shoot Siletz, Oregon. For more information call Jim (eves) (503) 656-0210 or write him at: P.O. Box 993, Oregon City, OR 97045

**ID Aug 12** Eighth Annual Idaho State Championship Submachine Gun Competition! A nontactical style event including five courses of fire. Entry fees: \$35; \$20 per additional gun; Spectators free. One-half price entry for all female competitors. To be held at Parma Rod & Gun Club Range (See May 13-14 for directions). Shooters, spectators, IAWCA members and visitors are welcome!

**NE Aug 11-13** 1995 Fun & Freedom Shoot. Roger Well's Range, Kearney, NE I-80 exit, 1 mile west, 1 mile back north. Spectors \$3.00 day, shooters \$6.00 day, \$10.00 weekend. Tables available \$15.00 weekend. Primitive camping on premises. Friday night BBQ. For more information contact Walter B. Kamp II (308) 236-7854. Or write at RR 6 Sheens Court #4, Kearney, NE 68847.

## MONTHLY

**NC 1st Sat** Triad Action Shooters Klub (TASK). Machine Gun Match held the 1st Saturday of every month. 12:00 noon. For more info write: Captain Monty Mendenhall, Triad Action Shooters Klub (TASK), 100 Wildwood, Thomasville, NC 27360 or (919) 475-4495.

**OR 2nd Sun** The Albany Rifle & Pistol Club holds submachine gun (pistol calibers only) matches on 2nd Sunday of every month at 10 A.M. Shooters fee \$5. Non club members are welcome at all our events. For more info write 100 Cedar Dr. Lebanon, OR 97355. Or call Dick (503) 258-6811 or Mel (503) 928-0961.

**FL 1st & 3rd Sunday** The Port Malabar Rifle and Pistol Club, Inc. conducts full-auto sub-gun events on the 1st and 3rd Sunday. Unless otherwise specified, the 1st Sunday is a match and the 3rd Sunday is practice. For more info write to: Fred Woerner, 950 N. Cocoa Blvd., #103, Cocoa, FL 32922 or call (407) 636-0925.

## Points of Contact

**AL** Mark Harger P.O. Box 77008, Midfield, AL 35228-0008 (205) 925-9511. Or write NFA, Box 230131, Montgomery, AL 36123.

**AL** Tony Gooch at (205) 233-2874 or write him at: 20362 Kinzy Carr Rd., Athens, AL 35611.

**FL** Fred Woerner, 950 N. Cocoa Blvd., #103, Cocoa, FL 32922 or call (407) 636-0925

**ID** Ron (208) 922-4382.

**KY** Knob Creek Range. 690 Ritchey Lane. Westpoint, KY 40177 or call: (502) 922-4457

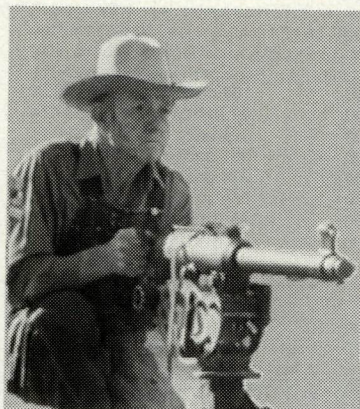
**NE** Walter B. Kamp II (308) 236-7854. Or write at RR 6 Sheens Court #4, Kearney, NE 68847.

**NH** North Country Shoot, P.O. Box 357, New Boston, NH 03070 or call: (603) 487-3884.

**NC** Monty Mendenhall, Triad Action Shooters Klub (TASK), 100 Wildwood, Thomasville, NC 27360 or call (919) 475-4495.

**OR** 100 Cedar Dr. Lebanon, OR 97355. Or call Dick (503) 258-6811 or Mel (503) 928-0961.

For your event to be listed in the Calendar of Events please contact us at Machine Gun News, P.O. Box 459, Lake Hamilton, AR 71951 or call us at (501) 525-7514 or fax us at (501) 525-7519.



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## REENACTMENT EVENTS

Note: Most of the events listed here are either closed to the public or are by invitation only and participants must register with the event sponsor. Names and addresses are given so one may write or call for further information.

### WORLD WAR II

**GA Mar 4-5, 1995 World War II Live-Fire Demonstration.** To be held at the Red Hill Firing Range at Toccoa, GA. Sponsored by the National Military Historical Association. Contact Lance Jones at (912) 329-9900 (home) or (912) 926-4242 (work).

**TN Mar 11, 1995 Eastern Front Battle.** To be held near Columbia, Tennessee. Sponsored by the 9th SS Division of the TSG. Contact: Dan Goodwin, 2702 Linmar Ave., Nashville, TN 37215. (615) 383-7945.

**OH Apr 21-23, 1995 Western Front Battle.** To be held at the Woodlands Trail Boy Scout Reservation near Camden, Ohio. Sponsored by the WWII Historical Reenactment Society. No further information at this time.

**CO Apr 28-29 1995 Western Front Skirmish.** To be held at Wilkerson Pass, Colorado. Hosted by the WWII Living History Regiment. Contact: Dean Byrne, Box 5813, Security, CO 80931. (719) 392-1300 (after 7:30 pm MST).

**AR May 26-28, 1995 Living History/Public Display Battles.** To be held at Fort Smith, Arkansas. Sponsored by the City of Fort Smith, The Darby Foundation, and the 1st Infantry Division of the WWII Historical Reenactment Association. Contact Russ Pennington at (501) 756-9817.

**KY Jul 4, 1995 Public Display Battle.** To be held at Fort Knox, Kentucky. Sponsored by the Patton Museum. No further information at this time. Note: this event is under a TSG "Reenactor's Advisory."

**WY Aug 26-27, 1995 Italian Front Battle.** To be held north of Carter, Wyoming. Sponsored by the WWII Living History Regiment. Contact: Dean Byrne, Box 5813, Security, CO 80931. (719) 392-1300 (after 7:30 pm MST).

### VIETNAM

**Jun 24-25, 1995 'Nam Battle.** To be held near Rampart, Colorado. Hosted by the WWII Regiment. Contact: Dean Byrne, Box 5813, Security, CO 80931. (719) 392-1300.

### MISCELLANEOUS

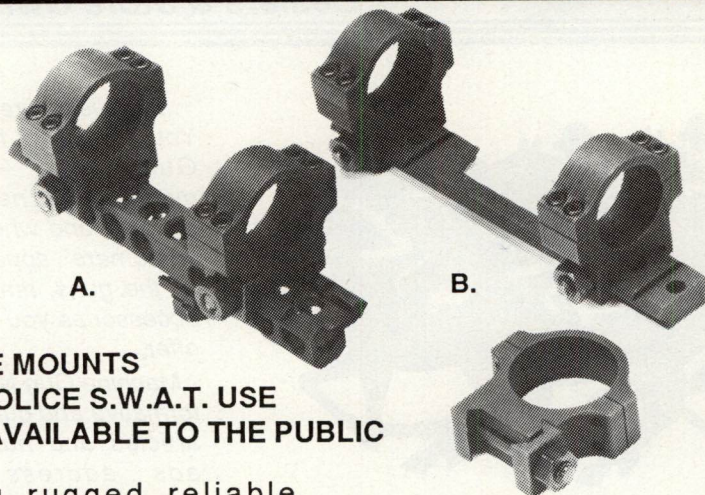
**IL Mar 3-5, 1995 Egyptian Campaign 1995.** To be held at Southern Illinois University at Carbondale, Illinois. Hosted by the SIU Strategic Games Society. Contact: SIU-SGS, Office of Student Development, 3rd Floor Student Center, Carbondale, IL 62901.

**IL Mar 16-19, 1995 Little Wars 1995.** To be held at the Ramada Hotel O'Hare, Rosemont, Illinois. Hosted by the HMGS Midwest. Contact: Jeffrey Hammerlund, 107 West Chicago, Algonquin, IL 60102. (708) 658-4333.

This information is courtesy of Breakthrough. For more information on the magazine write to:

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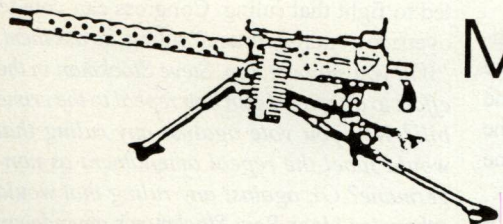
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# It's Time to Press On!

## Tell your Rep. that *now* is the time to pass the ban repeal

by Gun Owners of America, 8001 Forbes Place, Suite 102, Springfield, VA 22151, (703) 321-8585, fax: 321-8408

(February 2, 1995)—By now you've probably heard about the deal that was struck last week. The Republican leadership decided that now is not the time to pass our Second Amendment agenda. So they've broken up the crime bill into 7 or 8 separate bills, thus making an amendment to repeal the gun ban a "non-germane" amendment, if offered as an amendment to any one of these separate "crime bills." In doing this, the leadership has set back our efforts to attach a gun ban repeal to a very popular crime bill, and have instead stated we will get hearings on the gun issue beginning in March. (Some pro-gun leaders think a vote could *possibly* occur in May.)

Well, not all gun owners agree that we should just wait for the hearings. In fact, many of you have called us and told us that while hearings are fine, we need to continue pressing on the offensive; *to fight the battle on several fronts*. After all, they've **ONLY** promised us hearings to begin in March. When will the vote come in the House? When will the vote come in the Senate? Will it ever get to the President's desk? Many people have asked, "is there anything we can do?"

Yes, there is. During the past week, Gun Owners of America has been looking for legislators on Capitol Hill who would support an effort to attach the repeal of the gun ban to the crime bill—even if it means using some complicated parliamentary maneuvers. *We are pleased to report that we have found some people in Congress that are willing to fight this battle*. And Rep. Steve Stockman (R-TX) is going to lead the fight!

But Rep. Stockman has asked GOA for YOUR help! He needs you to blitz Congress by fax and phone. He needs you to put the heat on your Representatives. He needs you to get your friends and family members to call and fax. In short, he needs you to deluge the Congress with calls, and to let them know that you're mad about having to wait.

**We will lose momentum if we delay; now is our best shot.** Delaying a vote on the ban repeal will only give Charles Schumer & Co. time to plan their counter attack. Right now it's the anti-gunners that are reeling. Clinton has recently stated at least **THREE** different times that the gun issue helped defeat several anti-gun Democrats and gave Republicans control of the Congress. *Campaigns & Elections* magazine (Dec./Jan. 1995) stated that gun control helped defeat over 60 De-

mocrats last Nov. 8.

Our best chance of getting the repeal enacted is to put it in the crime bill and to give the President a tough choice: either sign the bill (with the gun ban repeal in it) or face the political fallout for vetoing a popular crime bill. **HERE'S WHAT YOU MUST DO:**

**\*Call your Representatives (202) 225-3121 and urge them to support an amendment to one of the separate crime bills that would repeal the gun ban.** Tell them that you do not support a delay. Tell them that we should try to attach the ban repeal to the crime bill when the anti-gunners are retreating. (In fact, President Clinton has gone so far as to say that gun control was the ONE issue that cost him several Democratic Congressmen and thus, the control of Congress.)

1. Your Congressman may tell you that an amendment to repeal the gun ban would not be "germane" if offered to one of the crime bills. (In fact, the Republican leadership will use such an argument to try and sink any repeal amendment that is offered.) But tell them that Gun Owners of America is working with legislators who have commit-

ted to fight that ruling. Congress can vote to override a "non-germane" ruling. *So ask them, "Will you support Rep. Steve Stockman in the effort to attach the gun ban repeal to the crime bill? Will you vote against any ruling that would label the repeal amendment as non-germane? Or, against any ruling that would otherwise block Rep. Stockman's amendment from being offered?"*

2. Your Congressman may also want to tell you that we will be getting a vote on repealing the gun ban in 90 days. Answer: First, nothing is ever for certain — we can't be sure of that, nor can we be sure we'll even get a vote in the Senate. Second, this method would try to get a stand-alone gun bill through the Senate and past the President. It will never work. We want the repeal provision to be attached to one of the crime bills that is moving through the House right now!

**\*When you get an answer from your Congressman, please fax it to us — "yes," "no," "undecided" or whatever they say.** This will help us get a vote count and let us know who needs more pressure from the grassroots

## Et tu Gingrich?

(February 8, 1995)—The Republican leadership has stalled our chances for attaching a gun ban repeal to the crime bill.

Not only have they turned the heat on their fellow Republicans, they have thrown down a maze of procedural roadblocks that has made it impossible for Rep. Steve Stockman to challenge their actions.

Many Americans expected the repeal of the Clinton crime bill would include a repeal of its unconstitutional ban on an entire class of firearms. Many of the new Congressmen, elected by the votes of pro-Second Amendment Americans, felt likewise. Even the news media seemed to be expecting this effort, with anti-gun programs scheduled for *Day One* and *60 Minutes*.

The effort we were all expecting has not materialized. Credit for killing the repeal effort as an amendment to the crime bill clearly goes to the Congressional Republican leadership.

In fact, the Republican leadership has told GOA that they do not want the repeal amendment in the crime bill because they would rather shove the repeal provision down Clinton's throat as a stand-alone bill. Translated: they're not really concerned about pursuing our interests or about getting the repeal measure enacted. They simply want to use the gun issue as a political tool to get a Republican President elected in 1996.

If they were concerned about our interests, they would pursue every available option to pass the repeal provision. They would certainly pursue the best avenue to get the repeal enacted.

*Several Democratic Congressmen have told GOA they truly believe that Clinton would have to sign a crime bill that has a gun ban repeal in it. They do not think he can afford to veto such a measure after having seen (and admitted) what the gun issue did to his party last November and having his own election around the corner.*

Let's keep the heat on the leadership. You can send a Western Union mailgram to your Congressman and to Newt Gingrich by calling 1-800-651-1GUN. The mailgram urges them to do everything within their power to get a repeal measure attached to the crime bill. A fee of \$8.95 will be charged to your phone bill.





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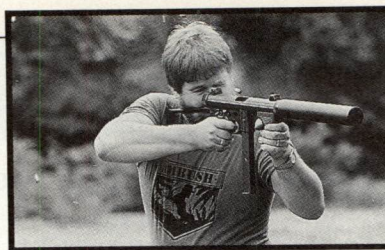


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# Raffica

by DAN SHEA



"Never give in, never give in, never, never, never—in nothing, great or small, large or petty—never give in except to convictions of honor and good sense."

— Winston Churchill 1941

## C-1776 UPDATE

The Committee of 1776 met in St. Louis on 4 Feb, 1995. The Rally for Firearms Rights is on—Washington D.C., 4 June, 1995. More info will follow next month in its own section of *MGN*. If you believe—be there. Bring others. Let's make it clear to the public servants that there is a mandate for them to not only stop the assault on the Constitution but to reverse the infringements that are already there!

## ONWARD TO MG'S

I have recently been told that in the 1950's, when 7.7 Jap ammo was impossible to find, Class 3 enthusiasts would convert their Jap guns to .30-06 by running a .30-06 finish reamer in the chamber and setting the bullet back about .250" so that it would fit in a standard magazine. I would like to hear more about this: how well it worked, etc. If you have one of these guns in that caliber, or were involved in one of these conversions, please send a note or fax to "Raffica."

## Info in regard to the M60 Article

Mary, Advertising Manager at *MGN*, talked to a subscriber named Tom S. He is an Army Reserve Armorer and has two M60's in his armory that have been stamped "Springfield Armory." Hey, Mary, see if they're transferable! I personally rooted out two Springfield's in the back room at Saco—so there are some out there.

## MYSTERY PHOTO

I think I can identify the February mystery photo. The items are 2x scale magazines for the 2x scale training models of the BAR and M1 carbine. The two cartridges in the picture are 2x scale .30-06 and .30 carbine.

Capt. Monty Mendenhall

*Right on, Monty. The larger of the two is for the 1918A2 BAR trainer, and the other was with an M2 carbine trainer—kind of a rare beast. Usually you only see the M1 trainers. The trainer mags are the same, though. You only missed one part that another Rafficarman noticed:*

Once a month everything in this office stops until I read *MGN*, cover-to-cover. This month was an exception. When I got

to page 14, I finally had a clue as to one of your mystery photos. So I stopped reading until I forced a paralegal to take this letter.

On the left twice-lifsize BAR training aid magazine and plastic bullet; on the right is twice-lifsize M1 carbine training aid and two plastic bullets; and in center appears to be a United States quarter.

On a more serious note, I just concluded sitting as a commission member on the Pennsylvania Select Committee to Investigate Automatic and Semiautomatic Firearms. The most significant result of the Commission's work to date is that automatic and semiautomatic weapons are not a significant cause of crime; and consequently, there will be no gun bans in Pennsylvania for the immediate future. It is interesting to know that after fifty hours of testimony by the leading experts on both sides of the gun issue, the conclusion is exactly what most gun owners already knew—that it is not the gun but the criminal that needs to be controlled.

I also would like to share with you that every witness that I cross-examined on the issue agreed that the most well-behaved group of firearms owners are those so called "Class 3 owners."

I have been assured that a formal report of our findings will be prepared and I will see to it that you get a copy.

Daniel Del Collo, Jr.

*One big "Attaboy" to you, sir. That identification of the American Numismatic piece definitely moves you into the RKI category! It is interesting to read that your committee came up with the answers that we knew were true—I'd love to have a copy of the report. It is true that (with a few notable exceptions) Class 3 people are a pretty polite and well mannered bunch. Nice to hear that it came out in the hearings!*

**Q** My first NFA weapon is a Mini Uzi SMG sear gun conversion. In the process of researching technical information to help me get my mind wrapped around the gun, I ordered the *MGN* back issue that contained Al Paulson's pithy article (Feb. 92). Aside from the frightful selector switch Mr. Paulson so rightly criticizes, the high cyclic rate of about 1250 rpm is the only thing I don't care for. The little beast wants to "write off the page" if I don't concentrate hard. For-

tunately my brother (a SWAT cop) and Dennis Taylor, a buddy who runs the American Small Arms Academy, a tactical school for armed professionals near Camp Lejeune, NC, got me right with the gun, and I was ready to live with the high rate by controlling it through practice.

While I already knew that the most effective way to slow down the cyclic rate of recoil operated pistols and buzzguns is to make the reciprocating bolt heavier. I had no idea that a factory-made, heavy bolt option existed until Mr. Paulson's article placed the information in my hands. Although the closed bolt option has been available for some time through a variety of dealers, I've never seen the heavy bolt offered anywhere. Ordinarily the importer would be my first stop to try and get one, but I seem to remember that Action Arms unloaded its parts inventory for IMI stuff a couple of years ago, so I'm not sure where to start looking. Can you make a recommendation?

If IMI still makes this part (I assume that the Mini Uzi is still a production item in Israel), would it be possible for me as a qualified individual to order one from overseas? Since my gun's sear is the registered component, would the bolt alone be an NFA item? If getting the part from overseas proves too tough, is there a Class 2 gunsmith experienced in adding the necessary 12 ounces of tungsten weights to the bolt? If not, would the work be beyond the capabilities of a reasonably handy individual with a drill press?

And hey! How 'bout those voters in the rock-bound state of Maine? Tom Andrews (undoubtedly a Fifth Columnist for the People's Republic of Massachusetts) whining about Olympia Snowe's resounding victory over him for George Mitchell's U.S. Senate seat was not to be missed. Andrews is putting it about that Olympia only won because she had more money than he did. Yeah, Tom, along with more personality, better looks, more political sense and more voters than you had, too. Ha! It's nice to live in a civilized place.

G.K.M.

**A** I do not believe that the slow-down bolt is commercially available at this time. I have seen a few examples, some of which were done in custom shops. I would say that



the job is not beyond the scope of a real gunsmith or machine shop with some firearms experience. If any of the Raf-ficarians out there know of someone bringing this product, please send a note and I will pass it on. You would be able to get a bolt from Israel if they would take the time to talk with you, but I doubt that they would. The American civilian market is not their target consumer group. The import procedure would be to use a Form 6 to import a firearm part. This brings up a question in my mind on how the conversion was done. Was the rail removed so that the gun will use an original MG bolt? Or was the bolt slotted for the rail. If the bolt was slotted, you are kind of stuck with altering that one. If the rail was removed, you could switch bolts around.

**Q** I've got a couple of questions I hope you can help me with. First, is there any way of removing the barrel shroud from a Ramo 1919? I'm under the impression they are silver soldered on. I would like to remove mine so I may install a short barrel but don't want to go through having the receiver reparkerized. Basically, I'm looking for a simple solution. Second, I own an SP-89 conversion "dressed" and would love to have a collapsible stock installed. Who can I count on to remove the plates to the rear of the receiver and reblue the receiver as well as add on the collapsible stock so that it appears factory?

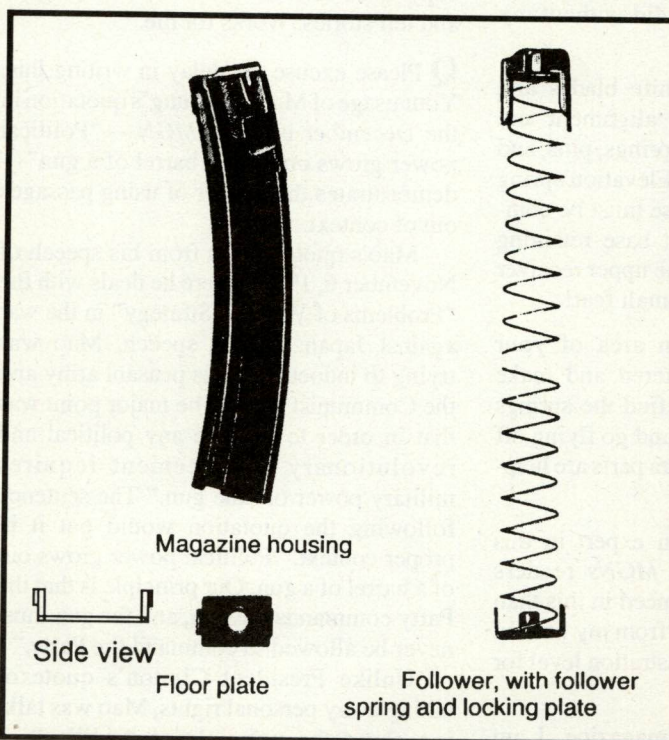
Rob A.

**A** On the MP5-K refinish, you should go to your back issues and peruse the one on the HK custom shops (Jan. 94 Vol. 7 No. 8) then choose one that suits you. Your 1919A4 barrel jacket should come off. Firmly clamp the receiver in a manner that won't allow it to twist—lead jaws in a vise. Remove the staked screw that is holding it in place, on the barrel jacket, near the receiver. It is a normal right hand thread. Take a steel rod that is the thickness of the holes in the shroud (just over 1/2"), insert across the holes closest to the receiver, and turn the shaft. Stan Andrews told me that I could distort the holes in the shroud that way, and a more correct way (the way HE does it) is to insert a mandrel, sized to the interior of the barrel jacket, down to the base of it, by the receiver, then clamp the barrel jacket in a lead jaw vise. Using a receiver wrench, he turns it off. I tried to reach some other RKT's on this but couldn't get through. One thing—if the shroud is silver soldered on, which Ramo did do (from all accounts), the solder must be heated before the twisting pressure is applied. This is a process for the professional.

**Q** Just a quick question. I can't seem to be able to take apart an HK 9mm magazine. Any info would be appreciated.

Leroy C.

**A** It's not as complicated as it may appear. Make sure the mag is not loaded so that the spring pressure is not too great, press in the depression in the bottom of the magazine with a rod, which pushes the locking plate out of the way so the floor plate stops will now move, then squeeze in the two notches that are on the floor plate. The floor plate will then pop out of the bottom of the mag—under spring tension. Reassembly will be obvious; it just clicks into place.



Disassembled HK MP5 Magazine

**Q** Two questions for you:

1) How do you recommend to clean weapons? Is it acceptable to just kinda "blast out" the action with "WD-40" or "Gun Scrubber"? If you use "Gun Scrubber," which degreases, what do you use to protect the internals from rust? How do you clean the chamber of an HK 91? A flash hider? How do you protect the exterior of the gun from rust—especially under the stocks. Is it OK to leave a little oil on the plastic stock of a rifle? Do you really need to get rid of every little scuff or brass from the feed ramp and copper from the bore? I guess this is a sorta' basic question of gun care, but most texts written on this subject address the hunter who has fired a couple shots through his bolt gun, not someone who gets home late from the range with a

half dozen dirty guns and a garbage bag full of brass. Perhaps this would be a good subject for an article.

2) Norinco .308 seems to have a very thin copper wash over a steel jacketed, lead cored bullet. Will this damage a barrel? I've met one person who claimed to have pounded a bunch of this through a 1919 with no ill effects, but he also hadn't realized that it was steel jacketed. So, maybe he wasn't looking for damage. Norinco 7.62x39 also seems to have a steel jacket, but it has a much thicker copper coating over it.

I also wanted to comment on the many fine articles in your magazine recently, particularly the January issue.

Jeff K.

**A** Come on, Jeff, that is two questions in twenty parts....

We've gone over the need for a parts washer before. If you don't know what that is, go to the tool section in an automotive supply store. Gun Scrubber has its place if you are going to replace the protective lubrication coating immediately. How do I clean them? That's a bad question to ask, I am not as good as my Drill Sergeant taught me to be, (but then he always new I was worthless anyway). The truth? The cleaner you get them, the more nit picky you are, the better chance the weapon has of having a

long, functional life. Get the metal off of the feed ramp. Get a series of brushes from stainless to brass to nylon. M60 receiver brushes (the square ones) work well on HK receivers, as do the standard M16 chamber brushes. Toothbrushes. You want a magic wand, and I don't have one. Elbow grease and lots of patches.

That Norinco .308 was cheap and reliable. 1919A4 gunners can run it all day; barrels are cheap and easy to change. Should you run it in your G-3? Can you change the barrel? Remember that the bullet PUSHES through the barrel, its diameter is larger than the bore. That copper wash wears in the grooves, and the steel will wear your barrel. How much? I haven't seen any exact numbers, but I wouldn't use it on any of my expensive collector pieces.



**Q** Boy, I'm glad you ran that letter about the difficulty with assembly of the M16 A2 rear sight. I am glad to know that it wasn't just me. I've assembled several AR-15s, and I STILL have to get the picture out sometimes to put the thing together correctly. I am enclosing copies of pages from the DPMS and Pac West Arms catalogs that show (I think) a little better than your drawing the manner of assembly. I have also found that a dab of grease on the ball bearings helps them stay in place, and I can't see where it would hurt in the operation of the sight. You will notice that the three small springs and the three ball bearings are identical. The index screw (#11 in the drawing) is so small that you may have difficulty believing it IS a screw. (I did without my glasses!)

I use various small knife blades and punches to help with the alignment and installation of the various springs, pins, and ball bearings. The Helical Elevation spring that fits inside the sight base must be compressed to allow the sight base retaining pins to be driven through the upper receiver and sight base. This is no small feat!

One last tip: Find an area of your workbench that is uncluttered and make plans to make it easier to find the springs when, not if, they pop out and go flying off in unknown directions. Extra parts are helpful!

I don't claim to be an expert in this assembly, and many of *MGNs* readers probably are more experienced in this than I, but these tips are offered from my limited experience to lower the frustration level for the novice.

Thanks for the great magazine. I am disappointed, however, because I have had the January copy for less than 24 hours and

I have already finished it, so what do I do until February?

Bill M.

**A** The M16A2 rear sight assembly support group may now come to order. Many of us are aware of the "Geeez" springs... you move a pin and "Sproing!", "Oh-oh, Geeez, where did that go?!" Sometimes I cover everything with a large clear plastic sheet so that I don't have to crawl around on the floor for hours looking for those @\$\$% @ Geeez springs.

What to do with your copy of *MGN*? Read it again, lend it to a friend, quote it copiously in your daily life, and save it as a "collectible." What to do until your next copy of *MGN* arrives? Shoot, clean guns and tell stories. Works for me.

**Q** Please excuse the delay in writing this. Your usage of Mao Tse-Tung's quotation in the December issue of *MGN* — "Political power grows out of the barrel of a gun" — demonstrates the danger of using passages out of context.

Mao's quote comes from his speech of November 6, 1938, where he deals with the "Problems of War and Strategy" in the war against Japan. In this speech, Mao was trying to indoctrinate his peasant army and the Communist Party. The major point was that in order to achieve any political and revolutionary advancement requires military power or "the gun." The sentence following the quotation would put it in proper context. "Political power grows out of a barrel of a gun. Our principle is that the Party commands the gun, and the gun must never be allowed to command the Party."

Unlike President Clinton's quote of taking away personal rights, Mao was talking about the principle of "civilian" or Communist Party control of the military.

The issues and context being addressed are totally different, and in this context, Mao Tse-Tung was right and President Clinton is wrong.

Sam L.

**A** Sam, I was not aware of that difference, but now that you have pointed it out, it's clearly there. In this context Mao comes off on a par with the Framers of our Constitution. I don't feel that he was "freedom oriented" in the manner that they were. At the risk of being accused of being prejudiced against anything that Mao said, I still feel that his road to power and the en-

suing bloodbaths are illustrated in the manner that I quoted him. It would be necessary for one to have much more education than I have on the subject to find Mao's motives to be based on a real caring for humanity as opposed to the elevating of self to power. I know this is not an excuse, but you have to admit that this was probably the first time that you have seen the "Political Power" part of the quote in the general press. Most people quote it as "Power grows out of the barrel of a gun," which is even more barbaric sounding. I would welcome your advice on better sources of information, as this subject does interest me. I would also be greatly interested in hearing actual stories of the battles fought in this period, with emphasis on the weapons used. Thank you for taking the time to clarify this.

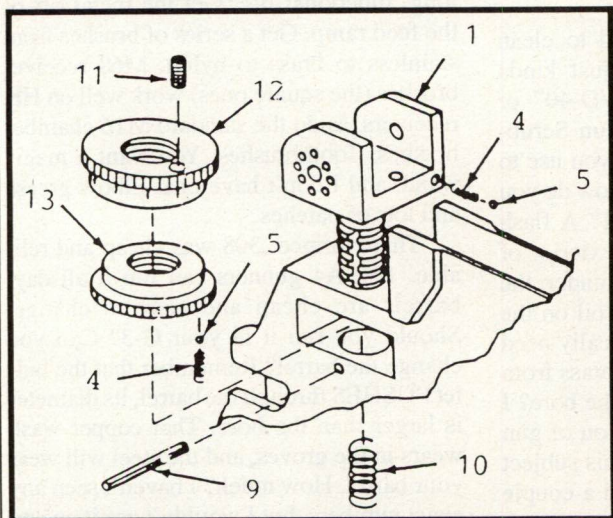
**Q** I hope you can answer some questions about the MAT-49 SMG. Is it normal for this gun to have a "heavy" trigger pull? By "heavy," I mean more than the typical MAC10 SMG. Can the upper receiver latch—the latch that holds the upper and lower receiver together—be removed or is it a permanent assembly? If it is possible, how is it done? Was there a magazine loader made for this gun?

JR

**A** The trigger is heavy on these machine guns. I'm sure it could be lightened, but try to remember that these were intentionally heavy. The theory is that the operator in a stress situation will tend to overreact, and a light trigger may fire the weapon at unintended times. If you ever achieve a "pucker factor 10" situation, you aren't going to notice the trigger pull. The receiver latch is welded on—a skilled tradesman could remove it in one piece.

**Q** As you may remember, I've written you a "couple" of times about the pig and how to make it run. I really liked your article about the E4—obviously I want the parts! I've tried in the past to get SACO to sell me parts, to no avail. Do you or does someone have access to current technology? If no, how about product or drawings? I'm quite capable of the manufacture of parts if necessary, but would like to get in the pipe line for SACO parts. Any help you can offer is appreciated!

More info about my op rod bolt modification. I've now run two barrels all the way to M60 field (1.6455") with 1 (one) op rod and bolt. (I've switched to a new rod and bolt for 3" bbl.) The key is the modification, plus close attention to keeping lugs clean, stored and lubed with lubriplate brand antisieze. I'm working now on a modification for the old bolt plug



A2 Rear Sight Assembly.



to use a captive plunger to secure it. Just thread it in till the plug bottoms, the plunger engages — disassemble with a bullet tip.

In regards to Kokalis's "rip" of the pig the November issue, he's right about a lot of stuff. But the damn thing got a lot of guys out of the boonies. Lots of people tell me they trusted it if they kept it clean. Can you imagine dragging an A4 or A6 through that jungle? Across those paddies? Out to your firing range? I'm just glad mine are toys now (hope they stay that way).

Back to the intent of my letter, please give me all information on the location of parts to upgrade my weapons (oh excuse me, toys) to E4 configuration. I've enclosed a stamped envelope for postal reply — you may print this and edit as you wish.

Chuck Y.

**A** You think that I haven't tried to get my hands on some E-4 parts? They are not in general production yet. The government contracts haven't been finalized. I doubt that these parts will be generally available on the civilian market, but I'm damn sure going to try to get at least one set! In case they ever offer me some, all of you interested 60 gunners send me a note with your name and address, I'll file it and if I ever get the pipeline, I'll let you know. In keeping with standard *MGN* policy, the stamp was steamed off the envelope and sold through the Dan Rostenkowski Memorial Black Market. I get more canned hams this way....

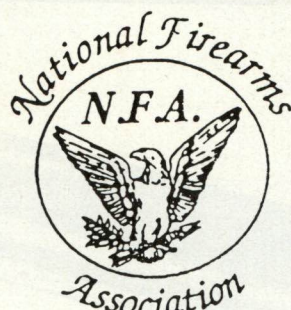
Chuck, you are one more example of how innovations really happen—guys tinkering with something in their spare time. When you get it perfected, bring it to Knob and I'll try it out!

**Q** I've just picked up my second machine gun, a Ramo 1919A4. The left side plate has three screw holes for a scope mount. None of my manuals lists this as an option nor have I ever seen one for sale. Are there any floating around? Do all 1919A4s have this? Thanks and keep up the good work.

Robert J. N.

**A** In the original manuals, I have seen a U.S. scope mount that was used in the cavalry set ups. I do not have a copy, or I would quote directly. I would appreciate any photos of this. Also, Dolf Goldsmith told me that he is working on his next book: Browning series. I can't wait. If you're interesting Browning info, send it to him at Dolf Goldsmith, 10223 McAllister Freeway Ste. 104, San Antonio, TX 78216.

I once bought five scope mounts that were made by the Israeli's in the 1960's. I



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<b>M-14</b>	Trigger housing M-2, G.I. stripped . . . . . \$ 85.	AK-47, 75-rd. drum . . . . . \$ 95.
Buttplate assy. new . . . . . \$ 45.	<b>M-60</b>	AR-15, 30-rd., new . . . . . \$ 20.
Buttplate assy. used . . . . . \$ 25.	Assault pack, 100-rd . . . . . \$ 22.	AR-15, 30-rd., used . . . . . \$ 15.
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Gas cylinder, new . . . . . \$ 37.	Bolt, complete, new . . . . . \$ 85.	H&K 91, used, 20-rd. steel . . \$ 35.
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Barrel, new, stripped . . . . . \$110.	<b>M-79</b>	M-14, 20-rd. commercial . . . \$ 25.
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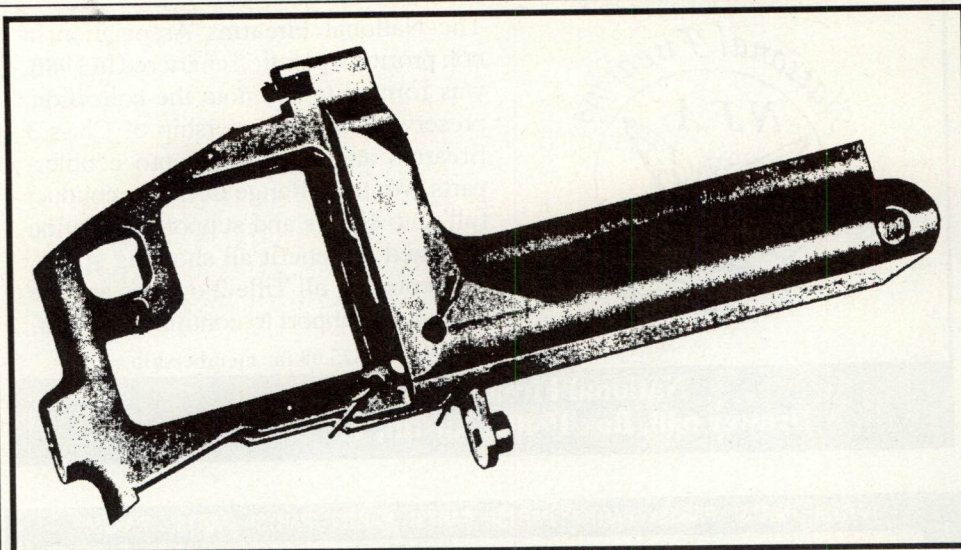
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M79 stripped receiver.

think I still have one. Some were brass, painted black, and some were pot metal that had a black finish. All were set up for the AN-PVS-2 night vision base but could be changed fairly easily by changing a rail with two screws. The three screws were captured as part of the mount, and there was a thin rail on the base that positioned the mount in the groove on the base that is on the sight plate.

**Q** I have everything for my M79 Grenade Launcher I'm building except the receiver.

I work at a fast food place in the mall so I don't get paid much. It would take a year to save up the \$1200 that most dealers are asking (and by that time they would probably be sold and put on complete guns). Since the '86 gun control act didn't touch Destructive Devices, I wrote to the ATF for their guidelines for having one machined from my drawings. Do you know anyone who does make M79 receivers or are there any aftermarket receivers for about \$800. I've read that a guy in Rock-

ledge, Florida was selling exact machinist drawings for the M203 receiver, but do you know of any M79 receiver drawings that are exact to military receivers? Could you please help me?

Gene R.

**A** That is a lot of work that you are talking about. Take a look at the stripped receiver in this drawing. If you don't believe me, take it to a machine shop and ask them how much work it is! They can tell you from the drawing. Most people who want to make one from scratch start with some cut up parts, military de-mils. They take overlapping parts, cut them to size, and straighten the lines with weld. Not for the inexperienced. People who make these for sale earn their money, too, Gene. I have heard that there is a new Ohio manufacturer who is making Title I M79 receivers, and the pricing is under \$1000. He said he was going to show me his product. I'll check it out and respond here....

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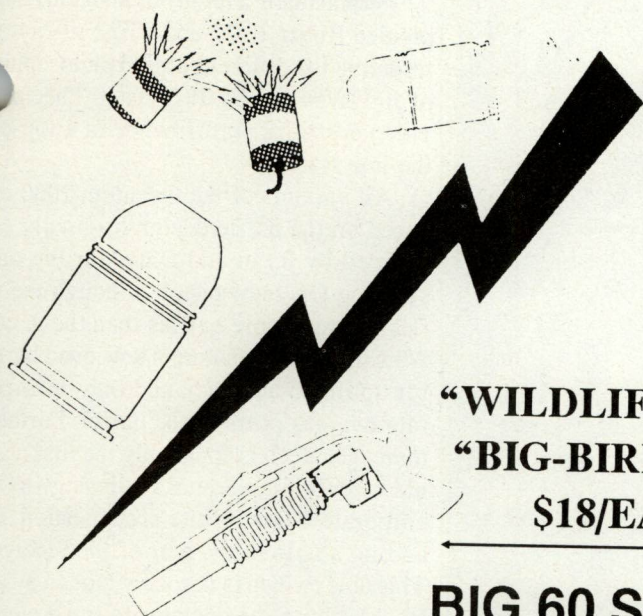
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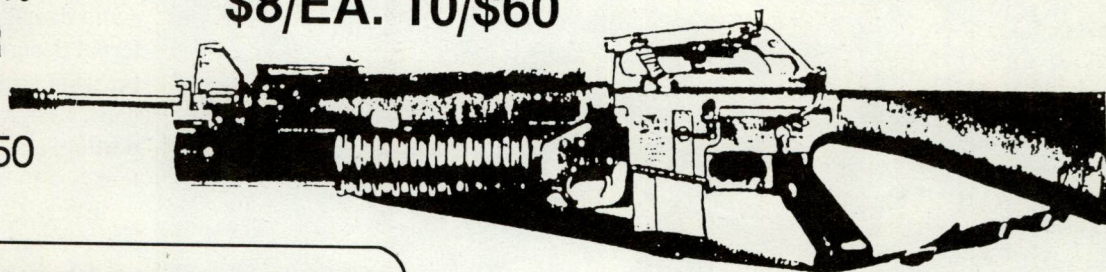
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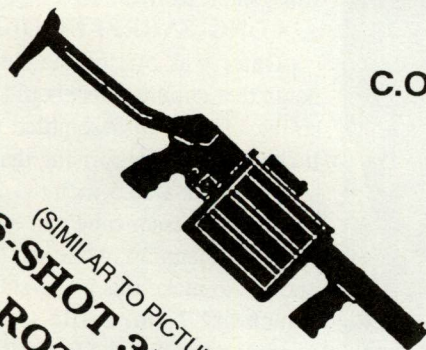
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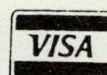
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# Gemtech's Quantum 2000 Suppressed Rifles

*by AL PAULSON*

**G**emtech's Quantum 2000 rifles are actually a family of integrally suppressed Ruger 10/22 and 77/22 rifles representing the different design philosophies of Jim Ryan and Dr. Phil Dater. They provide very solid performance in a top-of-the-line system.

All variants of the Quantum 2000 are based on the baffle design originally developed by Ryan and Dater for the outstanding Operator pistol, although the rifles use two more baffles than the pistol. All variants also feature a tensioned barrel for optimum accuracy and only incorporate two gas ports in the barrel. Furthermore, Gemtech is apparently the first manufacturer besides Sound Technology to incorporate Mark White's suggestion for adding a hole in the rear of the receiver. This hole (which is normally hidden by the stock) allows the operator to run a cleaning rod through the barrel from the rear, to avoid damaging the barrel crown. The internal design of Dater's and Ryan's suppressors are identical: they use the same baffle design in front of the barrel, the same porting, and the same tube mounting system.

Every Quantum 2000 contains seven 6062-T6 aluminum baffles, and standard models feature a 304 stainless steel suppressor tube that is 1.0 inch (2.5 cm) in diameter. For clients with blued receivers who demand a matching suppressor tube, a blued 4130 carbon steel suppressor tube is available as a custom option. For all practical purposes, only the length of the barrel and suppressor tube vary. While the different variants provide essentially the same performance in terms of sound suppression and accuracy, they also offer the user some interesting choices.

## **LONG-BARRELED QUANTUM**

Dater was one of the earliest proponents that suppressors should be designed so they can be disassembled for cleaning. It should not be surprising that Dater's design features a 16.5 inch (41.9 cm) barrel, so the suppressor tube can be removed to facilitate cleaning, while the barrel is long enough to make this a one-stamp gun. The 5 inch (12.7 cm) baffle stack is permanently retained in the front of the suppressor tube and increases the overall suppressor/barrel length to 21.5 inches. The removable tube provides direct access to the barrel ports and the expansion chamber that surrounds the barrel. This model will henceforth be referred to as the long-barreled Quantum.

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Cleaning the long-barreled system is somewhat easier than the short-barreled system thanks to the removable suppressor tube, which gives direct access to the primary expansion chamber, barrel, and ports. The captive baffle stack is easily cleaned by removing the suppressor tube and immersing the tube in a suitable solvent. For clients who absolutely, positively demand the ability to disassemble the baffle stack for cleaning, Gemtech will provide that ability as a custom option.

### SHORT-BARRELED QUANTUM

Ryan's design for the 10/22 and 77/22 features a short barrel (10 inch, 25.4 cm) barrel and short (16.0 inch, 40.6 cm) suppressor tube, which provides a compact package similar in length to Dater's old R10 suppressed rifle of the early 1980s. This model will henceforth be referred to as the short-barreled Quantum. To avoid two tax stamps (for the suppressor and as a short-barreled rifle), Ryan permanently attaches the suppressor tube to the barrel. A hex screw in the bottom rear of the suppressor tube, which is normally hidden by the stock, permits access to the barrel ports for removing accumulated fouling, and to assist draining the suppressor after cleaning by immersion in a suitable solvent such as Varsol or Kroil. To facilitate cleaning with the tube permanently attached to the receiver, the baffles can be removed from the front of the tube on the short-barreled model.

To facilitate future disassembly, I recommend a brief bit of preparation when the Quantum is first purchased. Remove the front end cap and encapsulator from the suppressor tube with the provided take-down tool. Tap the front of the suppressor tube against a nylon (or similar) bench pad to drive the baffle stack forward for removal. Spray the baffles and spacers with Kroil or unflavored Pam kitchen spray, and reinstall. Treat all threaded surfaces with a colloidal molybdenum or copper high-temperature antiseize compound, and replace the encapsulator and front end cap. This procedure will greatly facilitate removing these components after they have become encrusted with powder residue.

A few words about Kroil would be useful. Kroil is actually a penetrating oil that makes a good powder solvent. Class 3 deal- John Ross told me about the product, which has the advantage of leaving behind a thin layer of lubricant on all surfaces, facilitating future cleaning and disassembly. When cleaning suppressors by immersion,

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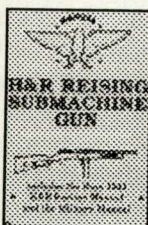
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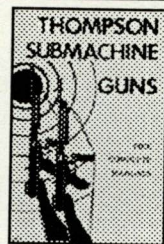
Designed for the Marines in World War II, the Reising was innovative and it fired the powerful .45 cartridge. Unfortunately, the design was not suited to the jungle environment that it was to be used in and it eventually found its way into the hands of war plant guards and the police. This book combines the rare original H&R factory manual with the military tech. manual. This is a must have book. Approx. 75 pp., 6"x9", photos, illus., softcover.

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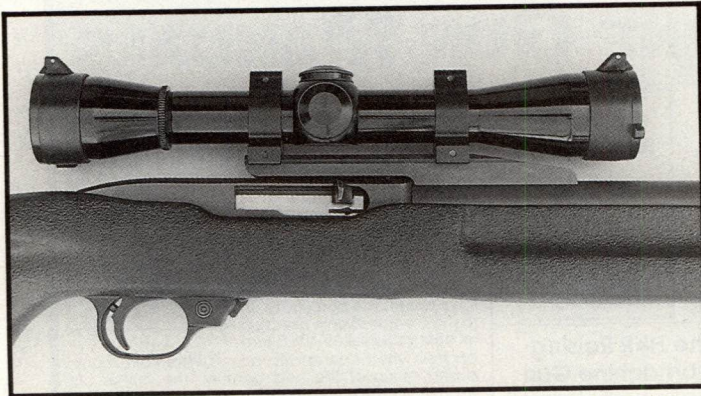
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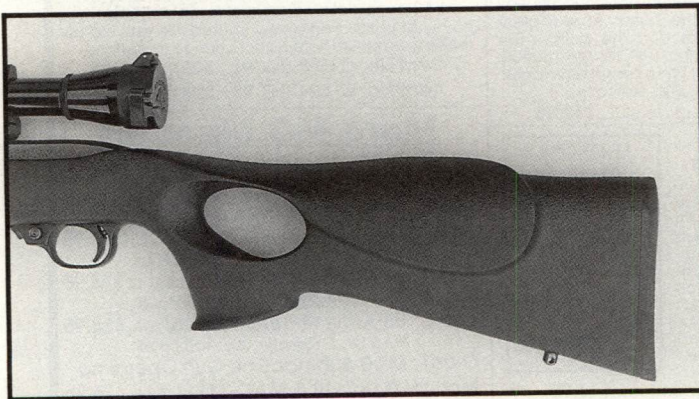




The custom Gemtech Quantum 2000 suppressed rifle evaluated in this study features a Volquartsen thumbhole stock and a Weigand cantilever scope mount.



The Weigand cantilever scope mount attached to the suppressor tube permits the use of a standard eye relief scope without resorting to excessively high scope rings that destroy the shooter's ability to form a proper and repeatable check weld.



The Volquartsen thumbhole stock with Monte Carlo cheekpiece is made from reinforced, high-density, ultra-stable fiberglass.

John discovered that Kroil can be recycled by straining out particulates with a coffee filter. Kroil is available directly from the factory (Kano Laboratories, Dept. MGN, 1000 Thompson Lane, Nashville, TN 37211, 615-833-4101). Perhaps the best way to try the product is to order the Kroil Smart Deal, which includes a gallon of Kroil plus a pump sprayer and a small aerosol can—all for only \$20.30, which includes shipping by UPS. Kroil's only disadvantage is that suppressors and firearms cleaned in Kroil retain a rather strong pun-

gent odor, which delicate noses might find objectionable.

### CUSTOM QUANTUM

I tested a custom short-barreled Quantum 10/22 for this article. This particular gun was built for an advanced marksman who wanted a rifle system, rather than merely a factory Ruger with a good suppressor. The design goals for this project were to provide an optimum mix of sound suppression, ergonomics and accuracy in a compact envelope that would appeal to a serious rifle shooter, rather than a casual plinker. Ryan polished the bolt and hammer spring, and removed a spiral or two from the hammer

spring, to ensure reliable functioning with subsonic ammunition. The proprietary porting in the Quantum also contributes to the rifle's reliability with subsonic fodder.

My thanks to the owner of the Quantum, who wishes to remain anonymous, for transferring the gun to me for several months so I could evaluate the system and write this article. We've never even met face to face, so this gentleman was very gracious, indeed, to send his favorite rifle to someone he'd never looked in the eye.

This particular rifle features a nonre-

flective, black molybdenum resin finish over its stainless steel suppressor tube and anodized receiver, giving the package a rather milspec ambience, which I like. The rifle measures 35.5 inches (90.1 cm) in overall length. The rifle weighs 6.98 pounds (3.17 kg) with a 4 power Leupold scope and a Weigand cantilever scope mount.

A cantilever scope mount attached to the suppressor tube permits the use of a standard eye relief scope without resorting to excessively high scope rings that destroy the shooter's ability to form a proper and repeatable check weld. I've developed a dislike of cantilever scope mounts over the years because they've generally not been robust enough to suit me. The Weigand mount is a notable exception. Well engineered and therefore sufficiently rigid, the Weigand aluminum mount also complements the Quantum very well.

Unfortunately, the cantilever mount is only practical on a suppressor tube that is permanently attached to the barrel, for proper indexing after disassembly would otherwise be a problem. Granted, an indexing screw could be used to properly align a suppressor tube with cantilever mount for reassembly, and the screw could be hidden by the stock. But the very presence of an indexing screw would preclude tensioning the barrel properly, and this would adversely affect accuracy.

The custom Quantum features a Volquartsen thumbhole stock. I've disliked every rifle I've ever handled with a thumbhole stock—until now. The ergonomics of the Volquartsen thumbhole grip are reminiscent of a good pistol grip, so the Volquartsen will feel very natural to anyone who's spent a lot of time with an M16 or MP5. The very positive grip afforded by this particular thumbhole arrangement, while carrying the rifle at Rhodesian ready

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during a rabbit hunt, permitted rapid and positive target acquisition that was unprecedented in my hunting experience. The broad, flat forestock is well suited to anchest shooting off a sandbag or prone shooting off a backpack. Firing this rifle prone using a Harris bipod attached to the front sling swivel stud is also a solid support option. Shooters with small hands may find the forestock a bit wide for ideal use offhand, but this eventually becomes less distracting.

The Volquartsen thumbhole stock with Monte Carlo cheekpiece is made from reinforced, high-density, ultra-stable fiberglass. The stock features a textured finish for a positive grip, front and rear sling swivel studs, an oversized bedding screw, and a 1 inch (2.5 cm) rubber recoil pad. The stock is 28.5 inches (72.4 cm) long, has a 0.5 inch (1.3 cm) drop at the heel, and has a length of pull that is 1 inch (2.5 cm) longer than the factory stock. The stock weighs 1.8 pounds (822 grams) and is available in four colors: black, blue, red, and hunter green.

The Volquartsen's multiple-pressure-point pillar bedding system holds the suppressed rifle more rigidly than a factory stock, which should enhance the accuracy potential of the system. The only liability of the pillar system becomes apparent when shooting a suppressed rifle in the stock. The expanding combustion gases ring the suppressor tube against the pillars, causing a hollow "knock" with each shot that is apparent to the shooter but not to nearby observers. Once I discovered that no one besides the shooter experienced this phenomenon, that extra knock in the sound signature no longer bothered me. Besides the pillars, the stock also features a notch at the rear of the action which expands slightly when the action is installed and holds it rigidly in place under tension. Finally, a pad of fiberglass at the takedown screw holds the action in downward compression.

While even the unusually long suppressed rifles from Sound Technology are still practical in the field, I've developed a fondness over the years for compact, high-performance rifles. I discovered over the several months I had this rifle on loan, that I had become particularly fond of the short-barreled Quantum. By the time the trans- cleared back to the kind *MGN* reader who loaned me the rifle, I was shooting the Quantum in preference to every other .22 rifle in the safe. It fit my body and my personality to perfection.

But how does the Quantum perform from an objective, rather than a subjective, point of view?

To answer this question, I tested the Quantum against several other suppressed 10/22s as well as an unsuppressed 10/22. Since I've received a number of questions concerning testing procedures and understanding sound data recently, it is appropriate to discuss methodology and data interpretation in a more thorough fashion before discussing the Quantum's actual performance.

### TESTING METHODOLOGY

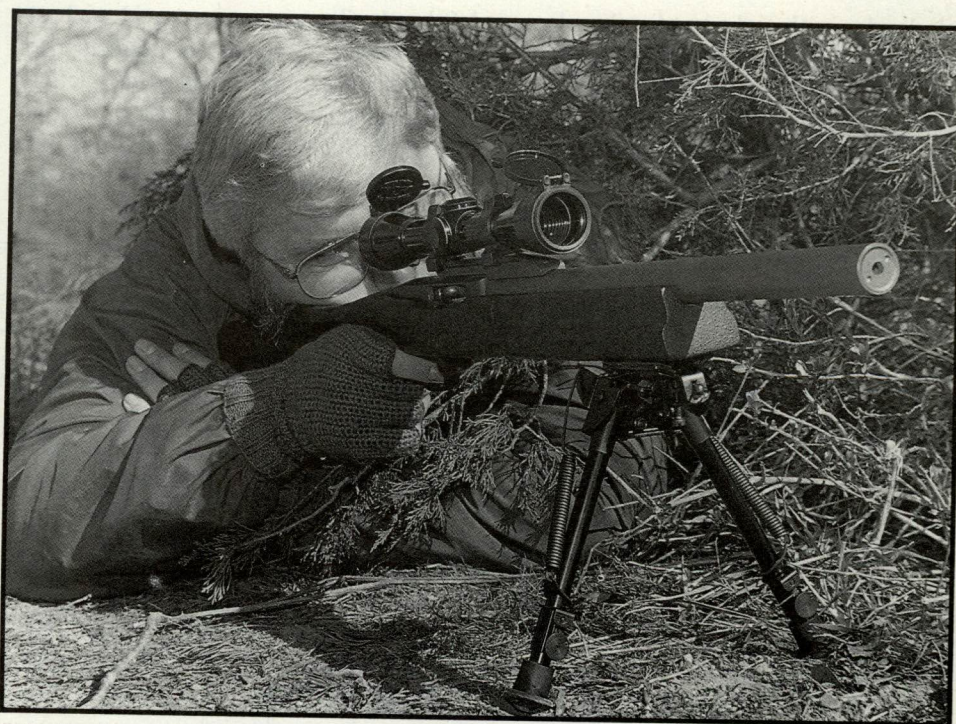
Suppressed and unsuppressed Rugers 10/22s were tested using Federal High Power high velocity, Hansen standard velocity, and Baikal Junior Brass subsonic ammunition.

Sound signatures were measured using a Bruel and Kjaer Type 2209 Impulse Precision Sound Pressure Meter (set on A weighting and peak hold) with a B&K Type 4136 1/4-inch condenser microphone, which is a pressure-type microphone. This is one of the few sound meters that has a fast enough rise time (20 microseconds) to accurately record very brief sound impulses such as gunshots. The microphone was placed 1.00 meter away from the front of the suppressor or muzzle, at an 90 degree angle from the bullet flight path. The pressure microphone was pointed straight up toward the sky so that the plane of the diaphragm intersected the suppressor or muz-

zle. (A free field microphone such as the B&K 4135 is oriented 0 degrees to the sound source, so it points directly at the suppressor or muzzle. A random incidence microphone such as the Larson-Davis 2530-1133 is oriented 80 degrees to the sound source.) The meter was calibrated just before and just after the tests with a B&K 4230 calibrator. No instrument drift was observed.

These procedures, including the use of A-weighting, generally follow NATO testing procedures specified in Document AC/243(Panel 8/RSG.6)D/9, the ISO 1994 draft international standard for testing of silencers in situ, U.S. Army testing procedures specified in MIL-STD-1474C, and procedures used by the Finnish army and academic researchers as specified by Tampere University of Technology Publication 117.

The microphone in these experiments was placed to the right rather than left of the weapon, since some suppressor designs significantly increase the back pressure of combustion gases, with the result that the ejection port noise can exceed the muzzle signature. Extensive testing suggests that unsuppressed sound signatures and the suppressed signatures of manually operated weapons remain unaffected by right- or left-hand mike placement, while the signatures of suppressed self-loading weapons (other than top-ejecting or bottom-ejecting models) will commonly run 0.5 to 2 deci-



Firing the Quantum prone using a Harris bipod attached to the front sling swivel stud is a solid and comfortable support option (photo by Polly Walter).



**Table 1. Sound signatures in decibels of suppressor tests.**

Gun	Suppressor	Federal HV LR	Hansen SV LR	Baikal JB LR	Temperature °F (°C)
Ruger 10/22	None	141	140	138	38 (3)
Ruger 10/22	Gemtech Short Quantum	117	112	109	38 (3)
Ruger 10/22	AWC R10	117	114	110	38 (3)
Ruger 10/22	None	142	139	139	82 (28)
Ruger 10/22	Sound Technology Black Ops	116	113	112	82 (28)
Ruger 10/22	None	141	137	—	28 (-2)
Ruger 10/22	Ciener	119	119	—	28 (-2)

**Table 2. Net sound reductions.**

Gun	Suppressor	Federal HV LR	Hansen SV LR	Baikal JB LR	Temperature °F (°C)
Ruger 10/22	Gemtech Short Quantum	24	28	29	38 (3)
Ruger 10/22	AWC R10	24	26	28	38 (3)
Ruger 10/22	Sound Technology Black Ops	26	26	27	82 (28)
Ruger 10/22	Ciener	22	18	—	28 (-2)

**Table 3. Muzzle velocities of suppressed and unsuppressed rifles.**

Gun	Suppressor	Federal HV LR	Hansen SV LR	Baikal JB LR	Temperature, °F (°C)	Speed of Sound, fps (mps)
Ruger 10/22	None	1,228	1,085	961	38 (3)	1,094 (333)
Ruger 10/22	Gemtech Short Quantum	999	911	779	38 (3)	1,094 (333)
Ruger 10/22	AWC R10	972	935	791	38 (3)	1,094 (333)
Ruger 10/22	None	1,249	1,118	1,020	82 (28)	1,141 (348)
Ruger 10/22	Sound Technology Black Ops	1,083	987	887	82 (28)	1,141 (348)
Ruger 10/22	Ciener	1,038	992	—	75 (24)	1,134 (346)

bels louder with right-hand mike placement. A few suppressor designs will, however, produce signatures that are up to 7 decibels louder. Therefore, right-hand microphone orientation provides a worst-case measure or net system performance, while

left-hand mike orientation provides a best-case measure of suppressor performance. Whether a suppressor is used for tactical requirements, to reduce the risk of hearing damage during training, or for sporting purposes, right-hand mike placement provides

a more conservative measure of suppressor performance.

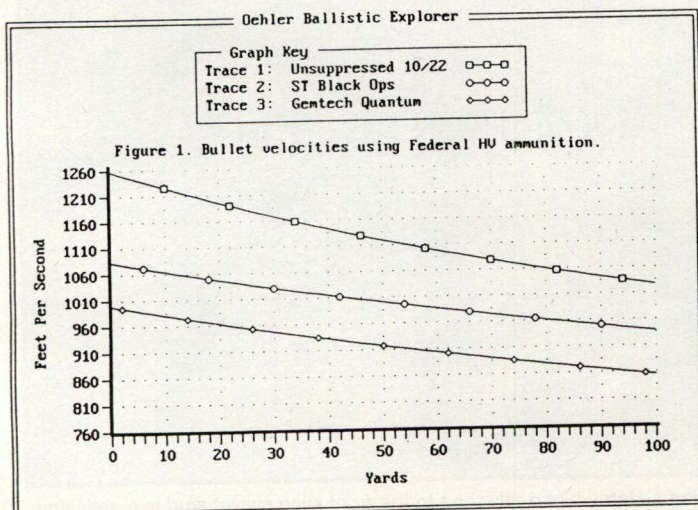
The ambient temperature during each test is always given. Velocities were measured in feet using a P.A.C.T. MKI timer/chronograph with MKV skyscreens set 24.0 inches apart and the start screen 8.0 feet from the muzzle (P.A.C.T., Dept. MGN, P.O. Box 531525, Grand Prairie, TX 75053, 214-641-0049). At least 10 rounds were fired to obtain an average sound signature or muzzle velocity. Computer analysis of external ballistics were conducted using Ballistic Explorer Version 4.02a (Oehler Research, Dept. MGN, P.O. Box 9135, Austin, TX 78766, 512-327-6900).

### UNDERSTANDING SOUND DATA

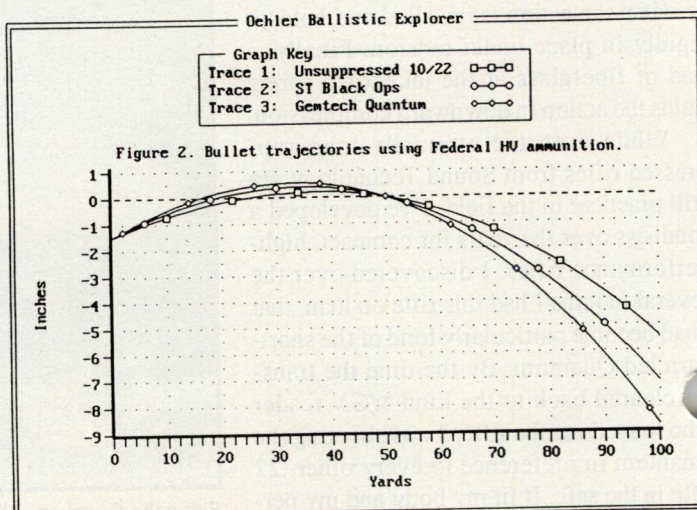
Since few people have an intuitive grasp of decibels, a few comments will help put these data into perspective. Decibels are a logarithmic rather than a linear scale that approximates the response of the human ear much more closely than raw sound pressure levels. The threshold of human hearing is 0 decibel, a quiet conversation is about 56 dB, a Daisy Red Ryder BB Gun is 101 dB, a .22 CB is about 131 dB and a standard velocity long rifle is about 137 dB when shot from a bolt-action rifle, hearing damage begins at about 140 decibels, the pain threshold is about 141 dB, an MP5 about 157 dB, a .45 pistol is about 162 dB, an M16 is about 165 dB, and a 122mm howitzer is about 183 dB. Death of the observer can occur in the neighborhood of 220 dB. Most adults can distinguish a 1 or 2 decibel difference between sounds.

Note, however, that the unsuppressed sound signatures can differ from test to test. This is because different atmospheric conditions (such as temperature, humidity and altitude) affect the burning characteristics

Oehler Ballistic Explorer



Oehler Ballistic Explorer





of gunpowder. Even the speed of sound changes with the temperature. Therefore, the unsuppressed weapon signatures were remeasured each day of testing, as a control or benchmark.

The best way to compare suppressors tested under different conditions is to subtract the suppressed sound signature from the unsuppressed sound signature, to get the AMOUNT of suppression. This more useful number is called the net sound reduction, which provides a better yardstick for comparing similar systems, such as suppressed .22 caliber Ruger pistols. The suppressed sound signature remains useful for comparing different systems, such as suppressed .22 pistols versus suppressed .22 rifles or suppressed 9mm pistols (which have different unsuppressed sound signatures).

### PERFORMANCE

The custom short-barreled Quantum was test fired against a vintage AWC R10 suppressed rifle and a factory original unsuppressed 10/22 at 38°F (3°C). The sound signatures are shown in Table 1, and the net sound reductions are shown in Table 2. Muzzle velocities are shown in Table 3.

Note that the sound generated by chambering a loaded round was 112 decibels. This experiment was accomplished by drawing the bolt fully to the rear and then smartly releasing it. The process was repeated 10 times and the mean (average) was calculated. Allowing the main operating (recoil) spring to close the bolt on an empty chamber generated a sound signature of 115 dB. Thus, the process of chambering a round buffers the bolt closing. Some suppressed sound signatures recorded in this study were less than 112 dB, so the action noise should have masked the muzzle signature. It therefore appears that the chambering data are somewhat biased. The most logical explanation is that the bolt does not recoil fully rearward during semi-automatic cycling, so the bolt has less forward velocity than when the bolt is retracted fully by hand and released. Less velocity means less sound when the bolt closes. Therefore, these chambering data are too high.

While the custom Quantum cycled reliably with the Baikal subsonic ammunition, the AWC R10 never once cycled with subsonic fodder. Comparative data are also included for the Sound Technology Black Ops (which did cycle reliably with subsonic ammunition) and a Ciener suppressed 10/22 (which did not cycle with

subsonic fodder). Projectile velocities and trajectories of selected rifles are compared in Figures 1 and 2.

The Gemtech short-barreled Quantum produces the same amount of sound reduction as Dater's earlier R10 rifle with high velocity ammunition, while the Quantum provides better performance using standard velocity and subsonic fodder. The Quantum provides slightly higher muzzle velocity than the R10 with high velocity ammo, and slightly lower velocity with standard velocity and subsonic ammunition.

Unfortunately, the sound data tell nothing about the quality (frequency content) of the sound signatures. The R10 produced a much higher frequency sound than the Quantum. So in terms of frequency content, the Quantum dramatically outperformed the R10. The Quantum's lower frequency signature sounds less like a gunshot than the R10. Furthermore, the lower frequency Quantum signature is more rapidly absorbed by vegetation, so the sound does not carry as far afield.

In terms of sound reduction, the Sound Technology Black Ops outperforms the Quantum with high velocity ammunition, but the Quantum beats the Black Ops with standard velocity and subsonic fodder. The Quantum is noticeably quieter than the Ciener suppressed 10/22 with high velocity ammo, and this performance gap widens considerably with standard velocity ammunition. It is fair to say that the Quantum provides spectacularly better performance than the Ciener system with standard velocity ammunition in terms of sound suppression.

For applications against live targets, however, note that both the Ciener and Sound Technology systems provide significantly higher velocities than either the Gemtech Quantum or AWC R10. While the Quantum provided clean kills on cottontails and squirrels, I suspect that the velocity differences would enable the Sound Technology rifle to noticeably outperform the Quantum against larger animals such as snowshoe hares and feral dogs. I did not have the opportunity to test this hypothesis, however.

It is interesting that the Sound Technology rifle provides the highest velocities of all suppressed rifles in this study, and yet its performance—in terms of both measured sound signatures and subjective opinion of frequency content—is profoundly better than the Ciener system and AWC R10, and is similar to the Quantum in terms

of overall performance.

While the projectile velocities produced by the Quantum are lower than two of the best performers in the industry in terms of muzzle velocity (the Sound Technology and Ciener rifles), the Quantum's performance is dramatically better than some other suppressed rifles in the marketplace that achieve quiet sound signatures by excessive porting of the barrel.

### CONCLUSIONS

Gemtech's short-barreled custom Quantum provided outstanding performance in terms of both the amount of sound reduction and the frequency content of the sound signature. The ergonomics provided by the system's Volquartsen thumbhole stock and Weigand cantilever scope mount, combined with the short suppressed action, made this an addictive rifle to shoot. Projectile velocity was good but not outstanding, yet the Quantum provided one-shot kills on rabbits and squirrels. Thanks to minimal porting and a tensioned barrel, accuracy equals the factory barrel from which a given rifle is made. Avoid using a stainless steel factory barrel, for they provide disappointing accuracy. If you are lucky enough to get a good carbon steel barrel from Ruger, the Quantum will deliver dime-sized groups at 50 yards (1.8 cm at 46 m) with the right ammunition: a tuned trigger and good optics.

This brings up my only substantive criticism of the custom Quantum tested in this study: the owner did not spend a few extra shekels for a trigger job. Jim Ryan charges \$125 for a trigger job that includes a precision Volquartsen hammer. For a top-of-the-line system like a custom Quantum, a good trigger job is mandatory in my opinion.

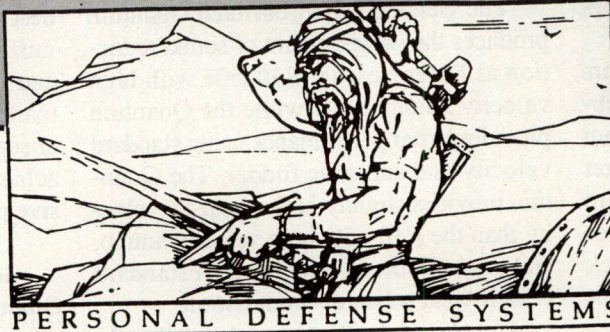
For those who demand the ultimate accuracy, Ryan will line bore the action and screw in a match barrel. That would certainly make an extraordinary suppressed rifle. Whether one wants a simple, off-the-shelf suppressed rimfire rifle or a custom system built to your particular requirements, the Gemtech 2000 family of rifles offers the discriminating user a wealth of interesting choices.

MGN

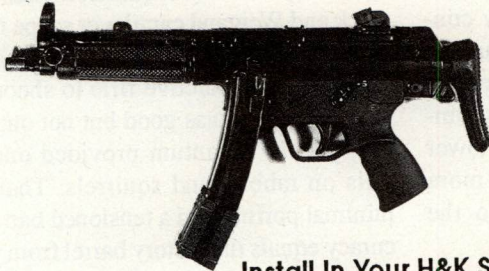
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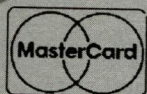
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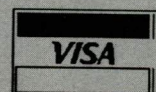


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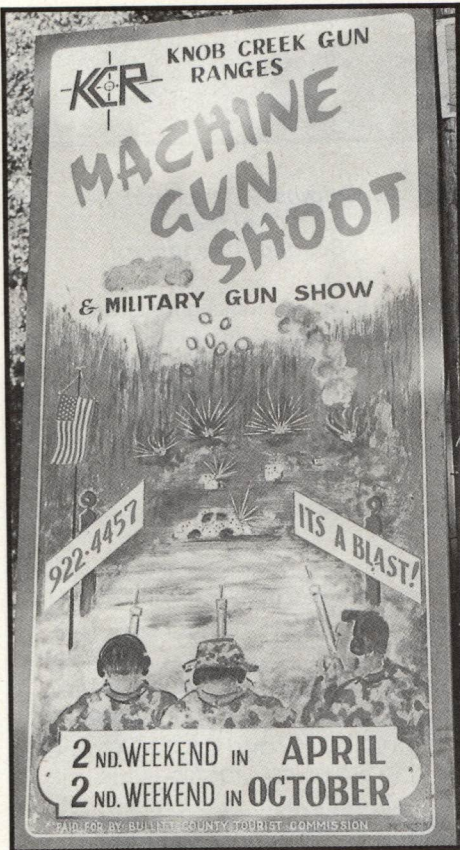
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# KNOB CREEK

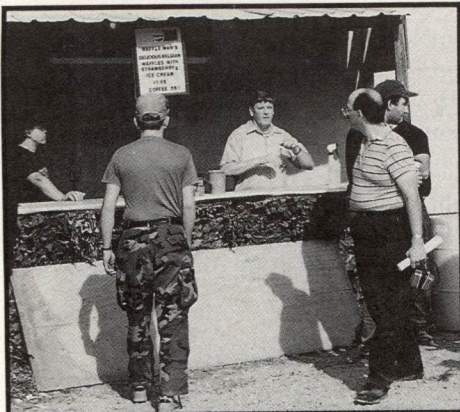


I've been going to Knob Creek twice a year for the machine gun shoots for almost as long as they have been having them. It is only a couple of hours from my home in southern Indiana so I guess I am quite fortunate to be so close. I know people who visit Knob Creek from all over the country. Some even travel from Europe or other distant parts of the globe. I have met several people who came from Australia and one from New Zealand. They said they'd learned about the big Knob Creek Shoot from the pages of *Machine Gun News* and had to come see it for themselves.

What brings them from so far off? Well, there are the guns of course. Knob Creek is a living museum devoted to the preservation and appreciation of the work of geniuses like the great John Moses Browning. It is more than that however. I could say that it is the great people you meet when you make the journey. I have friends I never see except at Knob Creek. We are united by a common thread even though we're separated by hundreds, if not thousands of miles. Somebody once told me that Knob Creek was his Woodstock. He had to make it just once before the New World Order shut it down. He wanted to be able to tell his grandkids about it someday. If his pessimistic view is true, I doubt they'll believe him. Lots of folks don't believe it now!

I believe that Knob Creek is about as close as you'll ever get to real freedom as you can ever get in this world. Most of us live with the illusion of freedom but don't realize it. People think they are free but that's because they never try to test the boundaries

placed upon them. Freedom isn't being able to do the ordinary. Real freedom is the ability to do the extraordinary and keep doing it. The Great Society of the New World Order will grant you the ability to keep a few sporting guns to appease you and to give the impression of freedom. That, boys and girls, is like a dog on a leash thinking that he runs free because he has never reached the end of his chain. When he finally does, it is very likely that reality will snap him back from his



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# FALL '94

by **DUTCH HILLENBURG**

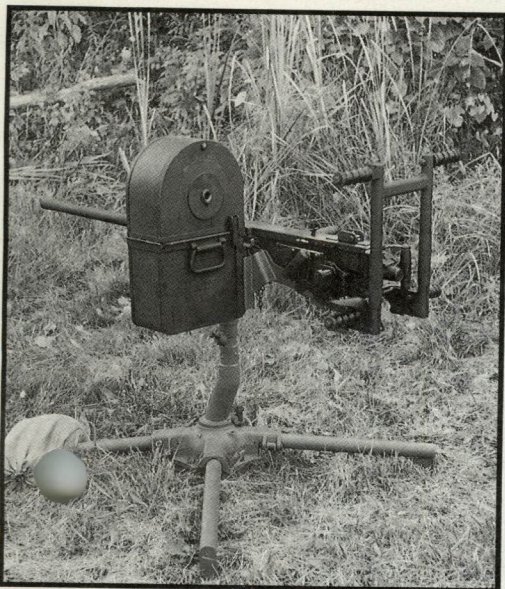
illusion quite violently. Randy Weaver and the people in Waco found out the hard way just how short the leash really is...

Freedom. That's what really motivates people to travel so far to see what happens twice a year in a dusty holler in rural Kentucky. Most probably don't even realize it but that's why they come. They are tired of being viewed as an oddball with bizarre interests by the folks back home. Knob Creek is the one place where they can come and blend in and share their interests and beliefs openly without the fear of public scorn.

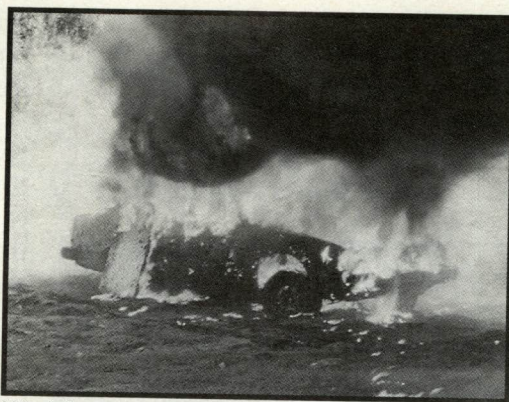
Well, so much for sermon from the Mount.. I guess running for the NRA Board of Directors has got me too used to standing on my soapbox. Take a look at the photos folks. Look and see what it is that you're really missing by not coming to Knob Creek. I hope to see you all at the next shoot.

MGN

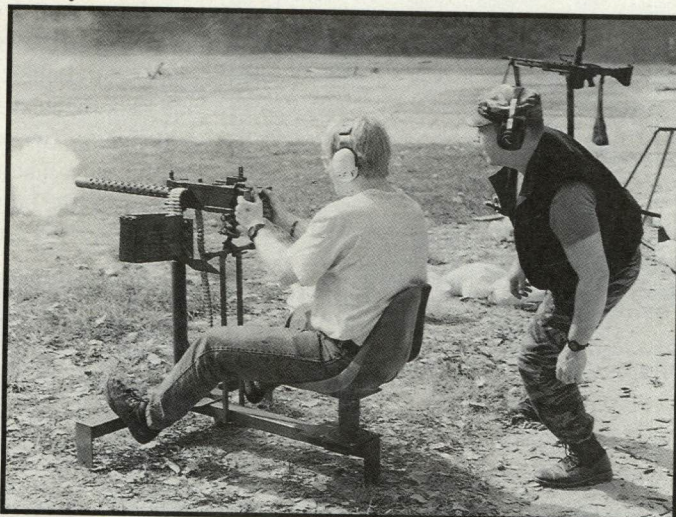
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Ma Deuce in anti-aircraft configuration.

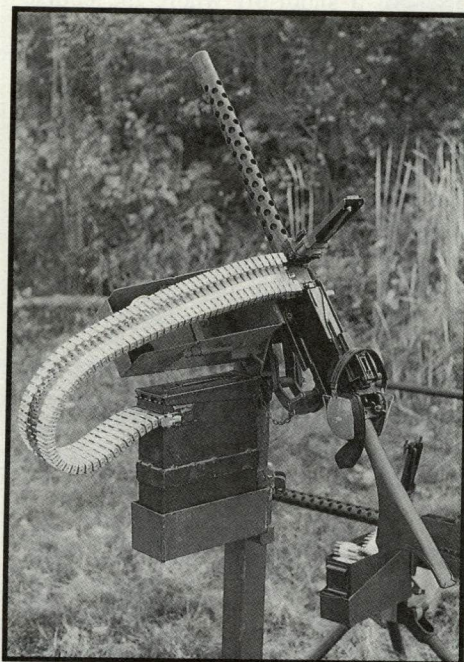


What do you mean there's a little problem with my car? It was fine when I parked it by the range...



Dave Cammack put the new MB94 Gun Mount through the paces. For more information on the MB94 Gun Mount, see write up on page 50.

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# Bayou Rescue

by DAN VARNER



Melissa and Cowboy Foreman setting up for the finals, a lot of steel and so little time. Photo by Karen Boleyn.

The idea for the fall match course was conceived while Ed and I were watching the targets and props for the spring match drift and bob around in the lake that the subgun range had become the weekend before the spring shoot. Bayou Rescue is a fixed time course shot from a moving platform (raft). Although it wasn't quite necessary, Kenny's long boat was part

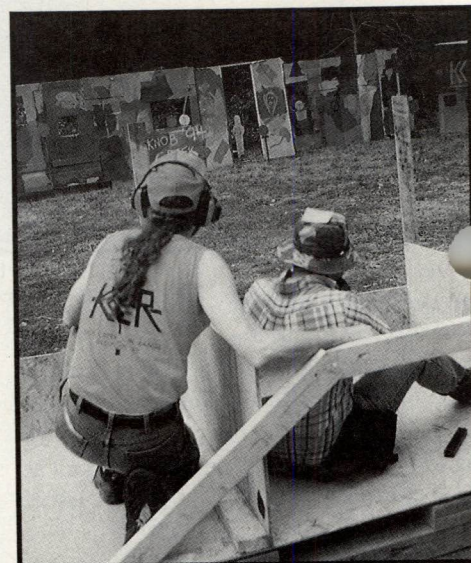
of the "B" plan. The course was deceptively simple: a hostage rescue scenario with three mandatory targets. These had to be neutralized or the shooter failed his mission and got a zero for a score. Then mixed in were nine optional targets, and for those who dare five bonus targets. The bonus targets were balloons around a no-shoot tied to a tree: the infamous bonus alligators. In

case of multiple perfect scores, a shoot-off where the course would be rerun on foot was planned with one target every other second average. In reality it got more crowded as you went "downstream." It was definitely a one mag course. And just like in real life, a clunky gun or a lack of planning can make you an endangered species.

We had only expected five or

ten shooters to advance to the finals. How about twenty-four out of eighty-one? That's the way we like em, too!

The course was quite straightforward. Seated on the sled (raft), the shooter would pass by the targets. The field of fire was controlled by limit stakes on the raft and the target placement. Starting out with about thirty feet to get up speed, the shooter passed by the start marker and could begin. The first array was six, 8 x 10 steel plates with three no-shoots interspersed to prevent the shooter from using a raking burst. Not much past this was the first mandatory target: a pepper popper with a no-shoot steel to work around. Next, a slight change in distance and two more plates, and then the next mandatory target, another popper... Two no-shoots to work around on this guy. Then a quick decision, "Do you go for the bonus alligators?" A couple of frustrated shooters elected to end their



Mitch Maxberry on his way to the finals with his trained Uzi. R.O. John Hackett. Photo by Karen Boleyn.

run by putting this hostage out of his misery. Not quite what the course designer had in mind at this point, but I've made it a point not to argue with frustrated people

holding an SMG. Finally, just to the right of our unlucky friend was the final mandatory target accompanied by two 8 x 10 plates. This last mandatory target was in IPSC which required at least two good hits to neutralize. Then it was un-

## KPDL Practical Pistol Match

1. Tom Carpenter	32.10	Colt
2. T. Lee Tillman	33.54	Glock 17L
3. Jeff Russell	35.72	1911 Springfield
4. Malcome Davis	36.06	1911
5. Paul Winters	39.88	Para
6. Phil Flack	39.88	Para
7. Jim Mueller	41.27	Para
8. Andrew Wampler	44.4	Glock 17
9. Larry L. Cooper	44.78	Taurus
10. Bill Parker	44.9	Glock 21

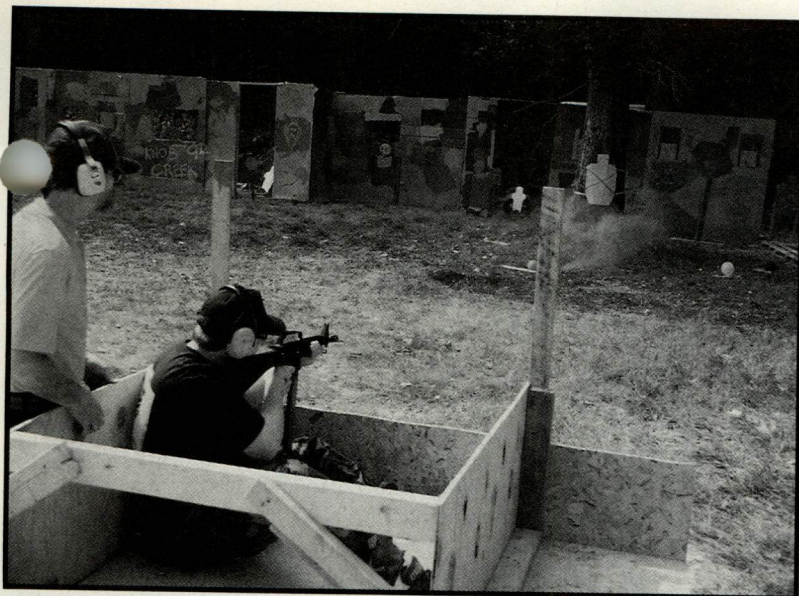
## Assault Rifle Match

1. Paul Winters	-31.01	M1-A
2. Fred Haddaway	-28.12	M1-A
3. Curt Chesney	-14.67	AR-15
4. T. Lee Tillman	-5.44	AR-15
5. Malcome Davis	3.03	AR-15
6. Wayne Scherrer	3.52	AK-47
7. Larry Banks	3.75	AR-15
8. Dave West	6.11	AR-15
9. Johnny Hutchinson	6.30	HK-91
10. Barry Briscoe	6.47	M1-A

## Bolt Rifle Match

1. Mitchell Maxberry	22.01	03-A3
2. Jeff Russell	61.22	P-17
3. Ted Nelson	67.64	Mausers
4. Curt Chesney	81.13	03-A3
5. Howard Fetterer	85.26	303 British
6. Herb Hopkins	85.67	Springfield
7. Ted Nelson	97.52	03-A3
8. Fred W. Smith	103.59	303 British
9. Tony Murray	105.00	SMLE
10. Jim Altenburg	107.22	1911 Swiss





A serious one mag shooter addressing the alligators (balloons). Photo by Karen Boleyn.

load if you hadn't already and show clear.

The finals were simple and fast. We removed the balloons and the course was re-run on foot. The time stopped when all the targets were down. First place in the open class was sooo verry close with Larry Banks edging over Tom Carpenter by less than a tenth of a second. Working hard all day on the NFA Championship Match, which was being run concurrently as a separate event, didn't take much edge off the performance of Mssr's Watkins,

Woerner, or Hutchinson. All posted top ten scores in the midteens and lower. The lovely and always charming Joe Carrerre topped the classic roster with his pet Swedish K. Jim Weaver backed up his open class showing with second with Brad Wyrick and Ron Davison filling out the class. There were no takers for the top woman prize and trophy with all the contenders falling prey to



Asst. R.O. Johnny Hutchinson takes his turn as "Eb" on the tractor while John Nethery attempts a bayou rescue. R.O. John Hackett. Score keeper Steve Fox. Photo by Karen Boleyn.

the mechanical gremlins.

Undoubtedly this was about the smoothest running match we have had to date as well as the largest. The credit goes to the range crew without whom there would be no match. With quality help like Robyn Hackett, Melissa and Cowboy Foreman setting the steel and tending the targets, coupled with Steve Fox, Jim Pulvermachere, and Johnny Hutchinson building the props and repairing them on the run, you have the components for a safe and fun

match. Dave Scofield and his bride did an admirable job handling registration and scoring.

Nomore lettin dislecis handel the paprwork ea?

What's up for the spring shoot? Lets consider the possibilities of funhouse mirrors and a circus of killer clowns.

## NFA National Submachine Gun Championship Results October 8, 1994

### Classic Category

1. Monty Mendenhall	Sten	230.36
2. Staale Johannessen	Thompson	252.82
3. Jim Weaver	Sten	257.98
4. Thom Furgason (1)	Swedish K	276.18
5. Charles Brittain	Sten	299.00
6. Dale Summers	Sten	304.00
7. Thom Furgason (2)	Swedish K	331.80
8. Ken Dunham	Thompson	340.60
9. Michael Miljan	Thompson	365.99
10. Richard Sanders	Swedish K	385.20

### Rapid Fire Category

1. Jim Weaver	M-11/9mm	203.91
2. Monty Mendenhall	M-11/9mm	207.88
3. Fred Woerner	M-11/9mm	231.99
4. Dale Summers	M-11/9mm	243.46
5. William Loggains	M-11/9mm	300.45
6. Mike Roach	MAC 10	351.40
7. Stephen Murray	M-11/9mm	352.90
8. Bill King	MAC 10	DNF

### Open Category

1. Nick Hope	MP5	106.13
2. Tom Carpenter	MP5	108.04
3. Ron Fink	MP5	134.83
4. Paul Winters	AR-15	143.43
5. C. Larry Banks	MP5	143.75
6. Monty Mendenhall	Colt 9mm	152.92
7. Fred Woerner	Uzi	163.76
8. Kevin Dellinger	MP5	175.28
9. Boyd Chancey	MP5	177.72
10. Rick Kuehl	MP5	187.26

See you at the creek.

MGN

### KCR Open Subgun Results

1. Larry Banks	11.17
2. Tom Carpenter	11.28
3. Malcome Davis	12.41
4. Fred Watkins	12.89
5. Bob Delp	14.07
6. Johnny Hutchinson	14.14
7. Fred Woerner	15.37
8. John Brown	16.05
9. Paul Winters	16.07
10. Kevin Dellinger	16.26

### KCR Classic Subgun Match

1. Joseph Carrerre	18.08
2. Jim Weaver	20.76
3. Brad Wyrick	22.39
4. Ronald Davidson	23.65

### Jungle Walk

October 7, 1994

1st	Ron Wilson	1:21	\$65.00
2nd	Jeff Russell	1:25	\$35.00

October 8, 1994

1st	Mitchell Maxberry	1:08	\$85.00
2nd	Malcone Davis	1:14	\$55.00



# BELT-FED FIASCO

BY DAN VARNER

How wrong can a match go? .30 caliber guns against targets that won't fall—pretty wrong. As the principal conspirator/match director, I would have to describe the event as a belt-fed fiasco. The intent was to provide a competitive event for .30 through .50 caliber auto rifles and belt-feds that is a test of skill in lieu of gross firepower. Those 16's and other light rifles have the assault rifle match that runs on Friday. This match was for the HK21's, BARs, and .30 caliber belt-feds. Originally what we had in mind was to assimilate the course requirement from Fm23-55 and incorporate them into our match. As a result of the limitations of the available range depth (100 yds), we decided to use a narrower target. This became the infamous 4" x 4" posts. During the summer we constructed test targets from varying materials, trying to build something that would require several closely spaced hits to take it down. Oak dunnage timbers on wood bases worked out the best from the aspects of supply and durability. One thing we had to consider was expending about one target array per .50 cal shooter; recycling the taller posts when we could.

The base area being proportional to posts height allowed us to calibrate the amount of energy (hits) that it would take to tip it over. What we ended up with were fairly narrow targets that one solid hit to the upper third or multiple hits to the mid section would reliably tip over. So what went wrong? The leading combination of ingredients for modern headaches and catastrophes are insufficient attention to detail and carelessness. Ours was no exception. When we laid out the course we had only tested a Browning's ability to take down the targets not its ability to hit only one and miss another a few feet away. I think that is why they refer to it as a "cone of fire" or beaten zone. This coupled

with not testing the posts against enough varieties of ammunition cover enough points to sink us right there. The final turn of the screw occurred when the targets were left exposed to the elements. The oak soaked up enough rain water to erase any calibration. Where do we go from here? Well first of all there isn't enough ways to apologize to the shooters who suffered through a late start, a protracted setup, and the monkeyworks that ensued except to learn from the mistakes and go on. First is the fact that precision rifles, like HK21's, can't run heads up against 1919's. One of the crew likened it to running a D Gas dragster heads up against his pickup truck. "One hauls the goods while the other just hauls." A class system is needed. Next are the targets themselves. We all seem to agree that steel is the only viable solution here and that the idea of a "calibrated target" is right out the window. One of the immediate unresolved items is what size targets? Keith White, Lynn Croslin and the Shivak brothers contributed greatly to the research and field testing later on the alleged match day. The belt-fed match will not be a part of the spring Knob Creek lineup. With the help of the shooting community, by fall we will have a workable match that we can be proud of. Help has started to trickle in. Mike Westerhouse has designed a dual state course "A BRIDGE GONE WRONG," that can be shot on Saturday as a subgun match. It has suitable depth to work as a .30 caliber rifle course. Some of the unresolved items remain target size, placement, and as always individuals willing to work and make good things happen. Eventually when its debugged and running, it will be fun. Nobody ever said good things come easy. We solicit your input. MGN provides us with access to one of the greatest databases of shooting information ever assembled. What have you tried at your local clubs? Is anyone out there willing to show us poor uneducated bastards the way? I use the term bastards not as an obscenity but to describe how the shooting community seems to view the belt-fed shooters. Let's make it happen. Suggestions, corrections, and death threats should be sent to: Dan Varner c/o Knob Creek Range, Box 690 Richey Lane, West Point, KY 40177.

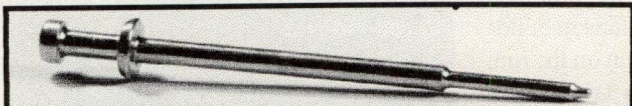
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Suppressor ..... \$ 650.00
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6. Ruger 10/22 auto/supp ..... \$1600.00
7. SWD M-11 9mm ..... \$ 500.00
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# MA DEUCE - Quick Change Barrel and The FIFTY/.50

by DAN SHEA

*Long ago and far away.... The small group of soldiers sat, fresh-faced and more innocent than they would ever believe, listening with rapt attention to the old Sergeant. His stories were full of hard days, fear and heroism, blood and booze. The soldier's life in another war. Waves of men with rifles and little else running over the tops of small, frozen ridges in the winter of a small country that he had never heard of. The Sarge (I can't remember his name, it's lost in the blur of so many late night history lessons and so many narrators) was a Korean Veteran, a man who had fought in the Great WWII, then re-upped for the next war, and the next. He knew the weapons in a way that we could only imagine. They were tools to him, like a mechanic's wrench, or a carpenter's hammer. If they didn't work right, then you couldn't do your job well, with the added occupational hazard of dying in the process.*

*Ma Deuce was his goddess, a harsh mistress if there ever was one. We had all been taught the drill of barrel changes and headspacing, written in memory like the times tables memorized in school. Those times tables don't mean anything until you need to use them, where they become an automatic part of your thinking, in the same way that a barrel change drill is academic until you need to change a hot barrel under fire. We sat with awe as he told us what was wrong with the drills we had been taught and how basic training wouldn't help in the real world. I was personally horrified by the frank brutality of the Korean battle stories, waves of Chinese charging into the guns of the vastly outnumbered Americans, .50 caliber bullets slamming through walls of unfortunately placed Communists. As a soldier and student of my new way of life, two things stuck out in my mind...the barrel took too long to change, so they would just keep shooting until the barrel self-destructed, and if they were over-run, "Ma" was a bitch to retreat with....*

## The Quick Change Barrel Retrofit by Saco Defense

The mechanics of a quick change barrel have been around for a long time. Many machine guns utilize this feature as a major selling point — it makes a lot of difference to the gunners, strategic planners, and the general outcome of a battle. The simple act of keeping your machine guns running can stop an attack or keep an assault in a forward roll.

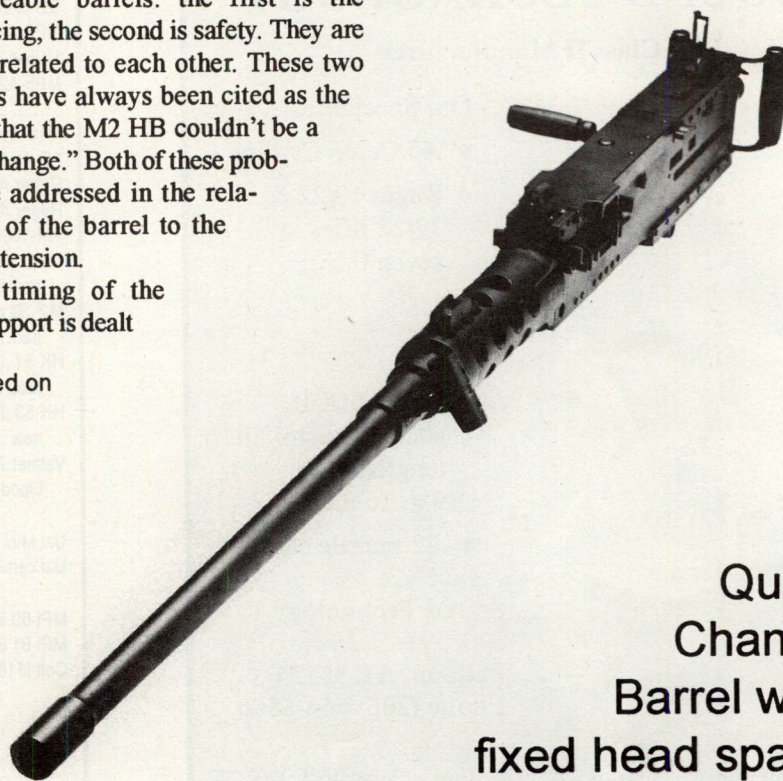
Saco Defense has been producing the M2-QCB since the mid 1980's. It's completely adaptable to an existing M2. Saco designed this quick change barrel kit to fit on all U.S. Government M2 .50 caliber machine guns. They are uniquely qualified to do that because they're the ones that did the PPE on the M2 HB drawing for the U.S. Government. Therefore, they know all the dimensions, tolerances, stack ups, and all the parts. This kit will fit up to any of the M2 heavy barrels that have been manufactured in the past.

There are two basic problems to be overcome in the Browning M2 series machine guns in order to make them have in-

terchangeable barrels: the first is the headspacing, the second is safety. They are directly related to each other. These two obstacles have always been cited as the reasons that the M2 HB couldn't be a "quick-change." Both of these problems are addressed in the relationship of the barrel to the barrel extension.

The timing of the barrel support is dealt

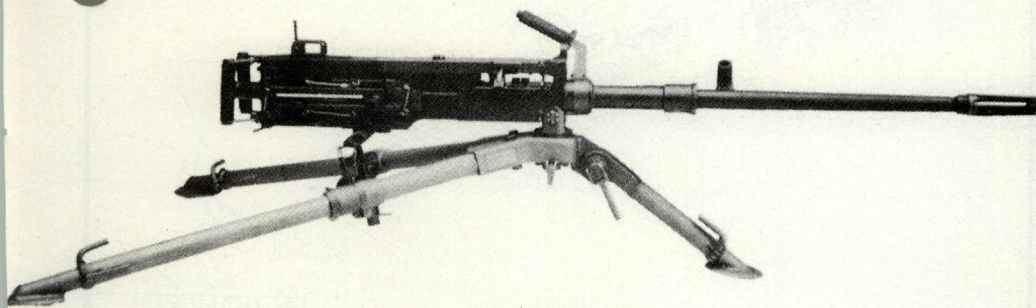
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Quick  
Change  
Barrel with  
fixed head space



# Saco Defense Fifty/.50



Anyone who has ever moved an M2 HB by themselves will be immediately drawn to the fact that Saco Defense's Fifty/.50 has a carrying handle on it. My first thought was that it was neat, but would still take one big "line-dog" to hump it. So, being a big "line-dog" (old and out of shape, but a line-dog nonetheless) I grabbed it and tried—what a surprise! It's only fifty pounds (Right, you clever guys—here's where the name came from.) The Fifty/.50 was reasonably balanced on the location of the handle, with the barrel as a counterweight. It would still be a drag to carry mile after mile, but it does have a quick change barrel, so the load can be split up very quickly. As far as mobility, this lightweight has it all over "Ma Deuce."

Changes from the M2 HB are myriad. This is not a retrofit kit. The receiver is entirely different, as is the barrel support. The receiver on the Fifty/.50 is of welded construction, rather than riveted construction. This reduces weight and improves producibility of the weapon. Saco has quite a bit of experience with welded receivers as a result of the MK-19 40mm grenade launcher they produce. (I am going back to test that soon, with Stan Andrews and Dick Morin.)

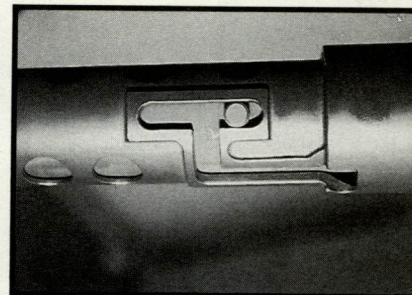
The barrel for the Fifty/.50 is a quick change similar to the M2 QCB, but they are not interchangeable. There is another

difference in that this model uses a J-slot type locking mechanism, (note: photo series on barrel removal at right) which is very easy for the user to understand and use. The carrying handle mounts to either side for firing, out of the line of sight to either the right or the left. For carrying it goes straight up and down, you just move it out of either side position and the weight of the gun keeps it in the upright position. When you set the gun down, just slide it to either side and it hits a detent that keeps it out of the line of sight. The flash suppressor is removable from the barrel by extracting the pin that holds it in position, then you can unthread it. Saco has both a flash hider and a flash suppressor available for this weapon.

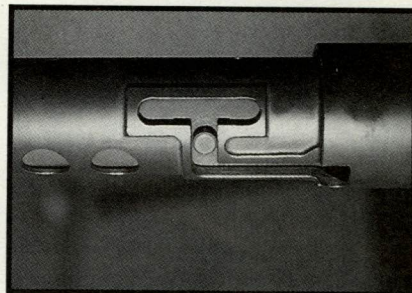
The M2 HB weighs 84 pounds. The actual listed weight on the Fifty/.50 is 56 pounds, a reduction of 33%. The majority of the weight that's been removed is in the barrel and barrel support. Throughout the gun Saco has made weight reductions by making lightening cuts in a number of parts, including the bolt and the barrel extension. There are even lightening cuts in the rear sight. They've also used other, lighter alloy materials in some areas, such as aluminum for the top cover. The basic groups are still steel. 72% of the parts are interchangeable between the M2 HB and the

Continued on Page 42

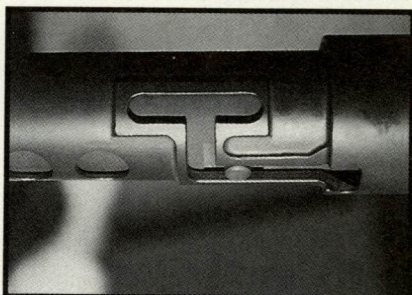
## Barrel Removal



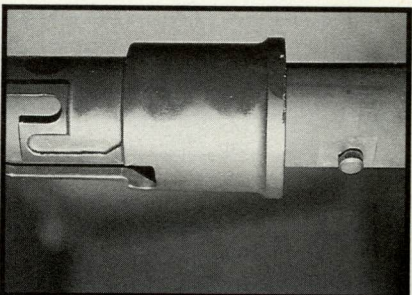
1. Barrel in locked position.



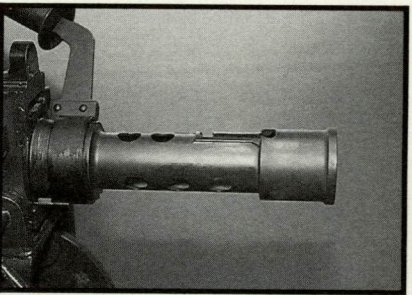
2. Barrel in half twist.



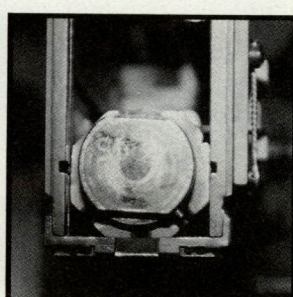
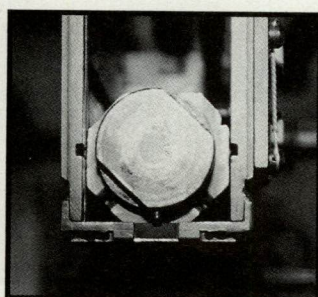
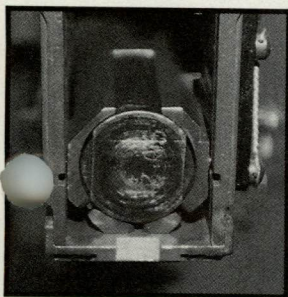
3. Barrel nut leaving channel.



4. Barrel being removed.



5. Light-weight barrel support.

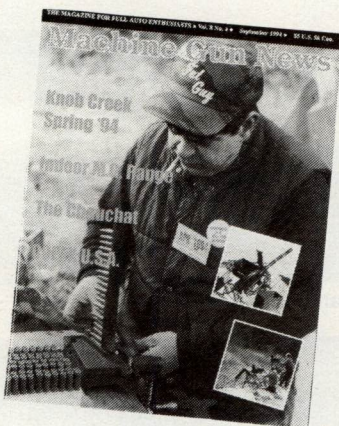


Three different speed controls. Note: rotate clockwise to increase rate of fire.



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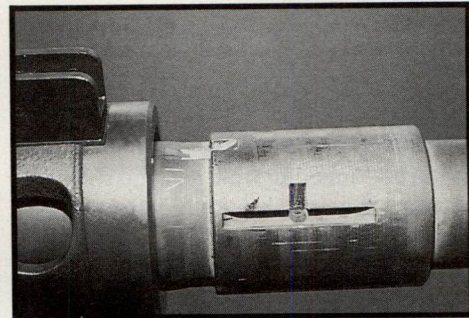
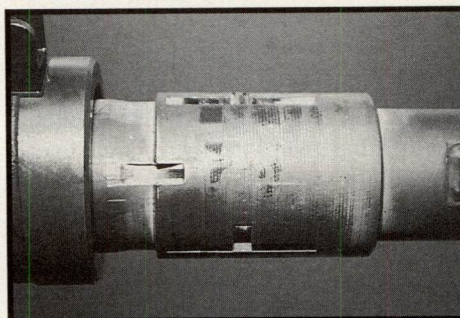
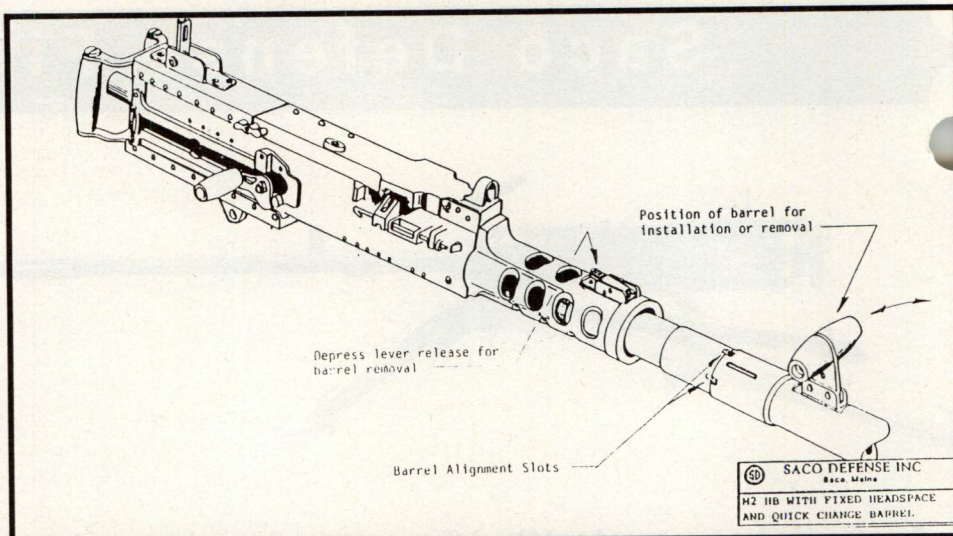
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Above left and right. Note the position of the barrel locking slots as the barrel is inserted.

Continued from Page 38

with by Saco Defense by changing the shim behind the barrel support. As with all M2 HBs, there's still a series of various thickness shims that are required in order to time the barrel support so that it ends up vertical. However, because the QCB barrel support has a lock mechanism on one end only, that must be on the top, it is sometimes necessary to use a half size shim, which is one half the pitch of the thread. That's what

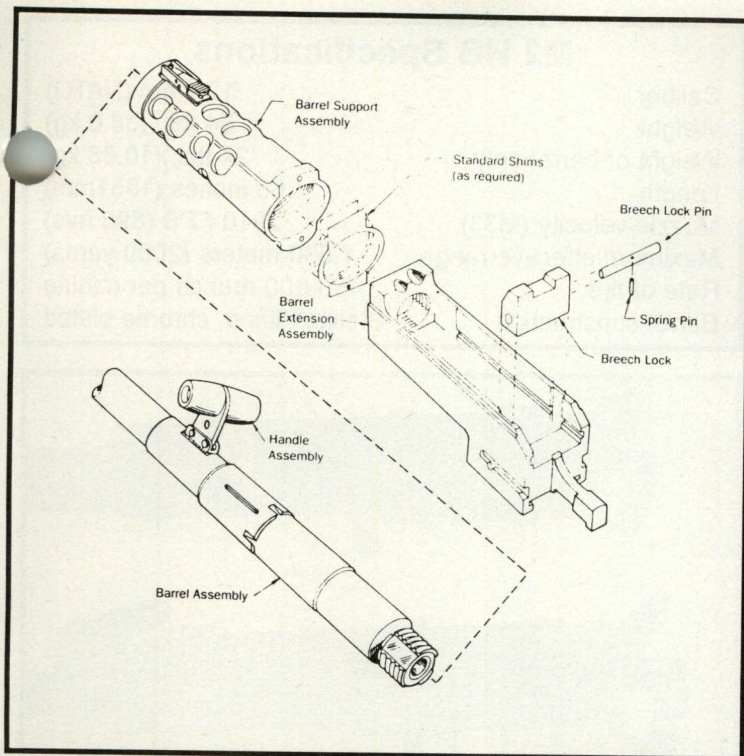
allows it to be timed so that it's always on top dead center. The support is a casting as it was for the M2 HB. In fact, it is the exact same casting that is used on the M2. This is retrofit by drilling a few holes, then the locking device is mounted onto the barrel support. This engages the barrel on the QCB to prevent it from rotating out of position.

There is no weight change on the barrel, which is stellite-lined and chromed plat-



The M2HB (Heavy Barrel) machine gun series manufactured by Saco Defense is employed in both offensive and defensive operations.



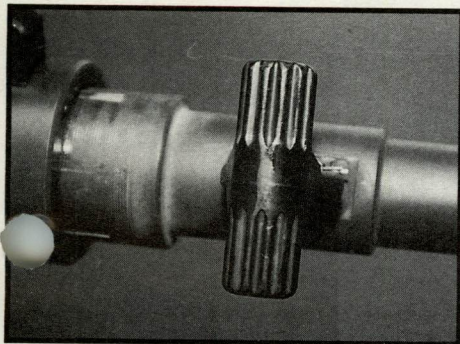


M2 QCB Conversion Kit Components.

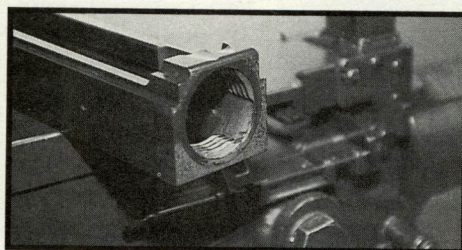
ed. The two differences are: instead of having the carrying handle that the government has on the M2 HB, there is a permanent carrying handle. It no longer requires a heat mitten to change the barrel. The second main difference is that to facilitate the QCB set up, the threads are interrupted. They engage in one-third turn. The threads are sized differently so that a barrel must be seated all of the way in position, or it won't turn into place.

Barrel removal is accomplished by pushing the release button or by pulling the cocking handle back, just a half an inch or so. There are two different versions of the quick change barrel kit. One has a high profile release that allows you to just press the lever and unlock the barrel. The low profile design, which is designed for tight, enclosed spaces such as turrets or cupolas, requires you to retract the charging handle just slightly to disengage the barrel lock.

The barrel extension assembly is dif-



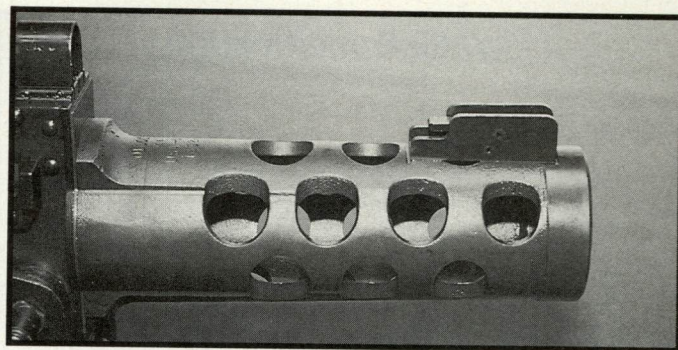
Barrel handle.



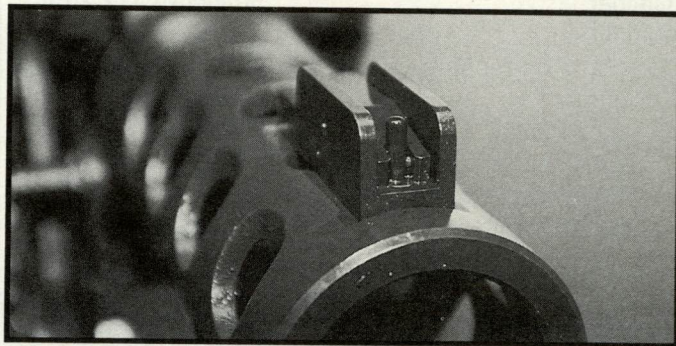
Interrupted threads inside barrel extension.

ferent in that it has an interrupted thread to match the barrel. The other change in the barrel extension assembly is that the ratchet detent is no longer required. On a regular M2 HB, you had to seat the barrel and lock it in position. That is no longer necessary and is not included on this barrel extension. One other significant difference is that the barrel extension assembly has the breech lock permanently assembled to it in the QCB configuration. Breech locks are available in varying sizes and thicknesses. These are used to adjust the headspace one time for each gun. Once you selected the correct breech lock for that gun, you pin it permanently to the barrel extension. This assures that the headspace is maintained with the gun. Once that is set, you can put any QCB barrel into any QCB gun and not have to verify headspace at every barrel change.

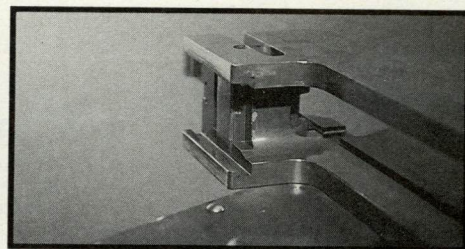
There is no change in firing rate or weight of the M2. It basically operates like a regular M2 HB. It feels just like a regular M2 HB. The only change noticeable to the operator is the way the barrel is re-



Barrel support with quick release.



Close-up of quick release.



Changes to barrel extension.

moved. The two primary advantages for the QCB are: additional safety because now you are not relying on the soldier to remember how to properly set headspace, (or even to set it — there are those who are lax about this, with ensuing danger to equipment and personnel,) and you can change the barrels very quickly and easily in the field without having to use a heat mitten.

The Saco M2-QCB is available as a conversion kit, which makes it very cost effective for the customer to upgrade existing M2 HB weapons. The field modification can be performed by a unit armorer.

MGN

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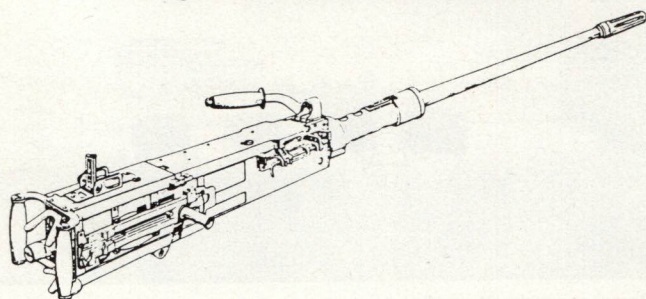
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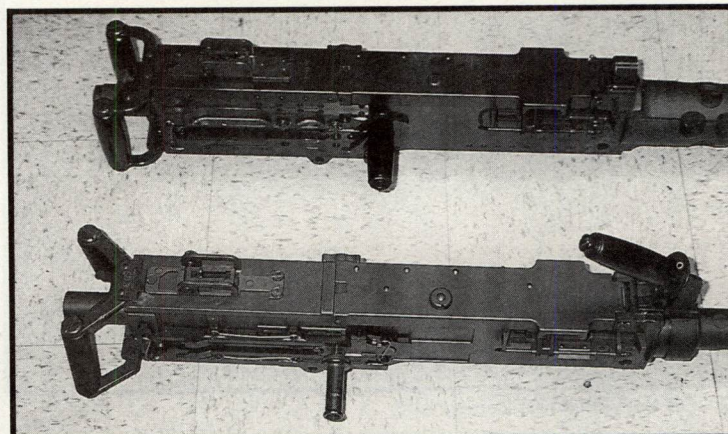
## Fifty/.50 Specifications



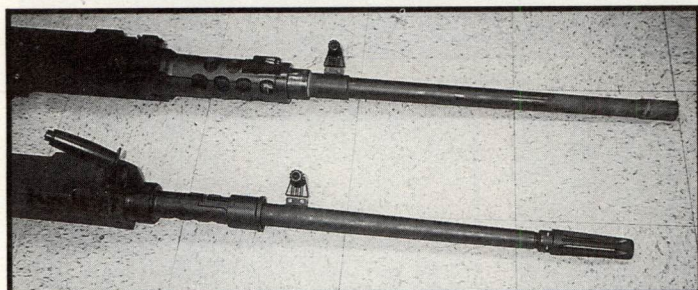
Caliber	.50 inches (12.7mm)
Weight	56.0 lbs. (25kg)
Weight of barrel only	16.0 lbs. (7kg)
Length	61.6 inches (1.56m)
Muzzle velocity	2830 FPS (M33 ball)
Muzzle impulse	8.3 lb. - sec.
Maximum effective range	2000 yds. (1830 m)
Cyclic rate of fire	500-725 SPM (adjustable)

## M2 HB Specifications

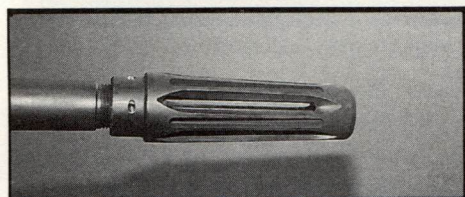
Caliber	12.7mm (NATO)
Weight	84 lbs. (38.0 kg)
Weight of barrel only	24 lbs. (10.88 kg)
Length	65 inches (1651mm)
Muzzle velocity (M33)	2910 FPS (890 m/s)
Maximum effective range	1,830 meters (2000 yards)
Rate of fire	450-600 rounds per minute
Barrel construction	Stellite® lined, chrome plated



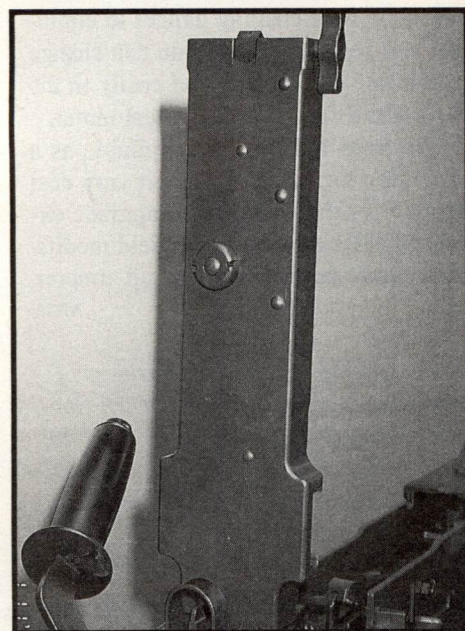
Receiver group comparison M2 HB top and Fifty/.50 bottom.



Comparison of front end M2QCB top Fifty/.50 bottom.



Fifty/.50 flash hider.



New light-weight top cover. Note carrying handle on left.

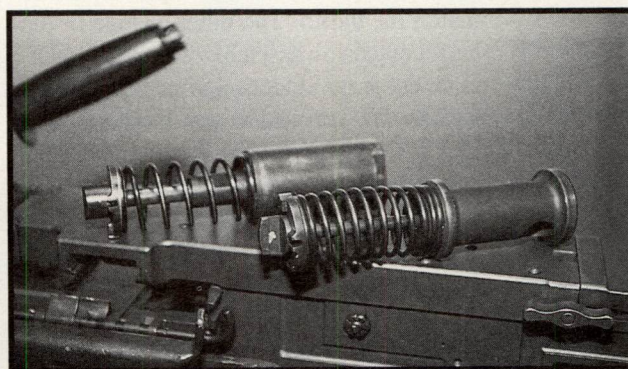
Continued from Page 39  
Fifty/.50. The bolt, the barrel extension, the back plate and the spade grips are interchangeable into a regular M2 HB system. The spade grips on the Fifty/.50 are a lot more comfortable to fire.

They are canted at a bit more of an angle so they're more natural to hold for the gunner and they're also knurled to improve the grip.

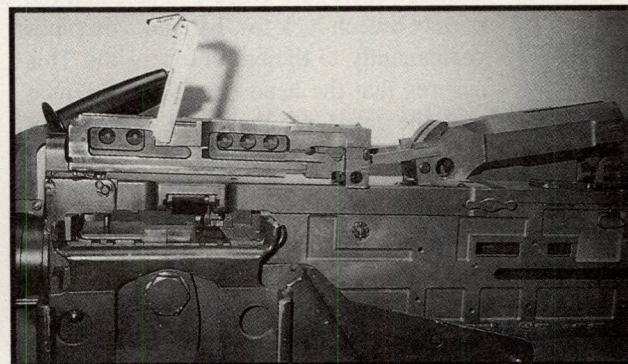
(Ergonomically designed, Peter). There is also a cross bolt safety on the grips.

The Fifty/.50 has an adjustable rate of fire. Due to the lightening of components in the gun, the natural cyclic rate of the gun is actually faster than an M2 HB is. The rate is made adjustable in order to be used in different applications. This is done with a hydraulic buffer that has variable orifice openings. As you turn the buffer to any of the three positions, the orifices have changed, dampening the rate of fire, and can actually give the operator an adjustable rate anywhere from 500 rpm at the slower rate to 725 rounds per minute at the higher rate.

The center position is about half-way between these two rates. Depending on your mission, you may set it for a higher rate for faster moving targets and

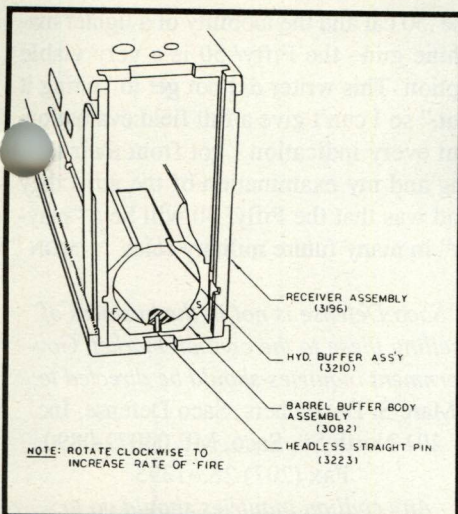


Standard buffer and Fifty/.50 buffer.

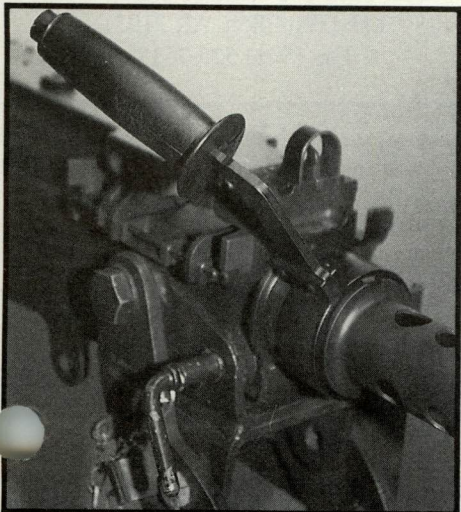


.50 light-weight bolt on top of Fifty/.50.





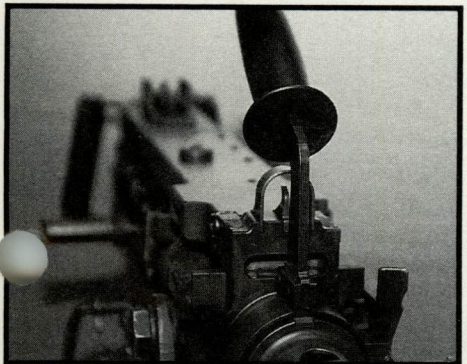
Rate of fire adjustment.



Handle can be in the left or right position when firing.

lower rates for standard ground targets. There's no semiautomatic setting. Achieving semiautomatic is by the shooter squeezing the trigger very quickly and abruptly to get single shots.

This weapon does not have a bolt latch release. You can, however, lock the operating group to the rear with its specially designed charging handle. You charge the weapon to the back and push in on the handle, which locks the operating group to the rear. Removing the bolt latch was another



Handle in carry position.

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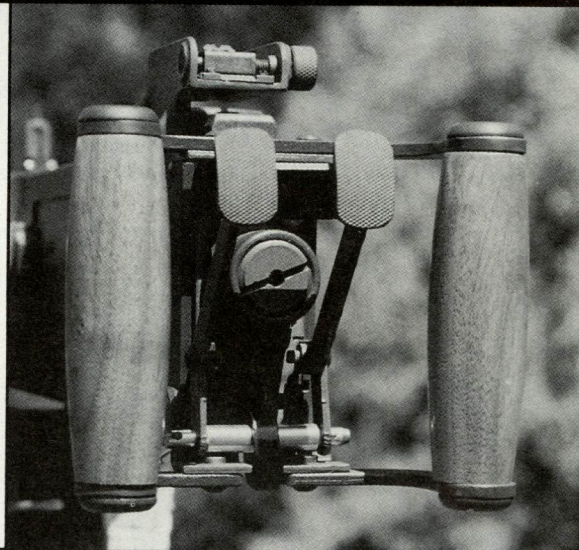
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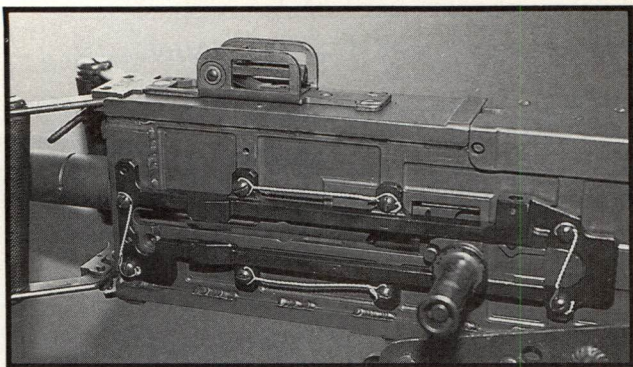
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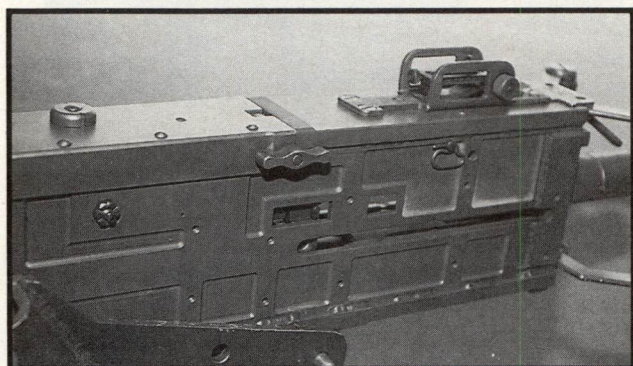
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Cocking mechanism. Note: welded side plate.



Welded left side plate detail.

weight-savings for the weapon, as was making the charging handle smaller while maintaining the retractable slide mechanism for safety.

There is a special scope mount used on the Fifty/.50. It's a combination rear sight and dove tail mount that you can use to put different scopes on.

Saco's Fifty/.50 goes on a standard M3 mount so it will mount in any system currently in use for the M2-HB. The mounting points on it are identical to a regular M2 HB, so you can use it in any application where the M2 HB would fit. It's very flexible — if you already have existing systems for the M2, you can use the Fifty/.50. Saco Defense is currently developing a new, light-weight tripod to replace the M3

which would provide a total .50 cal system that is a significantly lighter weight than the existing system. You can also install a backplate with a solenoid on it for remotely fired applications. Because of its light weight, this gun is well-suited for helicopter type applications.

All of the compliments of .50 caliber arsenal in production today are usable in the Fifty/.50. The barrel is chrome plated with a stellite liner. This allows the use of SLAP ammunition, as well as the other various armor penetrating rounds. The stellite liner makes for a very long barrel life.

In summary, we've got a light-weight .50 cal that is based on the very reliable Browning operating system

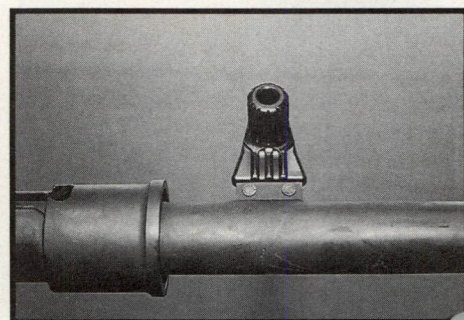
and gives you an adjustable rate of fire and a quick change barrel. Saco Defense has basically refined a good system and made it better. The Fifty/.50 is not currently in production.

Some guns have been made for tests. The U.S. Army and Navy have done extensive tests on the Fifty/.50, with very good results. Right now Saco is working on finding their base market for this weapon. Just recently they've found some interest with some of the U.S. Special Forces. If there is a unit that requires the power of

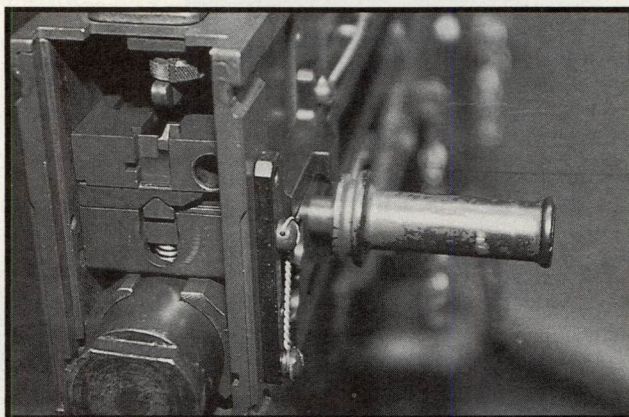
the .50 cal and the mobility of a lighter machine gun— the Fifty/.50 is a very viable option. This writer did not get to "wring it out," so I can't give a full field evaluation but every indication I got from their testing and my examination of the guns they had was that the Fifty/.50 will be a "player" in many future military roles. MGN

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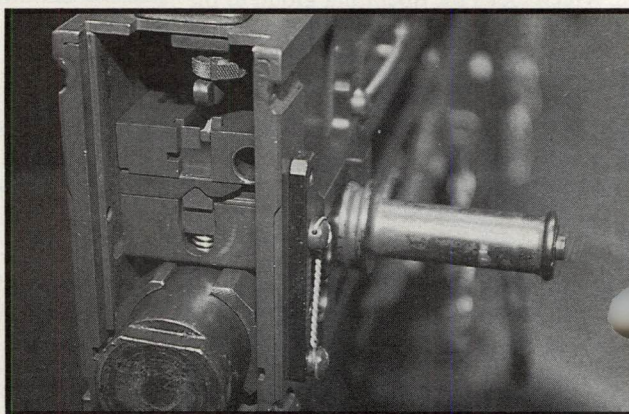
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Barrel carrying handle.



Bolt handle in firing position.



Bolt handle locked to the rear.



Comparison of new Fifty/.50 spade grips (left) and original M2 grips right.



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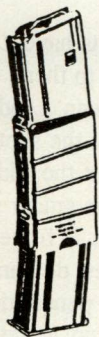
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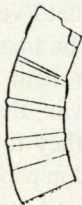
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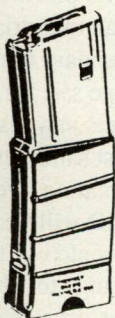
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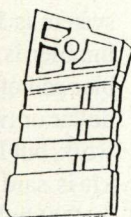
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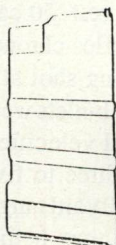
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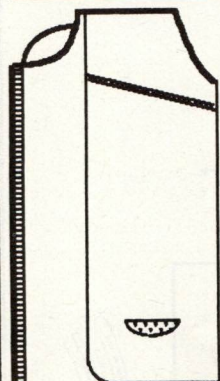
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# Slick Bullets



by **MARK WHITE**

For some time we have been in contact with Roger Johnston at NECO, a company which specializes primarily in bore lapping materials. NECO has a patented process whereby bullets are tumbled in a media of hardened steel shot, molybdenum disulphide (which we shall henceforth call simply moly, a dry powder lubricant), crushed corncob media, and flakes of carnauba wax. Two things happen with this process which are worthy of note: First, the bullets are pounded with little metal shot, and this gives them a tiny dimpled effect, which can only be seen through a strong hand lens or a microscope. Years ago golfers discovered that small dimples in a golf ball improved its speed and range by somehow reducing air friction. The other thing which happens is that the gilding metal of the bullets is coated with moly, and that this fine powder is driven deeply into the metal pores. The fine carnauba wax helps seal the moly in place and adds to the lubricating qualities. The net result is even faster bullets with even less chamber pressure. Experiments with bench rest .50 caliber Browning machine gun rifles chronographed uncoated bullets being shot at a 1,000 yard target. When coated bullets were loaded and driven to identical velocities, they struck the same target three to five feet HIGHER at that same 1,000 yard range.

There's more. While wax may help a bullet slide through certain low pressure environments, moly has whatever it takes to lubricate effectively under extreme pressure conditions, such as the lead in a bore's throat and on the driving sides of the lands of rifling. So, metallic galling and binding is reduced as well, which may lead to vastly reduced bore wear (which has not as yet been documented). The benchresters

should be able to tell us about that first, as some note decreased accuracy after as few as 800 rounds in some hot loads of certain cartridges.

The treated copper bullets have a very unusual dark silver coloring to them, quite unlike any bullet I've ever seen. Lead bullets may also be treated, but the shot size may differ for them. Without the addition of carnauba wax, the bullets smear moly on anything they touch, be it fingers or holes punched in paper targets downrange. One might expect increased penetration in any media, although this has not as yet been either investigated nor demonstrated.

The bore MUST be cleaned and properly polished prior to use of the moly system, but after that, the moly coats the throat and rifling very effectively and prevents lead and copper buildup in reasonable loadings. Accumulated fouling is easily wiped out with a few patches, in most cases. NECO's cost for a kit to use its patented system is \$108. The price for an industrial tumbler is \$300, although a lapidary tumbler can often be had at a garage sale for a dollar or two. Vibratory tumblers may also work, but I do not know this first hand. One kit is said to be capable of treating over 40,000 bullets. For a fee, NECO will treat bullets of any quantity if you would like to experiment before committing to the process. While this process was developed primarily for benchresters, it would appear that machine gun barrels would benefit to a greater degree.

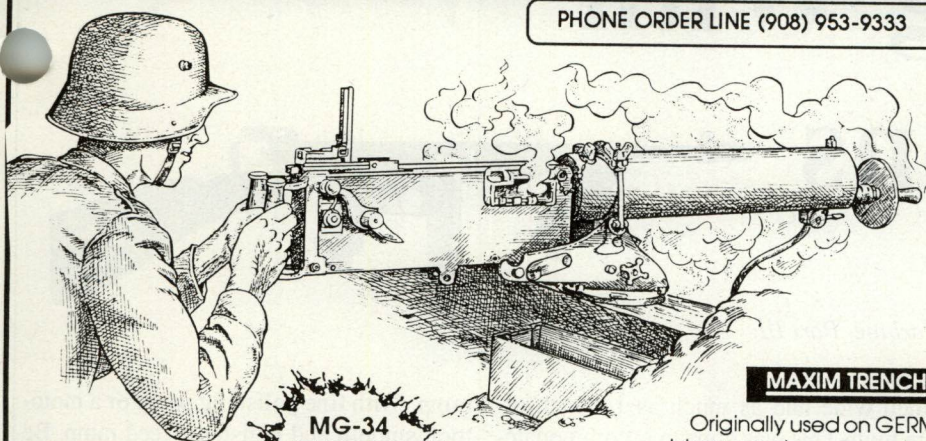
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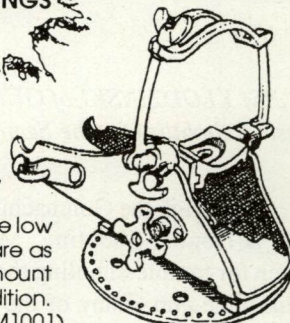
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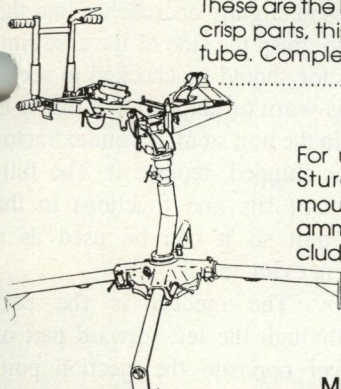
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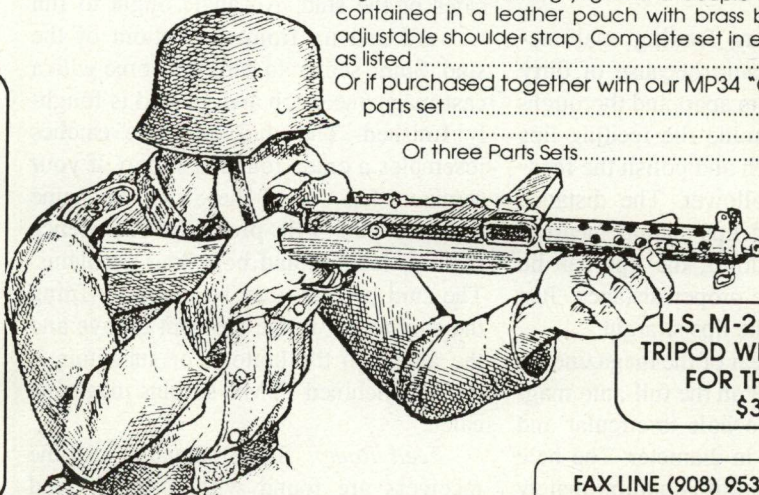
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# Tinkering With Thompsons



by JIM KLODZINSKI of GUNMACHINES

*Basic Reliability for the Semiauto Thompson Carbine, Part III.*

**A**lthough the Gunmachines 13-Step Trouble-Shooting Manual was written for trouble-shooting the Thompson submachine gun, many of the steps apply directly, or by analogy, to the semiauto carbine. Steps 4, 8, and 10 which deal, respectively with the rocker, blish lock (H-piece) and actuator do not apply.

The rocker and blish lock are parts having functions only relevant to the full-auto Thompson. The rocker is moved up and down by the selector switch to place the TSMG in either semiauto or full-auto mode. The blish lock functions to hold the actuator to the bolt and was also designed to lock the bolt forward at the moment of ignition. Both items are not part of the semi-auto carbine design and cannot be made to fit or function in it. The full-auto and the semiauto both have parts described as an "actuator" or "cocking handle." The semiauto "actuator" is cylindrical and only functions as a handle to cock the firearm—for the 1927A1 version from the top, for the M1 version from the right side.

Steps 1, 2, 3, 5, 6, and 7 dealing with magazines, the magazine catch, feed ramp, extractor, ejector and chamber directly apply.

**Magazines:** Many feeding malfunctions occur in semiauto because of dirty magazines. Take them apart and thoroughly clean them. Examine the feeding lips for burrs, and smooth and polish the feeding lips and the follower. The distance between the feeding lips should measure 0.55 inch. If they don't, the lips can be carefully bent to the proper distance. Just make sure to keep the lips straight.

The hole at the rear of the magazine rib is larger than the one on the full-auto magazines. The full-auto hole is circular and about .3 of an inch in diameter. The hole on the semiauto version is approximately

.3 inch wide and as much as 1/2 inch or more high. This was done to accommodate a proper seating of the magazine to compensate for the difference in the height of the magazine well necessitated by slightly different dimensions of the receiver. This was done to comply with BATF requirements that the semiauto not be readily converted to full auto. Many semiautos have inadvertently come with full-auto magazines, either originally or upon resale. The full-auto stick mag will not properly fit and function on a semiauto and vice versa. Many semiauto Thompson owners have also purchased surplus TSMG magazines for use with their semiautos. The hold on the rib of these magazines needs to be enlarged, otherwise they won't work.

**Magazine Catch:** Examine the stud on the mag catch which protrudes through a hole in the trigger-frame located forward of the trigger. The stud moves forward through this hole to engage the hole on the rib on the back of the stick mag. In order to hold the stick magazine at the correct position, the stud should have a neat well-machined groove on the top. This groove also extends about half way down the sides of the stud. An angle ought to run forward and up from the bottom of the stud. Some semiauto carbines come with a cast magazine catch and its stud is roughly finished. The stud on these catches resembles a crude rounded stump. If your semiauto has one of these cast magazine catches, you will probably experience seating, feeding and bolt drag problems. The stud problem can be cured by filing the stud to put in the crescent groove and the angle on the bottom, or substitute it with a machined TSMG surplus magazine catch.

**Feed Ramp:** Some semiauto carbine receivers are found with a rough feed

ramp. With fine polishing paper or a moto-tool, smooth and polish the feed ramp. Be careful not to take off more metal from the feed ramp than is necessary to only smooth and polish it. Sometimes, also, a small hump is found on the feed ramp. Just smooth and polish it, unless the hump is too high and interferes with the feeding of the cartridges—in that case lower the hump by filing or with a moto-tool.

**Extractor:** The extractor is the long narrow part slid lengthwise into the right side of the bolt stem. The extractor head is hook-like and slightly encroaches into the bolt face to grasp the side of the case rim. The extractor should be checked to see the head is worn or chipped and that it is not loose in the bolt stem. If your extractor is worn or chipped, replace it. The full-auto extractor fits and functions in the semiauto bolt so it can be used as a replacement extractor.

**Ejector:** The ejector is the part screwed through the left forward part of the receiver opposite the ejection port. Check it to see if it is worn, chipped, broken or loose. If worn or broken, replace it with a TSMG surplus ejector. Remember the screw portion of the 1927A1 ejector is twice as long as the screw portion of the M1 version, just as is the case with the full-auto ejectors for the 1921/28 and the M1/M1A1.

**Barrel Chamber:** Thoroughly clean it and smooth and polish it.

**Buffer Pilot and Buffer Assembly:** This is of a completely different design than the full-auto pilot and buffer. It utilizes two recoil springs instead of one. Smooth and polish the recoil spring guides and the inside and edges of the holes in the bolt that accommodate them.

**Firing Pin:** Check it for burrs and completely smooth and polish it—particularly the edges. Also, try to smooth and



polish the slot in the bolt in which the firing pin rides. Check the firing pin spring for kinks and the strut for burrs.

**Recoil Spring:** Check them for kinks. Generally this ought not to be a problem because of the design of the semiauto pilot and buffer assembly. However, if you have a kinked or weak spring, replace it.

**Bolt Stem Aperture:** This is the hole in the receiver that separates the bolt channel from the magazine well. The bolt stem goes through this hole as it travels forward and strips off a cartridge from the magazine and moves it forward into the chamber. Examine the circumference for peening and the bolt stem for peening and streaking. If you find evidence of peening or streaking, it means that the bolt stem is knicking or rubbing on the circumference of the bolt stem aperture during bolt cycling. Smooth and polish the bolt stem aperture in the areas where the bolt stem is rubbing. This may be the cause of ignition, feeding and chambering problems.

Basically, reliability in the semiauto comes down to fundamentals: cleaning, smoothing and polishing. However, pay attention to the holes on the rear of the magazines and the stud on the magazine catch. If you implement this basic program, your semiauto Thompson carbine ought to function and fire reliably.

#### IN ENDING:

This article brings to a close the "Tinkering with Thompsons" column. I have been at this for about five years, beginning with the series "Making Thompsons Work!" It has been a pleasure writing this column for *MGN*, and I appreciate Vida Ford for giving me the opportunity. Because of this column, I have met many wonderful TSMG buffs via the telephone, letters, or gun shows, particularly at Knob Creek and I will not forget them. Thank you all for the many kind comments. I will continue on the masthead as a contributing writer and periodically submit articles on other full-autos and also on the Thompson.

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# The Ammo Bunker

by **DUTCH HILLENBURG**  
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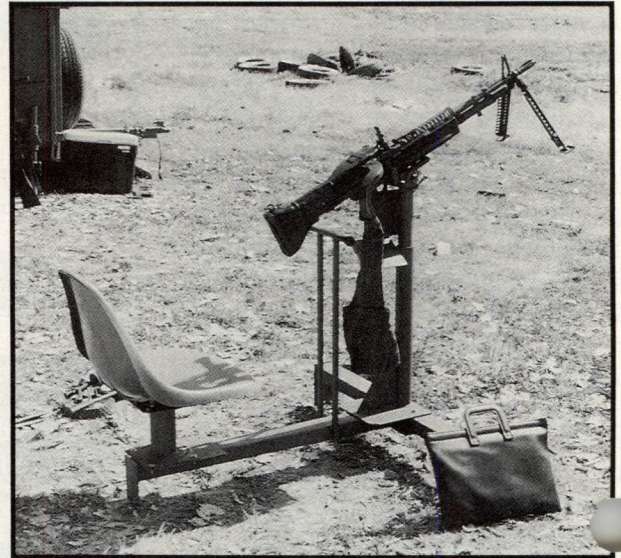
Once asked two leading authorities on belt-fed weapons, Bob Landies and Kent Lomont, what *one* belt-fed machine gun they would pick if they had to choose. Both immediately chose the .30 caliber Browning. They admitted that there were hard-core enthusiasts who would argue for the MG34, MG42, M60 or the big .50 caliber M2 affectionately known as the "Ma Deuce." It is, however, difficult to argue with their logic. John Browning's designs are nearly *one hundred years old* and they are still as brilliant today. The Browning machine gun has proven itself a truly timeless design with only relatively minor modifications. The damned things *work* and practical utility never really becomes obsolete. Surplus parts are plentiful and cheap. They were adaptable to a variety of configurations and calibers. Basically, the .30 Browning is *the* Machine Gunner's Practical Belt-Fed.

Finding a good mount is not as easy, however. The G.I. issue mounts are heavy,

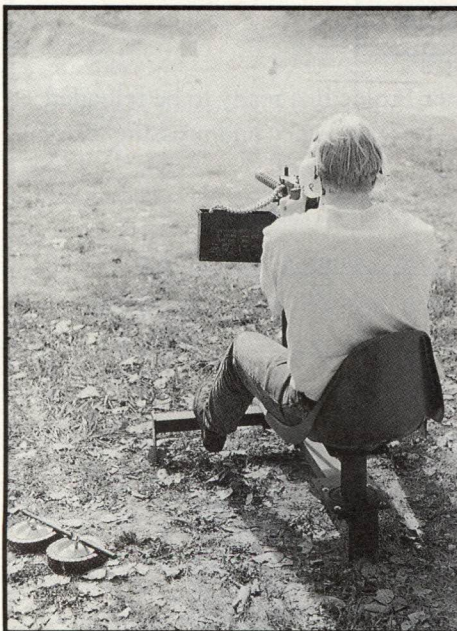
awkward and very low to the ground. That's acceptable for something intended to be used in static defense where you want a somewhat heavy mount to steady the weapon, and there is a crew devoted to lugging the entire affair around. In such an environment you'd also want the mount close to the ground to minimize the exposure of the crew to enemy fire. If you aren't being shot at, most of us would prefer to shoot from an upright position rather than crouching in the mud and struggling to see the weapon's sights. There are always vehicular mounts, but they aren't really very practical without a heavy vehicle to mount them upon. I have seen numerous attempts to mount belt-feds on some sort of improvised pedestal but this never provides a really good solution to the problem. Most such mounts are also quite heavy and awkward. They also

suffer an additional problem. They are as unstable as my old girlfriend and that gives the gun a wide shot dispersion. *Thank goodness, she had one too!* In a short range, it is quite easy for this "shake factor" to allow the rig to rock back and forth so far that rounds start going over the berm making up the range backstop.

Until now, nobody has offered a mount that gave the user acceptable weight, portability, and a comfortable upright shooting position while still providing a stable shooting platform. I said, until now. I first saw the MB94 mount at Knob Creek and knocked me out! Since then, they have made improvements based



The MB94A1 machine gun mount with M60.

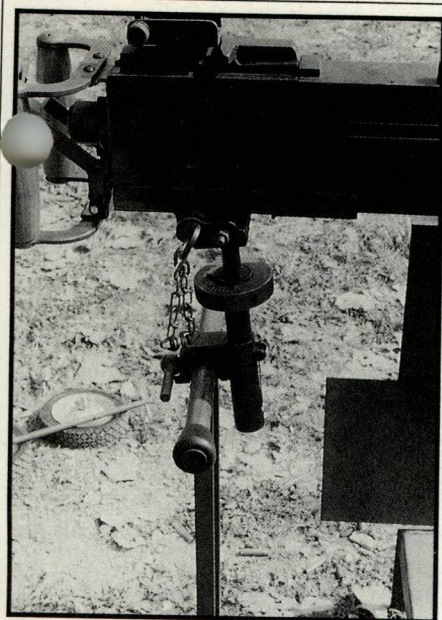


MB94A1 machine gun mount in use during firing.



Fitted with optional "travel trolley" wheels, the MB94A1 machine gun mount is easily transportable.





Close up of the T&E bracket.

upon the practical suggestions from those who had used the mount while the mount was being demonstrated at Knob Creek. The new version has been designated the MB94A1. Among the improvements are an improved T&E bracket which allows the mount to be used with a variety of guns. The earlier version could accept weapons other than the M1919A4 .30 cal but the T&E couldn't be used. The mount will now accommodate the M1919A4, M1919A6, M1917 Water-Cooled, M37 Ground Gun and the M60 GPMG.

The best thing about the mount is that it was designed for machine gunners by machine gunners. It manages to provide a rock solid base while remaining a manageable weight and easily transportable. Fitted with the optional "travel trolley" wheels, it is very easy to move the mount around the range. Remove a few bolts and the wheels pop off and the whole mount disassembles for easy storage or transport. It disassembles small enough for your car trunk or back seat.

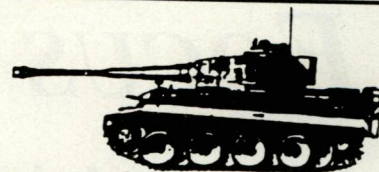
What about price? *I said that it was designed for machine gunners by machine gunners.* It is currently being offered for \$379.95. They have them in stock so you won't be on a big backorder list if you act fast and get yours before the word gets around and they get buried with orders. *What a deal!*

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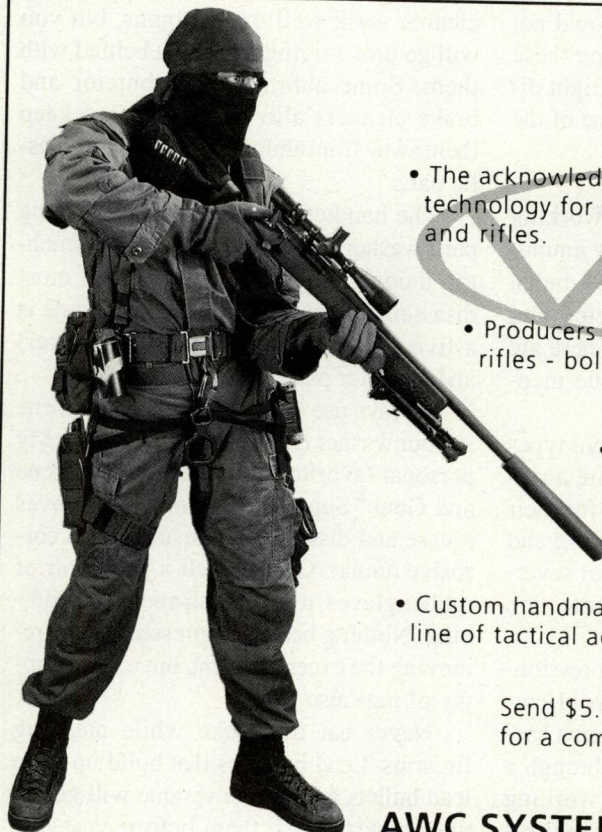
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# FOCUS ON:

## Basic Training: Gunsmithing Tools & Techniques Part 1: Hand Tools

by CARL SILVER

Welcome back to *Focus On*. I hope the flame from the recoilless rifle warmed up your cold January. Some of the results of the reader's survey were the requests for both beginners and advanced technical articles on machine gun design and repair. The objective of the **Basic Training** articles will be to explain the basics of firearm maintenance and repair, highlighting some of the machine gun specific items such as headspace testing, safety-wiring, and checking timing. These articles are not intended to magically transform you into a master gunsmith. There are many tasks that require the skill, training and experience of a professional gunsmith and should not be attempted by a beginner. I hope these articles will get you started in the right direction. This article will cover some of the basic hand tools.

### SAFETY

Before you even *think* about working on a firearm, you must remove any ammunition feeding devices (magazines, belts, drums, clips, chuting, hoppers, etc.) and verify that the chamber is clear. There are several other items that need to be mentioned.

All guns contain springs of various types and shapes. Recoil springs can store a surprisingly large amount of energy for their size. The .30 Browning recoil spring and guide rod have been responsible for several fatalities by themselves. Eye protection is mandatory.

Have you ever noticed that professional automobile mechanics usually avoid tearing up their hands while working on a car? This is partially due to thinking through a task before attempting it. When working with sharp edged or pointed tools, always consider where the tool will go if it slips off the item that you are working on. Think about how much time you will waste in the

local Emergency Room versus taking an extra 30 seconds to clamp the item in the vise (besides, you know how blood *ruins* bluing).

When using a wrench, position it so that you are **pulling** rather than **pushing** it. If you push and the wrench comes off the bolt head, your momentum could cause you to skin your knuckles on the item you are working on.

### CLEANING SUPPLIES

Before one repairs a firearm, it is necessary to clean it. The family dishwasher works well, but this usually leads to severe home problems. The spray cans of gun cleaner work well on handguns, but you will go broke trying to clean a beltfed with them. Some automotive carburetor and brake cleaners also work well, but keep them away from aluminum, rubber and plastic parts.

The handiest device is a recirculating parts washer. There are several small benchtop models available that will hold most disassembled guns. A cheaper substitute is a five gallon plastic bucket (with cover) and a broiler pan (turkey size).

Always use safety solvents or kerosene in your washer (**NEVER** use gasoline). My personal favorite is a mixture of kerosene and Gunk® Super Concentrate. It removes grease and dissolves the residue from corrosive ammo. Get yourself a good pair of rubber gloves, a stiff brush and start scrubbing. Nothing beats compressed air for removing the excess solvent, but a good supply of rags also works.

Never eat or smoke while cleaning firearms. Lead particles that build up from lead bullets and primer residue will get on your hands. Wash them before eating or smoking.

Some other tools that will expedite gun cleaning: dental picks, pipe cleaners, clean-

ing rods, bore brushes, Q-tips and more rags. One tip about cleaning carbon residue: When brushing or scraping, always use a tool or brush that is **softer** than the metal you are trying to clean. Most of the stainless steel brushes are very hard and can destroy gun parts. The close tolerances of a gas piston assembly will not function properly if they are scratched or gouged.

### BASIC TOOLS

Most people possess an assortment of hand tools that they use for automotive repair or home maintenance. The wrench and socket sets are rarely used for gunsmithing (except when working on mounts for crew-served firearms). The other handtools will be useful, but some uncommon tools are necessary.

### SCREWDRIVERS

The common flat blade screwdriver is designed for driving wood screws. The blade has a wedge-shaped profile that is smaller at the tip. It distorts and mars the slot when used on machine screws. Gunsmith screwdrivers have hollow-ground blades that drive the screw from the base of the slot.

Before you use a screwdriver, inspect it for nicks or rounded tips that could cause the screwdriver to slip out of the slot. The width of the tip should be as close as possible as the width of the slot. Hold the screwdriver in line with the screw and make sure it is fully seated before turning. **Never** use a screwdriver as a pry bar or hammer on the handle. The Chapman® midget ratchet screwdriver kits are a compact alternative to separate screwdrivers.

### PUNCHES & DRIFTS

The second most often used tools are punches and drifts. The **center punch** (tapered with a sharp point) is used to mark metal for drilling and for staking parts in place. When staking, the point of the punch is used to expand metal on the edge of a screw hole so that it bears against the head of the screw to prevent it from turning.

**Pilot punches** (straight shaft with a round ball in the center of the point) are used for driving out roll pins that hold various parts together on a firearm.

**Pin punches** (straight shaft with a flat tip) are used to drive out rigid pins that hold a gun together. Gunsmith pin punches have a reverse taper that prevents the punch from sticking in the workpiece.

**Aligning punches** (tapered shaft with a rounded point) are used to line up holes in metal parts for inserting pins and bolts.

**Brass drifts** are used to drive out steel



parts (like a sight in a dovetail) without damaging them.

Before using a punch or drift, always inspect the head and point for mushroomed metal can chip off (at high velocity) and cause serious injury. The mushrooming can be removed by grinding.

#### HAMMERS

The eight-ounce **machinist's** (or **ball pein**) hammer is used when a large amount of force is needed to remove tightly stuck pins. The hard, round side of the head is used to pound out and blend burs in metal.

The **brass head** hammer is used to force in tight fitting parts and to strike punches that are used on small pins. Since brass is softer than steel, one can strike the firearm without nicking or burring it.

The **plastic face** hammer is used in the same manner as the brass head hammer, but for more delicate work.

Before using a hammer, inspect it to make sure that the head is firmly attached to the handle. Check for any grease on the handle, and clean it with solvent if necessary. Also look for any cracks or burs on the face. Use the proper sized hammer for the job. *Bigger is not always better.*

#### ALLEN WRENCHES

Many modern firearms are assembled with allen headed screws. These fasteners may be either fractional or metric. Get small sets of "L" wrenches in both types. The sets that come with a plastic retainer simplify your tool inventory when the job is completed.

#### VICES

The **machinists' bench vise** may be the most important tool in the shop. It is used to hold parts so you can accurately work on them. Some of the features to look for when selecting a vise are: **Swivel base**—this gives you more flexibility in positioning your work. **Soft Jaws** or inserts—these are made of either copper or aluminum and allow you to grip steel parts without nicking or burring them. If you already have a vise, you can easily make soft inserts from sheet copper or aluminum. **American made**—most of the inexpensive imports look great, but do not hold up when used for gunsmithing.

#### NEXT MONTH. . .

Some of the subjects that will be described in the April installment: files, pliers and other abrasives, power tools, vacuum cleaners, tool sources and some specialized tools and gauges. (I am also working on several *Focus On*: gun articles!)

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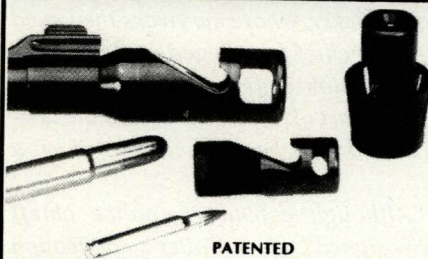
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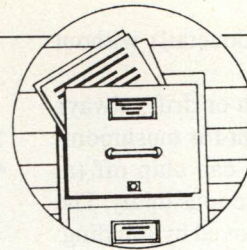
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# The Forms

by DAN SHEA



I have had several conversations recently with Class 3 dealers who feel that we are approaching a "change" in some of the ATF policies regarding Post-86 dealer sample machine guns. This will hopefully mean transfer of these firearms between Special Occupational Taxpayers without the "Law Enforcement Demonstration Request." This is not written in stone; it is merely "possible" at this point. No other dealer sample policy would be changing. This would be a major aid to those of us in the business. The sample letters have always been a roadblock in a dealer's path. If you don't have a police letter, you are blocked from the inexpensive demonstrators that you need in order to make the sales to stay in business. Is there any abuse of this? Minor. The reality is that the 1986 law banning the further manufacture of machine guns for private ownership created the vast disparity in prices between "transferable" machine guns, "Pre-86 dealer samples," and the new "Post-86 dealer sample" category guns.

Imagine the government stepping into the police uniform market...salesmen must have a qualifying letter from a police department in order to buy sample uniforms at a reasonable price, because the collector market has soaked up the "pre-ban on private ownership of police uniforms" available items at highly inflated prices. (This is a "hypothetical model" for my use only—don't let HCI read this one...) Private ownership of police uniforms was banned because some criminals had worn them, impersonated an officer, and committed a crime. Now, duty duds, that had previously cost \$200, were going for \$2000. How can a salesman keep them in his inventory? It's too expensive. If he is required to get a police letter to have a "Post-Ban" uniform as a sample, I'll bet it would be considered "restraint of trade," and an "undue hardship." It's the same thing with the machine guns that are needed by the Class 3 dealer. Instead of focusing on people who might abuse the law, they make it almost impossible for a new dealer to start in the business. You cannot develop the necessary inventory, to show

up at a law enforcement agency, without first having to go through the embarrassing procedure of requesting a "demo letter." If they don't know you, or how the Class 3 business works, it can be a very intimidating process. This works to the benefit of the well established Class 3 but closes off the business to the new guys. I personally feel that the ATF should do away with the "police letter" requirement for "dealer sample" machine guns. It places an undue hardship on the business. As an aside, it's a very questionable procedure to begin with—Congress has not passed any law requiring it.

I received the following letter from Steve Halbrook in mid-January:

*Dear Mr. Shea,*

*Your readers will be interested in knowing that the U.S. Court of Appeals for the Sixth Circuit has held that a police chief cannot be sued for signing the law enforcement certification on an NFA transfer form, where the transferee committed a crime with the firearm. Searcy v. City of Dayton, 38 F.2d 282, 289 (6th Cir. 1994).*

*Ironically, this is the first documented instance where a registered machine gun was used in a crime since enactment of the National Firearms Act in 1934, and the registered owner was a police officer. The police officer pled guilty to murdering a drug trafficker, whose survivors then sued the police chief for alleged negligence in signing the law enforcement certification.*

*The Court of Appeals held that the lawsuit should have been dismissed without a trial:*

*"Although defendant (police chief) Newby signed Officer Waller's application to possess the Mac-11 machine gun used to kill Hileman, the record is devoid of any causation with regard to Newby's signing the application and the killing of Hileman. Therefore, summary judgment should have been granted to defendant Newby on plaintiff's negligence claim." Id. at 289.*

*This decision clarifies that a police official who signs the certification in good faith is not liable to be sued for damages in the unlikely event that the firearm is later misused in a crime. The decision should*

*be brought to the attention of law enforcement officials who are reluctant to sign transfer applications for fear of being sued.*

*Sincerely,*

*Stephen P. Halbrook*

Stephen P. Halbrook, an attorney in Fairfax, Virginia, devotes his practice to litigation involving the National Firearms Act and other firearms statutes, and is author of the forthcoming book *Firearms Law Deskbook: Federal and State Criminal Practice* (New York: Clark Boardman Callaghan 1995). He has also written another book on the Second Amendment, titled: "That Every Man Be Armed" that I personally use as a reference. Mr. Halbrook is well known to the people who are involved in Second Amendment related cases.

Stephen P. Halbrook  
10560 Main St. Ste 404  
Fairfax, VA 22030-7182  
(703) 352-7276

On a similar note, there is a lawyer looking for any information on the ATF/Industry meeting at Knob Creek Range in the Fall of 1986. He needs a tape or transcript of the meeting, in regard to the instructions that Terry Cates and Wayne Moran gave to the Class 2 manufacturers there. His name is Bob Sanders, his number is 202-723-2998. If you have this info and are hesitant to send it to Bob, send it to me C/O MGN. I'd be real interested in hearing what actually went on—I can barely remember the meeting. For some reason it didn't seem too critical to me at the time—while there were other Class 2's who were trying to get the "real skinny" on how they were supposed to comply with the May 1986 law.

**Q** Why aren't the old big-bore African hunting rifles (e.g. 577 Nitro Express, .600, .750) classified as DDs?

I also wanted to comment on the many fine articles in your magazine recently, particularly the January issue.

Jeff Koch

**A** Thanks for the compliments—there are a lot of people who put energy into MGN...

Regarding those "big bores," they have



been exempted from the DD regulations because they have "sporting purposes." In the eyes of previous Directors of ATF, that is. Status such as "sporting purpose" change fairly quickly when political agendas get involved. Ask any Striker or Streetsweeper owner whose expensive investment turned into a millstone requiring \$200 transfer taxes at the whim of Handgun Control Inc's lobbyists. Nobody has started using a .577 NE in an action movie yet, so the anti-Second Amendment rights crowd hasn't gotten their negative fantasies going. Yet. Wait till Mel or Clint or Arnie walks up to a bad guy and says, "Well, seeing as this is the five-seven-seven Nitro Express, the world's most powerful rifle, and will blow your head clean off, you have to ask yourself one question: do you feel lucky? Well, do you, Punk?" The liberals won't be talking about "assault rifles" any more. Then it will be "big bores."

Actually, not too many years ago, the FBI went around to many of the people who had bought Barrett .50 caliber rifles, and examined the rifles and the general circumstances of the owner. Someone downtown had figured out that a terrorist could take down a chopper with one, and just wanted to see if there was a problem developing. There wasn't. I had to laugh about it. A serious student with a good .308 could do just as well—it's one of those dirty little soldier's secrets that chopper pilots and crewmen wish that they didn't know.

QI currently own a semiautomatic Auto-Ordnance Thompson 1927A1. I also possess a 10-inch barrel that I would like to legally install on this gun. Is there any such thing as a short barrel rifle permit? And if so, could you inform me of the most expeditious fashion of obtaining one? I do not have an FFL.

Brett B.

AIn last month's "Forms" column, we went over the Form 1, Application to Make a Firearm, Tax Paid. You need to file that Form 1, with fingerprints, photographs, and the law enforcement certification, as well as a check for \$200 made out to the "Department of the Treasury." You will be applying to manufacture a short barreled rifle." Incidentally, don't take possession of that 10" barrel AND the rifle until you have the approved Form 1 back from ATF. You could possibly be charged with possession of an unregis-

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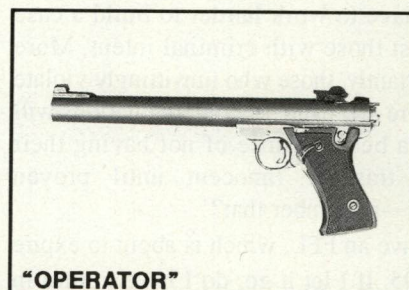


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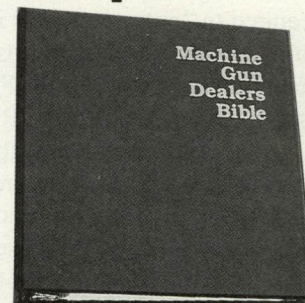
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## 2nd Printing... from the publishers of *Machine Gun News!* **The Machine Gun Dealer's Bible Update**

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tered short barreled rifle, because you have the parts to assemble one and haven't paid the making tax. I am not sure how much the recent ruling in the Staples case would help. In Staples, Supreme Court Justice Clarence Thomas wrote that ATF must prove that a person in violation of these NFA "parts" regulations was AWARE THAT HE WAS IN VIOLATION. The ramifications of this ruling have not been fully played out yet. Off hand, I would say that America just got a little safer. One negative is that it will make prosecution of violators a little more difficult—ATF will have to work harder to build a case against those with criminal intent. More importantly, those who unwittingly violate obscure and even "secret" regulations will have a better chance of not having their lives trashed. Innocent until proven guilty—remember that?

**Q**I have an FFL, which is about to expire in 8-95. If I let it go, do I have to turn in my record book, or 4473's? If I decide to keep my license, what is the cost, and how much paper work will I have to go through.

I purchased a Colt AR15 Sporter a couple years ago; I have added a 37mm Cobra launcher and a CAR stock. Do I have to fill out any special forms for this?

Really enjoy the magazine!

R. H.

**A**If you want to give up your FFL, you are required to "put your books in order" and turn them in. Since there was no government form to be used by the FFL holders as the "Bound Book," the Record of Acquisitions and Dispositions, the Out of Business records that ATF has are a mess. Warehouses full of composition notebooks, spiral books, you name it. These records have been collecting since 1968. Along with those, all of the original 4473's that go with them. I strongly recommend that you make photocopies of all the records that you send in to them, and keep them in a safe place. Someday you may be called on to answer questions about your business dealings—an example—a crime is committed using a firearm. The firearm is found, and ATF goes to the manufacturer to see where it went. They find out the distributor who received it, and contact them. The distributor's records show that YOU received the gun. YOU get a midnight phone call, "Who bought this gun?" You say, "I went out of business, and you have my records." 10 to 1 that they can't even find your records. You are going to get

questioned much more thoroughly. Imagine if you can show that someone else bought the firearm.

ATF will send you a renewal form. It is much more involved than the old one, and they are going to require information such as: landlord name and copy of lease, drawing of your business area including where your records and firearms are kept, details of your security system, and a whole host of other questions that will appear VERY invasive of your privacy. The jury is still out on whether the info requested can be required of you, but as of today, the form stands and must be answered by applicants who wish to continue in the business. The fee for your renewal is \$50 per year for a three year period, \$150 goes in with the application. ATF will do a check and make sure that you are in compliance with all state laws and local ordinances: zoning, state resale numbers, etc. If you are not—you won't be able to renew your license.

Just sign out your AR-15 to yourself. The 37mm gas launcher is not considered a firearm under Federal Law and is unrestricted. Make sure you are in compliance with your state and local laws on that one.

**Q**As a nondealer, and a relative newcomer to machine gun collecting, I find your columns extremely helpful. I'd appreciate your advice on how to manage in Fairfax County, Virginia, where the sheriff has refused to sign Form 4's for about a year now. In light of this, I'd appreciate your advice on the following questions.

1) I currently have a grand total of two machine guns. Their transfers were signed off by the very same sheriff who is now uncooperative. If I die, will it be possible to transfer these guns to my heirs, and if so, what is the procedure?

2) If I ever want to take possession of another Class III weapon, would it make sense to apply for an FFL, or is this an option only if I actually want to go into business as a firearms dealer?

Thanks for your time. I read your column from top to bottom every month. *MGN* readers are fortunate to have a writer as experienced as you to help with these obscure procedures.

Robert M

**A**I'm glad that *MGN* has a writer as obscure as me, too.

Transfers to your lawful heirs are done on a Form 5. The photograph, fingerprints, and law enforcement certification are all

required, so dying is NOT a way out.

In regard to your sheriff, have you exhausted the other possibilities in your area? The ATF has a number of people in any given area that qualify as a "Chief Law Enforcement Officer," to include the Chief of Police, Sheriff, head of State Police, State Attorney General, certain judges and DA's. I would try another route before the lawsuit that may have to be used to force him to "do his duty." These lawsuits are not always successful. But in your case, he would have to be an idiot not to realize that nothing changed between the time of his other signatures and now. Perhaps showing him the letter at the beginning of "The Forms" might allay his fears of lawsuits and responsibility for signing.

**Bob**—Don't get an FFL just for your collection. If you get one, do some business for a profit. Otherwise, you are breaking the law. It is illegal to get an FFL for the sole purpose of the enhancement of a collection.

**Q**Before the 1986 ban on the manufacture of new machine guns, the BATF allowed people to register sears and bolts as machine guns. Everyone knows about HK auto sears, but what about AK-47 auto sears installed in semiauto AKs? I have heard about their existence but do not know what they look like and if they actually work. I think the auto sear conversion replaces one of the rivets in the gun. Can you publish a picture of one in a future issue? Do they work in a safe way? Do they allow selective fire? Are they suitable for both machined steel and stamped sheet metal AKs? Can you do a feature article on their installation similar to the one on HK auto sears?

J R

**A**Forget it. The only Pre-86 AK machine gun sears that I have ever seen were real AK sears that got registered before the ban, and they required drilling the sear pin hole on the AK receiver. That hole being drilled is the act of making a machine gun out of a semiauto AK. In '87-'88, there was a big stink about this, and ATF held the transfers on these "sear" guns up, until they had determined which ones were done before 1986. They allowed these guns to stay in public hands as transferable, then grandfathered the rest...the sears themselves had to be married to AK's, and the ones that weren't were disallowed and categorized as "not transferable." I once came up with a little channel that held a registered HK



sear and worked in an AK....unfortunately NFA Technology Branch took the position that any part that is made solely for the purpose of converting a semiauto to full auto is a machine gun, so my little channel would have to be registered as a machine gun, and it was after 1986 so they would be Post-86 dealer samples, so what is the point. I had to agree with them after reviewing the situation. I didn't want to, but, that's the way the law is.

QI am most anxious to find out the legal status of unserviceable machine guns in New York state.

The guns in question were deactivated in the NFA "prescribed manner" and properly transferred and registered to the present owner on forms.

However, the transfers occurred in the early 1960's, at which time NFA Form 5 did not require local law enforcement agency certification. I do know that at that time, New York law enforcement agencies accepted Form 5 as evidence that such weapon was not considered as a firearm under NY law.

Since that time, two changes have occurred:

1. Form 5 requires local law enforcement certification.

2. Definition of a machine gun under New York law has changed.

Therefore, my question is: Is an unserviceable machine gun transferred and registered under NFA on the old Form 5 legal to possess in New York state?

I have attached a copy of the current NY law definition of a machine gun.

I thank you for any advice or comments that you can give me.

Sincerely,  
Henry Schlesinger  
Police & Crime Detection  
Equipment

*New York State Law*

*NY Consolidated Laws (McKinney's)*

*Book 39. Penal Law*

*Article 265. Firearms and Other Dangerous Weapons*

*265.00 Definitions. As used in this article and in article four hundred, the following terms shall mean and include.*

*1. "Machine gun" means a weapon of any description, irrespective of size, by whatever name known, loaded or unloaded, from which a number of shots or*

*bullets may be rapidly or automatically discharged from a magazine with one continuous pull of the trigger and includes a submachine gun.*

AI hate to "cop out" on this (sorry), but the New York laws are pretty involved. We need to throw this one out to the loyal readers in the legal profession who are RKIs in New York. It is my understanding that those firearms that were legally registered during the 1968 Amnesty period in New York State are legal to own there, in the eyes of the Federal Government. Or, at the very least, ATF cannot inform the states of whereabouts of these machine guns—that is classified tax information, as well as amnestied. If you are found in possession by the state authorities, that is a very different matter, and one that we need to get clarified.

Can we get some input from the New York Class 3 community, please? Fax me if you want—(501) 525-7519

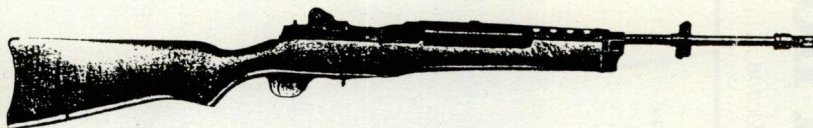
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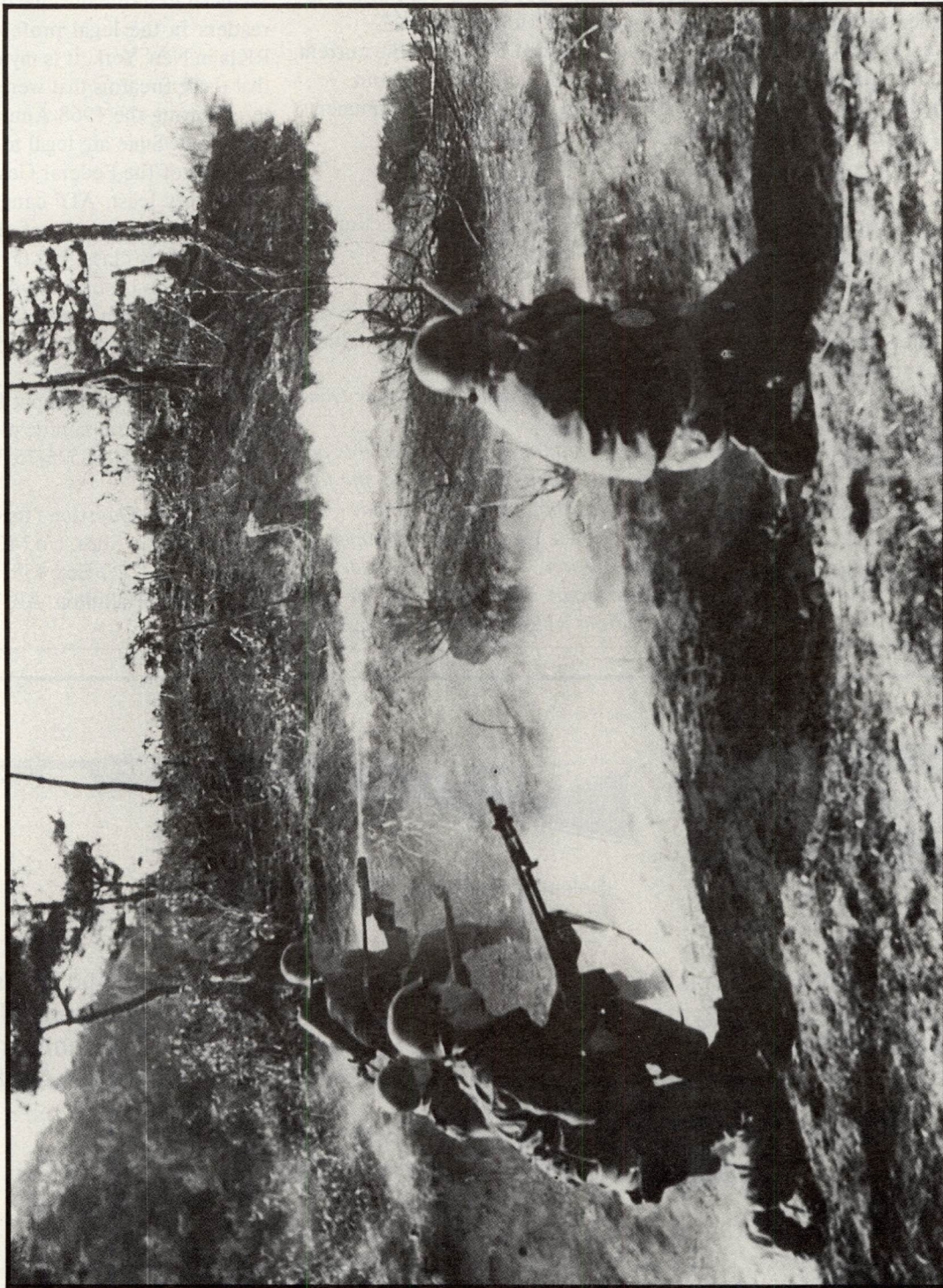
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# Archive Photo of the Month

*From the Robert Bruce Collection*



**KOREA, 20 February 1953.** Soldiers of Co A, 223rd Regiment, 40th Division assault Communist military positions with a variety of weapons. Note the Browning Auto Rifle carried by the soldier in the left foreground and the M1 rifle in the right foreground. Meanwhile in the background, a flame gunner roasts the enemy with a long blast of high pressure fuel. Credit: U.S. Army Military History Institute/Signal Corps. Copyright © 1995 ROBERT BRUCE PHOTOGRAPHY Editor's Note: Robert regrets that he cannot handle individual requests for photographs. However, publishers and documentary filmmakers, etc., are encouraged to contact him for information on use of archive images. Send a self-addressed stamped envelope and details on intended use to ROBERT BRUCE PHOTO, P.O. Box 482 MGN, SANDSTON, VA 23150.



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**Arizona residents, Catco, 1919A4, 30-06, extra barrel, 8mm conversion, tripod pindle and T&E, M-2 pedestal mount w/cradle assembly, 5,000 rounds 8mm ammo, Sarco survival kit. Other extras. All NFA rules apply. \$4300.00. (602) 849-3397 eve. & weekends (602) 618-0997 day. (xmar95)**

**New Colt 1-7, 5.56 NATO bbls; M16 GI bolts; M60 bbls. assy's nice; M60 parts, new, call, M2 parts & bbls., E3 parts kits call; Minimi 249 parts, new bbls; new 45 slide; 92F mags new; used 30 rd. GI mag; plus other parts. Contact: McKinney, CA (714) 821-1826. (xbFeb95)**

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**Norwegian collector wants: 100rd drum magazine for Thompson SMG, "double" 20+20rd magazine for UD-42 SMG, wooden shoulder stock holder, leather harness and 20rd magazine for Mauser 712 Schnellfeuer. Bolt, barrel and receiver cap (or a complete parts kit) for MP18.1. Parts for Lewis gun. I travel the U.S. occasionally and can pick up things myself. Folke Myrvang, PO Box 115, 1344 Haslum, NORWAY (x)**

**German MG-42 select grade, new, mint, unfired, 100% original blue finish with bipod and belts; transferable on collectors license. Curtis Earl. (602) 264-3166. (xjun)**

**Wanted HK51S upper receiver w/custom handguard and barrel brake. R.S. Tacuban, PO Box 1900, Kah. HI 96732.**

**20mm Lahti, coffin, and all accessories, 100 rounds \$4600. M-16 Shorty Bushmaster/PAWS reg. rec. \$1800. Ciener Sten MKII, mags \$600. S&W 76 mint, 2 mags, \$1500 AR-15 lowers. (203) 375-7804 after 5 est.**

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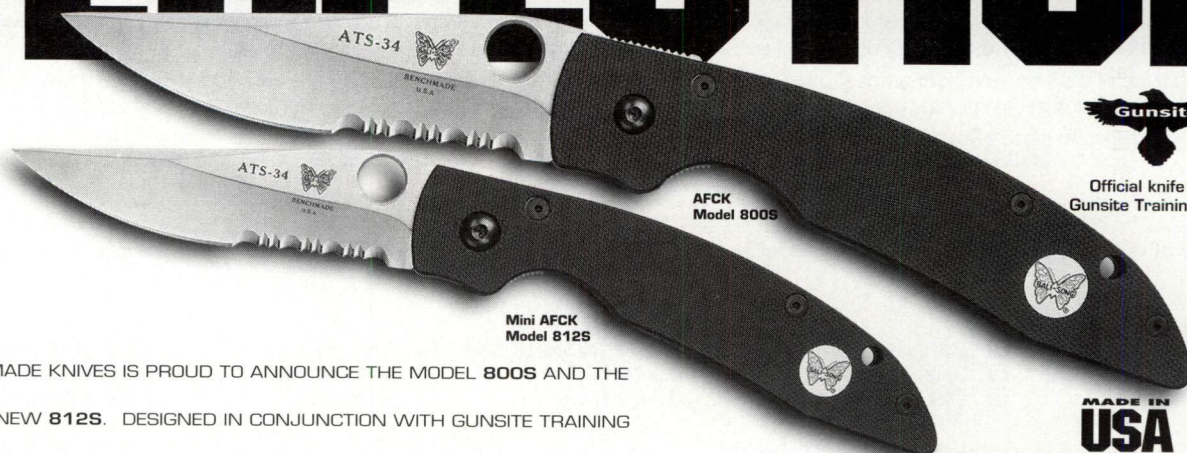
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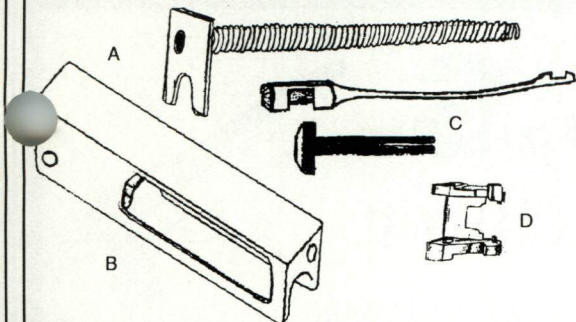
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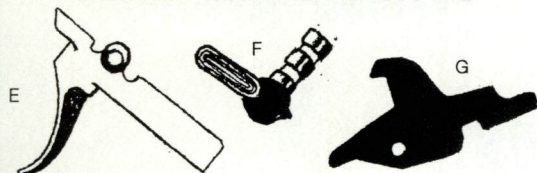


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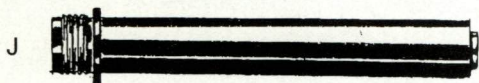


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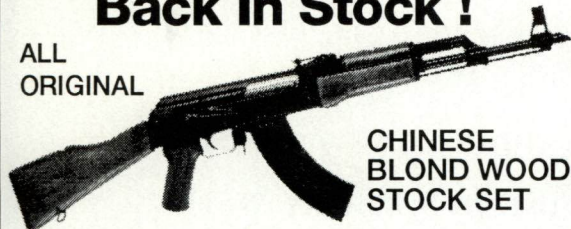
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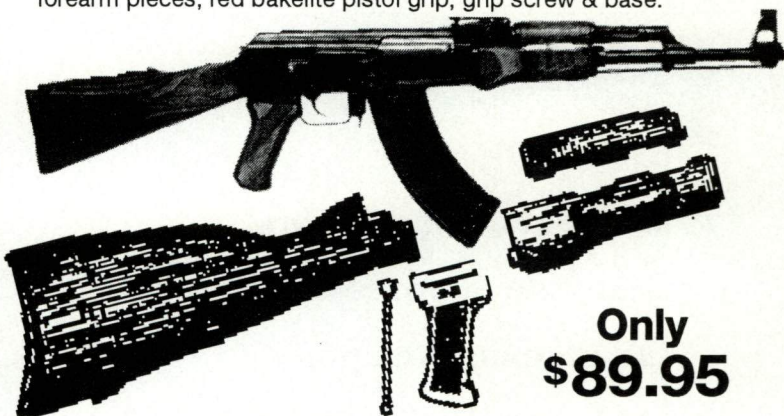
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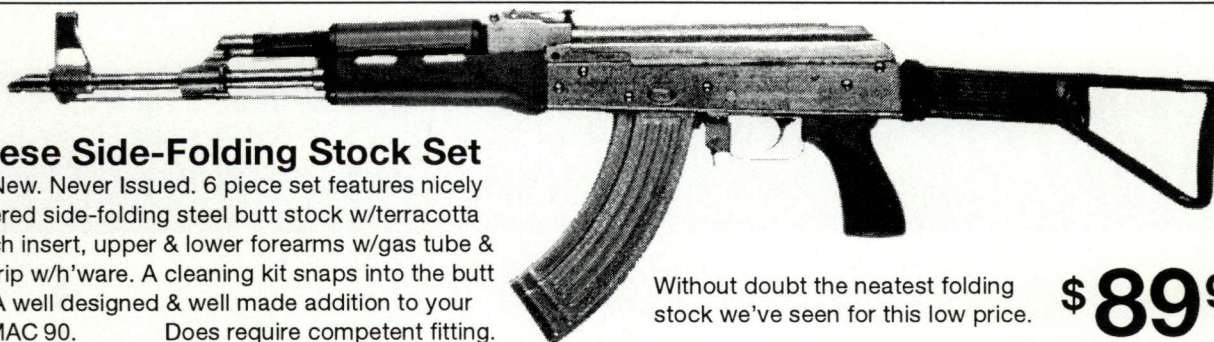
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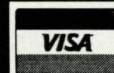


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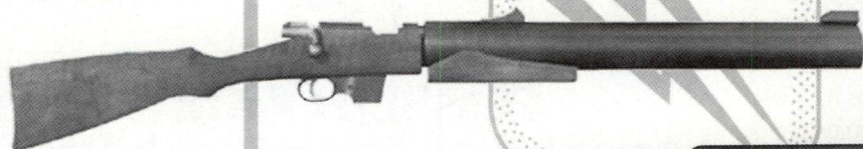
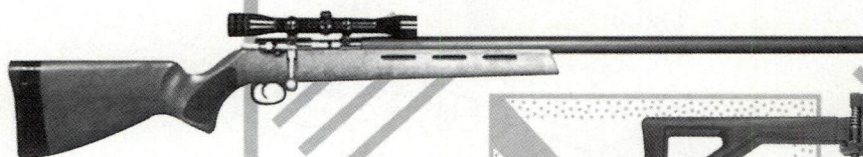


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