

\$5 U.S. \$6 Can.

THE GUIDE TO MODERN SMALL ARMS

Vol. 10 No. 8

# MACHINE GUN NEWS

APRIL 1997

**Knob Creek Fall-96**

**The Good Company  
of Gunmen,  
Then and Now...**

**K & P's .50  
Sniper rifle-  
Smooth, Reliable,  
Accurate!**

**Automatic Weapons  
in War Posters**

**The SA80  
Assault Rifle**

**The  
Medea  
M3A1  
Grease Gun:  
Affordable Excellence**





# MG42 TRIPODS

These post-WWII tripods were manufactured in Yugoslavia on the German machinery. They are identical to the Nazi mount, except for the grey-green paint that was used by the Yugoslav military. Most of these were made in Bosnia. The condition is excellent-outstanding quality! The workmanship is top of the line. The only difference we have found is the name plate that shows what factory made the tripod. If you want one of these for shooting your MG42, you can't go wrong.

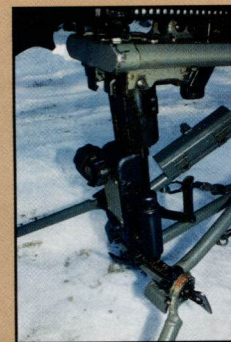
We have a very limited quantity available (less than 50), and we bought the only ones we could find. The optics for the Nazi tripod will fit this tripod. Our tripods do not have the optics with them.



As you are probably aware, these are very rare. When the MG42 (or Yugo 53) is mounted on this tripod, it is fired from the handgrip mounted below the tripod platform. Traverse and elevation mechanisms make for comfortable accurate shooting. The brass deflector keeps the shooting area clean.

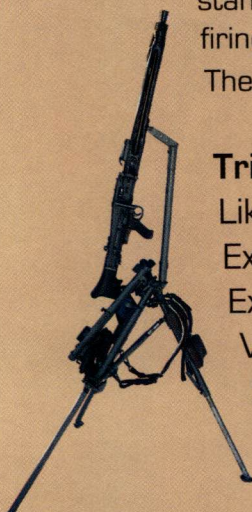
Anti-aircraft extension is also available separately. These allow changing the mount configuration to a stand-up shooter, for your display, or properly deployed this is stable enough for upright firing at civilian matches.

These are the Cadillac of tripods! We have fully inspected and carefully graded these.



## Tripods come with anti-aircraft extensions.

|   |        |
|---|--------|
| Like new, the best condition imaginable.....                        | \$2500 |
| Excellent+, very nice, missing a few paint chips on the top .....   | \$2300 |
| Excellent, very nice, with a little more missing paint .....        | P.O.R. |
| Very good. These are mechanically perfect, missing more paint ..... | P.O.R. |
| Repainted by the factory-reconditioned-nice! .....                  | \$1800 |
| Anti-aircraft extensions are each. ....                             | \$ 350 |



## MG34 OWNERS!

**We have adapters being made so you can use your MG34 on these tripods!  
Call for details.**

**CATSET LLC**



P.O. Box 45, Harmony, ME 04942  
(207) 683-2264 ■ Fax (207) 683-2172 ■ Class 10 ■ LMO4MGS@AOL.com



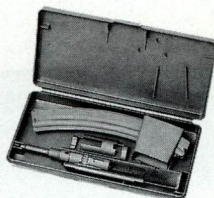


# Jonathan Arthur Ciener, Inc.

Ammunition prices continue to rise. The government continues to try to restrict supply.

## .22LR CONVERSION

Save your valuable ammunition AND still enjoy your shooting sport AND do more for less money.



The "ATCHISSON" MKIII .22 LR Conversion Unit for

### AR-15

\$139.00 w/10-rd. mag.

\$179.00 w/30-rd. mag.

Spare 10-rd. mag. \$23.00

### M16

\$159.00 w/10-rd. mag.

\$199.00 w/30-rd. mag.

Spare 30-rd. mag. \$59.00

The "HOHREIN" .22 LR Conversion Kit for

### Mini-14/AC556

\$129.00 w/10-rd. mag.

\$169.00 w/30-rd. mag.

Spare 10-rd. mag. \$23.00

Spare 30-rd. mag. \$59.00

Standard unit fits serial number prefix 181 thru 187.

Prefix number 188 unit, add \$10.00. AC556 uses standard 30-rd. mag. kit.



The "CIENER"

### 1911A1 .22LR CONVERSION UNIT Patented

Models for full size, Combat Commander, and Officer's .45 ACP pistols (specify)



From .45 ACP to .22LR  
in 10 seconds  
for just  
**\$199.00**

Spare 10-rd. mag. \$35.00



Unit in Fitted Case

The "CIENER"

### BERETTA 92/96 and TAURUS PT92/99

.22LR CONVERSION UNITS Patented



Unit in Fitted Case



From 9 mm to .22LR  
in 10 seconds  
for just  
**\$219.00**

Spare 10-rd. mag. \$35.00

Unit on Beretta 92FS

**NEW! NEW! NEW!**

### "Ciener" .22LR CONVERSION UNIT

for the

### Para-Ordnance P14 • 45

**\$219.00**

Spare 10 RD. Mag. **\$49.00**

Rifle units consist of all the parts necessary to change your firearm to function with inexpensive .22LR in moments.

The pistol units consist of a new slide, .22LR barrel, return spring and guide rod, recoil buffer and magazine in a fitted plastic case.

The pistol units and magazines are offered in Gloss Black, Matte Black, and Silver finish at no additional charge.

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## Jonathan Arthur Ciener, Inc.

Manufacturer of the Finest in Suppressed Firearms  
"The Standard For Comparison"

within and beyond our control, we have fallen far behind in filling our suppressor orders and expeditious service of problems. It is for these reasons that we have decided to remove our listing of suppressor models available from all our advertising.

We are still, as time allows, building the units we have become known world wide for, though our financial advisers say we would better use our limited resources on the .22LR Conversions. We have a loyal following that we feel very indebted to, who gave us their patronage and allowed our successes who don't want to have to buy anyone else's products. We will only accept orders for suppressors WE HAVE IN STOCK at time of order. Orders for out-of-stock items will be returned with our gratitude. Please call and check stock BEFORE sending an order.

We would like to extend our apologies to those who feel wronged. We did not intend to do them wrong. Situations, too many to list here, created these failures. But for every failure there were thousands of successes.

Sincerely, **JONATHAN**

NFA Licensees send a copy of FFL with EIN number and Class for our illustrated, informative catalog and confidential dealer price list.

All others send \$5.00 for catalog or \$14.00 for catalog and distinctive logo T-shirt or baseball cap (specify).

Prices subject to change. 25% order cancellation charge.

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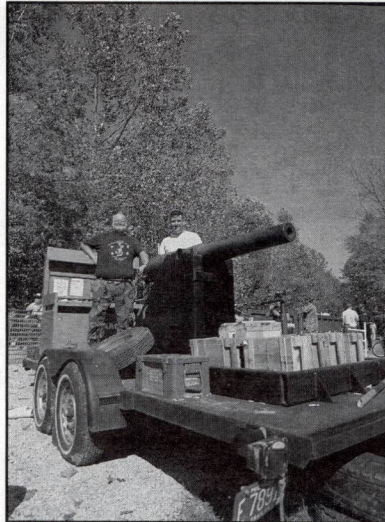
THE GUIDE TO MODERN SMALL ARMS

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One of several cannons at the Fall Knob Creek shoot. (page 36).

On the Cover: Knob Creek participant lets fly a 60 ft. flamethrower plume of compressed diesel fuel. Flamethrower provided by Charlie Hobbs. Photo by Jim Bonis. SA80 .223 caliber British Army issue machine gun with military 4-power day/night scope courtesy of the Newell Graham collection. SA80 photo and digital composition by Jim Bonis.

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| #RC7 JAP 11                               | \$2500   |
| #RC8 JAP 92                               | \$5500   |
| #RC9 JAP 99                               | \$2000   |
| #RC13 Inland M2 carbine                   | \$2200   |
| #RC16 Mendoza M8                          | \$3500   |
| #RC17 Tippmann 1919A4                     | \$3500   |
| #RC18 Hotchkiss MK1* portative            | \$2500   |
| #RC19 MG52A (baby 50)                     | \$6500   |
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| #491 MG08 15                              | \$1950   |
| #515 Jap 100                              | \$2000   |
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| Tora all orig. acc.                       | \$14,500 |
| #1226 MPI8-1 w/snail drum                 | \$3200   |
| #1380 Colt ANM2, converted to .308        | \$5250   |
| #1387 ARG Maxim - (Maxim Nord.) on        |          |
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| #1407 M6 Ingram                           | \$1750   |
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| #1496 Mauser 712 with stock               | \$3500   |
| #1504 MP35 98%                            | \$3500   |
| #1552 JAP Lewis 97 rd. mag., orig. tripod | \$7500   |
| #1560 Bernet Mercie, Colt exc. cond.      | \$3750   |
| #1591 Italian TZ 45 RARE                  | \$2250   |
| #1592 High standard M2HB                  | \$8500   |
| #1593 Franchi 1962                        | \$1950   |
| #1618 JAP 99 hider, monopod, match #s     | \$1950   |
| #1619 Reising 50                          | \$950    |

### ANTIQUES

Byra gun-on carriage-Indian copy of  
Gardner gun built in 1880s for Nepal  
complete-nice \$15,000

### FIREARMS

|                                     |          |
|-------------------------------------|----------|
| Barrett M82A1 new in case           | \$5500   |
| Barrett M82A1 excellent cond.       | \$5000   |
| HK PGFI built on semi               | \$3000   |
| HK21 semi with HK21 tripod          | \$8500   |
| FAMAS semi                          | \$6500   |
| Hotchkiss in 45-70 revolving cannon | \$12,500 |

### BROWNING

1917, 1917A1, 1919A4 or A6. Bolt, lock frame,  
and bbl. extension. All three \$95. PPD.

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|  |          |
|--|----------|
| #AN1 Uzi                                 | \$1750   |
| #JA1 Beretta SC 70                       | \$5500   |
| #JA2 FN CAL                              | \$5250   |
| #JA3 Beretta 12S                         | \$3400   |
| #JA4 Stoner 63A (EK Devco) LMG conv rt   |          |
| hand feed bottom cocker 100-rd box       | \$10,500 |
| #JA5 Stoner 63A (EK Devco) Bren,         |          |
| Carbine, Rifle, LMG lt hand, folding and |          |
| standard remote firing sol. and bracket, |          |
| bipod tripod mt apart, etc               | \$16,000 |
| #JS2 FN-D                                | \$2500   |
| #JS3 FN G1                               | \$2500   |
| #1098 AK 33A2                            | \$2750   |
| #1480 USAS 12, 12 ga., post-May (auto)   | \$2250   |
| #1565 Royal 1918A2 BAR                   | \$2500   |
| #1650 Yugo 49-57                         | \$1650   |
| #1698 MP5A3 early gun                    | \$3400   |
| #1701 1928 A.O. Bridgeport, CT           | \$2750   |

### AOW - ANY OTHER WEAPON

|                                    |        |
|------------------------------------|--------|
| #MW2 Rogue "Thompson" style grips, |        |
| heat shield brake (Vito Cellini)   | \$50   |
| #RJ1 Ithaca Stakeout 20 Ga.        | \$575  |
| #1297 Marbles Gamesetter .410/.22  | \$1500 |
| #1609 Auto Burglar Model B         | \$1100 |
| #1679 Ithaca 37 20 ga new steel    | \$575  |

### POST-MAY

28A1, Sterling, RPD, RPK, MG34, MG42,  
Bren, Chat 26-29, M2 Belgium, DSHK  
Vickers, etc. CALL

### DESTRUCTIVE DEVICES

|                                       |          |
|---------------------------------------|----------|
| #KL2 USAS-12, 1-20 rd mag, \$200 tax  | \$1250   |
| #874 Indian Brandt 81 mm mortar, nice | \$2900   |
| #1235 50 mm Russian mortar            | \$750    |
| Colt 203 NIB                          | \$3000   |
| M79 original TRW 99%                  | \$3000   |
| U.S. 37 mm M3A1 at gun with acc and   |          |
| ammo                                  | CALL     |
| 25 mm Petaux (really nice)            | \$5500   |
| 25 mm Hotchkiss (nice)                | \$5000   |
| 1" Hotchkiss revolving cannon modern  |          |
| with ammo on carriage                 | \$15,000 |

### TRANSFERABLES

|   |          |
|---|----------|
| #CL1 Orig MFG TRW M14                         | \$5750   |
| #LK2 AK47 in .223                             | \$1850   |
| #LK3 National Ord. M2 carbine                 | \$1250   |
| #MW1 American 180 Chrome + 24K gold           |          |
| in oak case, long bbl, short bbl, suppressor, |          |
| laser matching suppressor, new                | \$4950   |
| #MW3 M2 Carb by Port Arms                     | \$1250   |
| #MW4 PAWS 2 x 5 (American Sterling)           |          |
| runs perfect                                  | \$1950   |
| #MW5 MAC-10 45                                | \$900    |
| #MW6 MAC-10 9 mm                              | \$900    |
| #RC2 BAR by Group Ind.                        | \$3800   |
| #RC3 AKS Clay Co, blk stock                   | \$3000   |
| #RC6 BM59                                     | \$2200   |
| #RC11 Lanchester w/bayonet                    | \$2200   |
| #RC12 MIA                                     | \$3000   |
| #RC15 1928 Colt .30 BMG WC                    | \$4500   |
| #RC21 MP40 by Erb                             | \$2250   |
| #RC22 MP41                                    | \$4500   |
| #RC27 Uzi 9 mm (Specialty) reg. rec.          | \$2200   |
| #RC30 Vickers                                 | \$3250   |
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| #100 DLO 1917 blued w/rare indirect           |          |
| sight bracket                                 | \$4500   |
| #118 DSHK, many acc                           | \$15,000 |
| #1026 Rare Inland Arms 1917A1 on mt.          | \$5500   |
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| #1276 SAR-48 stad (NIB)                       | \$3250   |
| #1507 AR-10 Trans. orig.                      | \$4000   |
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| #1514 Colt M231 port firing weapon,           |          |
| new   | \$9500   |
| #1521 MP5K "sear" gun                         | \$4000   |
| #1559 Mini 14 rifle HTA                       | \$1400   |
| #1594 MK 760 NIB                              | \$950    |
| #1617 HTA MP5SD one tax gun (new)             | \$6500   |
| #1627 1914 Hotchkiss on Cleveland Mt.         | \$3250   |
| #1644 North Korean Type 58                    | \$4500   |
| #1648 RIA 60                                  | \$6000   |
| #1661 HK 93K by Group rec. (nice)             | \$3250   |
| #1672 Sterling MK4                            | \$3000   |
| #1693 American 180 plastic                    | \$2200   |
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### GATLING GUN—CALL

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| Browning belts, new                 | \$20   |
| SGW full 9 mm conv with 2 mags      | \$550  |
| Original MP5 22 conv unit in box    | \$2000 |
| FND bbls .308                       | \$150  |
| FND bbls 8 mm                       | \$150  |
| ZB Mags Orig. 20-round or 8 mm Bren | \$35   |
| ZB Mags Orig. 40-round or 8 mm Bren | \$150  |

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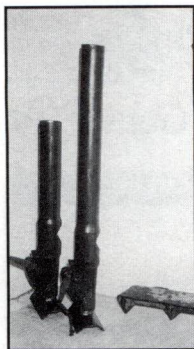


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However, they are still considered Title I firearms.  
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Original WWII Russian 82 mm Model 37  
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## 1919A6 CONVERSION

Buttstock, .308 barrel, barrel jacket, bipod, flashhider,  
carry handle new condition ..... \$350.00  
W/.30-06 barrel ..... \$250.00

## INDIVIDUAL STEN PARTS

|  |                                 |
|--|---------------------------------|
| Barrel w/shroud . . . . . \$40                 | Cocking handle. . . . . \$10    |
| Bolt comp. w/extractor . . . . . \$35          | Recoil spring . . . . . \$10    |
| Barrel bushing . . . . . \$25                  | Recoil spring cap . . . . . \$5 |
| Latch & spring for barrel shroud. . . . . \$10 | Trigger housing group. . . \$40 |
| Mag housing comp. . . . . \$25                 | Buttstock "T" type . . . . \$8  |
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|  | Ejector . . . . . \$15          |
|  | Magazine 30-rd. . . . . \$6     |

## FULLY TRANSFERABLE



### U.S. G.I. M2 HB .50 CAL.

Test fired & ready to go  
Includes single shot device,  
tripod, pintle T&E.

**\$5750.00**

### FN M2 HB .50 CAL.

Test fired & ready to go  
Includes tripod, pintle T&E.

**\$4750.00**

(M3 tripod or M63 AA mount optional.)

## RARE MK I BREN BUTTSTOCK HANDLE



**\$150.00**

## Offered exclusively by: OHIO ORDNANCE WORKS, INC.



Original German MG42/MG3  
Bundeswehr issue Ground Mount w/optics  
**\$2850.00**

## SPECIAL

### FN M2 .50 CAL.

Complete parts set. HB less right-side plate.  
**\$950.00**

Please note: barrel, barrel support, barrel extension, bolt,  
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## Magazines

|   |   |
|---|---|
| MP44 mags, 30-rd., excellent plus (ea.) . \$ 75 | PPS 43 mags 30-rd. (ea) . . . . . \$ 35   |
| 2 for . . . . . 125                             | PPSh-41 mags 30-rd. . . . . 35            |
| 5 for . . . . . 250                             | Lanchester-STEN 50-rd. mags . . . . 55    |
| M3 U.S. .45 cal.SMG 30-rd. . . . . 10           | MP40 mags 32-rd. orig WW II A (ea) . 55   |
| 12 for . . . . . 100                            | B (ea) . . . . . 30                       |
| ZK383 30-rd . . . . . 65                        | 10 for . . . . . 250                      |
| Madsen .30-06 30-rd. mag 5—each in              | Reising 30-rd. new-made, guaranteed. . 55 |
| original carrying can . . . . . 75              | Sterling 45-rd. exc. plus . . . . . 55    |
| L2A1 30-rd., unissued cond . . . . . 75         | 10 for . . . . . 500                      |
| MP41 32-rd., very good . . . . . 55             | Orig. WWII Thompson 50-rd drum, vg . 200  |
| MP38/40 flat side mag . . . . . 55              | MKB 42/MP43 . . . . . 150                 |
| Thompson 30-rd. mags . . . . . 10               | MP43 . . . . . 100                        |
| Bren 8 mm 20-rd. mag. . . . . 65                | MP45 . . . . . 200                        |

## Accessories

|   |  |
|---|--|
| FND Barrel .30-06 . . . . . \$100             | 1919A4 IMI .308 cal. links, new in           |
| FND Barrel 8mm . . . . . 200                  | wrap 2,000 for . . . . . \$ 75               |
| FND Barrel .308 cal. excellent . . . . 250    | 10,000 for . . . . . 350                     |
| 1908 Maxim sled mount top strap . . . 250     | 1919A4 .30-06 barrels, used. . . . . 25      |
| 1908 Maxim steam condensing hose . . 100      | 5 for . . . . . 100                          |
| MG3 MG42 .308 Conversion set barrel,          | 1919A4 .30-06 barrels, new . . . . . 50      |
| flashhider, top cover, feed tray, 100-rd.     | 3 for . . . . . 100                          |
| assault box, Rheinmetall Mfg. . . . . 850     | Vickers brass tab reloadable belts. . . . 50 |
| MG3 complete bolt, H T steel . . . . . 400    | Vickers Mk1 tripod, new condition . . . 250  |
| MG3/42 .308 barrel 4140 Steel H.T. . . 250    | P17 Bolts stripped . . . . . 15              |
| MG15 Gunner's Wallet-complete with 2          | Browning .308 broken shell ruptured          |
| spare firing pins, 2 spare extractors, 2      | case extracting tool . . . . . 15            |
| complete firing pin holders, ruptured         | British .303 broken shell extractor for      |
| case broken shell extractor and oiler . . 450 | machine gun or rifle . . . . . 10            |
| MG15 Bolt complete . . . . . 350              | MG34 feed trays . . . . . 65                 |
| MG15 Barrels . . . . . 350                    | MG34 bolt extract tool. . . . . 35           |
| MG15 75-rd drum loading tool. . . . . 350     | MG3 slings, current issue. Same as           |
| 1919A4-A6-M37 IMI Mfg. .308 cal. used         | MG34/42 . . . . . 50                         |
| excellent condition barrels (ea.) . . . . 75  | U.S. G.I. M2 60 mm mortar canvas             |
| Orig. FN MAG barrels compl. new               | carrying slings new in wrap . . . . . 20     |
| cond. . . . . 675                             | U.S. G.I. M2 .50 cal. barrel new-in-wrap     |
| Orig. FN MAG bolt compl. with firing pin      | (ea.) . . . . . 250                          |
| . . . . . 300                                 | 2 or more (plus shipping) . . . . . 200      |
| Bren accessory pouch/canvas . . . . . 10      | Beretta M9Z pistol, barrel assembly          |
|   | complete with locking block. . . . . 65      |



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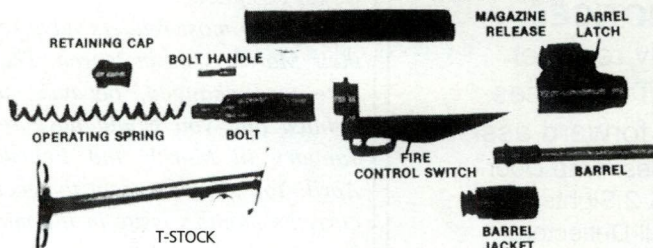
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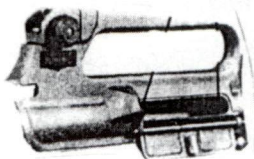
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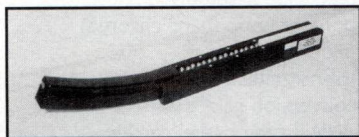
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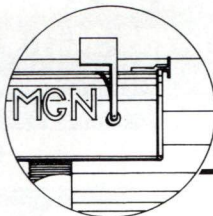
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# Incoming

### Thumbhole UZI?

I just received my December issue (in February) and look forward to receiving my January issue in March!

Am I wrong but is the picture on page 14 that of a metal thumbhole Uzi? It doesn't look like something that Bill Ruger designed. Ron

*By now most readers have received their March issue in March. The cover date was changed, because, as you pointed out, you would have received January in March and February in April. You should expect to receive the current month's issue in the middle of that month.*

*The gun pictured is a Ruger MP9 submachine gun. If you would like more information, there is an article in MGN's September 1993 issue.*

### Thoughts on the MGBG

I have found the Machine Gun Buyers Guide to be the most informative, concise, accurate and helpful source of information on MGs as yet encountered! I have recommended it to several people through your internet message board. I thought it might answer some of their questions. It actually reveals in 90 minutes reading time what has taken me three years to cull from those willing to teach. Erick

### Correction

A correction needs to be made on page 12 in Vol 10, No 6 of your fine magazine. Right column, 12 lines from bottom, BP should be HP - the headstamp initials used by Hirtenberger, AR

Keep up the good work!

Bill Woodin

### Cautionary Comments

Here are some cautionary comments on the use of toilet paper wads in reduced loads, as advised in your recent issue on the .300 whisper and 308 Winchester. I have fired reduced cast lead bullets for thirty five years. In the dim, dark past I have expended two, fifty-lb. drums of 4831 power in reduced loads using various wads.

Following NRA research on the sub-

ject, I fired thousands of moderate loads at 200 and 300 yards in .30 cal. rifles about five years ago after reading the recommended variation of a noted gun writer, I substituted sheets of toilet paper as a wad.

Result, after about 2500 rds were two ringed chambers. The ring was right at the base of the seated bullet. I didn't notice the damage until extraction became difficult. Of all the types of wads, plain cotton batting is the most trouble free and is readily available. Also, it cleans the bore every shot. Cal Harrison, researching the subject for the NRA, covered the subject thoroughly twenty years ago.

Only use cardboard or toilet paper if you hate your barrel. Paul

### Ruger & Stoner

Congrats on the article by Bob Hausman. I must take issue with the quote from the NY Times describing Bill Ruger as "America's greatest gun designer since John Browning." That description can only fit Eugene Stoner. Let's give Bill Ruger a close "second place." Ed

### Krinks Correction

*We apologize if we have inadvertently misled some of the readers. As per the Violent Crime Control and Law enforcement Act of 1994, short barreled rifles can be manufactured or remanufactured from sporter or thumbhole rifles only if they have no more than one of the offending features (folding stock, pistol grip, bayonet mount, grenade launcher, flash suppressor, or barrel threaded to accommodate same. Only pre Bush ban (1989) firearms can be modified with the accessories mentioned above. The firearms featured in this article were imported with the barrel threaded and the bayonet mount intact. This classifies them as semi automatic assault weapons as per section 921(a) of Title 18, United States Code.*

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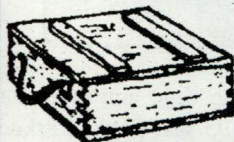
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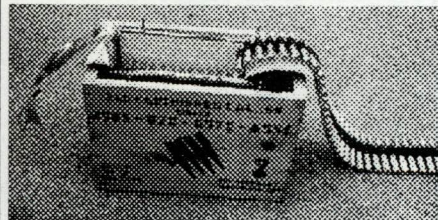
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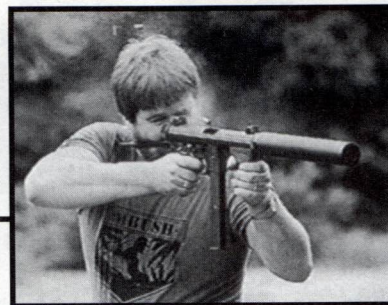
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# Raffica

by Dan Shea



*"When your child has matured sufficiently to understand how the judicial system works, set a bedtime for him and then send him to bed an hour early. When he tearfully accuses you of breaking the rules, explain that you made the rules and you can interpret them in any way that seems appropriate to you, according to changing conditions. This will prepare him for the Supreme Court's concept of the U.S. Constitution as a 'living document.'—Joseph Sobran*

I feel exactly this way about the current treatment that is being given to the Second Amendment. The idea that the phrase "The People" means "individual rights" in all of the other amendments, but not in the Second, is wishful, revisionist history. I don't buy the "Living Document" theory being used by activist jurors to create their social agenda. It is what it is: the Right of the People to Keep and Bear Arms. Not hunting shotguns, not target pistols, but the arms of war. The writers of this document were very specific about what they meant. I would ask that if you do not understand this precise definition, that you become educated about it, and then pass the knowledge on. Knowledge cannot only set you free, but keep you free as well.

Jim Hansmann informed me today that the Spanish term "Rafaga" means "burst" or "full auto," like "Raffica" does in Italian. I am not going to rush and change the name of the column, mainly because I do not have any intriguing Spanish submachine guns that say "Rafaga" on the selector like my Italian Beretta 12 said "Raffica." It is interesting to see technical machine gun terms in different languages, and perhaps some of you linguistically inclined folks would like to put together a primer on the more common ones we may run into while perusing non-English military manuals. A German machine gun terms primer might be especially useful considering all of the WWII and modern (HK) collectors and users.

## Questions:

Where can you find or who publishes tech manuals for GE miniguns? Please help me out. How come these manuals are so hard to find?

Ronald V.

There were never that many Miniguns manufactured. They are not like M16 rifles or M1 Garands. Armorers trained on the Minigun are few and far between. The manuals were never published in large quantities either. Small requirement, small production. These manuals command a premium on the market, because they are very collectible. This makes owning and operating a minigun that much more expensive. (On the other hand, if you can afford a sixty thousand dollar machine gun, another hundred bucks shouldn't scare you off from the purchase....) I have had four of the registered transferable Miniguns go through my shop, and we have always relied on other armorers to review the guns. These are very intricate guns, and experienced people are hard to find. Manuals have been kept with the guns, when available. I do not know of any sources for manuals, other than when they occasionally show up at gun shows. IDSA has a large collection of military machine gun manuals (937) 773-4203. If they don't have it, you might call Jonathan Arthur Ciener (407) 868-2200 or Neal Smith (216) 257-4872 and see if they have any manuals. Other than that, Raffica will happily provide the phone number of anyone who contacts MGN and is willing to sell some of these manuals.

I have been a long time gun collector and own two MP5 sgar guns. I asked a Class 2 manufacturer about changing my S-E-F lower to a two- or three-round burst lower. He advised me not to do it. I was wondering what the problems of this were. I wouldn't want to do something that would increase the chances of any problems down the line. Can you explain what these problems would be, if any—like damaging my sgar. I have heard that the burst lowers are very easy to get out of alignment if you take them out of the plastic grip. It seems that most of the burst lowers are in registered receivers. Where is the difference if there is any? Love your articles in the magazine!

Steve H

Although it may not seem like it at the time, getting the counting wheel and other parts into alignment is the least of your problems with converting a registered transferable HK sgar to use in a burst pack. We have shown the differences between the regular friction type sgar and a burst group sgar in past issues of MGN, so we don't need to repeat the photos. Suffice it to say that they are shaped very differently, and the two methods of making a friction style sgar work in the burst pack (1. extending the shelf on sgar itself, 2. moving the sgar position in the pack) requires a lot of expert machine work and gunsmithing skill.

This is the reason that the push-pin lower registered receiver HK machine guns are more desirable. You can switch the lowers very easily between different types of original HK trigger systems. With a standard "clip-on" lower, you are stuck with a converted semi-auto trigger pack.

From the internet. Hi. Do you know how to turn a mini-Uzi or pistol Uzi semiautomatic into a fully automatic? Yes.



I'm in the market for a Madsen. The Madsen was first manufactured in Denmark in 9 mm and later, under license, in Brazil in .45 ACP. In all my conversations with Class 3 dealers, I've found only one that was remotely familiar with the Madsen. Can you give me your opinion of the Madsen as well as what you think my chances of obtaining one are as well as where to continue my search?

Jerome

There are a LOT of different models of Madsen machine guns. The one you are referring to is the Madsen Model 50, a submachine gun manufactured in the 1950s. The two basic ones that are available on the collector market are the pre-86 dealer samples which are standard versions, and the "CIA guns." Most Madsen M50s carry the Danish crest on them and have a very strange front grip safety that must be held shut with the forward hand or it will not fire. This feature is missing from the "CIA guns," as are any markings other than the importer to the U.S. Legend has it that these were ordered by the CIA for covert ops in Central or South America,

and it was important that they not be traceable to any specific country. These are fully transferable machine guns, which were imported into the U.S. in the early 1960s.

Construction is a clamshell, hinged at the rear of the pistol grip and receiver. There is a space in the pistol grip for storing the magazine loading tool. My opinion? I am recognized as a connoisseur of truly awful machine guns, so I may not be the best person to ask. But, you did, so I will tell you; I do like the Madsen M50. Mostly from a historical and "trick" standpoint. They are painful to shoot—the front grip safety digs into your hand—more so when firing of course, and the buttstock is flimsy. The clamshell construction is a redeeming feature to those who like interesting machine guns, and a well trained shooter can be quite formidable with one of these.

One of the most common problems with this submachine gun is when the operator is putting it back together and doesn't quite have things lined up correctly. If the bolt is improperly positioned, the split barrel support will still

close just enough to put the barrel nut on. But as more pressure is applied, the screw action will apply pressure to the sheet metal around the barrel support. More twisting pressure to force the nut into position, and "voila," you have broken the sheet metal receiver free from the barrel support, or even ripped the metal itself. Always inspect the Madsen M50 in this area.

This author is constantly warning about the damage that can result from the improper application of a large hammer and a small mind. The Madsen M50 is a design ripe for just such a combination.

If you want "history," the Madsen M50 might be a nice choice. If you want accuracy and reliability, go for the MP5 or Uzi.

Fantastic article on Dan Shea's trip to Yugoslavia. Hope peace comes to that region, one of these days. The transit chest sets for the MGs were fantastic. What some collectors wouldn't give for such complete sets. Here's a question for Dan Shea: On page 26 the MG34s in the transit chest appear shiny. Is that just

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from the oil or was the finish really that smooth? I'm not sure I'd want a gun that good looking in a tactical situation. That shine really is pretty, though. Thanks for great article with some great photos.

T.H.

These MG34s have been in long term storage. Like most military weapons, the armorers in charge have used a liberal coating of preservative oil on all surfaces. Cosmoline is also the order of the day on these firearms. Combat soldiers do not generally take a machine gun that looks that reflective into the fighting- you are correct about it giving away your position. Almost all of the MG34s were blued, while later machine guns are either painted, parkerized, or a combination of the two.

I have received an invitation to go back to the Federal Republic of Yugoslavia. Some enterprising individuals have started up a live fire seminar for interested people to attend. It is supposed to be a one-week-long historical buffet, where the participants get to shoot everything from Makarovs to DSHKs, and RPG-7s, including HE and the main guns on tanks. It sounds like a wonderful opportunity to study the older East bloc weapons, with other military historians. You can count on a report being in MGN!

I have recently read a 1984 September issue of *Fire Power* magazine. In it was an advertisement for suppressor kits from the Sionac Corp., P.O. Box 5624 Dept. FP, Tucson, AR 85703. I have tried to contact them with no success, I was hoping if you knew if they were still in business and if so please mail me their address.

Carlos B

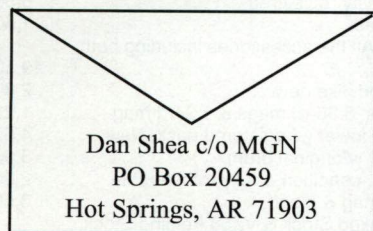
I hope you weren't waiting that long for your issue of *Fire Power*! That wonderful magazine has been out of business for a long time. There are still a lot of followers out there and many back issues traded at gunshows and shoots. As far as Sionac Corp goes, this advertisement goes back to the days when people could buy suppressor parts just about anywhere. The indiscriminate sale of these parts has led us to the laws we have today, which ban the trade in any of the suppressor parts. Knowledgeable people can walk into a hardware store and create viable



firearms suppressors in a matter of minutes, and this has led to some courtroom controversy: what exactly constitutes possession of a suppressor part? A rubber washer? flat washers and a piece of pipe? is it "intent"?

I suggest if you are interested in suppressing the signature of a firearm, that you talk with your local Class 3 dealer or one of the legitimate suppressor manufacturers who advertise in this magazine. They can clue you in to the local laws in your area, and the procedure for ownership. As far as "Mail order" suppressor parts—this business no longer exists, for good reason. People were breaking the laws. Like it or not, the laws are the laws.

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| MG1012. | Beretta PM12S. NIB Pre-86 DS. . . . .                             | 3,850   | MG077.  | British MK 1 Lanchester Pre-86 DS. . . . .                                     | 1,850  |
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| LMO342. | H&K USP 9 mm pistol. Very Good condition. In factory hard case w/2 mags. . . . . | 500     | DD007.  | USAS-12 Manufactured by Gilbert. Cleaning kit, manual, 2 drums. . . . .                                  | 2,200  |
| MG099.  | Ithaca Model 37 12-gauge shotgun with 13.5" bbl. . . . .                         | 575     | DD021.  | USAS-12 by Gilbert. 2 mags & 1 Drum. . . . .   | 1,850  |
| SBS010. | Ithaca 20-gauge with 13-inch barrel. . . . .                                     | 525     | DD082.  | USAS-12 by Gilbert. 2 mags & 1 Drum. . . . .   | 1,750  |
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**Dealer Discounts Available.**MACHINE GUN NEWS - APRIL 1997



# Industry News & Trends

by Bob Hausman



This LR 300 Military/Law full-auto was seen in the SHOT Show booth of Z-M Weapons of Bernardston, Maryland. Robert Hausman Photographer.

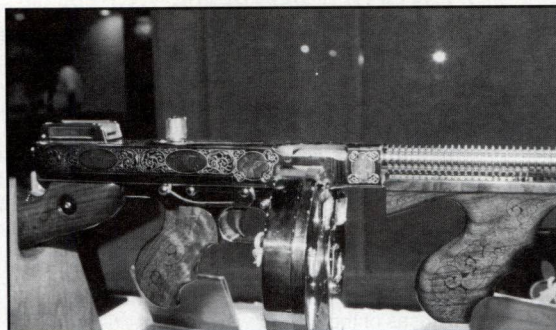
NATO light rifle from Z-M Weapons, 203 South Street, Bernardston, MA 01337. The LR 300 is composed of an AR-15/M16 upper and lower receiver with a new type of interconnecting op-rod gas system, which allows for a short barrel (11.5-inch) and folding stock. It is furnished with iron sights and built with a flat-top receiver which accepts all Weaver type mounts for electronic sights and scopes. The grip angle has been changed to that of the 1911 pistol for better control.

## MG's Above-The-Counter At SHOT Show

In bowing to the reality that sales to law enforcement is becoming an increasingly important slice of the pie for many firearms dealers, the SHOT Show's Board of Governors voted some time ago to allow a limited amount of police equipment to be displayed beginning with the 1997 show.

At previous SHOT Shows, exhibition management personnel kept a tight rein on the kinds of items permitted to be displayed in exhibitor's booths by making regular inspections during the show. This resulted in many exhibitors keeping some of their more interesting products "under-the-counter" and available for viewing only by special request. This year, however, in perusing the aisles at the Las Vegas Convention Center, due to the loosening of the rules, the author noticed quite a bit of tactical police type gear on display—including one machine gun!

The MG seen was a select-fire (at 950 rpm) LR 300 M/L 5.56



Auto-Ordnance Corp., West Hurley, New York, displayed this gold plated and lavishly engraved "Tommy Gun" in its SHOT Show booth. Robert Hausman Photographer.



Police equipment, such as these body armor vests from Safariland, were openly displayed at the SHOT Show for the first time. Robert Hausman Photographer.

## Thefts From Dealers Rising

As a possible consequence of the imposition of greater restrictions on firearms purchases, Federal Firearms Licensees are experiencing a dramatic increase in firearms theft. The Bureau of Alcohol, Tobacco & Firearms received nearly 2,000 reports of incidents involving almost 10,000 firearms during calendar year 1995. In the first two months of 1996, 382 FFL holders reported 415 incidents involving 1,631 firearms.

Sixty-three percent of the thefts reported to ATF involved entry through a door or window indicating a burglar alarm with central monitoring would be the best investment in theft prevention. Burglar bars on windows and barriers, such as concrete filled posts placed around your business, will also help prevent smash and grabs.

Firearms thefts from an FFL holder must be reported by the licensee to ATF at (800) 800-3855 within 48 hours after the theft or loss is discovered. This verbal



notification must be followed up by written notification on ATF F 3310.11, FFL Theft/Loss Report, within the same 48-hour period.

### Gas/Flare Gun DDs

The agency further has issued ATF Ruling 95-3 holding that 37/38 mm gas/flare guns possessed with "antipersonnel" ammunition, consisting of cartridges containing wood or rubber pellets, balls or bean bags, are destructive devices as defined by the Gun Control/National Firearms Acts and thus require registration to be lawfully possessed.

While devices designed for expelling tear gas or pyrotechnic signals have been held to be exempt from the destructive device definition, when a gas/flare gun is possessed with "antipersonnel" ammunition, it is then capable of use as a weapon. Thus, it becomes a firearm and is no longer exempt from the destructive device definition.

Any person desiring to possess a gas/flare gun in combination with "antipersonnel" ammunition must register the making of a destructive device

prior to the acquisition of both the gun and the "antipersonnel" ammunition. Any person engaged in the business of buying and selling the combination of the gas/flare gun and "antipersonnel" ammo must have the appropriate FFL and have paid the proper special occupational tax.

In other ATF news, Nereida W. Levine was recently named chief, National Firearms Act Branch. Prior to her selection for this position, Levine was with ATF's Office of Training and Professional Development where she managed various firearms and explosives-related training in addition to participating in an array of agency task forces and committees.

The NFA Branch is responsible for processing applications and notices associated with the manufacture, registration, transfer, interstate transportation, and exportation of NFA weapons. During recent months, the Branch has encountered a number of instances where individuals recorded their full name on the application or notice and another way (such as their first and middle initials only) on the supporting doc-

umentation.

To ensure the accuracy of the National Firearms Registration and Transfer Record, applicants are advised by ATF to record names in a consistent manner. Failure to do so may result in delayed processing of forms submitted for approval.

### Company News

In a major business coup, Colt's Manufacturing Co. has been awarded a contract for the purchase of approximately 5,200 M4 Carbines by the U.S. Border Patrol.

Defense Procurement Manufacturing Services, Inc. of Becker, Minnesota, manufacturer of military specification firearm parts and accessories, as well as full-auto rifles in its A15 Panther™ series, has purchased the Leatherwood Scope Co. Leatherwood manufactures scopes for such military rifles as the M1A, M14, AR15, M16, and FN-FAL. All of Leatherwood's inventory, testing and assembly equipment has been moved to the DPMS facility in Becker, MN, although the two firms will be operated separately.



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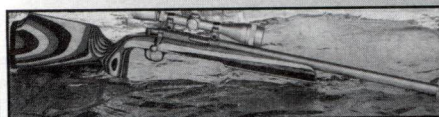
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Simunition Ltd. of Avon, Connecticut, producer of training products for use by law enforcement and military with their service weapons, has announced the availability of the 9 mm FX conversion kit for firing FX training cartridges with the HK MP5 submachine gun. The installation of the conversion kit helps to preclude the inadvertent chambering of most 9 x 19 mm live ammunition and to ensure the proper operation and cycling of the arm. The kit contains a delay piece, insertion and knock-out tools, tool handle, Loctite, subcaliber barrel and sleeve, a barrel clamp, and an Allen key.

Nonlethal FX Marking Cartridges denote hits with a detergent-based, water-soluble, inert-color mark enhancing the realism and impact of individual or tactical exercises. The cartridges produce near-normal recoil levels and deliver effective accuracy at a range up to 7.6 meters (25 feet).

Simunition now makes Short Stop 7.62 x 51 mm ball frangible training cartridges for use on ranges where bullets traveling beyond standard target distances pose a problem. Projectiles are molded from a frangible, lead-free polymer which reduces the danger of ricochet and splash-back associated with service ammunition. The 59 grain projectile travels at about 2,750 fps and has a maximum range of 550 meters (1,815 feet). In terminal effects tests, the bullet was found not to perforate 6.4 mm (1/4 inch) thick mild steel plate at 10 meters (33 feet) and breaks-up on 6.4 mm (1/4 inch) armored steel when fired perpendicularly to the plate at the same distance.

Requiring no gun modifications or the use of ancillary devices, Short Stop ammunition functions in the Saco M60 GPMG, Rheinmetall MG3 GPMG, FN MAG and the FN LAR.

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| 2 cs (2,000) \$260.        | 2 cs (2,000) \$210.     |
| 10 cs (10,000) \$1,250.    | 10 cs (10,000) \$1,000. |
| 25 cs (25,000) \$2,875.    | 25 cs (25,000) \$2,375. |
| 50 cs (50,000) \$5,500.    | 50 cs (50,000) \$4,500. |
| 100 cs (100,000) \$10,500. | 100 cs (100,000)        |

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| 10 cs (10,000) \$1,300.    | 10 cs (10,000) \$1,050.   |
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|                               |          |                                |         |                            |         |                               |         |
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| 7 1/4" Pistol Barrel          | \$125.00 | E2 Long Round Handguard        | \$20.00 | Scope Mount (See-Through)  | \$8.00  | Connector Lock                | \$2.00  |
| 10 1/2" Pistol Barrel         | \$125.00 | Firing Pin                     | \$5.00  | Scope Mount 1" Rings       | \$9.00  | Connector Lock Pin            | \$0.50  |
| 16" SSTL Bull Barrel          | \$175.00 | Firing Pin Retaining Pin       | \$0.50  | Sight Tool A1 or A2        | \$7.00  | Clip Guide                    | \$6.00  |
| 20" SSTL Bull Barrel          | \$175.00 | Flash Suppressor Bird Cage     | \$5.00  | Sling                      | \$2.00  | Clip Guide Pin                | \$0.50  |
| 24" SSTL Bull Barrel          | \$185.00 | Flash Suppressor Lock Washer   | \$0.50  | Sear Auto (M16)            | \$10.00 | Demilled Receiver             | \$75.00 |
| 20" Match-Grade Barrel 1 in 9 | \$125.00 | Front Sight Base Heavy         | \$25.00 | Sear Auto Pin              | \$0.50  | Extractor Spring & Plunger    | \$3.00  |
| 16" Match-Grade Barrel 1 in 9 | \$125.00 | Barrel                         | \$25.00 | Swivel                     | \$2.00  | Flash Suppressor              | \$35.00 |
| A2 Upper Receiver             | \$70.00  | Front Sight Post               | \$1.00  | Swivel Pin                 | \$0.50  | Flash Suppressor Nut          | \$1.00  |
| A2 Upper Receiver w/Sight     | \$95.00  | Front Sight Post Square        | \$3.00  | Takedown Pin Front         | \$2.00  | Flash Suppressor Nut Set      |         |
| A2 Rear Sight Comp.           | \$35.00  | Front Sight Post Detent        | \$0.50  | Takedown Pin Detent        | \$0.50  | Screw                         | \$1.00  |
| A2 Rear Sight NM Comp.        | \$45.00  | Front Sight Post Detent Spring | \$0.50  | Takedown Pin Detent Spring | \$0.50  | Flash Suppressor Nut Pliers   | \$5.00  |
| A2 Stock                      | \$35.00  | Front Sight Taper Pin          | \$0.50  | Takedown Pin Rear          | \$2.00  | Front Sight                   | \$7.00  |
| A2 Stock Comp.                | \$60.00  | Front Sight Roll Pin           | \$0.50  | Trigger AR-15              | \$8.00  | Front Sight NM                | \$9.00  |
| Buffer Tube                   | \$12.00  | Forward Assist Round           | \$10.00 | Trigger M16                | \$8.00  | Front Sight Screw             | \$1.00  |
| Barrel Nut Wrench             | \$8.00   | Forward Assist Teardrop        | \$15.00 | Trigger Pin                | \$0.50  | Gas Cylinder                  | \$20.00 |
| Barrel Nut Assembly           | \$8.00   | Gas Tube C.A.R.                | \$9.00  | Trigger Spring             | \$1.00  | Gas Cylinder Lock             | \$8.00  |
| Barrel Nut                    | \$5.00   | Gas Tube 7 1/4" Pistol         | \$9.00  | Triggerguard               | \$2.00  | Gas Piston                    | \$8.00  |
| Bolt Carrier AR-15            | \$49.00  | Gas Tube Standard              | \$9.00  | Trigger Alum               | \$6.00  | Hammer                        | \$10.00 |
| Bolt Carrier M16              | \$49.00  | Gas Tube Roll Pin              | \$0.50  | Triggerguard Pin           | \$0.50  | Hammer Spring                 | \$1.00  |
| Bolt Carrier Key              | \$7.00   | Grenade Launcher (Star)        | \$5.00  | C.A.R. Flash Hider 5 1/2"  | \$8.00  | Hammer Spring Housing         | \$7.00  |
| Bolt Carrier Screw            | \$0.50   | Hammer AR-15                   | \$10.00 | Muzzle Cap                 | \$0.50  | Hammer Spring Plunger         | \$1.00  |
| Bolt Complete                 | \$35.00  | Hammer M16                     | \$10.00 | Conversion Pin             | \$3.00  | Handguard Solid               | \$2.00  |
| Bolt Catch                    | \$4.00   | Hammer Pin                     | \$0.50  | Vice Jaws                  | \$12.00 | Handguard Clip                | \$2.00  |
| Bolt Catch Plunger            | \$0.50   | Hammer Spring                  | \$1.00  | Cheekpiece C.A.R.          | \$35.00 | Magazine Catch                | \$10.00 |
| Bolt Catch Roll Pin           | \$0.50   | Handguard Cap Round            | \$1.00  | Cheekpiece Delta           | \$65.00 | Magazine Catch Spring         | \$0.50  |
| Bolt Catch Spring             | \$0.50   | Handguard Cap Triangle         | \$1.00  | Complete Lower Parts Set   |         | Magazine Catch Pin            | \$0.50  |
| Buffer Detent                 | \$0.50   | Handguard C.A.R. Set           | \$10.00 | w/Grip no Sear Specify     |         | Op-Rod Spring                 | \$4.00  |
| Buffer Detent Spring          | \$0.50   | Handguard C.A.R. w/Heat        |         | AR-15 or M16               | \$50.00 | Op-Rod Spring Guide           | \$7.00  |
| Buffer Spring C.A.R.          | \$2.00   | Shields                        | \$15.00 | Early Green Old Style      |         | Op-Rod Spring Guide N/M       | \$15.00 |
| Buffer Spring Standard        | \$2.00   | Handguard 7 1/4" Pistol        | \$35.00 | Buttstock                  | \$20.00 | Rear Sight Aperture           | \$4.00  |
| Buttstock (A1 Trapdoor)       | \$12.00  | Handguard NM Free Floating     | \$35.00 | Early Green A1 Pistol Grip | \$10.00 | Rear Sight Base               | \$8.00  |
| Buttstock (A2 Trapdoor)       | \$35.00  | Handguard Delta Ring           | \$3.00  |                            |         | Rear Sight Cover              | \$2.00  |
| Buttstock C.A.R. Comp.        | \$40.00  | Handguard Slip Ring            | \$2.00  |                            |         | Rear Sight Elevation Knob     | \$12.00 |
| Buttstock Screw Upper A1      | \$0.50   | Handguard Spring Weld Assy.    | \$3.00  |                            |         | Rear Sight Windage Knob       | \$4.00  |
| Buttstock Screw Upper A2      | \$0.50   | Handguard Snap Ring            | \$1.00  |                            |         | Safety Spring                 | \$2.00  |
| Blank Firing Adapter          | \$5.00   | Magazine Catch                 | \$3.00  |                            |         | Sear Release                  | \$10.00 |
| Buffer, C.A.R.                | \$8.00   | Magazine Catch Button          | \$0.50  |                            |         | Selector                      | \$5.00  |
| Buffer, Standard              | \$10.00  | Magazine Catch Spring          | \$0.50  |                            |         | Selector Pin                  | \$0.50  |
| Bayonet, New                  | \$16.00  | Pistol Grip Screw              | \$0.50  |                            |         | Selector Shaft                | \$10.00 |
| Bipod                         | \$8.00   | Pistol Grip Screw Washer       | \$0.50  |                            |         | Sling                         | \$5.00  |
| Bipod Case                    | \$3.00   | Rapidex Windage Knob           | \$5.00  |                            |         | Spindle Valve                 | \$1.00  |
| Cleaning Rod                  | \$5.00   | Rear Sight Aperture            | \$6.00  |                            |         | Spindle Valve Spring          | \$0.50  |
| C.A.R. Stock Wrench           | \$5.00   | Rear Sight Adjusting Screw     | \$2.00  |                            |         | Spindle Valve Pin             | \$0.50  |
| Cam Pin                       | \$4.00   | Rear Sight Detent              | \$0.50  |                            |         | Stock, Birch, Exc. Cond.      | \$15.00 |
| Charging Handle               | \$12.00  | Rear Sight Detent Spring       | \$0.50  |                            |         | Stock, Birch, Very Good       |         |
| Disconnecter AR-15            | \$4.00   | Rear Sight Drum Roll Pin       | \$0.50  |                            |         | Cond.                         | \$12.00 |
| Disconnecter M16              | \$4.00   | Rear Sight Flat Spring         | \$0.50  |                            |         | Stock, Birch, Good Cond.      | \$10.00 |
| Disconnecter Spring           | \$0.50   | Rear Sight Windage Drum        | \$2.00  |                            |         | Stock, Liner                  | \$4.00  |
| Ejection Port Cover, Complete | \$8.00   | Rear Sight Comp.               | \$10.00 |                            |         | Stock, Walnut, Exc. Cond.     | \$20.00 |
| Ejector Assembly              | \$4.00   | Safety Selector AR-15          | \$8.00  |                            |         | Cond.                         | \$17.00 |
| Extractor Assembly            | \$10.00  | Safety Selector M16            | \$8.00  |                            |         | Stock, Walnut, Good Cond.     | \$15.00 |
| E2 Pistol Grip                | \$8.00   | Safety Detent                  | \$0.50  |                            |         | Stock, Fiberglass, Exc. Cond. | \$10.00 |
|                               |          | Safety Detent Spring           | \$0.50  |                            |         | Trigger & Sear Assembly       | \$5.00  |
|                               |          |                                |         |                            |         | 5-Rnd. Mag.                   | \$15.00 |

### M.2 CARBINE PARTS

|                        |         |
|------------------------|---------|
| Disconnecter Block     | \$10.00 |
| Disconnecter Lever     | \$14.00 |
| Selector Switch        | \$6.00  |
| Selector Switch Spring | \$1.00  |
| Spring & Plunger       | \$1.00  |
| Sear                   | \$6.00  |
| Mag. Catch             | \$6.00  |
| Trigger Housing        | \$35.00 |
| Slide                  | \$35.00 |
| Round Bolt             | \$45.00 |
| 30-Rnd. Mag.           | \$15.00 |

### M14, M1A PARTS

|                        |         |
|------------------------|---------|
| Bayonet, New           | \$45.00 |
| Bolt                   | \$35.00 |
| Buttplate Assembly     | \$25.00 |
| Buttplate Screw, Upper | \$1.00  |
| Buttplate Screw, Lower | \$1.00  |
| Butt Swivel            | \$2.00  |
| Connector Assy.        | \$10.00 |



# THE SA80

## ASSAULT RIFLE

### A COSTLY DISASTER



Two soldiers on antiambush drill. The soldier in the foreground carries an SA80; the man in the background carries an L86A1 light support weapon. Both weapons are fitted with SUSAT and blank firing attachment.

By Marsh Gelbart

#### SEEDS OF FAILURE

**P**lagued by design faults and hampered by a poor reputation, the SA80 is possibly the least popular service rifle in use by a Western army. The SA80's design concept dates back to the late 1940s when the British army was looking for a replacement for its venerable Lee-Enfield .303 bolt-action rifles. A project remarkably futuristic for its time, known as the EM2, became the leading contender. The EM2 was a 7 mm, semiautomatic Bullpup design with a fixed carrying handle which housed an integral optical sight. The EM2 fired from a closed bolt, was accurate and unusual for a Bullpup weapon, balanced well. If the EM2 had been adopted for service, it would have performed very satisfactorily. However it was rejected in favor of the SLR L1A1. The SLR L1A1, a British manufactured, semiauto, derivative of the FN FAL, was a sound, well respected weapon. The SLR was adopted as the British government decided to go along with NATO in standardizing on the 7.62 mm round.

By the 1970s the SLR was beginning to look a little dated. In 1971 The Royal Small Arms Factory at Enfield—source of Britain's military light arms—put forward its plans for a new assault rifle, initially known as the Individual Weapon. The appearance of the new weapon was reminiscent of the EM2, although it was not based on the older weapon's design. The Individual Weapon, which later received the project name SA80, was to have an optimum killing range of 400 meters. SA80 was intended not only to replace the SLR but the 9 mm Sterling submachine gun. A variant of the weapon, fitted with a heavy barrel, was also developed. Known as the L86A1, the heavy-barreled weapon was intended to replace both the GPMG L7 (a derivative of the FN MAG) and the ancient but revered Bren gun, as squad light support weapons.

The SA80's gestation into a serviceable weapon has been a slow and painful one, and in the eyes of many observers, one that has never been satisfactorily accomplished. Originally the weapon was intended to fire 4.85 caliber rounds. The prototype weapons were



submitted to NATO trial in 1977-1979. As a result of these trials, the 5.56 round was accepted as NATO standard and the Enfield prototype was rejigged to fire it.

Although some may argue the issue, most major armies have accepted as inevitable the replacement of the 7.62 mm bullet with the 5.56 mm. As NATO had agreed to standardize on the 5.56 mm round, then a move to a new assault rifle was a foregone conclusion. The motives for change were twofold. Firstly, the new generation of rifles were expected to be lighter and more handy. Secondly, infantry could carry more ammunition as individual rounds were reduced in weight and bulk. Cynics have argued that the extra rounds are needed as fully automatic rifles are much more wasteful of ammunition. In defense of the British army, it has always stressed marksmanship and ammunition economy. The Brits place great emphasis on the value of an individual soldier and his rifle.

The problem for British forces is that their new weapon chosen to replace the 7.6 mm battle rifle is not worth its salt. Despite the presumed advantages of 5.56 mm weapons, many serving soldiers in the British forces remember the old, trusty SLR with affection. This nostalgia is prompted by a litany of complaints about the SA80, a rifle which has proved particularly difficult to bring up to an acceptable standard of reliability and durability.

### TEETHING PROBLEMS

As the SA80 has had a lengthy gestation period of fourteen years, it is hard to justify the litany of faults as listed below. Although the SA80 looks superficially similar to the EM2 albeit with plastic furniture replacing wooden, it is a very different weapon. The SA80's internal mechanism is similar to that of the AR18. Some commentators have unkindly referred to the SA80 as "the EM2 with an ArmaLite rammed up its arse," a combination which has produced poor results. The rifle has a short-stroke, gas-operated mechanism with a rotary forward locking breech. This allows either single-shot or fully automatic fire. The gas system's regulator has three settings. The first two settings are for normal and adverse conditions, the third allows for the firing of rifle grenades, al-



Young soldier with the Cadet rifle L98A1. Photo shows to advantage the manual cocking handle just in front of the integral carrying handle/iron sights assembly.

Right: Soldier gives covering fire with the L86A1. Note blank firing attachment.

Below: Soldiers during NBC drill. The man on the left has an L86A1 and the one on the right an SA80. Both weapons have SUSAT fitted.





Soldier in NBC gear carrying the L86A1 support weapon. Note the wire butt strap, rear hand grip and the longer barrel which all help to distinguish it from the SA80.



SA80 in profile. Photo shows SUSAT and cocking lever to advantage.



SA80 shown slung out of the way over soldiers back.

though these are not standard issue. As stated, the manufacturers borrowed from the internal mechanism of the ArmaLite. However, in the case of the SA80, the bolt assembly does not get support from the receiver and in any case the receiver of the SA80 is almost flimsy in construction. This does not fill potential users with confidence.

The SA80 was introduced into service in October 1985: in British army terminology the rifle is known as the L85A1. Some have claimed that the rifle never successfully passed adverse weather trials during its prolonged development phase, but despite this, was rushed into service when it was far from the finished article. It has been suggested that commercial reasons were the motive for rushed entry into service. Whatever the cause, from its early period of service the rifle was plagued by faults. The shortcomings listed below are not a full list but give some flavor of the defects experienced in service use and the less-than-perfect solutions adopted to deal with them.

- The major fault of the SA80 is that it has a tendency to jam, particularly when exposed to high temperatures and the abrasive grit found in desert conditions. The SA80 earned a poor reputation during the Gulf War for stoppages when fired in semiautomatic mode. Whilst all light arms suffered difficulties from Saudi Arabia's harsh environment, it was clear that the SA80's problems were disproportionately high. Field expedients to prevent jamming included always firing the rifle on full automatic. On full auto the SA80 was less likely to malfunction. This however was against British the army doctrine—rigorously enforced in training—that each shot fired should be an aimed shot.
- The magazine release was prone to catch on clothing and webbing, the magazine falling unnoticed to the ground. This as can be imagined, led to some sticky situations. Remedial measures have included the provision of a latch shroud to protect the latch from snagging. This latter device looks a little rough and ready but does work reasonably effectively.
- It is impossible to shoot around the left side of cover with the SA80. The



weapon can only be fired from the right shoulder, that is unless you want to catch the weapons right-mounted reciprocating bolt handle in your dentures. The spent cartridge also ejects from the right. This is not an encouraging feature if you are fighting a low-intensity conflict in an urban setting, such as in Belfast. There tends to be a large number of walls! Although early prototypes of the SA80 were designed to be produced in an alternate format for left-handed marksmen, the service rifle didn't introduce this option.

- The weapon's safety catch, in this case a type of plastic cross bolt which lays behind the trigger, is inherently fragile. The safety catch will break under pressure, such as that exerted by a frightened soldier squeezing the trigger hard in panic. The trigger mechanism itself is of frail construction; it has been known to jam in extremely cold weather. The firing pin on early production rifles had a chronic tendency to fracture. On newer weapons the firing pin is stronger but still not sufficiently sturdy.

- The weapon is tricky to fully strip and awkward to reassemble.
- The magazine is of particularly poor construction. Soldiers bin the issue magazine whenever possible and replace it with Colt magazines manufactured for the M16.
- Early rifles were withdrawn from service shortly after being issued for corrective work on the gas ports, which were apparently of the wrong dimension. Even after re-working, the gas ports leave the rifle prone to fouling.
- The chrome lining of the barrel has a tendency to delaminate.
- The plastic cover protecting the fore-end of the rifle is not very robust and tends to work loose. Many soldiers heavily tape the plastic cover down to prevent loosing it. The general quality of the plastic furniture is poor; it melts on contact with army issue bug juice! This is probably due more to the inferior quality of the plastic used than the admittedly lethal insecticide!
- The many steel stampings, welded joints and pins used to fix parts in a

position are poor quality and act as rust traps.

- Accessories are unsatisfactory. The bayonet tends to loose its edge and point. The issue cleaning kit is considered inadequate.

#### ERGONOMICS FROM HELL

Like other Bullpup weapons, the SA80 is difficult to snap-shoot. This is because the butt-heavy configuration makes shouldering and instinctive aim difficult, particularly for those trained on rifles with a conventional layout. Difficult to shoulder comfortably, the SA80 does not come naturally to the aim.

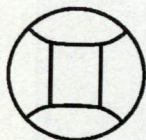
**Remarkably the weapon manages to perform the feat of being extraordinarily heavy for a 5.56 mm weapon and at the same time giving an impression of fragility.** The 7.62 mm L1A1 SLR—replaced by the SA80—weighed a hefty 5 kgs with a 20-round magazine. The SA80, when equipped with its standard SUSAT optical sight and with a 30-round magazine, weighs 5.08 kgs, marginally worse than the SLR. Even with SUSAT removed, the

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Left: SA80 in close up. Note magazine and spent rounds.

Above: SA80 showing the right side in close up. Note cocking handle.

SA8 is heavy at 4.28 kgs. If you are going to purchase a weapon of the SA80's weight, then you are much better off buying a sturdy weapon such as the Israeli Galil or the robust Swiss Stgw 90 SIG assault rifle. Both of these assault rifles in their SAR variants weigh less than the SA80—the Galil SAR at 4.05 kgs with 35-round magazine and the Stgw 90 SIG at 3.98 kgs with a 30-round magazine. The excellent Austrian Steyr AUG—the prince of Bullpup rifles—weighs 4.1 kgs with a full magazine and integral optical sights. It may sound pernickety to moan to such an extent about a few grams in weight. However if you are using a rifle out in the field rather than the range, then every tiny reduction in burden helps.

Normally the excellent SUSAT optical sights (of which more later) are fit-

ted permanently to the rifle, and are perfectly satisfactory at ranges of 100 to 400 meters. However, in close terrain such as jungle, or at ranges of 25 meters or so common in urban fighting, quick, accurate shooting is a problem. A very rudimentary emergency battle sight is fitted to the top of the SUSAT optical sight and can be used for close-quarter battle. The EBS is fixed and no adjustments can be made.

When issued for jungle patrol, the weapon often has its SUSAT optical sight removed. It is replaced by a screw-in carrying handle with an integral back-sight and a screw-retained foresight block. The iron sights consist of a leaf aperture backsight and a foresight with a Trilux element on its blade. The leaf backsight has two aperture settings. The standard one is for use of ranges up to

200 meters, and the larger aperture is used for low light conditions and works reasonably well with the Trilux dotted foresight.

### SAVING GRACES

Not all aspects of the SA80 are an unmitigated disaster. The SUSAT optical sight, or Sight Unit Small Arms Trilux to give it its full name, is excellent. Unusually for an optical sight mounted on a military rifle, it is sturdy. Although like any optical sight, if subject to continuous harsh treatment SUSAT will lose its zero; it appears to be fairly resilient. SUSAT has a fixed focus and gives 4 X magnification of a target. It has a needle type aiming mark. In low light a variable intensity Trilux light source greatly assists accurate shooting. Twilight surveillance and weapon aiming is surprisingly good.

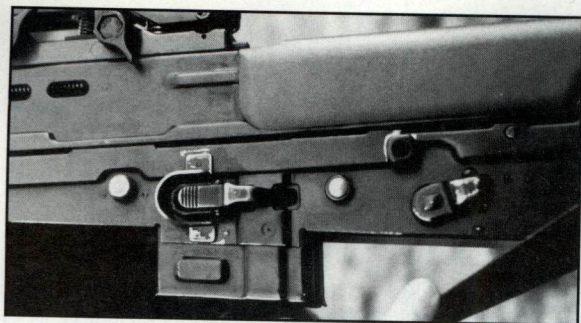


Soldier field stripping the SA80. He has opened the dust cover to gain access to the gas system.



SA80 field stripped. A: shows the three components which make up the gas system. B: The recoil rod assembly. C: Bolt carrier assembly. Note this item has not been fully disassembled. Above these components the main body of the rifle is split into two parts. The lower is the trigger mechanism housing. The upper is the barrel/breech assembly.





A close up of the SA80 showing the fire selector and the modified magazine release. The release, situated above the magazine well, has had a shroud welded around it to help prevent the magazine being inadvertently released by catching on clothing and webbing. This is now a standard modification.

SUSAT is not a "purpose built" nightsight, but as the author has experienced, it does seem to "suck in" all available light to good advantage. The major disadvantage with SUSAT is that, in common with similar sights, it can lead to a rifleman ignoring "the big picture." With a field of view of 10 degrees, a soldier can become so intent on gazing through SUSAT at a specific target that he misses alternate dangers at the fringes of his peripheral vision. Another potential drawback of SUSAT is that with the optical sight fitted, the line of sight is considerably higher than the barrel. This has the unfortunate consequence that the soldier presents a better target to the enemy when firing from the prone position. However, SUSAT, which is standard issue for all front line infantry, has led to a marked improvement in accuracy by the average soldier. Even a rookie private can run up impressive scores on a rifle range. However the nagging feeling remains that it would make more sense to mount SUSAT on a better battle rifle than the SA80.

The SA80 comes equipped with a rather complex assault sling. This comes in two parts: a long strap and a short. These clip together with a quick-release buckle. The advantage of the sling is that it allows the rifle to be carried securely snug against the body in a front, rear or side position. The sling is popular with serving soldiers. Personally, being naturally clumsy, I found it overelaborate and given the weight of the SA80, rather on the thin side.

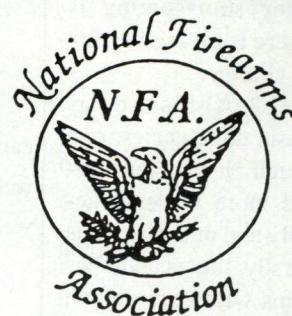
On discussion with soldiers who have actually to use the SA80 in combat rather than on the ranges, there has been a mixed response. The majority of older, more experienced men, loath the SA80. They believe, probably quite correctly, that it was adopted for commercial rather than military considerations. More junior ranks who have only

known the SA80 are relatively enthusiastic. It is worth pointing out that the majority of serving soldiers I spoke to were from a Rifle Regiment, The Royal Green Jackets. The Royal Green Jackets as light infantry, are fiercely proud of their skill at arms. They concentrate harder than a standard mechanized infantry unit on obtaining superlative skills with small arms. For the American reader the closest parallel I can think of is the U.S. Marine Corps, where the individual soldier and his rifle are the ultimate weapon system. With this attention to training, the average soldier in The Royal Green Jackets is going to maintain and clean his rifle to a particularly high level, and attain great accuracy in its use. He is likely to be a sharpshooter who can get excellent results with the SA80—despite its shortcomings.

#### OTHER MEMBERS OF THE SA80 FAMILY

The SA80 has two major derivatives. These are the light support weapon Known as the L86A1 and a single-shot version of the rifle known as the Cadet rifle L98A1.

The L86A1 is a modification of the standard SA80. It has many components that are interchangeable with the SA80. It also uses SUSAT. The major alteration is the provision of a longer and heavier barrel. This is braced on its underside by a perforated support. A bipod is fitted to the front of the weapon; a wire butt strap is standard and an extra hand grip has been furnished behind the magazine. (The bipod is a useful addition but the latch, which holds it in the up position, is weak. The bipod tends to drop down into a deployed position when not required.) The basic mode of operation of the L86A1 is similar to that of the SA80—a gas piston driving a bolt carrier and rotating bolt. The weapon fires on a closed bolt but the bolt is held open after the trigger is released, thus helping the barrel to cool down quicker.



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A major shortcoming is that there is no facility for barrel change.

The L86A1 has two further basic deficiencies, one of which has been addressed more or less successfully and one which has not. Firstly, the weapon has problems with accuracy on full automatic. Secondly, ammunition supply is limited to 30-round box magazines. The inability to take belts of ammunition or accept a large capacity magazine with more than 30 rounds is a serious disadvantage. The weapon can not deliver the same high rates of firepower as the Belgian 5.56 mm FN Minimi, the Israeli Negev, the Ultimax from Singapore, or a host of similar squad light machine guns.

War is a hard testing ground which exposes flaws in weapon design. During the Gulf War, early versions of the L86A1 were found to fire split groups when fired on full automatic. In combat this led to potentially embarrassing situations.

On the one hand the squad support weapon, with its tendency to fire split groups, had to be fired on semiautomatic to avoid friendly fire incidents. Whilst on the other, the SA80 had to be fired on full auto to avoid chronic jamming! This turned established British tactical doctrine, and common sense, on its head! After the Gulf War design modifications were made to the barrel support, lengthening and strengthening it, whilst the position of the bipod was

shifted further forward. After the modifications, the weapon gained a deserved reputation for extreme accuracy when single rounds are fired. However, there remains a residual tendency for split grouping on automatic.

The Cadet rifle L98A1 is a strange beast! It is an SA80 with the mechanism altered so that each round has to be chambered manually by pulling back a cocking handle. The rifle can either use a 10-round magazine or the standard 30-

## BASIC CHARACTERISTICS OF THREE BATTLE RIFLES

|                           | SLR L1A1          | SA80  | STEYR AUG  |
|---------------------------|-------------------|---|--|
| caliber                   | 7.62 mm           | 5.56 mm   | 5.56 mm  |
| weight empty              | 4.30 kgs          | 3.8 kgs   | 3.6 kgs  |
| weight with full magazine | 5 kgs (w/20 rnds) | 4.28 kgs (w/30 rnds)<br>5.08 kgs when<br>SUSAT is added | 4.1 kgs (with 30<br>rnds and integral<br>optical sights) |
| length of rifle           | 1143 mm           | 785 mm  | 790 mm   |
| length of barrel          | 554 mm            | 518 mm  | 508 mm   |
| rate of fire              |                   | 610-755 rnds/minute                                     | 650 rnds/minute  |
| mode of operation         | gas, semi-auto    | gas, selective fire                                     | gas, selective fire                                      |

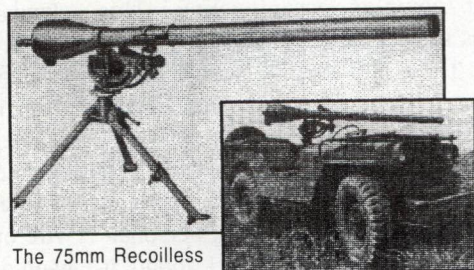
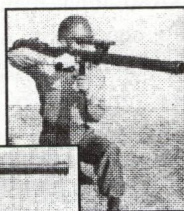
## HISTORIC OFFERING:

### US Army M18 Caliber 57mm Recoilless Rifles & US Army M20 Caliber 75mm Recoilless Rifles

Designed by the U.S. Ordnance Dept. in 1943-1944 the M18 and M20 series of 57mm and 75mm Recoilless Rifles gave much needed extra punch to Infantry and Airborne Divisions and saw extensive combat use in both the European and Pacific Theaters before the end of the war, and later during the Korean War. The U.S. Army destroyed most of their existing inventory in the 1950's and these weapons have been virtually unobtainable on the collectors market. We have been fortunate in locating a limited quantity of M18s and M20s in excellent condition along with the complete range of accessories. DON'T MISS OUT!! This will probably be your only opportunity to add these rare and exotic weapons to your U.S. World War 2 Martial Arms Collection . . . For further details we would refer you to the excellent book by Bruce N. Canfield, U.S. WEAPONS OF WORLD WAR II wherein he describes this weapons under the chapter title: Recoilless Rifles. Both of the M18 57mm and the M20 75mm Recoilless Rifles may be mounted on either M2 Tripods, M74 Tripods, M1917A1 Tripods, and vehicular postmasts on Jeeps, Dodges, etc. These really are an impressive U.S. Military Weapon for the Collection.



The 57 mm Recoilless Rifle M18 weights 46 pounds and measures 61 inches overall. Supplied complete with its telescope & case, front extended handle, complete bipod assembly, canvas breech and muzzle covers and bore brush. Rendered unserviceable according to BATF Specifications. Condition is exc. \$975.00 plus \$35.00 UPS for packing and shipping. Complete range of spare parts available. Please send want list with SASE.



The 75mm Recoilless Rifle M20 weighs 115 pounds and measures 82 inches overall. Supplied complete with sight and sight bracket, canvas breech and muzzle cover. Condition is exc. Rendered unserviceable according to BATF Specifications. \$1075.00 FOB Missoula, Montana. The Model 1917A1 Cradle and tripod is available for purchase with these weapons in Excellent un-demilled condition for \$350.00 additional.

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round magazine. The rifle comes with a carrying handle and iron sights as standard—no SUSAT. As its name suggests, the weapon is issued primarily to army cadets. To the authors mind, it would have been more sensible simply to issue the standard weapon. The only possible reason to introduce this strange hybrid is that of cost. If that is the case, then it is likely to prove a false economy.

#### AN ASSESSMENT

It took forty years before Enfield was to have a Bullpup weapon accepted for service use. Was the wait worth it? The answer has to be a resounding no! **The rifle is simply not soldier proof, has poor ergonomics and weight distribution and has been plagued by a succession of irritating faults in both design and manufacture.** If any reader is thinking of buying an SA80, I would suggest that they reconsider. The weapon will give excellent results on the range but offers potential problems in survival situations. The L86A1 variant will give astonishing accuracy for a light machine gun, particularly when fitted with SUSAT. However, it will simply not be able to give the same sustained high rate of fire of its competitors.

To call a rifle an expensive disaster may sound harsh; after all, most new weapons are prone to teething problems when they are introduced into service. American readers will probably remember the dissatisfaction expressed by soldiers at the sharp-end, when the reliable 7.62 mm M14 was replaced with the fault prone M16. Over the course of time the bugs were ironed out and the U.S. military grew to accept the "plastic rifle" with its 5.56 mm bullet. However unlike the case of the M16, complaints about the qualities of the SA80 have continued to simmer underneath the surface. It was accepted for service because of commercial and political pressures, not for sound military reasons. Although there have been some quality control improvements since manufacture of the weapon moved from Enfield to the Royal Ordnance factories in Nottingham, the basic problems remain. The very fact that the weapon hasn't really sold outside the ranks of the British military tells its own story.

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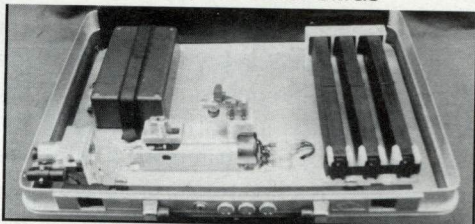
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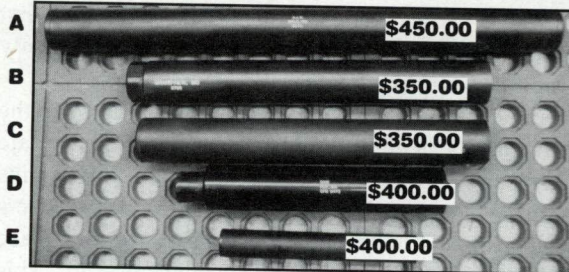
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# K & P's Light Match .50 Caliber Sniper Rifle

by Mark White

**Smooth, Reliable and Unusually Accurate**

**K**en and Peggy Johnson are a husband and wife team devoted to precision shooting. Ken is primarily a barrel maker, and although he can fabricate almost any part of a firearm, he prefers to make barrels.

## TESTING

The testing of this rifle was conducted in two sessions—the first on a conventional 100-yard range, and the second on a 1,000-yard range at Burton's buffalo ranch (Kodiak Cattle Company) on the east side of Kodiak Island.

For the very first shot on the 100-yard range I set up a piece of 1-inch-thick steel plate with a 1/4-inch hole drilled in the center. The first bullet, a 750 grain, swaged copper, molycoated, boat-tail projectile made by Carl Matts, was launched towards the 1/4-inch hole in the plate. This projectile made a small

crater in the plate, with its base projecting to the rear (see photo). When the back of the plate was examined, it was found that the very tip of the bullet could be observed in a position perfectly centered in the hole. With a 1/2-inch plate such a bullet usually melts a 3/4-inch hole completely through. This first shot could not have been more perfectly placed.

We were shooting at a time when the Kodiak contingent of Alaska State Troopers was present for a firearms practice session. One of the troopers fired the next shot, and aimed for a place a little to the left of the first shot. This second bullet was a 700 grain, soft point, lead-cored spitzer with a heavy molycoated copper jacket. When the dust settled, a shiny crater was observed where the second bullet had struck—exactly where the trooper had wanted to

place it. The third round, a military armor piercing incendiary, was directed towards the right side of the small plate.

The incendiary made a large flash, while the penetrator easily poked a neat 7/16-inch hole completely through the plate. The secondary ring around the hole was apparently caused by the API's jacket.

## LONGER RANGE TESTING

A day later we made the 3-hour drive out to Burton's 20,000 acre ranch for longer range testing. With me was George Lainhart, a law enforcement sniper working near the Atlanta Metro area, and Erik Berggren, a retired Coast Guard Security Officer. Both men have excellent eyesight and hand-eye coordination. Put another way, they are marvelous shots.

We set up on a picturesque cliff over a small lake. Targets consisted of a



white 9-inch trawl float, and several 12-inch blocks of driftwood. These were set in a sandbank positioned at 500 yards. The range was confirmed with Bushnell's Lytespeed 400 laser range finder, aimed from the target area towards the reflective steep cliff.

A steady 14 mph wind blew from the southwest, at about a 5 o'clock position. The temperature was about 55 degrees F. The sky was overcast, with plenty of light. George dialed in the range and added about a minute for windage. This rifle had not previously been fired beyond 300 yards, hence there was no range card to provide exact settings. Four shots from the big fifty allowed us to get close on elevation. My first shot at 500 yards penetrated the white trawl float, although the hit was 2 1/2 inches to the right of the center. Burton's son Buck fired at the same target, impacting the same spot. A little less windage was called for.

We then shifted our attention to a steep sandstone/shale cliff, 1,030 yards from our position. This put the wind at 3 o'clock. George torched off a round of armor piercing tracer toward a prominent red patch in the center of the cliff. A significant elevation increase and a slight adjustment to windage had put the point of impact right on the money. Subsequent shots fired individually by

George and by Erik put a cluster of impact marks into an area about 5 inches in diameter. A new area on the rock was selected, and the experiment was repeated with similar results. Of interest to me was the fact that both the Matts 750 grain solid copper bullets and Hawk Labs lead-core hunting bullets had very similar flight characteristics. Even at 1,030 yards we saw little or no evidence of differences in wind drift and elevation between the two. This is quite surprising, as the nose profile of the Matts 750 grain bullet is considerably sharper.

From what I observed, with a proper range card and a good range finder, a first-round hit on a target the size of a softball would have been about a 95 percent probability at 1,000 yards with this particular rifle, with either George or Erik as shooters.

### BULLET FLIGHT TIME

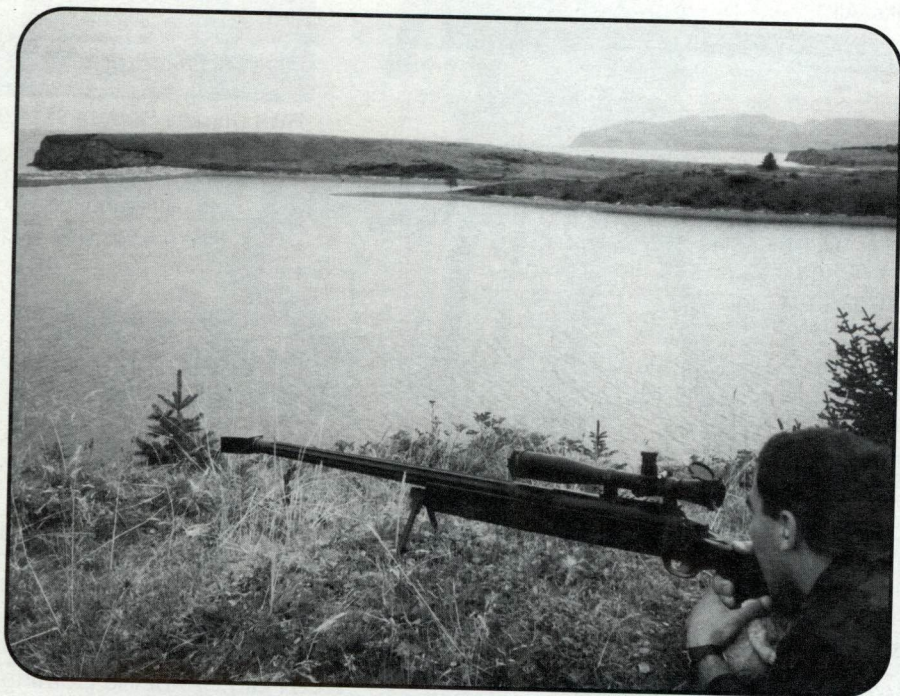
It was interesting to note that the time of flight for the .50 caliber bullets at 1,030 yards was 1.5 seconds. Erik initiated a stopwatch at the sound of discharge, and stopped the count when he saw the puff of rock dust on the cliff face.

### CASE PREPARATION AND LOADING

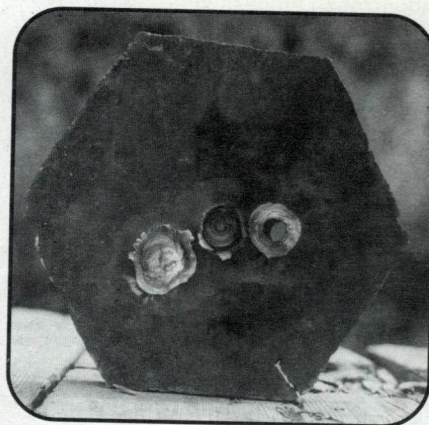
All cases had been trimmed and neck turned, with the flash holes drilled to a uniform diameter. We were using

IMI brass with a TZZ head stamp. Military brass is not normally very accurate, but it can be reworked. With the exception of the military API and APT rounds, all cartridges were loaded with 235 grains of 24N41 Vihta Vuori powder. This powder is made in Finland and appears to be the drug of choice for accuracy and performance in the .50 BMG. Using the load mentioned, one will get about 30 shots from a pound of powder. With bullets running from 50¢ to \$1 each, and primers from 1¢ (inserts are available to allow the use of standard magnum rifle primers) to 16¢ (for CCI & RWS 5/16-inch diameter primers), the .50 BMG is a fairly inexpensive round. Nothing else approaches the power level for the money expended.

Using 235 grains of 24N41 powder under a 750 grain bullet, the load develops roughly 46,000 psi of pressure at the breech, with a velocity around 2,900 feet per second out of K & P's 32-inch barrel. At 1,000 yards the projectile is still traveling 2,280 fps with roughly 8,000 foot pounds of energy. At 2,500 yards (1.42 miles) the flight time will be 3.6 seconds. Terminal velocity at 2,500 yards will be about 1,600 fps, with 2,800 foot pounds of energy remaining. Objects the size of a 55-gallon oil drum may be reliably struck at that distance.



The cliff face, 1030 yards away, is visible above and slightly to the left of the rifle's muzzle.



Above. Left: the crater formed by Hawk Labs bullet. Center: base of Matts bullet protruding from plate. Right: 7/16-inch hole formed by penetrator from API round. The ring around the hole was apparently formed by a strike from the bullet's jacket.



## SAFETY AND A COCKING KNOB

There were zero failures to feed, fire or extract. This brings us to an important point regarding safety. I believe that ALL .50 BMG rifles should have a re-cocking knob on their strikers. If you are confused as to what I mean, look at an old .303 British Enfield or .30-06 Springfield rifle. These rifles were built in an era when hard or reluctant primers often needed a second chance to fire before the shell was extracted and thrown away. Much of the .50 BMG ammo is well over 50 years old, and the primers are quite hard. At .50 BMG matches across the U.S. it has often happened that the act of turning and opening the bolt caused a struck, but unfired, cartridge (with the firing pin still embedded in the primer) to ignite. When this happens, the bolt, which is not held in with the lugs, flies backwards with considerable force. Anyone behind the rifle is subject to serious injury or death as the two- or three-pound bolt is hurled into the crowd of spectators behind the weapon. When this happens in a match, all firing ceases, and the spectators are



George Lainhart firing the K&P Light Match .50 caliber sniper rifle.

cleared behind the firing line. If a cartridge won't fire on the second attempt, it probably isn't going to go. One is flirting with certain injury to the firearm, and possible physical injury to one's self by opening a .50s bolt when the firing pin is in the forward position. Recocking by pulling the striker rearward is the only safe way to attempt to fire the cartridge.

While a cartridge is a relatively inert device, one with a struck primer may be extremely sensitive. In one instance a struck primer was touched with a fin-

gertip—apparently the natural human response. In this case the primer ignited (but the main charge did not) removing the tip of the curious person's finger. In a similar incident, the primer backed out of the case when the main charge ignited. In this second incident all of the propellant gas went back out of the flash hole, burning the person's fingertip. The case did not burst, and the bullet remained in place. The powder used in the .50 BMG is quite slow, and normally won't do much unless pressure is allowed to build inside the case. If the

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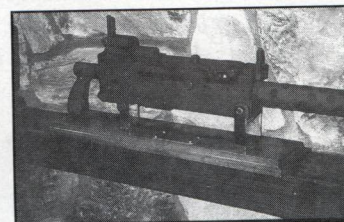
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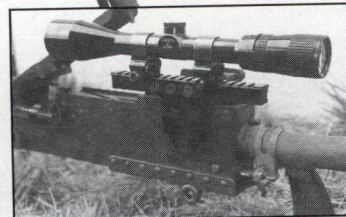
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pressure can't easily escape, one is then dealing with upwards of 20,000 foot pounds of energy. The message is clear. Avoid the natural impulse and DO NOT TOUCH the primer on a struck case. Properly dispose of any such cases. It would take a carefully shielded device to disassemble such a cartridge so that the case could be reprimed and the components used. While the pressures aren't excessive, the greater volume of the .50 makes it more dangerous when something goes awry.

### ACTION

The action on K&P's .50 is made by McBros. This is a proven, reliable, accurate action that has been thoroughly tested over the past several years. It is expensive but one of the best (if not the best) on the market today. Its only fault (in my eyes) is the lack of a recocking knob.

### STOCK

The composite Big Mac stock on this rifle is made by McMillan. It is solid, stable and rugged. It was not especially comfortable for me, but that is due to the nature and size of the big .50 and not to any inherent flaw in the stock itself. The weight of the loaded firearm is very close to 27 pounds. While some may be able to fire this weapon effectively offhand, I find a rest of some sort a useful aid. The Big Mac stock is very well made and contributes to the exceptional accuracy of this firearm.

### BIPOD

A K&P bipod comes standard with this rifle. It is of a clean, simple design and is adjustable between 7 and 12 inches. Longer bipods are available. This one was made of 4130 chrome moly steel, skillfully welded together. While it has held up so far on this weapon, I believe K&P should at least double the size of the components. A bipod is a necessity in the field, and a broken one is useless. There is a big difference between a device used to hold the rifle up while cleaning, and a bipod designed for use in the field. Most benchrest shooting is done off sandbags, while most field deployments will be done off a bipod. I've been told that sandbags are marginally more accurate, but I'm quite happy with the work done off a conventional bipod. A number of people shot this rifle, and all were impressed with its accuracy.

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Installing K&P brake.

We shot off a hummock in grassy tundra, and the feet of this bipod worked their way down into the soft growth. Larger feet with more bearing surface would be a good idea.

### BARREL

The barrel, the heart of any accurate rifle, was bored, reamed, rifled, threaded, fitted, chambered, and fluted by Ken Johnson. His care and patience in turning out a barrel with perfect concentricity is something which can only be appreciated by those who search for ultimate accuracy. The barrel employs cut rifling, which I believe is the most accurate. There are eight deep exterior flutes,

running from just ahead of the chamber to about 2 inches short of the muzzle. I normally don't like fluting, as many otherwise perfectly good barrels have been ruined by the process. A fluted barrel is striking to look at, and flutes are very popular.

About two-thirds of the fluted barrels on the market have been bent in that machining process, as many take but a single cut per flute. In this case I believe each flute was cut a little at a time, as the barrel was indexed. Barrel accuracy does not appear to have been diminished in any way.

If a barrel is going to be fluted, IT IS IMPORTANT THAT THE MAKER OF THAT BARREL DO THE FLUTING. That way, if the barrel won't shoot accurately, only one person bears the responsibility. If one person makes the barrel and another flutes it, each will blame the other when the completed rifle won't deliver.

Sometimes a botched chamber can be cut off, the barrel set back, and the machining process can be completed correctly. If a barrel's flutes are cut too far back this option is eliminated, and the entire barrel must be scrapped. Full-length flutes are to be avoided if one wants flexibility later on in the life of a rifle barrel. With moderate loads and molycoated bullets the life of an unlined, unplated .50 barrel will be from 5,000 to 6,000 rounds, after which it will lose its accuracy edge. A fluted barrel must be scrapped if its throat is burned out, as it can't effectively be reworked.

### MUZZLE BRAKE

The clamshell style brake was also made and fitted by Ken Johnson. A .50 BMG rifle needs a brake, and this one is very effective. It takes propellant gas and directs it back along both sides of the shooter. It has been said that the recoil of this rifle is about equal to that of a .308. I don't think that's entirely true, but none of the eleven people I watched shooting the K&P .50 appeared to be hurt by the recoil in any way. The prone position can be especially painful with

| <b>LEWIS PARTS</b><br>Op rod complete .....\$45.<br>Barrel mouthpiece.....30.<br>Ejector cover.....15.<br>Feed arm .....35.<br>Feed pawl spring .....5.<br>Feed pawl. ....12.<br>Safety L+R.....12.<br>Rec. lock pin .....15.<br>Recoil spring.....50.<br>Top cover spring .....3.<br>Bolts .....60.<br>Gas port.....20.<br>Cocking handle .....15.<br>Front sight.....5.<br>Feed arm pawl .....8.<br>Gas port ream.....10.<br>Oil can.....10.<br>Strikers.....5.<br>Spring housing.....50.<br>Extractor .....12.<br>Ejector.....50. | <b>BREN</b><br>MKII barrels .....\$25.00<br>MKI barrels .....30.00<br>MKI parts kits less receiver.....250.00<br>AA tripod new .....215.00<br>Wood transit chest.....69.95<br>WWII web spares carrier .....10.00<br>Gun covers .....14.95<br>12 mags in carrier.....45.00<br>WWII sling .....29.95<br>MKI buttstock new .....40.00<br>Tripod slings .....39.95 | <b>MAXIM PARTS</b><br><b>Chinese Type 24 and Finnish Type 09, 32</b><br><table><tr><th>Part No.</th><th>Description</th><th>Cost</th></tr><tr><td>MX101</td><td>Water can (Finnish)....</td><td>\$75.</td></tr><tr><td>MX102</td><td>7.62 x 54r case extractor .....</td><td>15.</td></tr><tr><td>MX107</td><td>Brass water jacket plug (09).....</td><td>12.</td></tr><tr><td>MX108</td><td>Steam hose fitting (09).15.</td><td></td></tr><tr><td>MX109</td><td>Pair wood grips .....</td><td>30.</td></tr><tr><td>MX110</td><td>Belt loader 7.62 x 54r...</td><td>250.</td></tr><tr><td>MX111</td><td>Wood barrel carrier .....</td><td>40.</td></tr><tr><td>MX112</td><td>Cloth gun cover (Finland).....</td><td>20.</td></tr></table> | Part No. | Description                  | Cost  | MX101                          | Water can (Finnish).... | \$75.                      | MX102 | 7.62 x 54r case extractor ..... | 15. | MX107                | Brass water jacket plug (09)..... | 12.                        | MX108 | Steam hose fitting (09).15. |    | MX109 | Pair wood grips ..... | 30. | MX110 | Belt loader 7.62 x 54r... | 250. | MX111 | Wood barrel carrier ..... | 40. | MX112 | Cloth gun cover (Finland)..... | 20. | <table><tr><th>Part No.</th><th>Description</th><th>Cost</th></tr><tr><td>MX118</td><td>Finnish AA tripod.....</td><td>\$595.</td></tr><tr><td>MX119</td><td>Finnish .32 tripod .....</td><td>495.</td></tr><tr><td>MX120</td><td>09 wheeled mount.....</td><td>475.</td></tr><tr><td>MX125</td><td>09 booster .....</td><td>50.</td></tr><tr><td>MX126</td><td>09/32 booster .....</td><td>125.</td></tr><tr><td>MX130</td><td>09/32 feedblock.....</td><td>45.</td></tr><tr><td>MX131</td><td>Chamber tool .....</td><td>20.</td></tr><tr><td>MX135</td><td>Leather barrel carrier ...</td><td>40.</td></tr><tr><td>MX151</td><td>8 mm wood ammo bxs.</td><td>40.</td></tr></table> | Part No. | Description | Cost | MX118 | Finnish AA tripod..... | \$595. | MX119 | Finnish .32 tripod ..... | 495. | MX120 | 09 wheeled mount..... | 475. | MX125 | 09 booster ..... | 50. | MX126 | 09/32 booster ..... | 125. | MX130 | 09/32 feedblock..... | 45. | MX131 | Chamber tool ..... | 20. | MX135 | Leather barrel carrier ... | 40. | MX151 | 8 mm wood ammo bxs. | 40. |
|--|--|---|----------|------------------------------|-------|--------------------------------|-------------------------|----------------------------|-------|---------------------------------|-----|----------------------|-----------------------------------|----------------------------|-------|-----------------------------|----|-------|-----------------------|-----|-------|---------------------------|------|-------|---------------------------|-----|-------|--------------------------------|-----|---|----------|-------------|------|-------|------------------------|--------|-------|--------------------------|------|-------|-----------------------|------|-------|------------------|-----|-------|---------------------|------|-------|----------------------|-----|-------|--------------------|-----|-------|----------------------------|-----|-------|---------------------|-----|
| Part No.   | Description  | Cost  |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| MX101  | Water can (Finnish)....  | \$75.   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| MX102  | 7.62 x 54r case extractor .....  | 15.   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| MX107  | Brass water jacket plug (09).....  | 12.   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| MX108  | Steam hose fitting (09).15.  |   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| MX109  | Pair wood grips .....  | 30.   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| MX110  | Belt loader 7.62 x 54r...  | 250.  |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| MX111  | Wood barrel carrier .....  | 40.   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| MX112  | Cloth gun cover (Finland).....   | 20.   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| Part No.   | Description  | Cost  |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| MX118  | Finnish AA tripod.....   | \$595.  |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| MX119  | Finnish .32 tripod .....   | 495.  |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| MX120  | 09 wheeled mount.....  | 475.  |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| MX125  | 09 booster .....   | 50.   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| MX126  | 09/32 booster .....  | 125.  |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| MX130  | 09/32 feedblock.....   | 45.   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| MX131  | Chamber tool .....   | 20.   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| MX135  | Leather barrel carrier ...   | 40.   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| MX151  | 8 mm wood ammo bxs.  | 40.   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| <b>MG13 PARTS</b><br><table><tr><td>8 mags in carry case . . . .</td><td>\$75.</td></tr><tr><td>8 mags in web carrier. . . . .</td><td>95.</td></tr></table>   |  |   |          | 8 mags in carry case . . . . | \$75. | 8 mags in web carrier. . . . . | 95.                     |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| 8 mags in carry case . . . .   | \$75.  |   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| 8 mags in web carrier. . . . .   | 95.  |   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| <b>VICKERS PARTS</b><br><table><tr><td>Flash hider . . . . .</td><td>\$60.</td></tr><tr><td>New 303 locks . . . . .</td><td>50.</td></tr><tr><td>Deflector sights . . . . .</td><td>40.</td></tr><tr><td>New brass feed blocks . . . .</td><td>60.</td></tr><tr><td>Muzzle cup. . . . .</td><td>25.</td></tr><tr><td>New 303 barrels . . . . .</td><td>40.</td></tr><tr><td>Water Jacket corks. . . . .</td><td>2.</td></tr></table>   |  |   |          | Flash hider . . . . .        | \$60. | New 303 locks . . . . .        | 50.                     | Deflector sights . . . . . | 40.   | New brass feed blocks . . . .   | 60. | Muzzle cup. . . . .  | 25.                               | New 303 barrels . . . . .  | 40.   | Water Jacket corks. . . . . | 2. |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| Flash hider . . . . .  | \$60.  |   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| New 303 locks . . . . .  | 50.  |   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| Deflector sights . . . . .   | 40.  |   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| New brass feed blocks . . . .  | 60.  |   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| Muzzle cup. . . . .  | 25.  |   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| New 303 barrels . . . . .  | 40.  |   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| Water Jacket corks. . . . .  | 2.   |   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| <table><tr><td>Wood Parts chest. . . . .</td><td>\$35.</td></tr><tr><td>Water Jacket cover, new. . .</td><td>50.</td></tr><tr><td>Aiming stakes. . . . .</td><td>35.</td></tr><tr><td>Extractor . . . . .</td><td>20.</td></tr><tr><td>Firing pin . . . . .</td><td>12.</td></tr><tr><td>Leather oil case . . . . .</td><td>30.</td></tr></table>  |  |   |          | Wood Parts chest. . . . .    | \$35. | Water Jacket cover, new. . .   | 50.                     | Aiming stakes. . . . .     | 35.   | Extractor . . . . .             | 20. | Firing pin . . . . . | 12.                               | Leather oil case . . . . . | 30.   |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| Wood Parts chest. . . . .  | \$35.  |   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| Water Jacket cover, new. . .   | 50.  |   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| Aiming stakes. . . . .   | 35.  |   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| Extractor . . . . .  | 20.  |   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| Firing pin . . . . .   | 12.  |   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| Leather oil case . . . . .   | 30.  |   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| <b>OMEGA WEAPONS SYSTEMS</b><br><b>2918 E. Ginter, Tucson, AZ 85706</b><br><b>Phone (520) 889-8895 Fax (520) 741-9466</b>  |  |   |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |
| <b>ALL PARTS PLUS SHIPPING</b>   |  | <b>ALL PARTS PLUS SHIPPING</b>  |          |                              |       |                                |                         |                            |       |                                 |     |                      |                                   |                            |       |                             |    |       |                       |     |       |                           |      |       |                           |     |       |                                |     |   |          |             |      |       |                        |        |       |                          |      |       |                       |      |       |                  |     |       |                     |      |       |                      |     |       |                    |     |       |                            |     |       |                     |     |



some rifles, but it was not so in this case. The movement is back about 4 inches, with a major thrust reversal at the end of the stroke as the brake takes effect. Shooting in very hot weather will, of course, have more effect.

While the blast from this brake will not go directly down, I believe firing this weapon from the prone position in mud or sand will cause both rifle and shooter to be covered in mud and sand. A canvas tarp on the ground would be a good idea in many situations.

The blast of gas ripples strongly along both sides of one's body. Erik sat nearby, acting as a spotter with field glasses for much of the shooting. He appeared to thoroughly enjoy the heat and shock of the blast. This might seem strange to the uninitiated but is something most *MGN* readers will understand.

Most owners of muzzle brakes remove them for cleaning and transport. My personal bias is to permanently attach a brake to its muzzle. Whatever your preference is, the case used for transport should be large enough to accommodate the rifle with its bolt, scope

and bipod, ammo, cleaning rod, bore guide and brake.

### RIFLE CASE

With an overall length of 57 1/2 inches, with brake, this rifle will not fit in a Pelican case. I doubt if Pelican wants to invest in the expensive dies required to make just a few cases to house the big fifty. Apparently this is why Harris makes a demountable buttstock for their .50—so it will fit in a Pelican case. Here we have the cart before the horse. It would be better to find a bigger case from a different source.

The K&P .50 was fitted into a sturdy aluminum case from Ziegel Engineering. This case measured 4 x 10 1/2 x 60 inches, and we were not happy with the width and depth of it. A case ordered to fit this rifle should measure 5 x 14 x 60 inches. This dimension will fit everything inside, including the mounted brake and the bolt in its action. With foam inserts, the case should weigh about 15 pounds. This case will be so large that few will suspect it of housing a firearm—removing some of the likelihood of tampering and theft in transport. Expect to pay about \$200 for the case.

Our sample case was fitted with four individual steel hasps, and four differently keyed, full-size padlocks. The weak point was the exposed aluminum hinge on the back side, which could be cut off with a small hatchet, or quickly depinned with a punch and pliers in a baggage handling area. If you transport this item in a car or van, it could be padlocked on both ends to eyebolts set in the floor. If it is imperative that the case be carried in a car trunk, do some measuring before ordering rifle and case. Some car trunks aren't 60 inches wide.

### LYTESPEED 400 RANGEFINDER

As mentioned previously, we used Bushnell's Lytespeed 400 Rangefinder in determining firing distances and range. The number 400 (yards) is the operative word here. Even though the \$250 unit will measure up to 1,000 yards, it needs a reflective surface to bounce a signal off. Accuracy is not a problem, but we were not able to get a laser impulse to bounce off furry buffalo or dense, treeless vegetation much beyond 100 yards. George is providing feedback to Bushnell, and I believe they

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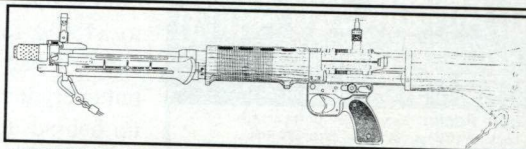
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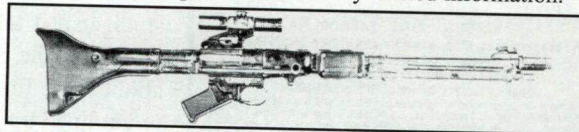
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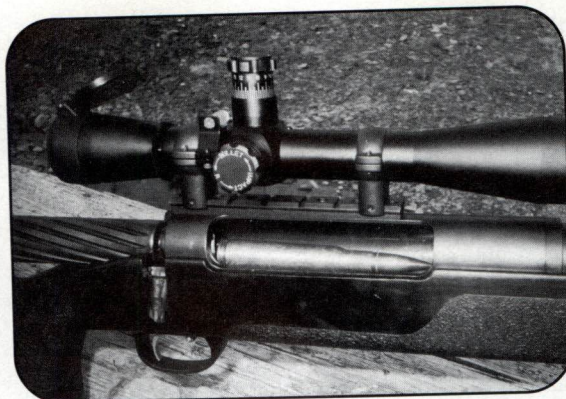


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Close up of Mc Bros receiver and Premier Reticle's Leupold scope.

will eventually have a more powerful unit that will reach out further. A proper rangefinder is essential to pinpoint accuracy beyond 200 yards. Bushnell's product is light, compact, cheap and effective for intermediate ranges. Like the first calculator in the days of the expensive slide rule, it has ruined the market for other, more expensive (\$5,000) name brand units.

### SCOPE AND MOUNT

The base and 30 mm Tactical rings were made by Leupold, as was the fixed, 16 power, MK4-M1, 42 mm scope. Premier Reticle made and set the mil dot reticle. Expect to pay from \$850 to \$1,100 for a similar scope. George and Erik had no problem with the scope, but everyone else had a hard time lining up behind the rear lens. The optics are excellent, but the focal distance is so short, and the diameter of the image so small that it takes a lot of coordination to stay in the right spot. One man took about three minutes before he was able to get lined up long enough to squeeze a single shot off. This is the most difficult scope I've ever tried to stay behind. The image is good, however, and one can't complain about the accuracy. I don't advise the purchase of a more powerful scope, as mirage will be a problem. This particular scope is probably optimal for field use, but be aware of the small exit pupil and how much practice it will take to hold your eye in the small spot of the focused image.

A knob on the left side of the turret provides rapid and precise focus—an important feature as one's eyes change during the day, or if different people will be using the firearm. This is a first class scope. The elevation and windage turrets can be zeroed, and are dependably

repeatable. This last feature is very important if the firearm will be used in HR or law enforcement. Statistically, the biggest cause of a miss in the field is an improper elevation adjustment.

### TRIGGER

The Arnold Jewell trigger was set at 2 1/2 pounds, which is becoming the standard for many sniping rifles. The only safety is set inside the trigger guard. The trigger is clean and crisp. I can find

no fault with it. All who fired the .50 were very pleased with its trigger.

### SUMMARY

In summary, I found K&P's Light Match .50 caliber sniper rifle an excellent piece. It is smooth, reliable and unusually accurate. I wish all rifles were this good. At roughly \$3,000 (less scope), it's a very good buy for a .50. Expect to wait at least a year after ordering. Don't be put off by the fact that it's a single shot. Most good .50s are single shots. The only things I would recommend adding are an external cocking knob and a beefed up bipod.

### SOURCES

**K&P Gun Co.**, PO Box 488, Raton, NM, 87740, (505) 445-1311, fax 1312

**Fifty Caliber Shooters Association**, 11469 Olive St., Suite 50, St Louis, MO 63141, \$25/yr, \$45/2 yrs.

**Ziegel Engineering**, 2108 Lomina Ave., Long Beach, CA 90815, (562) 596-9481

**Burton's**, Box 1608, Kodiak, AK 99615, Phone (907) 486-3705. Guided hunts for buffalo, deer and brown bear.

**Leupold**, PO Box 688, Beaverton, OR 97075 (503) 526-1400, fax (503) 526-1455

**Premier Reticle**, 7920 Breckinridge Lane Winchester, VA 22601, (540) 722-0601, fax (540) 722-3522

**Butler Creek Corp.**, 290 Arden Dr., Belgrade, MT 59714 (406) 388-1356, fax (406) 388-7204

**McMillan Fiberglass Stocks**, 21421 N 14th Ave., Phoenix AZ, 85027, (602) 582-9635, fax (602) 581-3825

**Arnold Jewell**, 3620 Highway 123, San Marcos, TX 78666, (512) 353-2999

**Bushnell Rangefinder**, Georgia Precision Shooters Supply, 5375 Old Bethlehem Rd, Fairburn, GA 30213, (770) 964-7028

**Hawk Labs**, 849 Hawks Ridge Road, Salem, NJ 08079, (609) 299-2800

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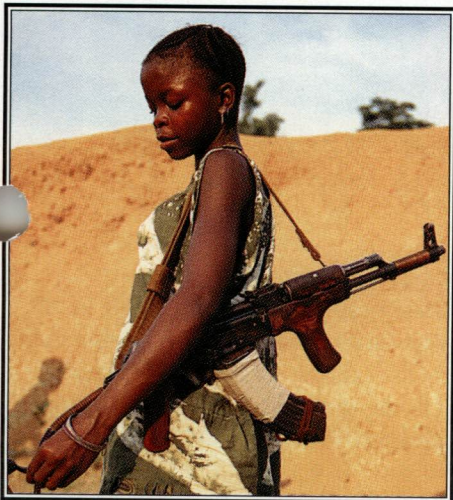


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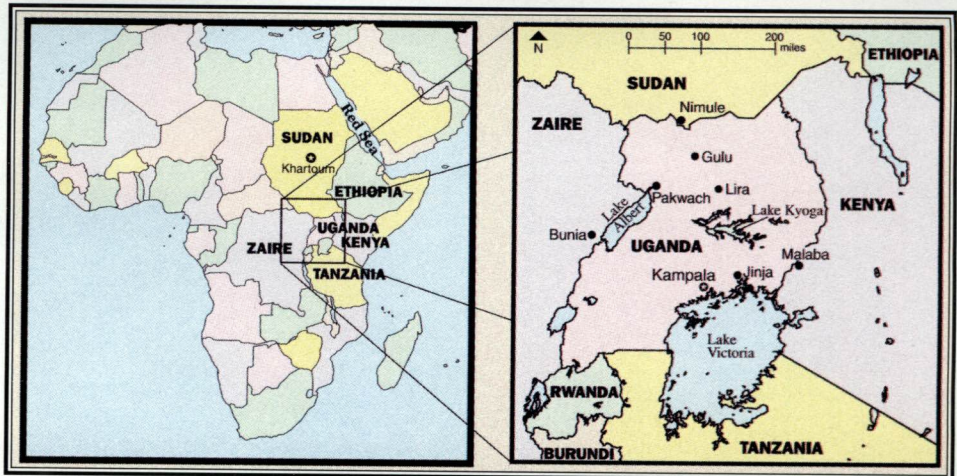
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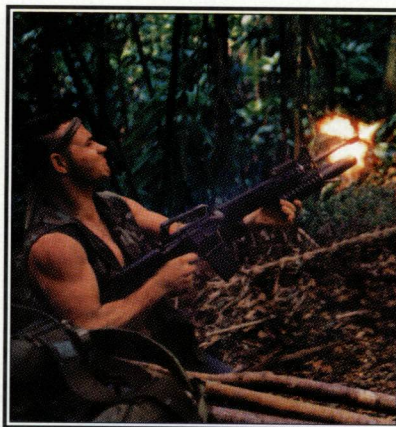
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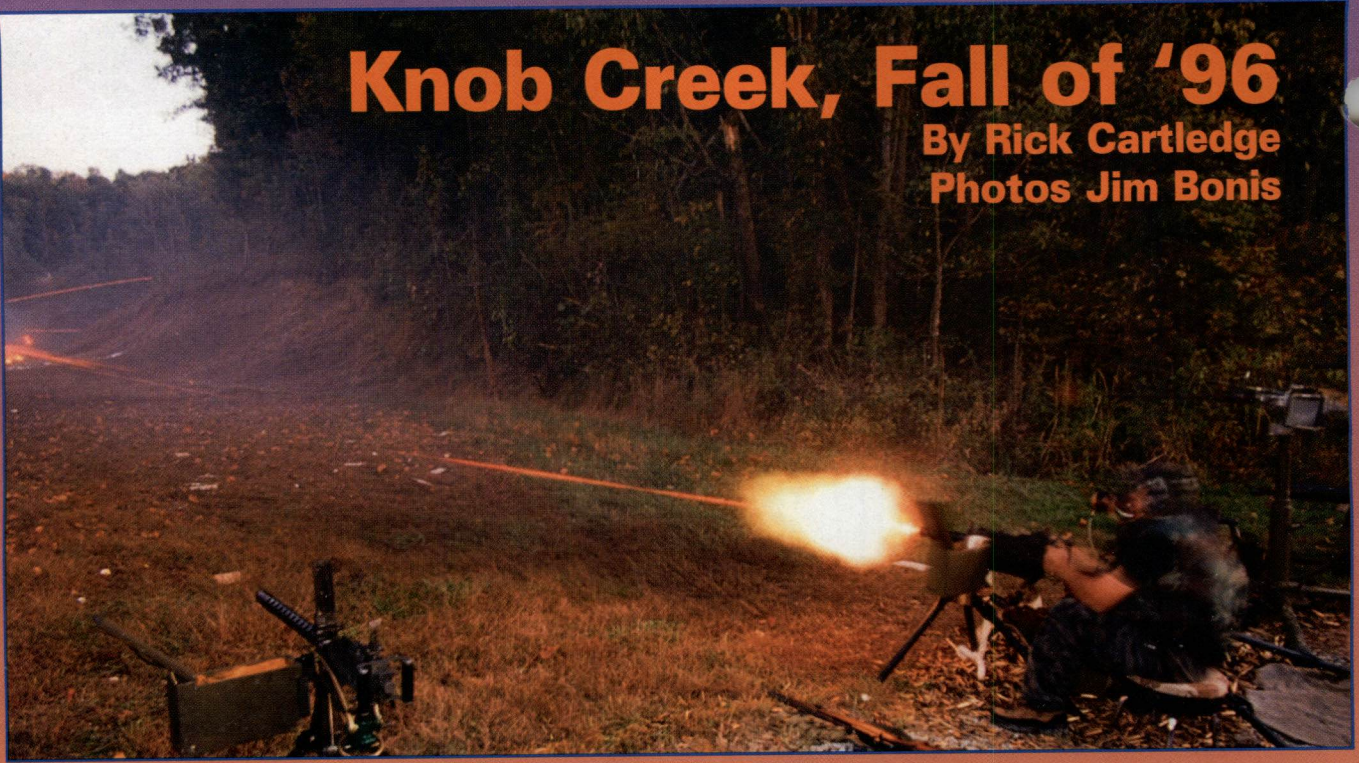
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# Knob Creek, Fall of '96

By Rick Cartledge  
Photos Jim Bonis



## 'The Good Company of

**I**n Ridley Scott's *Blade Runner* the fine actor Rutger Hauer says, "If only you could see what I have seen.... I've seen things...people wouldn't believe...." Faithful readers know of this writer's interest in history and people. In the following, we will tell you of Knob Creek, October 1996. We

will also take you to some of Knob Creek's past. In both, we will show you how to get something extra out of coming to the Creek.

Not long ago, the machine gun passed its 100th birthday. Much of its history passes orally from one generation to the next. Within the pages of *MGN*, many of the writers put to paper what heretofore passed only in fortunate conversation. We help to preserve the history and hand it to the next generation. The gun show and firing line at Knob Creek stand as the finest examples of the Title 2 world that exist on this planet.

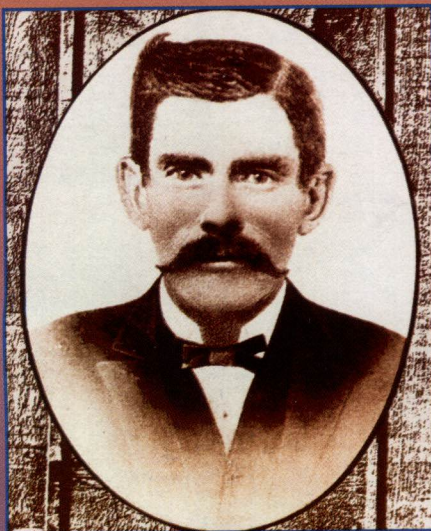
### The Opening Gun

Many greet and shake hands with steadfast friends made at Knob Creek and seen only every six months. In other places throughout the year, this writer counts himself as just one of many who has heard the parting salutation, "See you at the Creek!" That phrase signals that its turner plans to be at the Knob Creek Shoot and hopes to run into the recipient somewhere between the Waffle Man and the pole barn. Knob Creek

simply means a good time had by all. This October was no exception. Aided by the skilled camera of Jim Bonis, we will go on what our Australian readers cheerfully call a "walkabout."

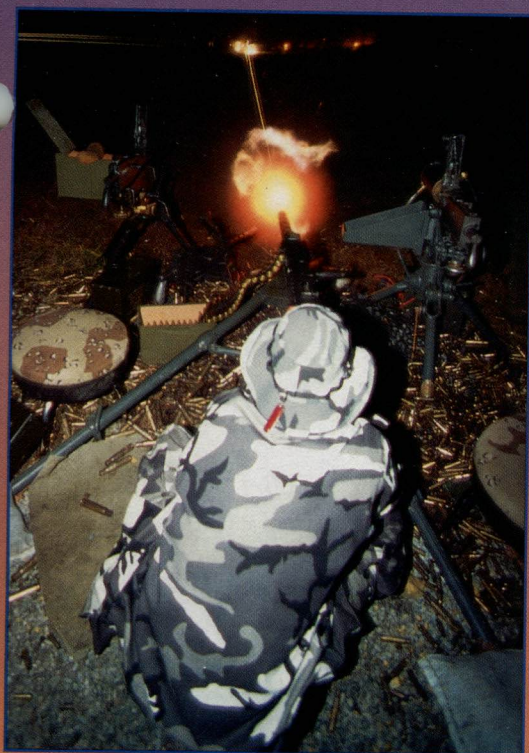
I learned a long time ago to come early and stay late at Knob Creek. I got off work at midnight on Wednesday, headed home, and faced a decision. I could either go to sleep or go claim the room waiting in Kentucky. This was a no-brainer. I pushed the spacious Ford out on I-75 and blew north through Atlanta. At 9:15 Thursday morning I ordered breakfast in Shepardsville. At 11 o'clock Kenny Sumner gave a friendly handshake in the range house and said that the Knob Creek T-shirts went on sale Friday morning.

Outside the range house I ran into the Alabama Cavalry. Their mules now carry rubber treads instead of iron shoes. They stated that this Sunday's dinner menu included smoked Boston roast with red beans and rice. They admonished against tardiness and accepted my contribution to the campfire. They pinpointed their position in the eighty-acre

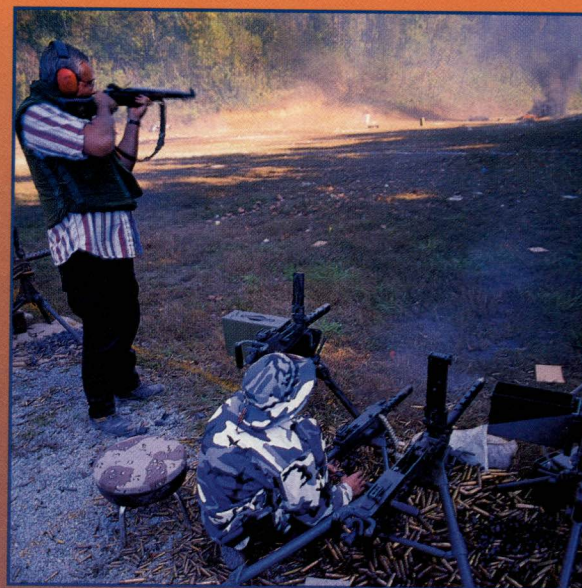
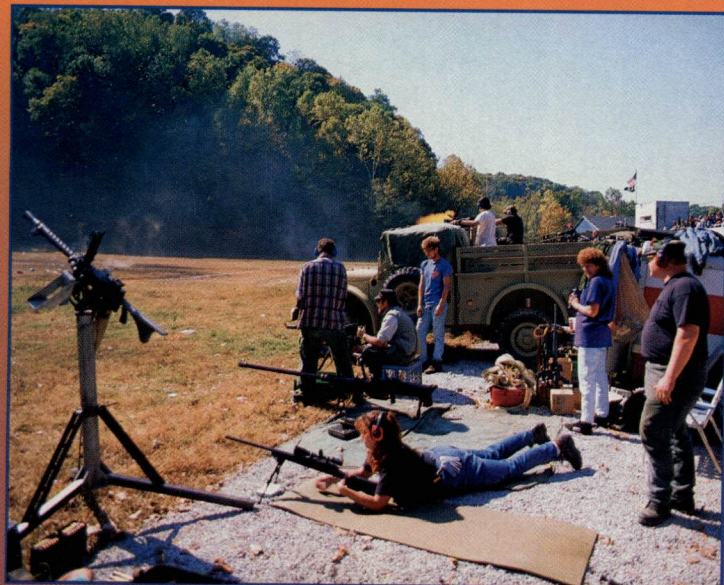


John Henry "Doc" Holliday. Photo courtesy Roy Goble collection.





# Gunmen, Then and Now



camping field and cranked up. As they motored around the corner of the range house, I threw up a hand in the affirmative. I made a mental note that Joe Wheeler would have been proud to have commanded men such as these.

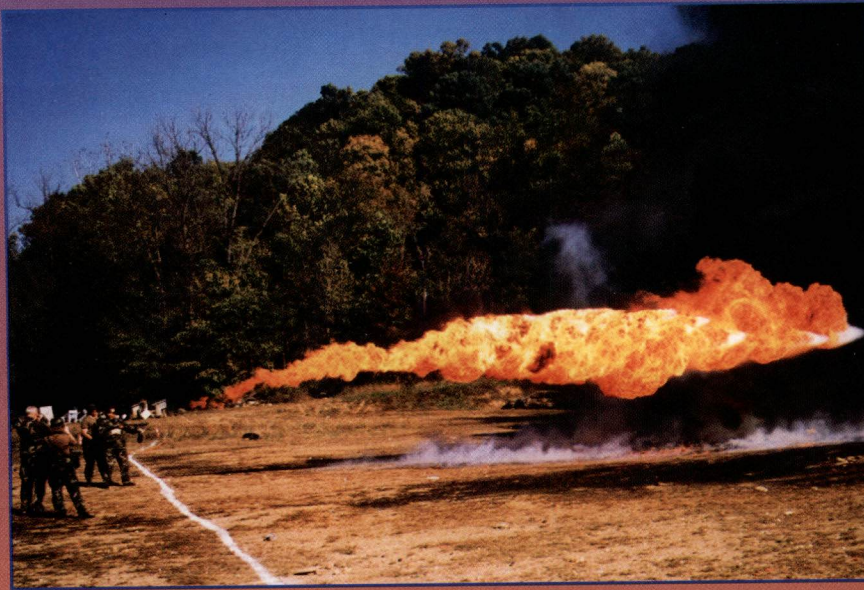
Later I located Mike Free and congratulated him on the recent triumph at the NRA National Convention. Mike

Free, with kudos to Jim Warren and Bill Douglas, stands as one of the most informed and astute Thompson collectors in this or any other country.

Mike, Tracie and Donna Hill, and Jim Poff took the convention by a storm. Their Thompson exhibit captured the Outstanding Exhibit Award. Mr. Neal Knox personally presented the award.

Mike stated, and Tracie Hill echoed the next day, that their Class 3 exhibit received a number of compliments and a very enthusiastic response. Mr. Free told Mr. Knox that his presenting the award meant more to him than winning it. Mr. Neal Knox has stood up and been counted not only for Thompson people but for all of the Title 2 world.





## History and the Unchanging Ways of the Creek

The first time I came to the Creek, what is now the range house was the main show area. Builders hadn't finished the roof; the rain came through the sides. In the first hour, I learned that history and knowledge permeate Knob Creek. The following gives one example. An elderly man and I admired a beautiful Benet Mercie on Kent Lomont's table. The gentleman asked Mr. Lomont if he could pick up the machine rifle. Kent nodded yes and went to talk to another customer. This man almost burst into tears when he hefted the ancient rifle. His confident manner suggested that he knew the big rifle quite well. I asked him about it. He talked of carrying the machine rifle in the AEF. He said the '09 had its moods but, once you learned its ways, the Benet Mercie held its own. He talked of his now gone comrades in arms back in 1917. With that old gun, they had made the Germans pay for every inch of ground in Flanders Fields. The Benet Mercie deserved most of the bad press it got when Pancho Villa invaded Columbus, New Mexico (see Benet Mercie article, *MGN* March 1990). With a Knob Creek conversation, I came to view the '09 in the way that the old soldier did—in the context of its time. The Benet Mercie served well in competent hands in 1909 and nine years afterward. I have not seen the old soldier since. Perhaps he has rejoined his comrades. Wherever he is, I hope that he is well.

Several years later, Kenny Sumner pulled down the Mash Unit tents and built the pole barn. Before he expanded the pole barn, the following sequence of events took place. This sequence speaks volumes about what makes Class 3 people different from the regular gun community. A fine gun writer, unfamiliar with the Title 2 industry, came to Knob Creek for the first time. Line Captain Homer Saylor declared the line hot and sent his men patrolling the fire line like Rangers on the Texas border. "Be safe or Be gone!"

Seeking knowledge, the gun writer went to the Lomont tables. He struck up an intelligent conversation with Mr. Lomont (there is no other kind with Kent Lomont). Suddenly, a man ran off



the firing line and into the pole barn. He slammed on the brakes between Bob and Kent's tables. He then yelled, to no one in particular, "I need a barrel for an MG34!" A man about two tables back yelled back. "I think I've got one!" The man dove under his table and fished around in some storage crates. He snagged his quarry and emerged triumphantly. He then lofted the MG34 barrel like a javelin toward the line shooter who caught the barrel, pivoted 180 on his heels, and ran back out on the firing line.

As the shooter disappeared into the crowd, the writer came unglued. He asked Mr. Lomont if he had seen what just happened. Kent nodded yes. The writer expressed great concern that the dealer didn't seem to know the guy. Kent saw no problem. The writer pointed out that the dealer hadn't gotten a receipt. Kent remained just as confident as the man who threw the barrel that the recipient would either bring it back or pay for it. They proved correct. The writer, like L. Frank Baum's "Dorothy," realized he wasn't in Kansas anymore.

At this shoot, I made two interesting discoveries at one of the small booths away from the pole barn. First I found a man who had converted the Jap 99 LMG to both .308 and 762 x 39. In 762 x 39 the gun took stock, unaltered AK magazines. With a hundred-round drum mounted on top, the maker stated, "the Jap 99 became a very interesting gun!"

Later that day, I wandered over to the Navy Arms truck to talk to Paul Reed about some .30-06. On the way to see Mr. Reed, I thought of Bill Monroe and the great man's passing. This story comes from the time when the Knob Creek shoot was much smaller than now. To those new to the Creek, there exists a system of dating as to when you first came. Kenny Sumner adds something new each year and the improvements serve as a chronology. The Little Fat Guy claims he was there before they had guns. Many can state that they once browsed the MASH Unit hospital tents where the pole barn now stands. Others date themselves to before the paving around the Range House. Some of us remember when the words of Bill Monroe came to the Creek.

The Man from Rosine once listed in

his string band the equally immortal Lester Flatt, Earl Scruggs, and Chubby Wise. Mr. Monroe gave to the world the mountain music of Kentucky. He called it bluegrass! In KCR's storied past, an unknown band set up its instruments

at about the spot where Paul Reed now parks his truck. Like Elvis and Patsy Cline before them, The Kentucky Headhunters carried Bill Monroe's words and blessing to national prominence. For all who rejoice in Mr. Monroe's wonderful music, some of us remember a special Saturday night in Kentucky when "...you could hear it talk,...you could hear it sing!"

#### Y'all Come

Vida and John Ford called a writers meeting at the lower range on Friday night. Dan Shea opened the meeting and we discussed many things. I take great pleasure in meeting and talking with the many fine writers who have worked so hard to make *MGN* what it is today.

The highlight of the meeting came when Vida Ford announced the *MGN* 10th Anniversary Show and Shoot. Our magazine celebrates its first decade in 1997. Kenny Sumner gave his full support and offered the services of Knob Creek Range. The event will take place Friday through Sunday—the weekend of May 23, 1997. John and Vida Ford will throw a party and invite the family—our readers. On the weekend of May 23, 'Y'all come and see us!' For those not of Southern culture, the following translates the preceding Piedmont shorthand phrase: "We have prepared a place for you. It is our heartfelt wish that you would come and honor us with your presence." In short, when we roll out the welcome mat in May—y'all come!

#### Good People of Kentucky

John Disney picked me up in a golf



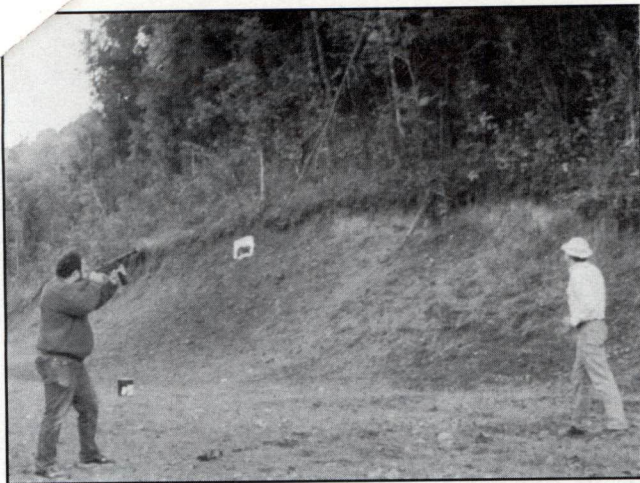
NRA 1st. Vice President Neal Knox presents Michael Free and Tracie Hill with "Award for Outstanding Exhibit" at NRA's 1st Annual National Gun Collectors Show & Conference held in Nashville, Tennessee, September 19-20, 1996. Free and Hill's exhibit of Thompson Submachine guns, their history and related accouterments won second place in overall competition. Photo: Frank Horak.

cart and drove me back to the range house. On the way back we talked about manners and history. I told him that about the first person I met at the Creek was Kenny Sumner. Mr. Sumner's hospitality has never been short of gracious. I confessed to having always enjoyed the friendliness of the good mountain people of Kentucky.

Then we got into history. I told John that I was assembling the early background history for a documentary by Roy Goble and Jimmy Hammett. The film focuses on the life and times of John Henry Holliday. The Doctor came to earth in my home town and is a distant relative. Doc Holliday listed four surnames in his family tree — Burroughs, Holliday, McKey, and Fitzgerald. This writer comes from the Burroughs line. Margaret Mitchell was a Fitzgerald. I then asked John if he knew of Philip Lightfoot Lee of Shepardsville, Kentucky. John did. Readers who do not will find the following interesting. I found some of this in the excellent book *The Orphan Brigade* by William C. Davis.

At the outbreak of the Civil War, Philip Lee declared his allegiance to Bullitt County, Kentucky and Shepardsville. He joined and became part of the officer corps of Kentucky's famed Orphan Brigade. Though often thought of as a mounted unit, they didn't acquire horses until 1864. After the battles of Atlanta and Jonesboro, the Orphans





John Ross with Suomi breaking the clays tossed by Tim Mullin.



The author researching Melvin Purvis' Chicago machine gun squad by shooting the firearms the Monitor and FND which was provided by John Ross.

marched south to Griffin, Georgia. There they procured their first horses. The heroic Kentuckians mounted their horses and rode north against a southward advancing tentacle of the Union Army. The Orphans stopped Sherman's men dead in their tracks at Bear Creek Station. They fought an epic battle around what is now the town of Hampton, Georgia. With that battle, the Orphans saved the Confederate hospitals at Griffin and spared the town of the then twelve-year-old John Henry Holliday. With Griffin's horses, Col. Philip Lightfoot Lee finally knew that the Orphan Brigade would once again see home. As I exited the cart, I told John Disney that I had many reasons to like the good people of Kentucky. Now I had one more.

### The Writer's Challenge

John Ross, author of *Unintended Consequences*, did a brisk business autographing copies of his novel now in its second printing. Mr. Ross received many words of praise from his readers. John kindly brought his Monitor built from an FN30 receiver and an FBI parts kit. This kindness will greatly aid my research.

During a rare quiet moment, John Ross asked an interesting question. He first referenced the passage from his book where one of his characters shoots clay pigeons with a machine gun. John strove for and succeeded in authenticity in his book. He staked out a seventy year span and chronicled true events in the gun culture. Though he invented dialogue in places, every gun-related event rings true. Either John did it,

knew of it, or knew someone who had. He asked what I thought of the clay pigeon passage. I told him that I had seen my father handle a Thompson gun (see Chapter 16, *Thompson: the American Legend*). I knew that it could be done, thought nothing of it, and read on.

John stated that several readers had challenged him on the clay shooting passage. He then pulled out a beautiful Suomi submachine gun. John stated that he was going to take this father of the PPD 40 and answer the challenge. Just before the third night shoot, John Ross shouldered his gun and marched toward the line. Tim Mullin, author of *The 100 Greatest Combat Pistols*, hefted a box of clays and followed John. I brought up the rear and went to Mike Free's slot to get a front row seat. We are not going to tell the readers that John Ross broke every clay. He didn't. We will tell you what Mr. Ross did do. Anyone in the large assembled crowd will state that they saw John Ross break seven in a row. Jim Bonis caught it on film. So much for critics.

### The Maxim Conversations

The word "brass" sums up the most impressive things seen at Knob Creek In October. I speak not of the brass on the ground. That rested there in its usual enormous quantity. I speak of the brass that formed the heart of two guns. On Thursday morning as I steered left toward the back of the Range House, the first of these guns caught my eye. Out of eye's corner, the glimpse looked as if Rich Pugsley had set up another one of his fine 4570 Gatling guns. A head turn later, I realized there was

something wrong with this picture. In Rich's case, it was something very right. The back of this gun looked like half of a 55 gallon drum made of solid brass. Rich had fabricated a brass-mounted revolving cannon mounted on a full wooden carriage. The mass of it deceives the eye. This behemoth weighs 3000 pounds. It fires as fast as the gunner can turn the handle and the loader can keep up. We offer well-deserved congratulations to Thunder Valley Arms. (See article in March 1997 MGN.)

As I checked out of the Range House, another brass beauty caught my eye. It sat on the front left corner of Robert Landies' Ohio Ordnance tables. Mike Krotz busied himself setting up an '18 DWM 08 on a sled with an Emil Busch scope. While I waited for Bob Landies to finish the parts bin at the back, I looked over his display on the Ohio Ordnance 1918 A3 semi-only BAR. The portrait of John Moses Browning carried these words "The Old Made New Again." Next to the portrait, Bob placed a large multipaged notebook telling the story of the A3. The book displayed patent drawings and the receiver manufacturing process. Most impressive was the part-by-part comparison of the closed-bolt semi with the open-bolt full-auto 1918 A2 BAR. Below three fine A3s Bob displayed the excellent MGN and October *Guns & Ammo* articles covering the A3. As I looked them over, Bob came forward and asked what I was doing. I told him that I was reading his fan mail.

I then asked about the brass Maxim



sitting on the corner that Mike Krotz was now polishing. I saw one of these about eight years ago and this one was better. I welcomed the opportunity to talk to someone as knowledgeable as Robert Landies about this historic weapon. Bob smiled warmly as he talked about this gun. He stated that it was one of two hundred 1898 brass Maxims made for the Argentine government. In 1909, Argentina sent the guns back to DWMA. The German craftsmen

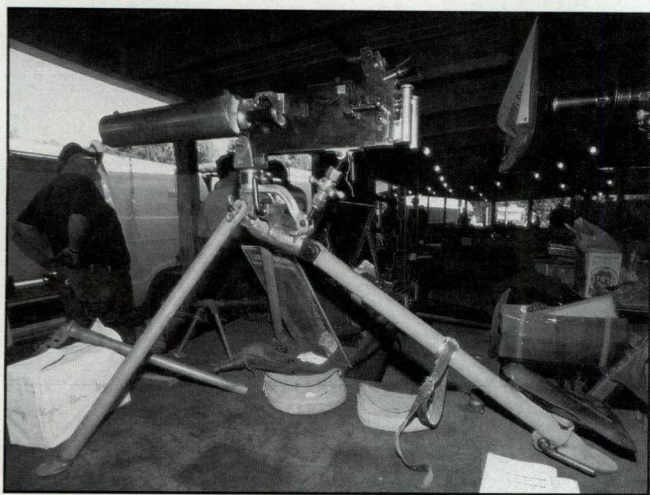
converted the guns from the old round nose bullet to the modern 7.65 Argentine Spitzer. DWM cut off the front part of the sight and modified the feed block to accommodate the modern round. The gun still carried the original Zeiss telescopic sight. Bob then read the serial number of two digits.

Early on Saturday night, the noted Second Amendment Attorney Mr. James Jeffries came to Knob Creek. Framed by the 1898 and the 08 Maxims,

Mr. Jeffries talked to Vida Ford, John Ross, Tim Mullen, et al about pending gun cases. Afterward, Mr. Jeffries came around, pulled up a chair, and we talked one on one. We spoke of many things. We both expressed our great respect for the solid people that make up the Title 2 world. We both praised the absolute integrity of

so many Class 3 people that we knew. Then Jim Jeffries made an encompassing gesture with his powerful hand and stated the following, "You take this square mile around here (The Knob Creek Gun Range). During these three days there are more honest people in this square mile than in any other square mile in America!" To which this writer added "and honorable, too." The able lawyer nodded in the affirmative.

Our entire conversation brought to mind some of Ted Nugent's recent words: "We are the good guys. We are the strength of this nation." Mr. Jeffries and I shook hands and departed, each to our separate ways. As we did so, I made a mental note to pass on what one learns in the proximity of an ancient brass Maxim gun. Should anyone have the privilege of encountering Mr. James Jeffries at Knob Creek Range or in any other place, they should do the following—shake his hand, thank him, and wish him God speed. This fine man speaks wonderfully for us in an arena for which he is superbly trained. This noble barrister labors tirelessly and well on behalf of us all.



The ancient Argentine brass Maxim of Mr. Robert Landies.



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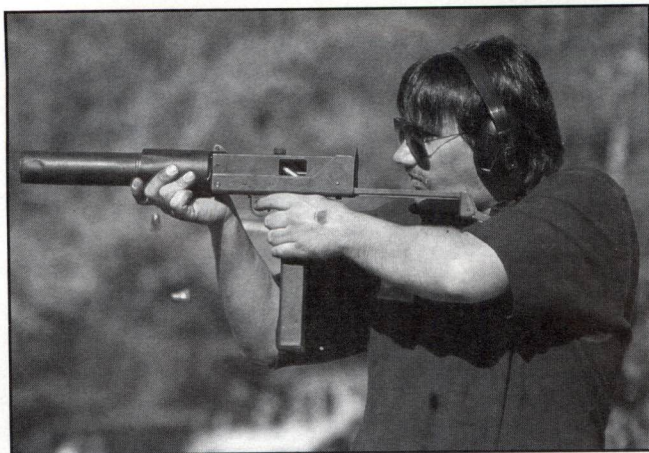
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Unidentified shooter with a MAC-10.



Jim Ballou shooting a full-auto Glock.

### Side Plate Sensibility

I come to the Creek with a number of questions for the dealers from the emma gees in Georgia. The following recounts one such lively conversation. It also tells of the educational aftermath.

A friend and I were talking Sterling guns when Mr. Irv Kahn came by and took a chair. The conversation got ever the more lively. When the subject moved to Browning guns, the dealer pointed to an A-4 hanging on a high mount. He explained that he had just assembled it from a registered side plate and asked if Mr. Kahn and I wanted to shoot it. We answered in the affirmative. Mr. Kahn dismounted the A-4, threw it over his shoulder, and headed for the main line. My friend gathered some ammunition and we brought up the rear. Mr. Kahn dismounted his A-4, installed the new A-4 on his 17 mount, and checked the head space. He then checked the timing for the 8 mm gun.

The new gun did not pass muster. Mr. Kahn tore the gun apart and slightly bent the front of the trigger. He reassembled the gun and still found it "no go." He repeated the process three more times before the new gun checked out. Mr. Kahn explained that he had employed an armorer's technique not included in the field manuals. He stated that one should do this very gradually and with the utmost caution. I should state that the four tear-downs took very little time in the hands of this skilled man. Mr. Kahn admonished that should anyone have doubts about what they are doing with this technique, they should consult a Class 2 professional.

Homer Saylor announced the next

shooting session on the line. Mr. Kahn belted some 8 mm and waited for Homer's signal that the line was hot. Once the line heated up, the Browning functioned well. We all took a turn. Mr. Kahn gave both of us an interesting lesson on the care and feeding of the venerable Browning A-4. People find many ways to spend a Friday afternoon. I prefer taking lessons from two knowledgeable friends.

### The Yugo Dog House

On Saturday night, I found myself talking to Paul Anagnos and looking over some Browning tripods. My friend Bob tapped me on the shoulder and said hello. About seven years ago we spent a wonderful afternoon shooting his MG42/MG3 off Kent Lomont's Lafayette tripod. He stated that he caught Edward Lee's article on the Knob Creek Range in "American Survival Guide." He said that Edward had acknowledged this writer for some lessons in history and asked what we talked about.

I told Bob that we talked of many things but mostly of the geopolitics in former Yugoslavia. We concentrated particularly on the politics revealed by gun knowledge. I showed Edward a Lafayette mount and explained that the Yugoslavs now made their own. With 35 divisions, including two SS mountain divisions (the Prinz Eugen and the Nord), Hitler invaded the Yugoslavia. Josip Broz Tito, a

Croat, led his Serbian Partisans so well that in six years the Little Corporal could not conquer the country. Hitler had his hands full with a little island nation smaller than the State of Alabama. Its proud people did and still do call it England. In Yugoslavia, Hitler's minions chasing Tito and his Partisans enjoyed the same level of success as did Phil Sheridan's men chasing The Grey Ghost and his Rangers in *Mosby's Confederacy*. They caught sight of their enemy very seldom and they bled an awful lot.

With the redivision of Yugoslavia after Tito's death, the Croats once again unfurled the checkerboard flag



John Singleton Mosby. National Archives (NA photo).



that they hoisted when they allied with the Nazis. Only Christiane Amanpour has reported this. The CNN reporter didn't have the benefit of Steve Hyde's research and did not adequately explore the Bosnian Muslim and Nazi connection. The Muslims formed two voluntary SS Divisions (the Kama and the Hanstadt) to assist the German and the Croats in murdering Serbs by the tens of thousands. They donned the SS fez, red for dress and grey for battle. As a picture is worth a thousand words, Steve Hyde lent us a grand or so.

Some view the shameless cheer leading for the slow-motion train wreck that is our foreign policy as conspiracy. They should not. They should view it as the dumbing down of journalism. Reporters and anchors today do not measure up to Douglas Kiker, Pauline Frederick, or Edward Roscoe Murrow. They often do not do their homework and merely read the TelePrompter. On Bosnia, Ms Amanpour proved an exception. Slobodan Milosevic said in Kosovo, "We do not shrink from battle...we are not afraid...we enter every battle to win." Bosnia is like the Kennesaw

Mountain only it is 250 miles long. Hopefully, American soldiers will not have to test the resolve of his people. Milosevic, the Lion of Belgrade, correctly characterizes some of his enemies as Nazis. His people bought his right to say it with their innocent blood in 1939. As was said to Edward Lee nearly twelve months ago, gun origin and gun history forces us to ask the following question about our Bosnian policy. If the Serbs are the bad guys, then who are the Croats and the Muslims?

As we examined a W W II Lafette, I explained to Edward that the Yugoslavs so loved their captured MG42s that they began making their own when the Nazi guns wore out. They now feed their MG42 clones with some of the finest 8 mm on the planet. The Yugoslav Lafette is an improved version of the Nazi rig. Then we got into network anchors who sleep at the wheel. I told Edward that over the last two years I had seen four DShK 38/46s on Chinese high mounts in network footage. I explained to Edward that these guns could have only come to the East coast of the former Yugoslavia through Iran. Now the network



Muslim Nazi Fez. Photo courtesy Steve Hyde.

anchors wax all atwitter that someone in the Administration winked and shook the craven hand of our enemy.

The reporters should have just turned around when they filmed their dramatic walking shots. If they had, they would have known this treachery two years ago. A number of people who come to Knob Creek knew it. Many of us long ago adopted the habit of ignoring the talking heads and examining the ordnance behind them. Looking behind reporters often teaches the knowledgeable much more than listening to them. Lack of gun knowledge has recently made the network anchors appear shallow and stupid. Network executives

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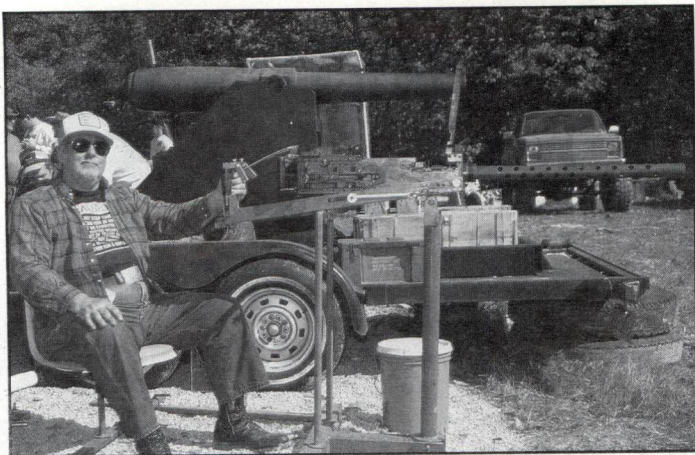


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One of the more comfortable ways to shoot a belt-fed gun at Knob Creek.



Young shooter with a Thompson.

made the network anchors appear shallow and stupid. Network executives reading the PEW Report now have some grasp of the concussion a Dishka produces on the Knob Creek or any other line. The Bosnian case instructs us in the root cause of network decline. Simply put, the viewing public knows much more than news directors think that they do. With the exception of Ms. Amanpour, their reporters do not favorably compare to Edward R. Murrow anymore.

I told Bob that I regretted that no one had a Yugo Lafette when Edward Lee came to the Creek. I then stated that Kent Lomont displayed one on his table at this shoot. We strolled over to take a look. As Bob examined the Tiefenfuer, I excused myself and went to the range to lay down some brass with Tim Mullen and John Ross. When I returned, Kent Lomont and Bob were on their knees folding the Yugo tripod. Bob had bought it. I felt that when Bob brought his prize home, we would all three be in the dog house. Then I thought that there might be salvation for us after all. Our redemption might rest in the fact that Bob's wife can probably out shoot all three of us with an MG42 on a Lafette. On reflection, I remained confident that Bob, Kent, and I may be granted forgiveness by a kind and understanding heart somewhere in Ohio.

#### Parting Shots

I kept the Sunday dinner appointment with the Alabama Cavalry. The Sten gun, the Thompson people, the 16s, and the Boyes rifle all gathered around the camp fire and dined as well as anyone in Louisville. The intelligent conversation rated easily as lively. We

talked of Pretty Boy Floyd, Frank Hamer's hunt for Bonnie and Clyde, and of the Chicago machine gun squad of Melvin Purvis. It was close to midnight as we shook hands, promising to return in springtime.

On Monday morning as I crossed the Salt River, I knew two things could be chipped into stone. In Kentucky, I had been privileged to be among some of the finest people on this earth. In Georgia my favorite competitor, John Smoltz, would soon hold the award he so richly deserves—Cy Young. Upon accepting this article assignment, I told Mrs. Ford that I would let the reader climb on my running board and ride with me for a while. We would see the sights. We would learn something of the people and history that make Knob Creek so special. In the preceding, hopefully success has met assignment.

I would be remiss not to close with something I wrote for NFA's fine editor Ken Dunham. It tells of the last six at Knob Creek on a past Sunday evening. All others had departed earlier. Except for two men cleaning around the pole barn, only we six remained. Five of us gathered around a friend who worked with an A-6. One counts oneself fortunate who can watch a man totally one with his weapon. This man belted and handled John Browning's reliable gun with a coolness and grace that I had seen before. He exhibited the same soldierly precision with that honored gun that my own father did at Bastogne. I knew that I would tell my father about this man and his gun, knowing that he would smile. I was correct.

An old Georgia Cherokee woodland riddle best describes the picture of this

able man with his historic weapon. The riddle's answer is known to fellow Georgian and MGN writer Steve Hyde. It would have been known to the Adairsville gunman known as Pretty Boy Floyd. The riddle goes like this. How do you tell the difference between a black snake and a water moccasin? The answer is: when you see the moccasin, you'll know. People should have to pay to watch such a man handle a gun. At Knob Creek, if you know what you are looking for, you can watch more than one for free.

At Knob Creek, you will find your own path. The Knob Creek Shoot combines exhibits, competition, and history. The sum of these parts totals something more. Taken in total, this living museum serves as a reminder. Every April and October brings us that reminder for just three days. For those three days, Knob Creek restates three things to us all. Simply put, the gathering at Knob Creek reaffirms what we were, what we are now and what we forever shall be.

#### Sources:

Paul Reed, Navy Arms  
689 Bergen Blvd,  
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201-945-2500

Tim Mullin,

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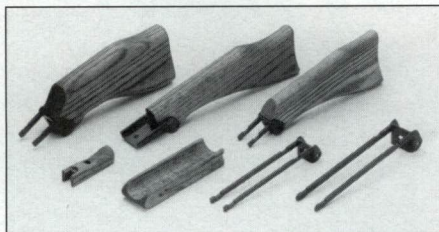
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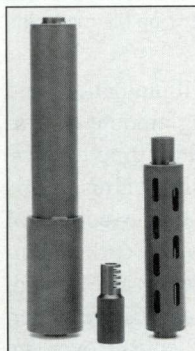
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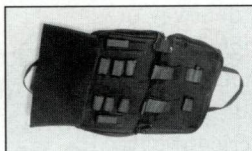
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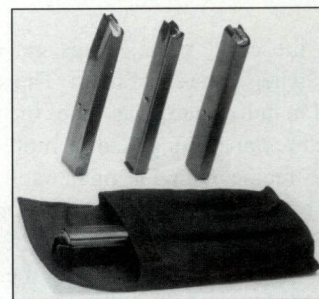
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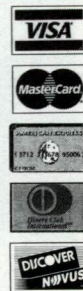
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# Reactor Room Redux

## Fall 1996 Knob Creek Subgun Match

by Dan Varner

Photos by Ed Varner



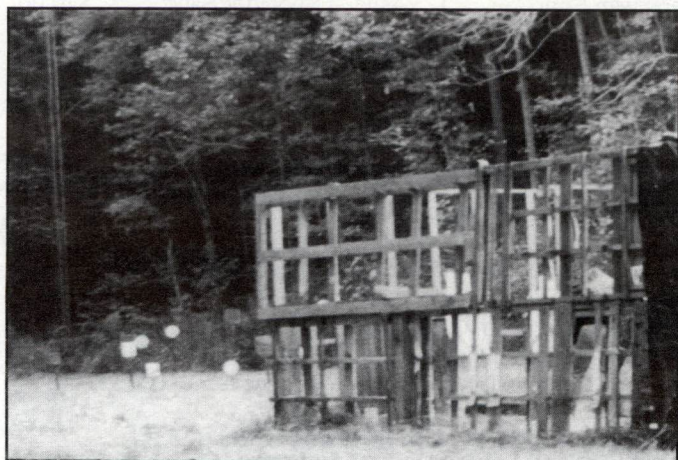
Match Winner Fred Watkins on his run to the top.

Like chili, some things get better when you reheat them. The spring match stage was one of them. Mike Freeland brought some more spice to the recipe with his pneumatic horizontal slider. The starting position was seated about twenty feet from the front door. On the beep it was to the front door, then stepping on a large pedal to activate the pneumatic slider. The first push brought the target out of hiding from behind a no-shoot and to the left across a series of no-shoots. Travel time for the slider was five seconds. If the shooter needed to reengage the target, another push on the pedal caused the target to retrace its path in the opposite direction. Then a big step to the right and to the reactor room again. The shooter would place the muzzle of the gun through a hole in the wall and fill the room with indirect fire, skillfully avoiding the no-shoots in there, while observing the process through a lexan window. Low red lights and a flashing

red strobe provided illumination and ambiance. A surprising amount of ammo was expended on this string to overcome three IPSC silhouettes. This would come back to bite a couple of shooters later on. Out of the dark and into the light, a turn to the left and through the door to meet our aggressive slider. Even a Dale Carnegie course over the summer hadn't helped this boy. You would push the door open and here he comes at you, and still carrying a hostage, right across a room filled with, you guessed it, no-shoots. Once again the two techniques were stand and shoot from the doorway or charge right in. Although, during one of the walk-throughs I was queried if bayoneting would be an acceptable solution? Truly an original thought but not in

keeping with the course objective. At last the shooter was at the back door to face Mr. Flipper and the forest of steel. To the right were nineteen steel plates of varying size at distances of forty to one hundred and some feet, liberally seasoned with no-shoot steel. Just like chili, some folks ate it up, others got heartburn or in this case, premature post-ammo letdown. Off to the left, tanned, rested and ready, Mr. Flipper now activated by either pepper popper to his side.

The match actually launched on time (another Knob Creek first) but started to



### KCR OPEN SUBGUN MATCH OCTOBER 1996

|                      |       |       |
|----------------------|-------|-------|
| 1. FRED WATKINS      | 54.13 | MP5   |
| 2. LARRY BANKS       | 57.09 | MP5   |
| 3. JEFF ELLIS        | 61.08 | MP5   |
| 4. M.G. SAWYER III   | 62.05 | UZI   |
| 5. MALCOME DAVID     | 66.56 | M16-9 |
| 6. TOM CARPENTER     | 72.10 | MP5   |
| 7. DENNIS VEST       | 72.52 | MP5   |
| 8. MITCHELL MAXBERRY | 74.64 | UZI   |
| 9. WILLIAM TURNER    | 76.51 | MP5   |
| 10. TONY MURRAY      | 82.06 | M16-9 |

### KCR CLASSIC SUBGUN MATCH OCTOBER 1996

|                   |        |               |
|-------------------|--------|---------------|
| 1. JIM WEAVER     | 73.24  | SWED K        |
| 2. JOSEPH CARRERE | 84.00  | PORT SAID     |
| 3. RED WATKINS    | 92.29  | PORT SAID     |
| 4. WAYNE WOODCOCK | 93.34  | THOMP 1928    |
| 5. ROY STEELE     | 97.75  | PORT SAID     |
| 6. MICHAEL MILJAN | 131.16 | THOMP M1A1    |
| 7. S. JOHANNESSEN | 134.48 | THOMP 1928 A1 |
| 8. JON WOLOSHIN   | 148.52 | MP40          |
| 9. RALPH GILL     | 152.19 | UNK           |
| 10. BRAD GROEHLER | 183.82 | PORT SAID     |



run behind when the first two shooters had to reshoot due to malfunctioning guns. There were noticeably few problems with the props this time, especially Mike's pneumatic slider, which functioned flawlessly for the two days. But I've never seen so many tied up guns at a match. Eventually reshoots ran us long for the day and some of the shooters in squads six and seven as well as some dog-tired R.O.s elected to shoot the course the next day. By noon Sunday every one had shot for scores and the winners were Fred Watkins first in open and overall with a smoking 44.13 second raw time. One insufficient added ten seconds, which still beat Larry Banks 57.09 clean run. Boy that old man sure can run. Jeff Ellis was third, and bringing an Uzi into the top five, Mr. M.G. Sawyer. Past match winner Malcomb David's raw time was almost as fast as Fred's but one missed and one no-shoot pushed him back to fifth. Tom Carpenter and Dennis Vest were sixth and seventh respectively both having tangled with no-shoots, Mitch Maxberry, sans his bayonets, closed out the top ten percent in open class. Classic class became the tube guns verses the Thompsons. Jim Weaver's clean run beat out the faster by the slightly flawed run of Joe Carrer for first. By comparison to his open class run, Fred Watkins strolled through for third. Wayne Woodcocks fast footwork and one big drum mag technique, were undone by a couple of errant shots to push him back to fourth. Roy Steele capped off the top five classic. Kim Scofield backed up her spring win with a redux of her own over Lyn Oberts slightly faster but less clean run for top woman shooter, both dispensing lead with MP5Ks. Carol Lytle edged past MGN's Lucy Bright for third.

Undoubtedly this was one of the most gratifying matches we have ever put together. As always the credit goes to the range officers and the range crew who actually make the wheels turn.

What would you like to shoot at this spring? How about an all steel speed match? Get them running shoes ready, and yes we have a rain contingent. See you at the creek.

Knob Creek Gun Range  
690 Ritchey Ln, Westpoint, KY 40177  
(502) 922-4457

MGN



## **J. Curtis Earl, America's oldest and most respected Class 3 Collector/Dealer is selling his inventory.... Machine guns and related items... Lots of 'EM!**

All are now in stock, and all are transferable to individuals & dealers.

**Note: I do not deal in "Dealer Samples," "Side-plate guns," "Registered bolt" or "Drop-in sear" guns. I sell quality only! My inventory is 98% One-Owner or Brand NEW guns...Not worn-out junk passed between many owners & hard usage.**

**I am now offering nearly 500 NFA registered and transferable items for sale, like...Thompsons...Lots of 'em! Over fifty (50) '21 and '21/8 Colts, some really rare issues; plus two mint '27 Carbines, plus a few original Military Contract '21/8 Navys with all the correct parts and wood. Also, over fifty Savage and Auto. Ordnance military '28s and '28-A1s and a few after-market new M1's. (Note that most of my "shooter class" and all my vintage WW II M1s and M1 A1 guns are long gone. Sorry.)**

Lots of original COLT parts and accessories in stock too. Nearly 200 original drums are offered: Twenty-three 100-rd. "C" drums, and about 180 50-rd. "L" drums of all makes and descriptions...some rare and some super-rare.

Also in stock, by quantity: (7) Lewis Guns; both Savage and BSA in both ground and AC mode; (16) Maxim '08 and '08/15 guns; (4) Early commercial 1917 .30-cal Browning Water-cooled guns from San Quentin and Folsom Prisons; One extremely rare, unfired and mint Australian Vickers .303 (with smooth water jacket) on a Colt receiver; (2) WW I Vickers 11 mm AC guns for your vintage war-bird; also a rare Jap 50 AC (Browning copy); One each German and Jap MG 15 with saddle drums; (7) .30-cal. AN-M2 Brownings, both "free" and wing guns by Colt and other makers, and (2) British .303 AN-M2 types, one ground adapted, one AC gun; (17) .50-cal. Brownings by various WW II Makers in M2, M2-HB, M-21 water-cooled (Tora-Tora) gun and mount, and M52 Colt water-cooled (Brownings first .50) (All M21s and M52s are Colts, and are new, unfired, mint.) (1) .30 Browning 1917-A1 Water-cooled; (2) German WWII MG42s, brand new, unfired, mint! \$10,500 ea; one each French Hotchkiss on Mount, an M.G.M. movie gun in .30-06 blank; another stock 8 mm Lebel with Tripod; One each mint, brand new, unfired NATO .308 AR-10, and .308 NATO FN-FAL; (13) Reising M50 .45 cal. SMGs, some brand new in original cased sets; (9) Jap M96 and M99 LMGs; (1) Jap Tanker Type-97 7.7 mm MG; (7) German MP44s and (11) MP40s; one each German MG81 Single, and Twin; One new Valmet M71 .223 \$3,750; (3) New U.S. ArmaLite AR-18s NIB @ \$4,000 ea.; (7) TEC-9 9 mm full-auto NIB \$850 ea.; or \$1150 with Nib MAC suppressor; (16) original Cromwell MAC-10s in .45 @ \$975, and 9 mm @ \$1250. Orig. Suppressors, w/gun add \$300, all NIB; NIB IMI Uzi pistols \$3,250.

**SPECIAL!** Colt M16 (AR-15) 9 mm "Shorty" select fire. NIB \$4750 ea.

**SPECIAL!** Beretta AR-70, select fire .223 NATO, unfired, mint, NIB w/two mags, manual & sling. Transferable. \$5,000.

Ask about (5) all different wheeled cannon, w/ample ammo; 20 mm Lahti and Solothurns, w/ammo; and several mortars available, all "shooters," all CR status.

And Tons of parts and accessories. Inquire to your needs...like a drum mag. for a German FFM cannon; a .30-06 mag for your Chau Chat; a twin Lewis mount for your WW I AC; new Scorpion holster & kit...etc., etc., etc.

**Shop before you buy! But I can give you the most for your money!**

**Remember, most of the above are either brand new or one-owner guns.**

**My prices are based on individual condition and desirability and omitted prices here are due to individual differences in guns listed.**

**INQUIRE!** Phone, or write your needs!! (Enclose a SASE for answer please.)

**J. Curtis Earl ○ 5512 N. Sixth Street.  
Phoenix, AZ 85012. ○ (602) 264-3166**



# Archive Photo

from the  
Robert Bruce  
Collection



## India 1942

"U.S. troops somewhere in India teach Chinese fighters the use of modern weapons. Chinese soldiers practicing the sighting device of the British BREN machine gun." The versatile BREN was perhaps the best light machine gun of WWII. Based on a 1920s Czech design, it featured a quick barrel change, 20-round detachable box magazine, and a simple and reliable mechanism. This gun is pictured on an anti-aircraft riser tripod. Copyright © 1997 ROBERT BRUCE PHOTOGRAPHY. Credit: U.S. Army Signal Corps, National Archives. *Note: Robert regrets that he cannot handle individual requests for photographs. However, publishers and documentary film makers, 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.***



## M1, M2 CARBINE

|   |         |
|---|---------|
| Bolt, complete, flat or round                       | \$49.95 |
| Bolt tool, G.I. (a must for taking your bolt apart) | 34.95   |
| Disconnecter block, G.I.                            | 17.95   |
| Disconnecter lever, G.I.                            | 34.95   |
| Flash hider, G.I. M3                                | 74.95   |
| Gas piston wrench (very handy)                      | 9.95    |
| Sear: M1  | 6.00    |
| M2  | 9.95    |
| Slide: M1   | 30.00   |
| M2  | 49.95   |
| Trigger housing, stripped M1                        | 29.95   |
| M2  | 49.95   |

We have many marked parts in stock.  
Send your want list for a quote.

## M14

|                           |         |
|---------------------------|---------|
| Bolt, complete            | \$59.95 |
| Bolt, stripped, T.R.W.    | 39.95   |
| Gas cylinder              | 24.95   |
| Gas cylinder, N.M.        | 54.95   |
| Gas piston                | 9.95    |
| Rear sight, complete      | 34.95   |
| Rear sight base N.M.      | 39.95   |
| Rear sight aperture N.M.  | 29.95   |
| Stabilizer, G.I.          | 49.95   |
| Trigger housing, complete | 94.95   |

## .45 AUTO

|                      |         |
|----------------------|---------|
| Barrel               | \$34.95 |
| Barrel bushing N.M.  | 7.95    |
| Disconnecter         | 7.95    |
| Sear                 | 6.95    |
| Slide G.I.           | 84.95   |
| Slide stop, extended | 17.95   |

## M79

|                                 |          |
|---------------------------------|----------|
| Buttstock, beautiful new walnut | \$ 64.95 |
| Extractor                       | 49.95    |
| Forearm, walnut                 | 14.95    |
| Hammer                          | 84.95    |
| Rear sight                      | 249.95   |

We still have in stock some nice collector M1 Garand parts!

## OP RODS

|                 |          |
|-----------------|----------|
| H.R.A.          | \$ 84.95 |
| I.H.C.          | 84.95    |
| R.A. Nat. Match | 59.95    |
| SA              | 39.95    |
| W.R.A.          | 124.95   |

## BOLTS, COMPLETE

|        |         |
|--------|---------|
| H.R.A. | \$74.95 |
| I.H.C. | 74.95   |
| S.A.   | 39.95   |
| W.R.A. | 54.95   |

## TRIGGER HOUSINGS

|   |          |
|---|----------|
| H.R.A. (all H.R.A. parts) (mixed parts) | \$109.95 |
| I.H.C. (all I.H.C. parts) (mixed parts) | 79.95    |
| W.R.A. (all W.R.A. parts) (mixed parts) | 94.95    |
| S.A.                                    | 64.95    |
| T-37 flash hider, original, new         | 94.95    |
| Butt plate, new                         | 17.95    |
| Gas cylinder, new                       | 84.95    |
| Gas cylinder, good on gage              | 39.95    |
| Gas cylinder lock, new                  | 9.95     |
| I.H.C. hammer, new                      | 19.95    |
| Trigger guard, new, stamped             | 15.95    |

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All kits you purchase from J & T Surplus contain Mil. Spec parts, never cheap commercial parts. We guarantee it by our 30 day, 100% money-back promise!!

**WE HAVE MANY MORE PARTS IN STOCK.**

**Send for FREE Catalog!**

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Our kits contain every part necessary to turn YOUR stripped lower receiver into a functional weapon!



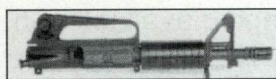
**Pistol Kit:** You choose between a 7½" or 10¼" pistol barrel. Our kit contains the newest all-steel pistol recoil buffer! \$449.95



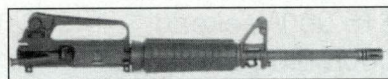
**CAR 16" Kit:** Includes aluminum trigger guard, magazine catch button, and delta ring. \$389.95



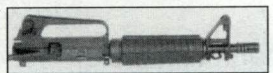
**A2 20" Kit:** Your choice of a Heavy Chrome-Lined Match Barrel or an A2 Chrome-Lined Barrel, both 1 in 9" twist. A2 buttstock and round hand guards. \$394.95



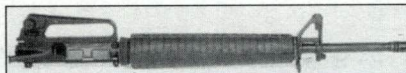
7½" PISTOL UPPER



16" C.A.R. UPPER



10¼" PISTOL UPPER



20" E2 UPPER

## BARRELED UPPERS

We have in stock hundreds of barreled uppers including 20" A1, 20" A2, 20" Heavy Match, or 16" Chrome-Lined assembled on the following uppers: A1 without F.A., A1, A2, and flat top. Fully assembled and guaranteed to head space. (carrier assembly and charging handle not included) \$279.95  
7½" or 10¼" pistol barreled upper on any of the above upper \$294.95  
Colt M4 barreled upper on large-hole Colt A2 upper, 14½" \$574.95

## BARRELS

If you only need a barrel, we have them out the yazoo!  
20" A2, 1 in 9" twist, chrome-lined \$124.95  
20" Heavy match, 1 in 9" twist, chrome-lined 124.95  
20" Colt A2, 1 in 7" twist, chrome-lined 174.95  
20" Colt A1, 1 in 7" twist, chrome-lined (scarce) 159.95

16" Match, 1 in 9" twist, chrome-lined \$124.95  
16" Dissipator, 1 in 9" (full length hand guards) 174.95  
14½" COLT M4, 1 in 7 twist, chrome-lined 374.95

**We usually have a few rare or unusual barrels in stock. Call or write for special requests.**

## BOLTS & CARRIERS

Complete carrier assembly, hard-chromed \$184.95  
Complete carrier assembly, AR-15 or M16 95.95  
G.I. bolt assembly 39.95  
Colt bolt assembly 49.95

Stripped carrier, AR or M16 \$49.95  
Early M16 carrier without F.A. notches 59.95  
Complete Colt AR-15 carrier assembly 94.95

**We stock all parts for the AR-15.**

## UZI

Just in. Limited quantity!!  
Original I.M.I. (Israeli) kits.  
VERY NICE condition  
with folding stocks!  
**\$279.95**

**Colt M4 hand guards**  
(larger with double heat shield)  
**\$89.95**

## KITS

|                   |          |
|-------------------|----------|
| STEN Mark 5       | \$149.95 |
| FAL Israeli heavy | 174.95   |
| FAL STG 58        | 174.95   |

These kits are nice.

All parts except receiver.

## M203

|                  |          |
|------------------|----------|
| Barrel, complete | \$134.95 |
| Leaf sight       | 49.95    |
| Quadrant sight   | 24.95    |
| Sear             | 24.95    |
| Trigger          | 24.95    |

## 30 B.M.G.

|                                |         |
|--------------------------------|---------|
| Barrel, A4, .30-06             | \$79.95 |
| Barrel extension               | 34.95   |
| Bolt, stripped, .30-06 or .308 | 49.95   |
| Extractor                      | 34.95   |
| Links, new, per 4000           | 69.95   |
| Lock frame                     | 34.95   |
| Sear                           | 9.95    |
| Trigger                        | 17.95   |

## 50 B.M.G.

|                      |          |
|----------------------|----------|
| Barrel extension     | \$ 94.95 |
| Barrel support       | 174.95   |
| Bolt, stripped       | 124.95   |
| Extractor            | 34.95    |
| Spade grip, complete | 274.95   |

## M60 E3

You want to convert your standard M60 into the E3 configuration? We have most of the parts in stock!

|   |          |
|---|----------|
| E3 barrel, complete, short                    | \$474.95 |
| E3 barrel, complete, long                     | 449.95   |
| Butt stock                                    | 44.95    |
| Front grip, complete                          | 44.95    |
| Top cover, stripped                           | 124.95   |
| Top cover (with E3 cam and lever)             | 274.95   |
| Trigger housing (with safety & trigger guard) | 74.95    |

## MAGAZINES

|                              |         |
|------------------------------|---------|
| AK-47 Soviet 40-rd. new      | \$29.95 |
| AR-15 30-rd., new            | 11.95   |
| AR-15 20-rd., Colt excellent | 14.95   |
| BAR 20-rd., new              | 19.95   |
| H&K 91, used, 20-rd., steel  | 39.95   |
| H&K 91, new, 20-rd., alum    | 34.95   |
| H&K 93 .223, 40-rd., new     | 44.95   |
| M1 Carbine, 15-rd., new G.I. | 7.95    |
| M1 Carbine, 30-rd., G.I.     | 28.95   |
| M3 Grease Gun, 32-rd., new   | 11.95   |
| MP40 original 32-rd.         | 44.95   |
| STEN, 9 mm, 30-rd.           | 8.95    |
| Stoner 63, new               | 89.95   |
| S&W 76, MK 760 36-rd.        | 79.95   |
| Thompson, 30-rd., new G.I.   | 11.95   |
| Thompson, 20-rd., used G.I.  | 19.95   |

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Phone (606) 745-1757 Monday thru Thursday (10:00 to 8:00 PM EST)

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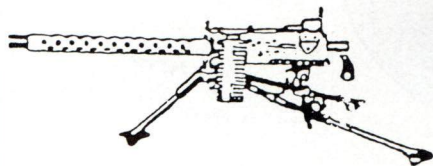
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# NATION'S *LARGEST*



## MACHINE GUN SHOOT & MILITARY GUN SHOW

# KNOB CREEK GUN RANGE

**April 11, 12, 13, 1997**

### Admission

Adults \$7.00 Day/\$15.00 Weekend  
Children under 12, \$3.00/\$6.00 Weekend

### Hours

Friday 7 a.m. to 9 p.m.  
Saturday 7 a.m. to 9 p.m.  
(Saturday night shoot starts at 5:00 p.m.)  
Sunday 7 a.m. to 6 p.m.  
Breakfast Buffet at 7 a.m. Fri., Sat. & Sun.  
Refreshments on grounds

### Gun Show Hours

Friday 9 a.m. to 9 p.m.  
Saturday 9 a.m. to 10 p.m.  
Sunday 9 a.m. to 6 p.m.

### Camping

Camping available, \$5. First come first serve.  
No hook ups. You must check in first.

### Matches

Assault Rifle, Bolt Action Rifle, KPD L Pistol,  
KCR Open Subgun, Jungle Walk,  
Classic Subgun, Shotgun

### Machine Gun Rentals

Friday, Saturday & Sunday 9 a.m. till dark.

### RO Course

Range Officer Course Friday. Contact  
John Butterfield at (334) 270-9975

**PLEASE WRITE FOR BROCHURE FOR FURTHER DETAILS**

**LOCATED 1 MILE OFF 31W ON HWY 44  
690 RITCHEY LANE, WESTPOINT, KY 40177**

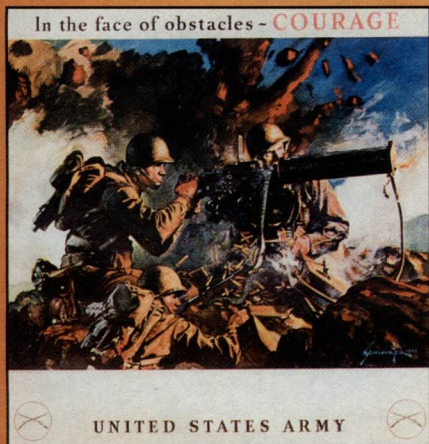
**Bullitt County**

**(502) 922-4457**

**The fall shoot is October 10, 11, 12, 1997.**



## The Use of Automatic Weapons in War Posters



*In the face of obstacles - COURAGE.* by Jes Schlaijker 1943. Specially commissioned by the War Department, this action-packed poster honors the Infantry with an incredibly realistic Browning M1917A1 water-cooled gun crew in heavy action.

**T**he machine gun. The very name conjures up images of firepower and strength. The raw power of such a weapon established itself in the First World War where untold masses were mowed down by the likes of Maxims, Vickers and Lewis guns. The overwhelming superiority of firepower resulted in the horrible trench warfare that was so predominant in World War I until mechanized mobility finally broke the stalemate.



*A GOOD SOLDIER STICKS TO HIS POST!* Anonymous 1943. (Oldsmobile Division, General Motors Corp.) Keeping up steady fire with his Browning water-cooled M1917A1 machine gun, this wounded soldier expects the same determination of the workers back home.



*THE DOWNFALL OF THE DICTATORS IS ASSURED* by Shapt (British) circa 1943. An entrenched line of Tommies defend their position against the attacking enemy with their Enfield rifles and the utterly reliable Vickers MK I water-cooled machine gun. The British had been fighting for their lives since 1939, but the tide had turned in their favor by 1943 and this simple message reassured the British public as to the final outcome.

In World War I there was no television or radio. The main source of mass communication was newspapers and magazines; thus the government sponsored the use of posters to quickly convey essential information. In the twenty months of active U.S. involvement in World War I, some twenty-five hundred posters were created representing over twenty million copies. By the time of World War II the primary means of communication had increased only by the addition of radio and newsreels, and once again the government turned to the use of the poster to get its message across. It was a method tried, tested, understood and accepted by the masses.

Posters were rarely aimed at soldiers in the battlefield or in camps. Their sights were set squarely at the folks back



home. Hardly ever subtle and full of false imagery, the war poster fit right in. As one looks at posters on the whole throughout the war effort, a very distinct pattern emerges. As the war develops and begins, there is a call for money and men. As the war progresses in its early stages, there is a call to help the fighting man by providing necessities and comforts while the people back home begin to make sacrifices. As sacrifices became an integral and accepted part of home front social life, attitudes turned to the orphans, the wounded and the refugees.

Concurrent with this was the need for increased production of munitions and war supplies, victory gardens, efficient food production and consumption, salvaging of needed raw materials, more sacrifice, boosting morale and enthusiasm and buying more bonds. In the final stages, when the war (and victory) were within grasp, the final push began with slogans such as "Invest in Invasion!," "Keep it Coming!," "Keep 'em Firing!," "Back the Attack!" and "Buy War Bonds!."

Such images and jingoism of our social culture aside, the sampling of posters presented here are focused not so much on the overall visual and verbal message they are successfully (and in some cases unsuccessfully) trying to convey, but rather on the use of automatic weapons to help convey that message. Though the use of machine guns is just a very small fraction of the overall number of images produced in both world wars, they do convey a predetermined image that provides a visual impact to the message. As such, the automatic weapons used become an integral part of the story and are themselves "stars" of the poster.

**MGN**

*YOUR METAL fights the Japs...* by Warren Baumgartner 1942. Once again, the Browning M1917 A1 water-cooled is depicted in an active combat role. This corny poster targets one of the many salvage drives that were a continual aspect of the home front war.



*GO OVER THE TOP WITH U.S. MARINES* by John A. Coughlin 1918. A stirring rendering of U.S. Marines charging into no-man's land led by a Lewis gunner. Not only does the soldier not have his finger on the trigger at this decisive moment but it really shows how awkward and clumsy the "light folding field mount" bi-pod really was. Nonetheless, this Lewis Gun poster was quite effective in recruiting for the Marines.

*TO THE MERCHANT NAVY—Thank you!* The British Merchant Navy in World War II operated in horrible conditions in the North Atlantic and suffered tremendous losses from U-boat and aircraft attacks. But, their indomitable spirit got the goods through. This poster acknowledges the hardships they endured and highlights the outdated twin Lewis Guns used for their protection.

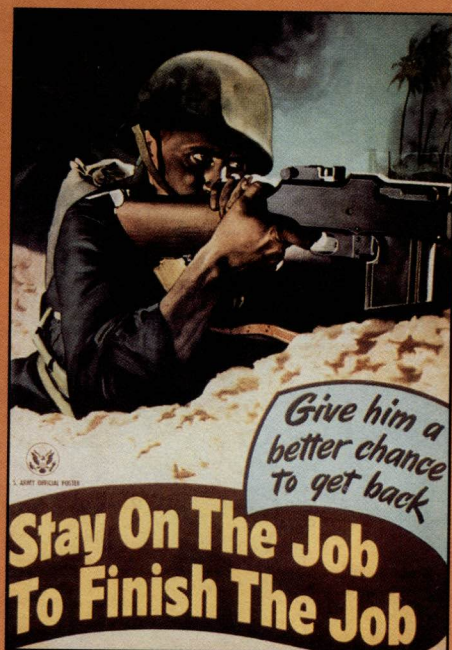






I need you on the job *full time...*  
**DON'T GET HURT**

**DON'T GET HURT** by Harry Morse Meyers 1943. Viewers are almost intimidated by having the business end of an M1928A1 Thompson submachine gun pointed at them. Surprisingly, more home-front workers were both killed and injured in accidents than service personnel killed and wounded.

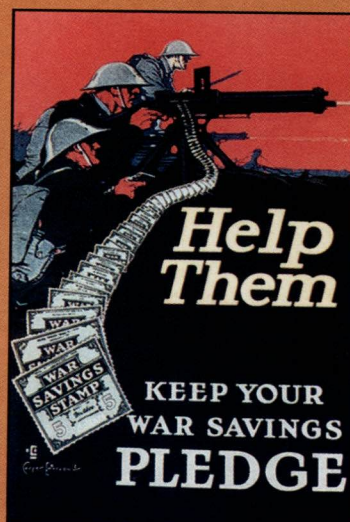
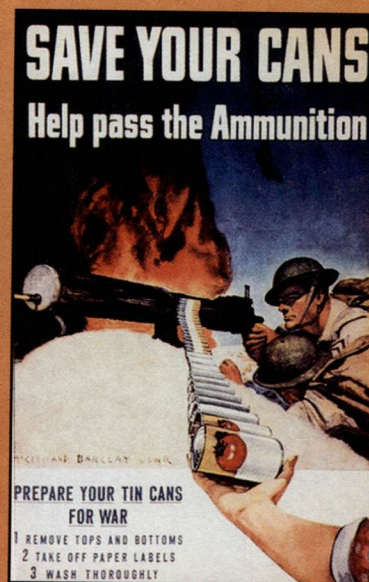


Give him a better chance to get back by Ronald McLeod 1944. This poster depicts a Pacific Island scenario with a Browning M1918A2 BAR urging the home-front workers to do their part as well.

*Infanterie* (Germany) 1944. "Infantry. The Queen of Battle." Germany also had an enormous propaganda machine and posters played a large part in their war effort. As can be seen, this determined Iron Cross winning soldier prepares to advance with his MP40 submachine gun.



**SAVE YOUR CANS.** Help pass the *Ammunition* by McClelland Barclay 1942. Though the idea for this home-front poster is obviously taken from the **HELP THEM** poster (below), the message is not quite as clear. Blazing away with a Browning M1917A1 water-cooled machine gun on the beach of Midway or Wake Island makes for a dramatic image, but the ammo belt that comes from tin cans is confusing.



**HELP THEM. KEEP YOUR WAR SAVINGS PLEDGE** by Casper Emerson, Jr. 1918. Though firing a water-cooled machine gun of unknown determination, the message is clear. Your money equates to bullets to keep the gun firing so do your part.



# The Medea M3A1 Grease Gun

*The Medea-manufactured M3A1s, like the modern manufactured Thompsons, are not original WWII firearms. But like the newer Thompsons, they are an excellent affordable option.*

*by Frank Iannamico*

Chuck Akins fires his Medea M3A1 Grease Gun

Many firearms collectors focus their interest on a particular war, manufacturer, or country. For collectors of U.S. weapons there are many interesting firearms available. The most popular time period for U.S. military weapons collectors is WWII. The same U.S. firearms that served in WWII were also subsequently used in both Korea and Vietnam. Arguably, U.S. military arms are among the most popular among collectors today.

Most firearms collectors are familiar with the U.S. M1 Garand, the M1 carbine and, of course, the 1911/1911A1 pistols. Absent from many collections are submachine guns, and machine guns of the period. This may be due to many factors, although cost and state or local laws are probably the most common reasons.

For those fortunate enough to be able to include legal full autos in their





collections, U.S. martial arms offer quite a selection to choose from. Popular submachine guns used by the U.S. military beginning in WWII included the 1928A1 and M1 Thompson, M50 Reising, and the M3 and M3A1 Grease Guns. Select-fire M2 carbines were also used near the end of WWII but are not considered submachine guns, although the cartridge it fires certainly could be considered a pistol cartridge.

Thompsons and Reisingers are fairly common on the market. There are even modern manufactured versions of the 1928A1 and M1 Thompsons. Although these are not true WWII weapons, they offer a representative model and are good shooters. They are also more affordable for those who do not want to invest the money in an original gun but would still like to fill a gap in their collection.

One of the more difficult to find U.S. WWII submachine guns is the U.S. submachine gun M3, more commonly known as the "Grease Gun." The M3 was introduced as a replacement for the expensive (and well-liked) Thompson submachine guns. The appearance of the M3 caused concern to the troops to whom they were issued. Features that met immediate disapproval were the slow 400 rpm cyclic rate, and the full-auto-only configuration. In reality, the M3 was an effective, well designed modern weapon. The troops were not quite ready for its stamped, toy-like appearance. Many troops also equated a fast cyclic rate with effectiveness. The M3 has enjoyed a long service life. M3s are still issued to some U.S. Army reserve troops.

The original M3 design was improved in 1945; the improvements fixed some troublesome areas that had surfaced in the field. One such area was the cocking handle located on the right side of the weapon. The handles on early versions often broke. After a new, improved handle was retrofitted, the handle was still a source of many complaints. The improved M3A1 was cocked through the enlarged ejection port by the operators index finger. Other less significant areas of improvement were a redesigned stock, a guard for the magazine release, and a larger oil bottle now stored in the pistol grip.

Original WWII production M3 and M3A1 Grease Guns were all produced by the Guide Lamp division of General Motors.

Approximately 579,000 M3s and 15,470 M3A1s were manufactured from 1942-1945 at the Guide Lamp plant in Anderson, Indiana.

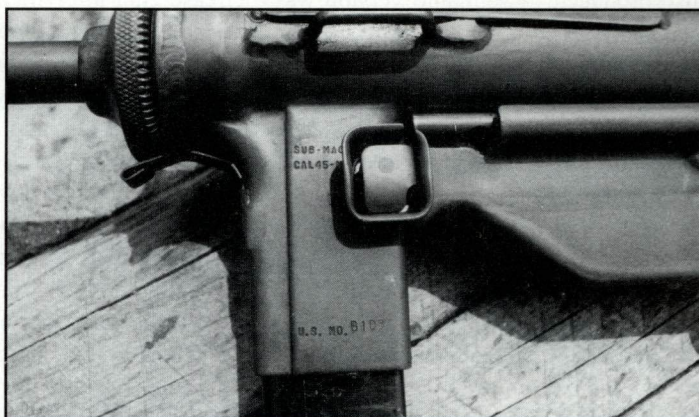
During the Korean War, the Ithaca Gun Company of New York produced approximately 33,200 M3A1 models. The original Korean War contract with Ithaca called for 70,000 guns, but in 1954 the war ended. Since there was no longer a need for weapons, the government canceled the M3 contract with Ithaca.

Spare parts for the M3 were produced by many contractors during WWII, Korea and Vietnam. Marlin, Saginaw Steering Gear, Springfield Armory, and many others produced spare parts for M3s and other U.S. weapons.

The M3 and M3A1s on the collector market are sometimes hard to find. There seems to be a lot of dealer samples, but not a lot of fully transferable guns, particu-



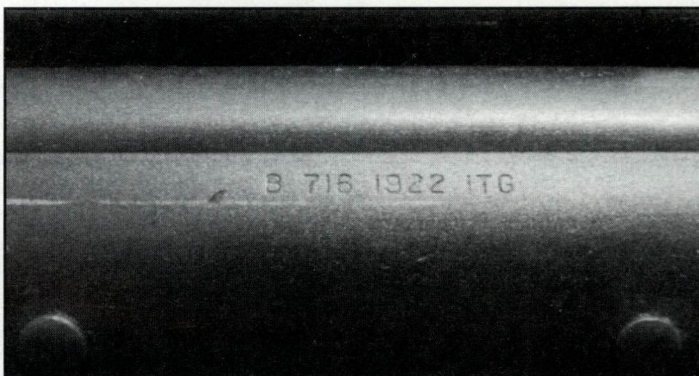
The Medea M3A1.



The magazine housing markings are similar to a Guide Lamp M3, except there are no manufacturer markings.



Receiver is marked "Medea Corporation, Holly Hill, Florida."



Ithaca-manufactured parts are marked "ITG."



larly the M3A1 version. The Grease Guns, considering their construction and original cost, are expensive. This high cost is due to their limited availability.

There is an alternative although they are rarer than the originals. The M3A1 with Medea-manufactured receivers. The Medea Corporation located in Holly Hill, Florida manufactured less than 100 transferable receivers. Original cost for a stripped Medea receiver was only \$250.00. The completion of the receivers and parts installation were up to the purchaser. A few M3 receivers were also produced. A semiauto version was planned, but never materialized. The Medea M3 receivers were almost an exact copy of the original. Most of the ones I have seen, and the one I owned, had Ithaca-manufactured parts, which were marked ITG.

There are two minor differences between an original and a Medea-manufactured Grease Gun. The pattern of the "checkering" on the pistol grip is different, and the Medea guns do not have an oiler in the bottom of the pistol grip like an original. Most Medea-manufactured

guns have three-digit serial numbers. The receiver is marked much like a Guide Lamp gun, except there is no manufacturers name.

Grease Guns that have been subjected to heavy use, or hot rounds, often develop cracks. These cracks appear in the rear of the receivers, where the guide rod holes are located. Later manufacture Medea Grease Guns have a steel plate inserted inside the receiver to strengthen that vulnerable area.

The Medea guns I have fired were just as reliable as an original, which is excellent. Of course I am referring to a Grease Gun in civilian hands for recreational shooting. Reports from extreme combat field conditions often criticize the double-stack, single-feed magazine as a poor design, and a weak area. The U.S. military developed a cap made of a synthetic plastic to cover the tops of M3 magazines. The purpose of the caps were to keep dirt out of the magazines in the field, and make them more reliable.

Medea also reportedly manufactured M3A1s in several calibers including .22, .380 and 9 mm. I have never seen any offered for sale, but a .22 or a .380 cal-

iber Grease Gun would be very interesting. Medea Corporation also had tooled up for production of the 9 mm conversion kits like the original ones produced during WWII. It is not known if any of the kits were produced.

The Medea-manufactured M3A1s, like the modern manufactured Thompsons, are not original WWII firearms. But like the newer Thompsons, they are an excellent affordable option. They are also excellent shooters and can be shot frequently without fear of decreasing their value. A Medea-manufactured Grease Gun is not considered a curio or relic.

There are several categories of firearm enthusiasts: the collector, the collector/shooter and the shooter. The Medea Grease Guns would likely fulfill the needs of those in the latter two categories.

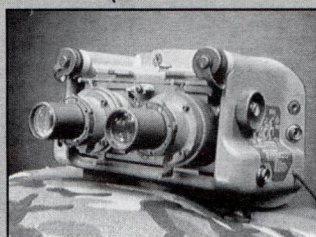
My Medea M3A1 served me well for many years. Only when the opportunity to buy a Guide Lamp M3A1 arose did I decide to sell my Medea M3A1. It is still serving its current owner well.

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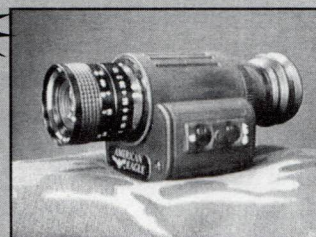
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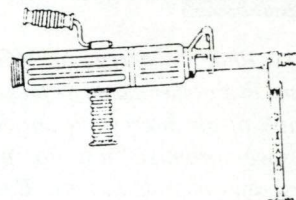


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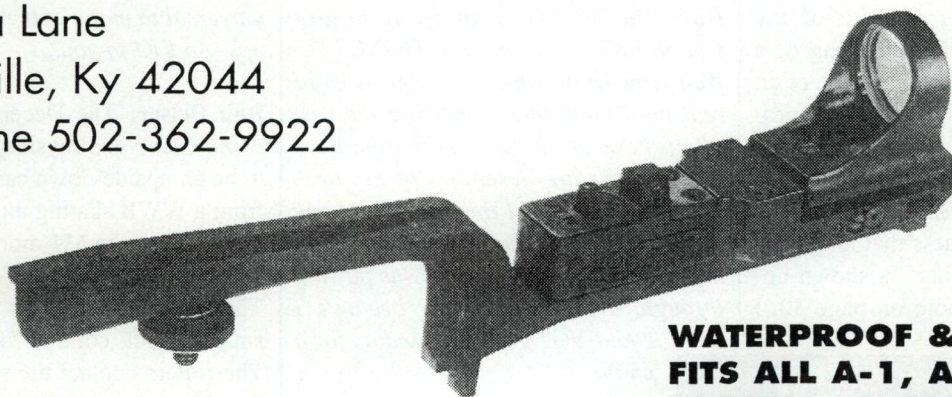
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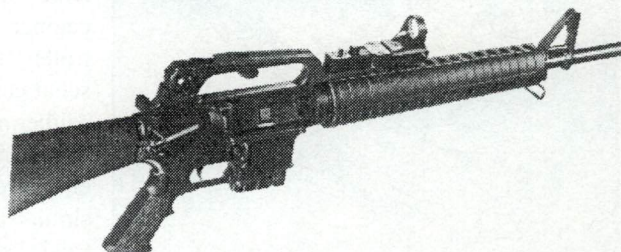
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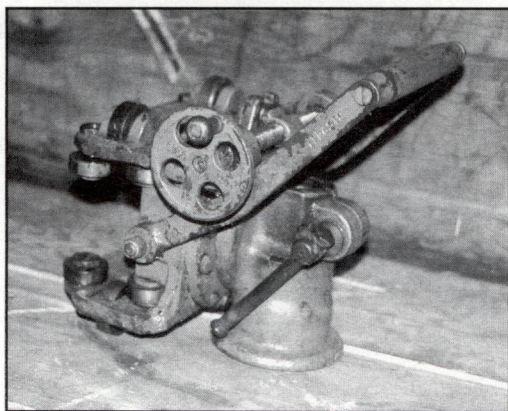


# Mystery Photo

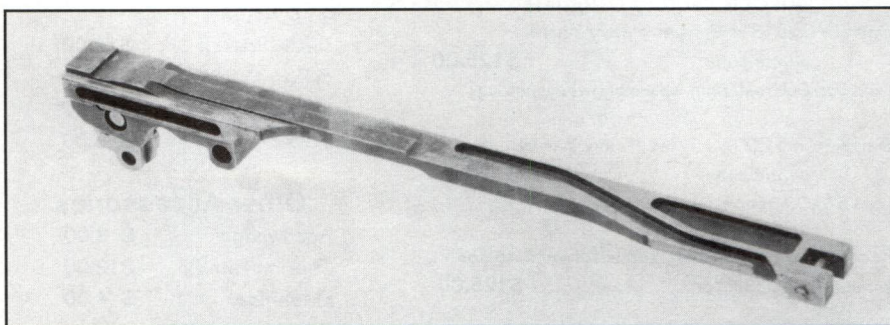
by Dan Shea

**M**yystery Photo is a regular MGN feature. Every other month we present a photograph of an interesting part or accessory—we promise not to put ridiculous screws or nuts in here. Each will be something of interest to the Class 3 community. You can send in your answers to Mystery Photo, P.O. Box 20459, Hot Springs, AR 71903-0459 or fax them to (501) 525-7519, or E-mail them to [MGNNews@aol.com](mailto:MGNNews@aol.com). We will accept interesting photos from the readers, as long as they are accompanied with a full description of the parts in the photo. Those of you who answer correctly will be awarded the "Order of the RKI," a certificate that proclaims you to be a "Reasonably Knowledgeable Individual." This certificate is suitable for framing and will make a nice conversation piece on the wall next to your other accolades and honors. Besides, it gives you bragging rights!

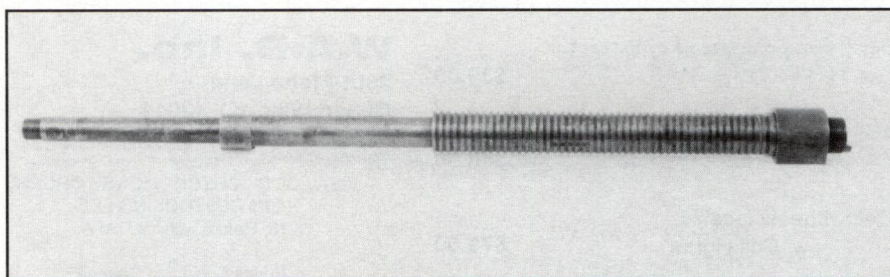
**J. Green:** It has been a long time since I have been able to identify your mystery photo by its proper nonmenclature. However, the use, or purpose of the "thing" is to permit the mounting of a .50 cal MG to the ring mount/race of an M7, M7B1 or M7B2 105 mm self-propelled howitzers. I suspect that the "thing" could be used to mount a .50 on one of the old truck (2 1/2 ton, 5 ton, etc.) ring-mounts. I guess that its part of the game, but the "thing" is shown upside-down in your photo on page 30. I



December 1996 Mystery Photo.



April 1997 Mystery Photo A.



April 1997 Mystery Photo B.

spent several hours removing rust from the race wheels of this thing and from the race ring of the .50 mount on those old M7s. Thanks for the memories.

**Dan:** *The THING? I am going to give you an RKI for calling it a THING???? Well, you know what it is, and worked real hard back then scrubbing the rust off of these, so the powers that be have decided you are deserving of the title. By the way, I found this particular one in a warehouse in Yugoslavia—it was on the back of a pile of cases I was pawing through. It's upside down because I could NOT get it to stand up for a photo.*

**Dan Chinchar:** I believe the December 1996 mystery photo is a trolley that was used in WW2 scout cars to mount a .50- or .30-caliber machine gun. It was made so that it could slide around the entire vehicle on a rail. It is very similar to the one used on WW2 trucks and half-tracks. This one differs because it can be adjusted to level the gun as it slides or changes angles inside the scout

car. There is also a handle that locks the gun in one position so it won't slide. I hope this sounds correct.

**Dan:** *It is correct. This "trolley" was universal to many of the ring mount set-ups. An RKI to you....*

**Bob Belser:** The December 1996 *Machine Gun News* mystery photo appears to be an upside-down carriage assembly from a WWII skating mount such as the one used on the M4 mortar carrier half-track or White scout cars.

The large handle locks the travel. The small wheel controls fine traversing. The rollers contact the skate ring along the sides, top and bottom. A cradle for a BMG fits into the socket that the assembly is resting on.

If this qualifies me for the "Order Of The RKI" please let me know and I will forward a mailing address to you. If I am not correct send me a Bronx Cheer.

**Dan:** *Another RKI weighs in (Bob used to be at Ramo Mfg and built a LOT of fifty cals). You are correct and will be receiving the coveted Order of the RKI...*

**Tim Jackson:** I think I know this one. This is the skate mount that attaches to



the rail that ran around the circumference of some versions of the M2 and M3 half-tracks and was also used on the M3 scout car, as well as the ring mount on 2 1/2-ton trucks. The pintle on the cradle assembly fits into the receptacle that the mount is resting on (the mount is photographed upside down) and rode on the wheels visible on the left side of the photo. The lever is used to lock the mount into position for transport and accurate fire. This is an early model with the traversing gear. Later models, in use today on 2 1/2- and 5-ton trucks, do not have this.

**Dan:** *Correct on this being an early version Tim. As noted earlier, it is a WWII vintage skate socket or trolley mount. It is left over from weapons used by the WWII Yugoslavian partisans in their fight against the Nazi occupiers. Another RKI.*

**B. Sutton Coffman:** The December 1996 "Mystery Photo" is the pintle socket/machine gun mount that fits on the "skate rails" in most light armored U.S. military vehicles of the WWII Era. The skate rail surrounded the interior of the vehicle to allow a complete 360 degree (traverse) perimeter defense of the vehicle. Also the pintle socket mount permitted the M.G. to be used as an anti-aircraft gun (without any additional adapter mounts) from inside the vehicle. (Please note the angle on the rear Browning .30 in the enclosed photocopy.)

M2, M3, M3A1, M15, M15A1, M16A1 halftracks/M3A1 White scout cars/M20 armored cars used this pintle socket mount along with other WWII U.S. military vehicles that used the M36 ring mount. In your original photo the socket mount is upside-down for ease of storage. Normally the socket's flange is in the vertical position.

Erratum December 1996: Swedish m/41B Sniper Rifle. I'd suggest that a "typo" correction be made on gun stock finishes to wit: Tung oil not tuna oil. (God bless the people who do proof-reading and prevent more idiotic errors that way!)

Erratum December 1996: "Headspace & Timing." Gary E. Reisenwitz did an outstanding job of explaining a very difficult subject. Unfortunately, in the last paragraph he pokes fun at the timing

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gauge for the Garand rifle—OOPs! Gary, the timing gauge checks timing to prevent the firing pin from protruding far enough forward to fire a round prior to the bolt lugs locking up (in other words—no slam-fire, open-bolt accidents). I will concede that very seldom do you find a Garand out-of-time, but it is a useful gauge to have. Does he want to part with his? (I'll trade him a V.W. Beetle radiator cap.)

**Dan:** *The coveted Order of the RKI to you as well. Regards your "Errata," we are not perfect and don't mind the input. I have known Bob Bishop for a considerable time, and was wondering about his use of "Tuna Oil" in stock treatment.... But it's the nineties, and you just never know, do you.... We at MGN have gleefully forwarded your trade offer to Gary, who was last heard mumbling something about "But I don't HAVE a VW Beetle that needs a radiator cap." However, since Gary is in the firearms business as well, we are sure that he is seriously considering your offer.*

### Dave The Old Western Scrounger:

The December 1996 photo is the trolley assembly that when inverted accepts the .50 BMG on a circular mount like I had on my M3A1 half-track. In fact, if memory serves me, there may be two versions: one for circular rings and one to fit scout car rings of a different radius?? I have a video (U.S. Navy) taken from a 16 mm B&W informational film showing the operation of the world's biggest MGs! 3" -50 and 8" -55. (The 8" fires 8 rpm!) If you want to view it, let me know! I will loan it to you!

**Dan:** *You're kidding, right Dave? OF COURSE I WANT TO SEE IT! It's winter here in Maine where I live, and there's nothing to do until Knob Creek in April. Sir Hiram Maxim lived not 20 miles from where I sit typing and looking out the window at the snow, as well as looking directly at the mountain where Sir Hiram fired the world's first machine gun down into Lake Wassokeag. I KNOW why he invented the machine gun—among so many other things—he had a serious case of cabin fever, too much time on his hands, and a mechanical background. Lots of modern technology came from this version of the old expression: "Boredom is the Mother of Invention." I will forward an address*

*for you to send the video.... Oh, and you are correct about the mount, and are cordially invited to join the Brotherhood of the Order of the RKI. (We do have female members, the most lovely and charming on the face of the earth, of course, but somehow the "Sisterhood of the Order of the RKI" doesn't quite have the same "ring" to it.)*

### H. J. Woodend, Curator, The Royal Pattern Room, England:

What has happened to the "Mystery Photo" section of MGN? I note the last issue did not have that feature and I hope it has not disappeared for keeps. We have an office quiz with those mystery items and (Modest old me!) I have yet to be stumped by one of them. In a recent edition (the one with the Breda barrel tool as a mystery item), a correspondent asks about a very odd magazine loader. We have one just like it, and it fits the Swiss Bergman SMG as built by SIG in the 1920s for export. The magazine is not like any other Bergman type and the loader fits perfectly. However, the quality of our loader is not what you would expect of SIG manufacture. Although I am convinced we have the correct weapon type, such loaders may have been copied elsewhere. A good bet would be China, as they initially bought SIG-made guns in 7.63 mm caliber but then, as usual, made their own copies. It is very likely they would have made copies of the loader as well. A complicated theory, but possibly worth passing on to the readers of MGN.

**Dan:** *The Mystery Photo section has been made into a bimonthly feature—yes, that means every other month. Some crass and uncouth individuals said they didn't give a hoot about this MGN feature. As these Neanderthals can now see, they WERE in good company, until they decided not to rise to the challenge of trying to identify these arcane and unusual items. (Tongue is firmly in cheek here, folks, so don't spam our e-mail box!)*

*I would like to thank Mr. Woodend for helping to clarify the source of the odd magazine loader we featured here. It is my pleasure to bestow upon him the Coveted Order of the RKI, with the hopes that this "Fit fer framin'" parchment will be prominently featured amongst his numerous other accolade.*



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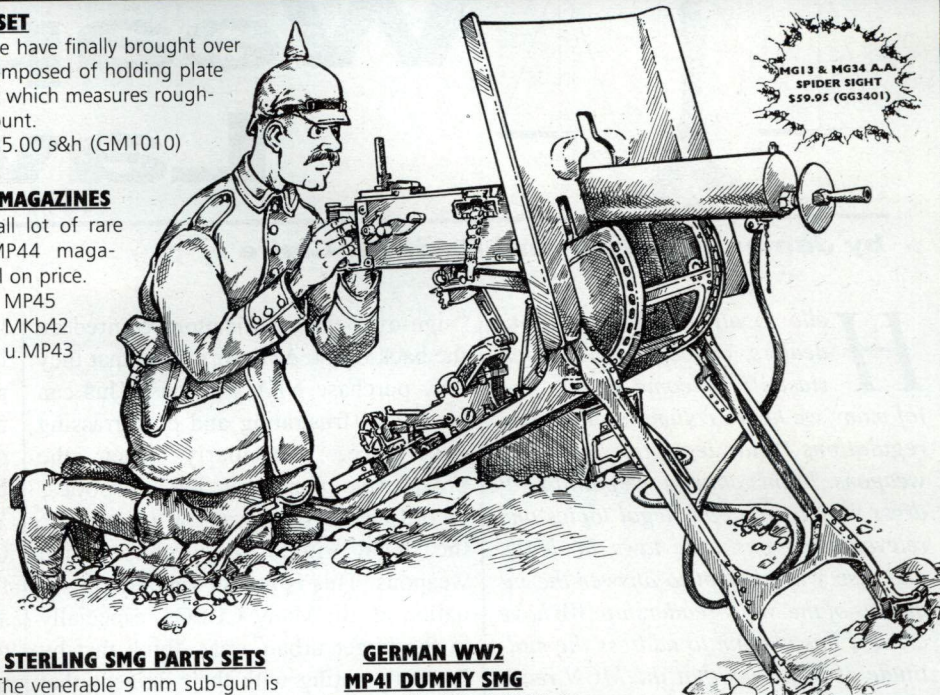
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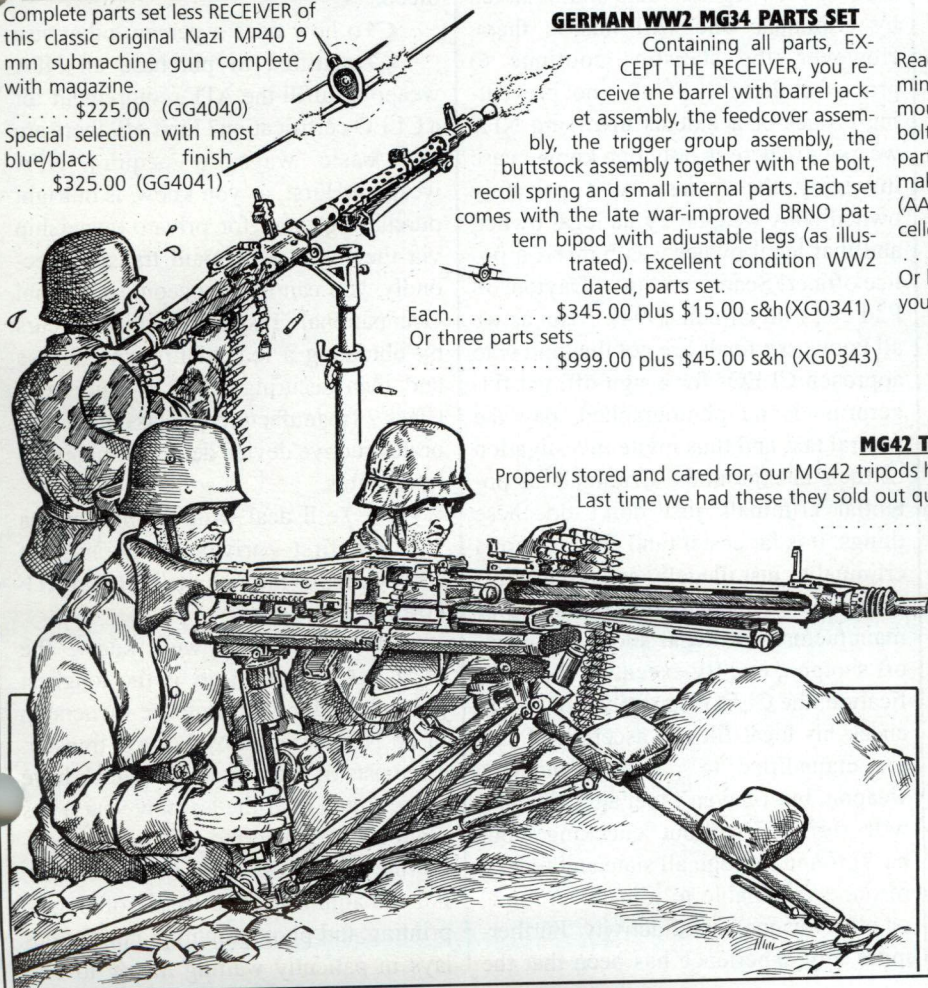
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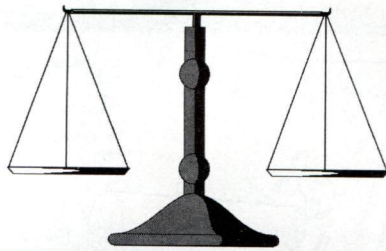
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# Weapons Laws

by James Bardwell and Basil St. Claire

**H**ello to all you NFA weapons dealers, collectors and enthusiasts!!! Welcome to our first (of many we hope) column on the laws, regulations and legalities of NFA weapons. In this column we plan to address various weapons legal topics and relevant weapons case laws in depth, and also will attempt to answer the inquiries of the MGN readership. We have created this column to address the multitude of questions that the MGN readership has concerning the intricacies of federal laws and regulations, and to some degree the laws of the various states, pertaining to the acquisition and ownership of these unique weapons, as well as to keep you informed regarding recent developments in such laws and regulations. This column is not meant to replace, but rather to supplement Dan Shea's excellent column "The Forms." Specific inquiries relating to the administrative paperwork and forms for NFA transfers should still be forwarded to Dan. If you should have specific questions or topics of a legal nature regarding NFA weapons that you wish us to address in future columns, we can be reached at the following:

Basil St. Clair St., Clair & Markey Attorneys at Law, 1200 Summit Avenue, Suite 620, Fort Worth, Texas 76102-4409 (817) 332-7799, (817) 332-7011 (fax), [stmark@flash.net](mailto:stmark@flash.net) (email).

James Bardwell, P.O. Box 101141, Denver, Colorado 80250 (303) 758-2200, (303) 759-1642 (fax), [bardwell@netcom.com](mailto:bardwell@netcom.com) (email)

Okay, enough of the introduction and administration stuff. Let's get on with the show!

**A**s an attorney knowledgeable of and regularly practicing weapons law, and also as a Class 3 dealer, I frequently encounter clients and customers whose local Chief Law Enforcement Officer refuses to execute

"sign-off," the certification required on the back of the ATF Form 4 so that they may purchase NFA weapons. This can be a very frustrating and embarrassing experience, particularly when the prospective purchaser has a spotless record and is only wanting to exercise the legal right to purchase such weapons. This is not an uncommon situation at all. Many CLEOs, especially in the larger urban areas, think that by not cooperating with their citizens that they are "keeping these dangerous weapons off the street." There is some misguided logic to their reasoning—the fewer folks with NFA weapons, the fewer opportunities for them to be misused by their legal owners and/or stolen by criminals who will misuse them. However, the statistics continue to prove that these CLEOs are not preventing crimes or accidents involving NFA weapons. There is only one known case involving the misuse of a privately owned NFA weapon by its legal owner, and that legal owner was himself a police officer! *Searcy v. City of Dayton*, 38 F3d 282 (6th Circuit 1994). Also, as we all know, criminals are not the kind who approach CLEOs for a sign-off, get fingerprinted and photographed, pay the federal tax, and thus invite investigation of their backgrounds. Criminals or potential criminals just don't do these things. It is far easier (and cheaper) for a criminal to just illegally convert a semi-automatic weapon to full automatic or manufacture an illegal silencer, sawed-off shotgun, etc. By executing the certification, the CLEO is merely required to check his local files to ascertain if you are unqualified to purchase an NFA weapon, but I haven't met a CLEO who will sign-off without checking your background through all state and federal resources available to him for criminal or other disqualifying activity. Furthermore, my experience has been that the

larger the community you live in the less likely the CLEO will sign-off. A large part of their reluctance to sign-off is their fear of political reprisal by their opponents if they are elected officials or by their supervising city council, etc. You can explain to these reluctant CLEOs that they have no legal liability for executing the certification, but they still often refuse to cooperate due to these political concerns. In any event, many CLEOs seem to think that they are completely justified, morally and legally, in refusing to sign-off on NFA transfers and there is practically little that either you or I, as an attorney, can do to change their minds if they are so prejudiced.

**S**o how does a person, otherwise qualified to purchase an NFA weapon, fulfill the ATF requirement for a CLEO certification? First off, there are two basic ways to acquire NFA weapons. First, as you know, is outright purchasing them for private ownership via the Form 4 tax-paid transfer. Secondly, you can opt to become a Special Occupational Taxpayer, which occurs by obtaining a federal firearms license and then securing Class 1 (importer), Class 2 (manufacturer), Class 3 (dealer) or destructive device dealer or manufacturer status.

**W**e'll deal with the first option first—private ownership of NFA weapons through purchase on ATF Form 4.

**A**s you may well know, the CLEO sign-off is the toughest part of legally acquiring the ownership of an NFA weapon by Form 4 transfer. The costs of such weapons (which have skyrocketed over the last few years) has obviously not deterred you, nor has paying the federal tax of \$5.00 or \$200.00, nor the administrative hassle of fingerprinting and photographing, nor the delays in patiently waiting ninety to one



hundred and twenty days, or more, for approval of your transfer. If you are absolutely unable to obtain a CLEO sign-off despite your best efforts to do so, but are determined that you want to get into this unique field of owning, collecting or investing in NFA weapons, and are willing to undertake the costs and hassles involved, then you may want to consider purchasing NFA weapons through a corporate entity.

The corporate means of obtaining NFA weapons is not for everyone. It requires a considerable, but not overwhelming, expenditure of funds and time to set up a corporation and maintain the corporate formalities. There are some serious considerations to review, but by purchasing your NFA weapons through a corporation you can effectively and legally eliminate the requirement of a CLEO sign-off. Additionally, the transfer times at ATF are considerably reduced to essentially the same waiting period that an SOT undergoes. If these benefits are attractive to you, the next question is "How do I go about setting up such a corporation?" I form a lot of Texas corporations and thus know the upside and downside of going this route.

Corporations are animals of the state in which you live or do business. Basically no federal law is involved in the formation of a corporation and, for the most part, the only federal law involved is with regards to federal taxes, i.e., corporate federal income tax and employment taxes. I'll address the tax issues later. Anyhow, let's say you decide to "go the corporate route" to acquiring NFA weapons. First, you need not necessarily form a new corporation. If you already have a corporation set up, for instance you are an independent businessman/businesswoman (let's be politically correct here!) operating as a business corporation, or even a doctor, lawyer or dentist operating as a professional corporation, you can utilize your existing corporation to acquire NFA weapons. This would save you the expense of forming a new corporation and also the administrative hassles of following the additional corporate formalities required of a new corporate entity. That said, if you already have a corporation, go ahead and use it to acquire the NFA weapons you want. If you are ever

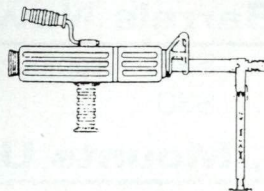
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| Sten 30 rd.....       | \$5  | Vickers 250 rd. belt      |      |
| M1 carbine 15 rd..... | \$5  | (new) .....               | \$40 |
| MP44 mags. ....       | \$50 | M1 carbine 30 rd.....     | \$10 |
| MG13 mags. ....       | \$10 | Lanchester 50 rd. ....    | \$45 |

## Barrels New

|                    |      |                    |      |
|--------------------|------|--------------------|------|
| MG13 barrels ..... | \$25 | Bren barrels ..... | \$30 |
| MG34 barrels ..... | \$30 |                    |      |

## MG, Mounts Used

|               |       |               |       |
|---------------|-------|---------------|-------|
| Bren AA ..... | \$215 | Vickers ..... | \$250 |
|---------------|-------|---------------|-------|

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|              |       |                |       |
|--------------|-------|----------------|-------|
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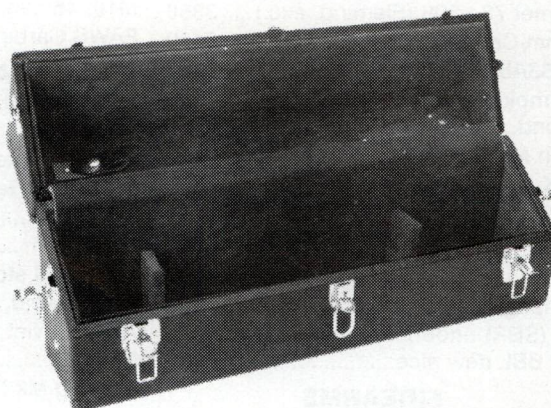
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asked for your reasons in wanting to obtain NFA weapons, all you need to state is that they are investments. That is a perfectly legitimate and acceptable reason, especially considering the upward trend of the market for these weapons.

That being said, let's address the more common scenario. You work for someone else and don't presently have a corporation that you own or control. You would then need to form a new corporation or "incorporate." The mechanism for this is, as I stated above, controlled by state law. Typically, the Secretary of State at your state capital is the government agency which controls the registration of new corporations. While it is legal and possible for you to form your own corporation, and while many folks have done excellent jobs doing so, there are many aspects of forming and maintaining a corporation which are beyond the expertise of the typical layman. If you are not comfortable in setting up your own corporation, I suggest that you confer with an attorney who is experienced in corporate law. This is not a plug for lawyers, as I routinely have folks come to me who have set up their own corporations only to later find out that they failed to perform some legal requirement or otherwise messed up. If you do decide to form your corporation on your own, it may well be worth getting some legal advice prior to actually filing for the new corporation. Okay—now for the soapbox—I often hear folks say "I can't afford a lawyer," but when pressed on the issue the vast majority of those same folks admit that they have never even talked to a lawyer about their fees. It costs nothing to ask a lawyer about his fees for incorporating and many lawyers are quite willing to let you do the majority of the work and only charge a nominal fee to "review or advise" you on what you are about to do. Secondly, anyone who can afford to purchase NFA weapons at the prices commanded these days, can certainly afford a few bucks to hire a lawyer to do it right the first time or to provide advice to you to do it yourself.

Here in Texas where I practice (and in most states), incorporating involves many considerations. First you must choose a corporate name, which most states will require to have



the words "Incorporated," "Inc.," "Corporation," "Corp.," etc., as part thereof. Then you must ascertain if your state will accept your use of such name. With so many corporations in existence, you may find that your state will not permit you to use your first choice of name since another corporation may already be using it or a name so similar that your state may not allow it due to the likelihood of confusion with another corporation's name. Okay, let's assume you have chosen an acceptable corporate name. Next you will need to draft what most states call "Articles of Incorporation." This is the agreement between you and your state that recognizes that the corporation is a distinct legal entity from you personally; i.e. "John Doe Inc.," is not the same as "John Doe" (the individual). The requirements of the Articles of Incorporation vary from state to state and often involve information and decisions that may be quite alien to you. Many states have forms available for use in filing the Articles of Incorporation. Most states will require you to list in the Articles of Incorporation the names and addresses of the initial board of directors (which typically can be a single person—yourself), a physical address of the corporation's registered office and the name of the registered agent at that registered office (which again may be yourself at your home address; however, a post office box address is usually not allowed), the type and classes of stock to be issued, the par value of the stock, the purpose of the corporation, etc. Most states will allow you to list the purpose as being the conduct of any and all legal business, thus you will not have to specify that you are forming the corporation to acquire NFA weapons. Keep in mind that the Articles of Incorporation are documents available for public inspection. Accordingly, when setting up corporations I prefer to be as vague as allowed under the corporation law of your state. Again, consult a lawyer if you don't feel qualified to draft the Articles of Incorporation. Once prepared, you are now ready to file your Articles of Incorporation, which is the easiest part of the incorporation process. Many folks believe that they are validly incorporated upon filing the Articles of Incorporation; however, you aren't through yet, as

there are still many other procedures to undertake and decisions to make before you have a validly formed and operating corporation.

Okay, your Articles are now drafted, filed, and you have paid the appropriate filing fee. Your state will issue you a corporate charter number and return to you a file-marked copy of the Articles of Incorporation and other documents reflecting the existence of your new corporation. Next you must fulfill a number of formalities prior to commencing operating as a validly formed and legal corporation. This is the area where most folks forming their own corporation fall short. Typically, depending on your state law, you must have corporate bylaws (which are an agreement between the shareholders controlling how the corporation will operate), elect a board of directors as well as officers (most states allow a single person to serve as the Board of Directors as well as all of the necessary officers), adopt and prepare stock certificates, obtain and adopt a corporate seal, obtain a federal Employer Identification Number from the I.R.S., and make many other decisions on how the corporation will operate. You'll need to decide whether the corporation will be an "S" corporation or a "C" corporation for federal income tax purposes. This is an important decision which must be made very soon after you incorporate. Electing "S" tax status is usually preferable for the type of corporations we're discussing here, but this is usually best determined by your lawyer, accountant or other tax adviser. This column cannot delve into the intricacies of "S" corporation tax status as it is a subject so important and intricate that it cannot properly be addressed here, plus it would bore most of you to sleep. This is, after all, a magazine about NFA weapons isn't it! The above items are generally discussed and adopted during the "organizational" meeting of the board of directors of the new corporation. Here in Texas a new corporation is not legally in operation until after holding this organizational meeting of the board of directors.

Okay, now you have done all of the above and are ready to purchase your first NFA weapon. What are the benefits and pitfalls of proceeding

with your new purchase as a corporation?

Regarding the benefits, while the corporation must provide the necessary corporate information to the seller so that he or it may prepare and file the transfer forms; since corporations do not have fingerprints or faces to photograph, those items are not required to be submitted by a corporation on the ATF Form 4. After having undertaken all the expenses and corporate formalities described above in order to obtain an NFA weapon, you now are finally getting a break. If appropriate, it is generally preferable to provide on the transfer forms that the weapon will be in the sole custody or control of one officer of the corporation for safekeeping; however, any corporate officer (or legitimate employee, and I stress the word "legitimate") who is not legally prohibited from possessing a weapon or an NFA weapon may possess or use the weapon. Another good break. More on this possession and control issue later.

The most important pitfall of corporate ownership of NFA weapons is that while you may legally possess the NFA weapon as an officer (or legitimate employee) of the new corporation, it is the corporation that is the owner of the weapon. This is important to understand and many folks don't quite grasp this concept. As mentioned above, John Doe Inc., is not the same as John Doe (the individual). If the corporation is later dissolved for whatever reason, whether voluntarily by you notifying the state of such, or involuntarily by the corporation failing to maintain the required state formalities such as annual reports and tax filings, all NFA weapons must be transferred out of its possession prior to its dissolution. You, as an officer, director or shareholder of the corporation don't just get to keep them automatically in the same way an individual SOT dealer who gives up his license generally does. Prior to dissolution, the corporation must transfer the weapons to qualified transferees, meaning that the transferee must again apply for transfer of each weapon with ATF and pay the appropriate taxes. Thus, while the corporation has legally obtained the NFA weapons without the requirement of a CLEO sign-off, the transferee from the corporation of those



same weapons must now get a CLEO sign-off unless he or it is an SOT or another corporation. Keep in mind though, that as long as you keep John Doe's nose clean and keep John Doe Inc. (the corporation), in good standing with your state, you may never need to transfer the weapons out of the corporation.

**A**nother pitfall of going the corporate route is that the corporation must remain in good standing and comply with all legal requirements during its entire existence. This typically means filing annual federal and/or state income tax returns, holding at least an annual meeting of the board of directors and stockholders, keeping minutes of such meetings in the corporation's minute book, filing any necessary annual or regular state corporate reports and documents, paying the annual state franchise tax (which is typically minimal but must be paid nonetheless), etc. Thus going the corporate route to obtain NFA weapons is not as easy and inexpensive as some folks seem to believe; however, if you are determined to go this route at any cost and trouble, it is a viable alternative to dealing with a reluctant or difficult CLEO. Fortunately, as stated above, if you already have a corporation

for which you must already do these things, then the burden associated with using the corporation to obtain NFA weapons is not much greater and the benefit is very great. You will have to make your own decision as to whether you want to pursue the corporate route to be able to obtain the NFA weapons you want, but it is a legal way to keep Mr. CLEO from stopping you. A final caveat, if your state does not allow possession of NFA weapons to individuals then the corporate route is not an alternative. You must still comply with all state laws where the corporation exists and if you personally do not legally qualify to possess NFA weapons, then you will not qualify to possess them as an officer or employee of the corporation. This is not a mechanism to circumvent the laws, it is merely a means to circumvent the CLEO who absolutely refuses to cooperate. The officers, directors and legitimate employees of the corporation must not be disqualified from possession of weapons or NFA weapons—for instance, if you have an employee with a criminal record which would prohibit his possession of weapons, that employee must not be allowed access or possession of the corporation's weapons. That means using reasonable means of keeping the weapons secured from prohibited possession by nonqualified persons. Additionally, since the transfer papers on the weapons will only reflect the corporation's name and not necessarily the names of all persons allowed by the corporation to have possession, you should insure that whoever is in possession of the weapon has with them, at all relevant times, a letter, a copy of corporate minutes, or other documentation from the corporation authorizing them to have the weapon in their possession. The weapons need not be kept at the corporation's premises at all times (you're going to want to shoot it somewhere, right?), though it is highly recommended to have a secured means of storing the weapon at the corporation's premises.

**T**hat pretty much sums up the basics of acquisition and possession of NFA weapons by a corporation. Lastly, a few words are necessary to address the process of becoming an SOT in order to obtain NFA weapons. If you

don't actually intend to deal in NFA weapons and just want to be able to purchase them without CLEO sign-off to build a collection, etc., do not, repeat do not, become an SOT. ATF audits SOTs and if you are believed to be an SOT solely for the purpose of enhancing your personal collection of NFA weapons or to avoid paying the transfer taxes on each weapon, you may find yourself in trouble with Uncle Sugar for tax evasion. The good old U.S. allows us to own NFA weapons, but he also still writes the laws and regulations and will bust you in a New York (non-NFA friendly state) minute if you are in violation in any respect. When it comes to getting his money, Uncle Sugar is not your friend and he is not here to help you. My apologies to the majority of government employees reading this article, but it really is the truth in regards to taxes.

**I**n sum, yes, there are means to procure NFA weapons without a petty tyrant frustrating your legal intentions, but don't pursue these alternatives unless you are committed, serious and know the downside. That being said, go for it. In a future article, we plan to discuss some of the reported lawsuits filed against CLEOs for refusal to sign-off on ATF transfers.

#### ABOUT THE AUTHORS

*Basil St. Clair has been a licensed Texas attorney since 1984 and a Class 3 dealer for over 10 years. His law practice in Fort Worth, Texas, focuses on the formation of corporations and other business entities. He also has an alcoholic beverage law practice requiring frequent contact with ATF, and also handles weapons-related cases. He served in the U.S. Army as a light weapons infantryman with various elite units including 1/75th Rangers, 27th Infantry Platoon (Pathfinder/Airborne) and 12th Special Forces Group (Airborne).*

*James Bardwell graduated from the University of Denver College of Law, and is in private practice in Denver, Colorado. He has been an NFA weapon owner for several years, and is the author of an article on the Owen submachine gun (April 1995, MGN). He also has a Web site with cases and other information on U.S. gun laws. The URL is <http://www.cs.cmu.edu/afs/cs.cmu.edu/ser/wbardwel/public/nfalist/index.html>.*

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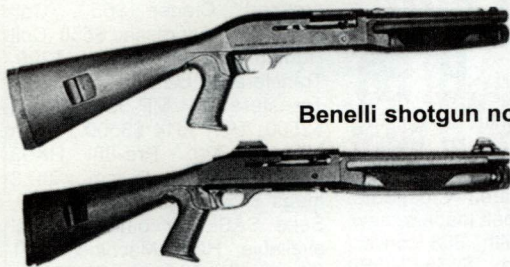
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| Item  | Description                                     | Price   |
|-------|---|---------|
| C0045 | Left grip panel . . . . .                       | \$ 5.00 |
| C0046 | Right grip panel. . . . .                       | 5.00    |
| C0047 | Barrel shroud with retainer (stripped). . . . . | 20.00   |
| C0048 | Receiver cap. . . . .                           | 10.00   |
| C0049 | Barrel (pitted bore) . . . . .                  | 50.00   |
| C0050 | Bolt assembly . . . . .                         | 50.00   |
| C0051 | Return spring . . . . .                         | 10.00   |
| C0053 | Magazine housing (removable type) . . . . .     | 10.00   |
| C0054 | Retainer for magazine housing . . . . .         | 5.00    |
| C0055 | Buttstock assembly. . . . .                     | 20.00   |
| C0058 | Trigger . . . . .                               | 10.00   |
| C0059 | Sear . . . . .                                  | 10.00   |
| C0060 | Ejector . . . . .                               | 10.00   |
| C0061 | Cocking handle. . . . .                         | 20.00   |
| C0062 | Front sight . . . . .                           | 10.00   |

## TURKISH MP5 PARTS SET

Complete parts set removed from Turkish MP5A3 machine gun. Each of these weapons were fired fewer than 100 rounds. You receive every part of the weapon except the receiver.

- \* Complete 3-lug barrel/front sight assembly
- \* Bolt/bolt carrier/recoil spring assembly
- \* SEF grip assembly with push pin
- \* Retractable buttstock assembly with push pin
- \* Rear sight assembly
- \* Magazine catch parts including "paddle" magazine release
- \* Slimline forearm with push pin
- \* Magazine and magazine release bushing are **NOT** included

**\$995.00**

## BRAND NEW PARTS FOR YOUR UZI!

### \*IMI parts for Uzi SMG

|           |   |       |
|-----------|---|-------|
| 1000101   | 10.2" barrel . . . . .                      | \$150 |
| 3560101   | 9.2" barrel . . . . .                       | 165   |
| 1073000   | Top cover assy., black . . .                | 100   |
| 1023000   | Top cover assy., parkerized. . . . .        | 90    |
| 1031000   | Bolt/extractor/pin assy. . . .              | 170   |
| K35       | Extractor/pin . . . . .                     | 45    |
| 1060120   | Return spring assy. . . . .                 | 30    |
| 1120400   | Grip body black. . . . .                    | 100   |
| 1074000   | Grip assy. . . . .                          | 395   |
| 1060471   | Split bushing . . . . .                     | 15    |
| 1000411   | Sear . . . . .                              | 65    |
| 1060420   | Trigger/interrupter assy. . .               | 75    |
| 1060431   | Change lever . . . . .                      | 25    |
| 1000212   | Ejector . . . . .                           | 15    |
| K37       | Grip panels/screws . . . . .                | 40    |
| K58       | Grip/handguard panels/screws/nuts . . . . . | 85    |
| 1360000   | QD buttstock wood . . . . .                 | 165   |
| U1360000U | Used QD buttstock wood. 100                 |       |

### \*FN parts for Uzi SMG

|         |                              |       |
|---------|------------------------------|-------|
| 1010101 | 10.2" barrel . . . . .       | \$130 |
| 1013000 | Top cover assy., black . . . | 75    |
| 1010400 | Grip body, black. . . . .    | 75    |
| 1040400 | Grip body, parkerized. . . . | 65    |

### \*IMI parts for Mini Uzi SMG

|         |                               |     |
|---------|-------------------------------|-----|
| 463000  | Top cover assy., OB. . . . .  | 150 |
| K29     | Bolt assy CB . . . . .        | 495 |
| 460120  | Return spring assy. OB . . .  | 40  |
| 910120  | Return spring assy., CB . . . | 40  |
| 1120400 | Grip body . . . . .           | 100 |
| 464000  | Grip assy., OB. . . . .       | 450 |
| 504000  | Grip assy., CB . . . . .      | 495 |
| K85     | Buttstock assy. . . . .       | 190 |

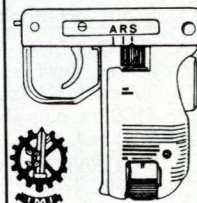
### \*IMI parts for Micro Uzi SMG

|        |                           |     |
|--------|---------------------------|-----|
| 960101 | 5.2" compensated barrel . | 165 |
| K84    | Buttstock assy. . . . .   | 190 |

Many other IMI parts available; call for information. Deduct 10% if your Uzi parts order exceeds \$1,000. additional discounts to FFL dealers with FFL on file.

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- \* Brand New Black Finish Genuine I.M.I. \*



|         |  |                 |
|---------|--|-----------------|
| 0504000 | Grip assembly for Mini Uzi closed bolt SMG | <b>\$495.00</b> |
| 0464000 | Grip assembly for Mini Uzi open bolt SMG   | <b>\$450.00</b> |
| 1074000 | Grip assembly for Uzi SMG                  | <b>\$395.00</b> |

Prices subject to change without notice. Dealers should send FFL/SOT for dealer discount.



# CLASSIFIEDS

## WANTED

110

**Wanted: C&R** holder wants 98%+ MP44/Stg 44. Only one chance to purchase and need a no-problem rifle the first time. All variants considered. Stan/Shona (813) 754-8665 Florida.

**Wanted: M79** receiver, will trade extra set of parts or other items. Call Dutch (812) 854-7323. (jun)

**"Machine Gun News"** back issues wanted, April 1987 thru August 1990. No photo copies. Will pay \$400 for these 41 issues. 45-70 and other rifle caliber revolvers wanted. Rick Leach 4304 Rt 176, Crystal Lake, IL 60014 (815) 459-6917 Fax (815) 459-9430. (xaug)

**Wanted M16/AR 9** mm conversion, old side feed (magazine) model. Also .22 LR conversion for Browning Hi-Power. Dave (907) 373-7313, call anytime. (xapr)

**Wanted NIB** Pre-86 Mini-Uzi, original, also factory original Colt M16A2 NIB. Factory paperwork desired. Call Bryan Pritchard/Tactical Weaponry (770) 445-7043.

**BAR Info:** I am researching to write the definitive book on the BAR. If anyone has anything unusual or interesting concerning this splendid rifle, please send to: REBAR Jim Ballou, 122 Lafayette Rd., Salisbury, MA 01952. (617) 592-3994. E-mail address: ptcraven@ici.com. (xmay)

**Wanted Beretta** SMG 9 mm mags, for M12, M38-42/40 rounders or M12 or 12s/32 rounders. Finish not important but must function! No big dents! Will pay for good mags. Support gun owners rights! Call anytime before 24:00 EST. (508) 858-0986 Nelson J. Thompson Guns. (xmay)

**Need 1917A1** front section from trunion forward, to include hose and condensing can. I will pay cash or I have numerous trades. I will assemble Brownings for \$200.00 plus parts. Call (970) 330-8157 with details.

**Machine Gun** wanted. Class 3 dealer desires HK MP5 (German), Thompson M1A1, Mini Uzi, Uzi .45 cal. barrel, etc. pre-May dealer samples - Lucy or Bob. Please, reasonable prices phone (504) 643-8978 or fax (504) 639-8255. (xmay)

**Stoner 63A** parts, accessories, literature, information, memorabilia needed. Jerry (217) 826-2919. (xoct98)

**Looking for East bloc** ammo in calibre 5.45 x 39 mm and also any three or four round magazines for the Franchi Spas 15. FBC: Ivan Grayson (800) 366-9307. (xapr97)

## AMMUNITION

115

**.22 long** rifle tracer ammunition! HV-functions in auto-loaders! 150+ yard trace! Guaranteed! Send SASE for information. Mail to OSSI, (dept. Tracer-MGN), PO Box 965332, Marietta, GA 30066. (xjul)

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120

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**Quality inventory** for sale: Colt M16, BM59, Steyr AUG 223 w/9 mm kit, TRW M14, HK 4 position packs, pre-86 MP5SD +, pre-86 MP5K, AWC CQB & Thundertrap, 9 mm Uzi bolt, pre ban SR25 match, SIG AMT, AMAC .50 cal. Call for details (330) 492-0551, fax 5519.

**Suppressed Olympic Arms** .45ACP upper conversion for M16. Suppressed by Sound Technology. Full auto 45 bolt. Very quiet and accurate. Includes 4, hi-capacity mags. Feature item of August 1995 MGN article. \$650. Steve (770) 494-1839.


**Uzi Submachine gun**, Frankfurt Arms registered receiver conversion of Israeli-made gun to full auto, runs great, all NFA rules apply \$2200, Walther TPH .22LR with screw-on suppressor \$650, Marlin Camp Rifle .45 ACP with Sound Technology suppressor \$750. Call Dutch (812) 854-7323.

**.50 Cal BMG** fixed mount belt chures, flexible hi-temp stainless, 30" each, w/clips on ends, only 4, \$100 ea. plus shipping. New O/D Frag jacket XL, New vehicle crew Frag vest, reg-small, \$100 ea. Austin (210) 693-6991, sales final. (x)

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125

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**Retirement Sale.** Closeouts. Browning cloth belt loaders, new, complete G.I. with .308 conversions included \$175. .308 Conversions for those who already own a cloth belt loader. \$40. ea. Feed ramps for cloth belt loader \$40. Federal laboratories 38 mm Tear Gas Guns, Top Break, all aluminum, \$250. ea. Several available that are complete but stock tangs are broken or missing \$200. ea. ArmaLite AR-10 receivers, semi auto re-MFG. Re-finished. \$450. ea. M14 Bipod original \$250. unissued transferable Uzi, I.M.I. \$1900. Hahn Machine, 3101 Sussex, St. Charles, MO 63301. (314) 946-9567. (xapr)

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**Mail your neatly printed or typed ad to MGN, Classifieds, PO Box 20459, Hot Springs, AR 71903 FAX (501) 525-7519 (24 hrs).**

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✓ Check the appropriate box.

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## CLASSIFIEDS

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### MAGAZINES 185

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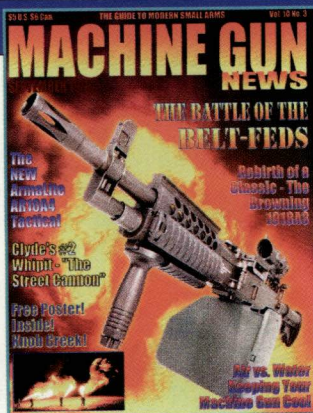
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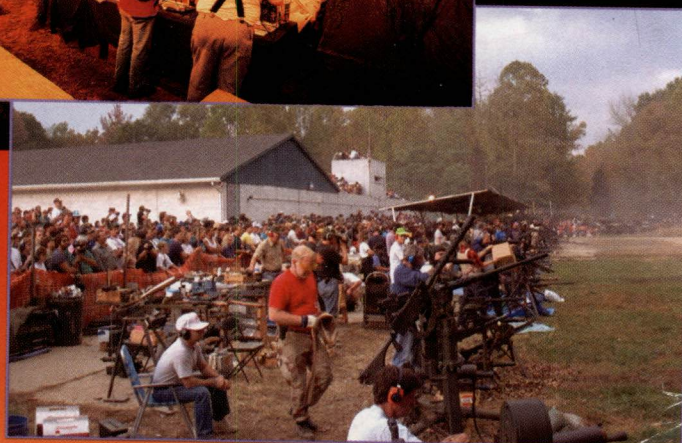
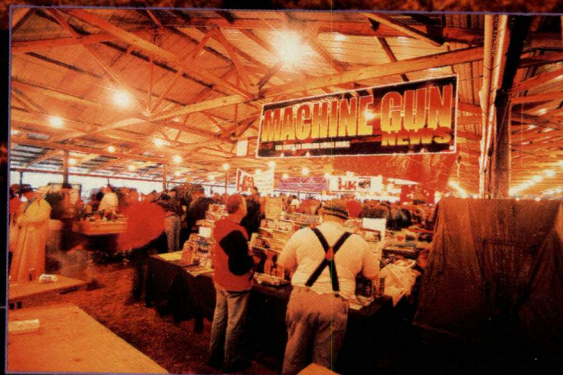
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