

# Machine Gun News

**KNOB CREEK**

**BERGMANN 35/I  
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THE ACCURIZER  
THE TWENTY TUZI  
S&H's UZI SUPPRESSOR**

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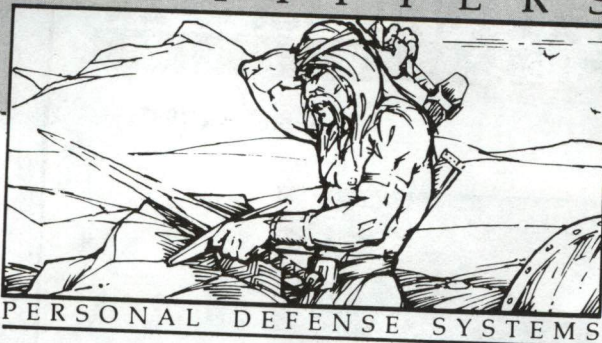
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By Jonathan Arthur Ciener  
(Form 1)

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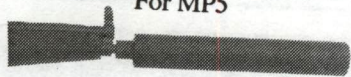
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# THE MAGAZINE FOR FULL-AUTO ENTHUSIASTS

# MACHINE GUN

N E W S

Volume 6 Number 4

September 1992



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On the Cover: Knob Creek Photo: Bob Naess

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

## Advertising rates

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## Contributions

We welcome original material but it must be accompanied by return postage and we assume no responsibility for loss or damage. If accepted, payment will be made upon publication at our current rate. For more information send for writers guidelines.

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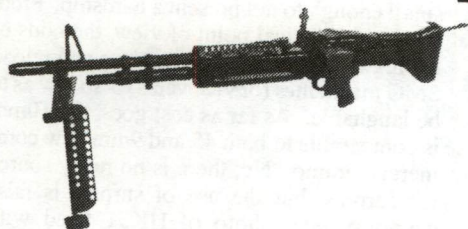
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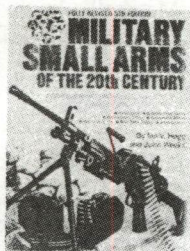
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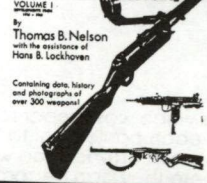
## LINKS-LINKS-LINKS-LINKS-AND MORE LINKS

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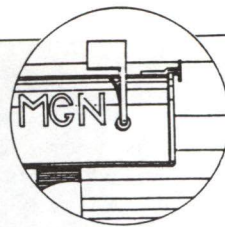


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# Incoming



## NEAL KNOX INTERVIEW

As with all of your articles, I thoroughly enjoyed Ken Carter's "Interview with Neal Knox" in the current (July '92) issue of MGN.

In the interview, Mr. Knox stated in reference to NRA board members, "I can't offhand think of any members who are Class III or Title Two owners..."

Anyone who has watched Mike Dillon's excellent video, Machine Gun Magic, has seen newly elected NRA board member (and Tuscon attorney) Sandra Froman demonstrating her Stoner 63A in the belt-fed light machine gun configuration while hosing the Arizona desert. I suspect that qualifies her as a Title Two owner. Ms. Froman, a long time shooter, is a vocal and articulate defender of the Second Amendment and the right to own all types of firearms. She makes an excellent addition to the NRA Board of Directors.

Respectfully,

Philip H. Dater, MD

*Sorry for the unintentional slight. Neal called back after the interview had gone to the printers to say he'd had a momentary lapse when trying to think of an NRA Board member who was a Title 2 owner, and neglected to*

*mention Sandra Froman. He said his wife, Jay, reminded him that, when he and their son visited Sandy and her husband, Bruce Nelson, in Arizona, they shot machine guns off the back patio, and had a ball!*

## MP5/10 vs MP45, I

In response to the MP5/10mm vs MP45 debate, I agree with both Jim Schatz and Dan Shea but think a couple of key points were missed.

Heckler & Koch has the engineering and manufacturing capability to build virtually anything they set their mind to. The key, as always, is what is the return on their investment-will the new product make money? There also has been a certain attitude by HK, and others, regarding where new ideas come from. The fact that they chose to introduce a new 10mm MP5 (and the MP5K PDW) not only means they think it will make money but shows a new trend toward satisfying customer needs; a trend that I hope will be continuing with the new management, both here, and in Europe. Fleming Firearms also has demonstrated the ability to come up with new ideas. I do think they should tend to getting

existing customer orders out, instead of trying to stay ahead of Smith & Wesson in the gun of the week contest.

The specific question of ammunition interchangeability with the sidearm is not an issue. Although it makes life easier for the armorer/quartermaster from a logistic point of view, the volume of SMG ammo is usually small enough to not present a hardship. From a practical/tactical point of view, the odds of having to deload pistol magazines and reload SMG magazines (or vice versa) is so low as to be laughable. As far as cost goes, the 10mm is comparable to both 45 and 9mm new commercial ammo. No, there is no ready source for surplus, but the use of surplus is false economy (see photo of HK51 fired with surplus CBC in the July issue). Dan's comparison to 454 Casull is not realistic. Every pistol manufacturer has or is rushing to bring out, a 10mm and many agencies have adopted it. The price will come down.

That gets us into the real question of ammunition performance. Some people feel the 9mm is not an adequate caliber for a defensive pistol, obviously, or there wouldn't be a selling point for .40S&W, .45 or 10mm. However, Evan Marshall's book, referenced

## Training Videos NOT Show & Tell

### Personal Limitations in Tactical Handgun, Shotgun & Submachine Gun

This video was prepared from a two-day live training program at PPS's outdoor facility in the Pocono Mountains. The purpose of the program was for each participant to know his limitations with carry handgun, combat shotgun and submachine gun. The submachine gun was covered because in attendance were law enforcement participants who are issued SMG's in their line of duty & people involved in international travel where they can become victims of terrorism. This series will be most beneficial to instructors working with these three weapons and advanced students of small arms. Parts I through IX (3 tapes) Running time: Approximately 4 1/2 hours

\$134.95 VHS (for 3 tapes) \$149.95 Beta (for 3 tapes)

### Introduction To Select Fire Submachine Guns

This program takes a novice through the history and development of submachine guns and both strong & weak points. It also covers both open bolt & closed bolt submachine guns, along with various shooting stances & firing techniques. Running time: Approximately 5 hours (3 tapes)

\$149.00 VHS (for 3 tapes) \$164.00 Beta (for 3 tapes)

### The Breakdown, Reassembly & Function of the UZI SMG, S&W 76, & MAC 11-9mm SMG

This video covers the UZI submachine gun which is one of the most tried and tested open bolt submachine guns in the world today. It is a general purpose weapon which cycles at 650 rounds per minute. Also the S&W 76 submachine gun which cycles at 720 rounds per minute and is no longer manufactured by Smith & Wesson but it is available on the Class 3 market and it is an excellent general purpose weapon. Finally the last covered is the Mac 11-9 mm submachine gun which is a special purpose weapon & cycles at 1200 rounds per minute. It is manufactured by S.W.D. and with a muzzle extender or sound suppressor, it is quite controllable. Running Time: Approximately 40 minutes

\$29.00 VHS

### The Role of the Submachine Gun in Police Work by Attorney T. J. Mullin

Attorney Mullin demonstrates 12 different weapons & explains their advantages for law enforcement. Running Time: Approx 35 minutes

\$29.00 VHS

### Hackathorn/Lipman Handgun, Submachine Gun Certification Program Instructor Level Training

In October 1988, Ken Hackathorn of Practical Firearms Training, & Aron Lipman of Personal Protection Systems, co-instructed a program at PPS's facility in the Pocono Mountains of Northeastern Pennsylvania. This was a 30 hour intense program concentrating on carry handgun and submachine guns in both defensive and offensive posture. This series will only be available to do those who do high levels of instruction, it goes through Advanced Level I training through Advanced Level II training. To name just a few of the subjects covered...single entries, double entries, proper utilization of cover, paint gun scenarios utilizing entries and much, much more. Running Time: 10 hours (5 tapes)

\$245.00 VHS (for 5 tapes) \$270.00 Beta (for 5 tapes)

### John Farnam of "Defensive Training" Instructing His Techniques with the Submachine Gun

John emphasizes on long burst techniques with the submachine gun on this video. Running Time: Approximately 90 minutes

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by Jim, shows 9mm factory loads with nearly the same percentage of one shot stops as 45 loads. But, none of this is relative since we are not talking about pistols. We are talking about submachine guns! The advantage of a automatic is the ability to put three rounds into a target in such close succession as to overload the central nervous system. Three rounds of 9mm in less than a quarter of a second will work better than any number of 10mm or 45 from a pistol. This is the primary reason to use SMG's in tactical operations, period. As far as greater penetration of the 10mm, does it do anything that an HK53 can't do?

Will Heckler & Koch make money with the 10mm? Probably. Will Fleming Firearms make money with the 45? Probably. Would I recommend a 10mm to a L.E. agency? Maybe. Would I recommend a 45 to a civilian? Probably. Will I rush out and trade my MP5 for a 10mm or 45? Probably not. But, maybe for a PDW.

Sincerely,  
Andy Cote

#### AND MORE MP5/10 vs MP45

After reading your letters on the debate over the MP5/10 versus MP45, I have found a few faults on both sides of the debate. A little background on myself, I have been with the New Hampshire State Police SWAT team for six years and the last three years we have been using H&K MP5's in 9mm.

One of the biggest reasons that we went to the H&K MP5 was a problem of over penetra-

tion with the CAR M-16's (.223) we were using.

Mr. Schatz talks about 13 to 23 inches of penetration in ballistic gelation with the MP5/10. I feel as a tactical user, that 23 inches of penetration is way to much and that you will run into problems with hostages and inner perimeter personnel being struck with bullets after they have penetrated through there intended targets (i.e., the Fred Meyer/Pacific First Bank Hostage Incident in Portland Oregon). If I were looking for 23 inches of penetration, I would be looking to shoot my targets with a .223 or .308.

Mr. Schatz provided an example of a subject being shot with a 45 ACP pistol, he failed to point out where the hits were on the bad guy's body, he just says chest shots. They must have been superficial wounds. But, if you are looking for instant incapacitation, you are going to have to make some kind of a spinal cord shot or a head shot to the brain. Just about anywhere else, you would almost always have to wait for the subject to bleed himself to death (i.e., the Miami shooting with the FBI; the bad guy received a fatal wound to the chest at the very beginning of the shoot out, but was still able to kill two FBI agents and wound several others).

Mr. Shea on his evaluation of the MP45 never mentioned what Bill Fleming used for a locking piece on his MP45. As you both know, the wrong type of locking piece and you will have reliability problems with the weapon or the weapon will beat its self to pieces. Which is what I have heard from two

different people who have fired the Fleming MP45.

Again as a tactical user, I would never use or ask a fellow team member to use a weapon system where there is a question of reliability.

On Mr. Shea's evaluation of the MP45, he talks about a tactical team using 157 gr. custom reloaded subsonic loads (the bad guys family attorney can see dollar signs with the word reloaded) in a MP5SD. Any team using a 157 gr. subsonic bullet in a MP5SD, does not have a clue on how the MP5SD system works and the theory behind the system. The system is designed to work with a supersonic bullet (i.e., 115 Silver Tip). I feel that the people using the MP5SD failed to use the system properly and not that the system failed them.

My last thought about Mr. Schatz comments about taking shots out to 200 meters with the MP5/10. I'd have to agree with Mr. Shea, that shots at 200 meters in the tactical world would never happen with a submachine gun. That is sniper territory and it would be addressed with a .308.

I will stay with my factory MP5s in 9mm. I know, I'm going to get good penetration but not over penetration and when I pull the trigger I know the factory guns are going to shoot.

As for shooting bowling pins with the MP45, it may work out great but if the system fails, the only thing you have is a missed bowling pin, because bowling pins aren't shooting at you.

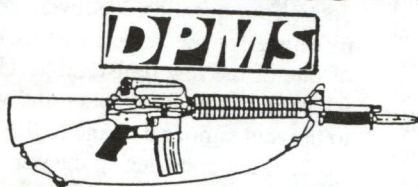
Sincerely,  
Patrick J. Poirier

## Mil-Spec

## M16 - Full Auto - Parts

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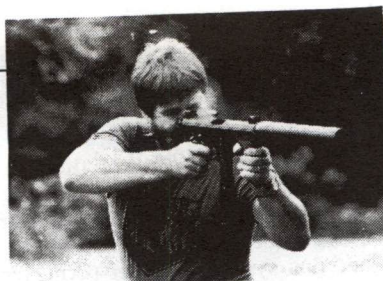


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# Raffica

by DAN SHEA



The first order of business this month is to clarify some of my verbal gobbledy gook. I have referred to the Class 3 people out there as Rafficians and other bastardizations of that Raffica word (Italian for "full auto" or burst, from my Berreta Modello 12) for five years. We are not "rastafarians". Kindly end that nonsense immediately. I won't answer any letters of that magnitude of ignorance. Next, I made a mistake. I am a Reasonably Knowledgeable Individual(RKI), not an expert or perfect person. When you convert an M-3 greasegun magazine to a MAC-10 mag you must remove an equal amount of metal from the tops of the mag well stops on each side of the mag as you do from the rear of the reinforcing sheath that locks into the mag catch. This allows the mag to slide into the well far enough to properly place the feed lips in the feed position.

I also have some more information on the Spitfire SMG, from Bill Vallerand, an old time Class 3 nut in Maine (I was going to say something nice about him, but while you are reading this, I am interviewing him about Class 3 dealing in the 1950's and 1960's for the upcoming issue of MGN. He's an ornery old cuss). Bill says that Bill Ordner was the manufacturer of the Spitfire SMG in Stratford, Connecticut. Manufacture was done in 1962 and 1963. Spitfires were built with both round and square receivers, and some had M-3 A1 Grease Gun bolts. Bill Ordner lost his hand working on explosive projectiles on Bannerman's Island, and designed the right hand grip so that it was functional for him to use. That's what Mr. Vallerand says, I cannot verify it, but it is an interesting piece of history. Bill Ordner was also Val Forgette's brother-in-law. Mr. Ordner also manufactured a copy of the PPS-43 SMG, and interestingly enough, a 22 LR sub caliber kit for the PPS-43.

**Q** I have subscribed to MGN for about 2 years now and enjoy the magazine very much. It is one of the high points when it arrives. Help with the following would be much appreciated.

1. I have an Uzi Model A conversion (reg. receiver) with probably no more than 2000-3000 rounds on it total; I am the second owner, and I know the previous

owner well enough to believe these figures are reliable. Over the last 200-300 rounds or so, I noticed that the bolt is beginning to carve grooves on both sides of the floor of the receiver, which is most noticeable at the margin of the holes through which the sear engages. I know that some wear here can be expected but these grooves are nearly 1/3 of the metal thickness at some points which must be abnormal. The bottom contact points of the bolt (though a welded-up semi bolt) do not seem rough enough to be causing this, but I don't know what else would. I've talked with one machinist, and though these grooves could be repaired with tag-welding, the clearance in the "trough" inside the receiver is so small that machining this back to a smooth surface would be difficult. The question is why is this happening all of a sudden, and what can I do, if anything, to retard or prevent this? Is there any hardening process or other treatment that can be done to prevent this. Any space age lubricants that would help? Is the Uzi an "EXPENDABLE" weapon which will have this occur regardless of what the user does. This question has even greater significance for me since I just took delivery of one of the few transferable Uzi SMG's which I do intend to shoot and would like to prevent similar damage to this gun.

2. I am considering the purchase of an M-60 in the near future. I notice in ads of the larger dealers that Maremount invariably commands higher prices than Rock Island. Are there any specific reasons for this, other than greater "collectability" for the former? Specifically are the Maremounts better built, more reliable, etc? The E-3 Model M60 you describe in the Machine Gun Dealers Bible as having "various internal improvements" what are these, and can these E3 parts be retrofitted (by a non-gunsmith) into an older Maremount? Finally a brief history of the various Maremount plants - Saco, "New England", etc., with their dates of operation would be appreciated.

Many many thanks and keep up the good work on a truly great magazine!

Bob

**A** First the Uzi. The SMG was made to fire 100-200,000 rounds. It is heat treated, and hardened for long use. The semi auto

guns imported into the U.S. were never intended for that kind of wear. Talk to your machinist or gunsmith about heat treating it. Then, there has got to be a sharp spot on that bolt. They don't wear for no reason. Stone the edges and surfaces. I guess we might as well discuss the slotted bolt situation right here. If your converted Uzi has a welded up semi-auto bolt in it, then you have still got the blocking bar in the receiver, and cannot legally remove it. Reach inside the ejection port to the rear, and see if there is a bar welded inside. If not, you can buy a new SMG bolt and install it. If the bar is there, you cannot put a different bolt in the gun, making a slotted Uzi SMG bolt is making a new machine gun, which is illegal. You can not remove the block either, because, even though you have a registered receiver machine gun, BATF considers removing the block manufacture of ANOTHER machine gun. Apparently there are two machine guns there when you do that - the original gun and the hole where the blocking bar was. Don't ask - I don't understand, but that is the way it is.

The most noticeable of the internal M-60 E3 differences is going to be the two sear catches on the Op rod, covered in another issue of MGN. We have an up-coming series on the M-60.

**Q** Talking to you at the Creek is a true honor, exchanging bear hunting tips. We really enjoy "The Bible." We have only one question. Is it true that an hour after shooting Chinese ammo you get the urge to go shooting again?

Little Fat Guy & Little Fat Guys Wife  
George & Laurie Christy

**A** Glad to see you have gotten over the trauma of being called the Little Fat Boy. It was most distressing, and I was afraid that it would affect your aim at Knob Creek, but then I remembered watching you with the Browning and realized you don't aim. And, yes, it's true, when you shoot Chinese ammo you get the urge an hour later. Let's not even get into what Mexican ammo does. Or French.

**Q** Regarding your comment the "BREAK FREE" is the same material as CLP MIL-L-63460D. Commercially sold "CLP" has a

much lower viscosity, and I doubt that it would meet half of the qualifications outlined in the above mentioned specification. If it would the manufacturer would proudly print "MEETS MIL SPEC MIL-L-460D" on the package. I have enclosed copies of MIL-L-63460D CLP and MIL-L-46000C LSA for your reference. Read the section titled "weapon performance" and I think that you will be amazed. There are many tests used to evaluate a lubricant, and we are familiar with most of them. If you and your Editor are interested, I would be willing to write an article about lubrication as it applies to weapons. If you have a need for more information, MIL specs, etc. please feel free to contact me.

Brad Herrick  
Rocky Mountain Arms, Inc.

**A** For the purposes of the discussion at hand, Break-free does the job. You are 100% correct about it not being the same or meeting the same exacting standards as CLP. For the Rafficarians out there who desire to reach excellence in a lubricant, I am sure we would appreciate an article on it as it related to machine guns - go for it, Brad.

**Q** I must correct a gross inaccuracy regarding the letter in your May Raffica article from Jerry. The Enfield Sporter (semi L85) is not a CDA product. It's an Arms Room prototype, designed by myself one and a half years ago in Riverside, CA.

Jerry must have stopped by the table Jeff (CDA) and myself shared at the Great Western Gun Show in Los Angeles. That's the only time the Enfield Sporter has had any public exposure with the exception of gun shows in the Northern California area where my wife and I presently live. The Enfield Sporter brings the people to the table.

While in my first week of my annual training with the National Guard, Jeff called my wife and said "What the hell is going on, I'm receiving orders for the Sporter and what did Larry do?" She told him to call back in a week and talk to me when I get back.

When he called back his attitude was completely different. As of Sunday, he received four or five orders with the possibility that three of them will be pre-paid.

He and I were dumbfounded, because of all the totally disgraceful after action reports coming back from Saudi on how the M16 performed.

Project summary: As it stands now, the program is on hold because for the past two years I've tried to get parts from Royal Ordnance. I've dealt with their office in

Virginia and the home office in the United Kingdom. They have no interest whatsoever in having semi L85's in public hands. IE: Ending SA80 exportation back in 1988. I was told by an individual in sales the Ministry of Defense doesn't want any SA80's ending up in the I.R.A. hands.

If enough interest in sales of lower receivers arises, I'll do up some forgings for a limited run on the guns that came in from Canada. Remember the design hasn't been ATF approved yet.

I trust this clarifies my position on this matter, and if you have any questions please feel free to call me.

Larry Reimer,  
The Arms Room Ltd.

**A** I would be interested in a receiver, on the chance of getting some parts, just because it's such an interesting system. But you are right, the after actions (I hear they are now called "Lessons Learned" Figures.) from the Gulf War were pretty negative. It may be a hard sell. Yes, there are a lot of people in high places who do not want these guns in the U.S., so the parts are going to be a problem. Larry, like I tell the other manufacturers, I would like it very much if you would keep me apprised of your project, and when you want to get the info out to the public, you can count on MGN.

**Q** As An Army helicopter pilot, I recently returned from "Ocean Venture 92" exercises at Camp Lejeune, NC. While there, I ran into several special OPS Troopers toting various permutations of the short barreled M16 series, to include the M4 and its older counterparts in the XM177 family. My problem is that while I am an RKI where the service designations are concerned, I have always found Colt's commercial marketing numbers to be confusing at best for such weapons. For instance, how does a CAR-15 differ from an M-16 carbine, or for that matter, a Com-mando? I have not seen any real consistency here with regard to either BBL lengths or modification series. Also where do Colt's model numbers fit in here (ie. what's a 614...)?

Ezell's "Black Rifle" retrospective was helpful, but it's date of publication precludes it from covering the more recent developments. Where do I find a better source?

Next Question: I'm one of those Southern Shooters who is consistently having to compromise between what I "like" and what is ergonomically feasible. So, with regards to the MP-5's, was a "non-thumbrest" (or even reverse molded) plastic SEF lower ever offered by anyone



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**1919 A4** (shooter) just parkerized, sharp. Was \$2295. now \$1995.

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of consequence? I've heard reference made to such pieces, although I suspect somebody is confusing this with the Navy or burst lowers. Incidentally, the copy of MGN you gave me two years ago in the Granite State turned me into a subscriber and I greatly appreciate your contributions to such a professional forum. Drive on! Chuck

**A** The Small Arms of the World has most of the answers to the Colt models, of which there are many. The ones not in there are the current "RO" series, and there are a lot of them also.

Here are the current basic MG models;

- 635- 9mm SMG
- 701-705 .223 M16A2 rifles
- 711-715 .223 rifle with thinner barrel and A1 sights
- 720 the M-4 carbine for the M-203 mount
- 723 carbine 14.5" barrel
- 733 commando 11.5" barrel
- 741 M16A2 H-BAR with bipod
- 750 M-16 LMG

The only factory ambidextrous housing for the HK series that I am aware of are the three Navy styles. There was a Greek or Portugese ambidextrous that fits on a steel lower, and I was able to locate some at Fleming Firearms - 918-665-3624.

**Q** As I was reading one of my favorite articles in the 2-92 edition (the article about Tim Bixler & Doc Dater, two of the finest suppressor developers and manufacturers) I slipped back a few pages to the article written by Al Paulson on the Mini Uzi, while it was a very concise article in Table 3, for the Micro Uzi, IMI only produced a closed bolt Micro Uzi, the open bolt micros are conversions.

Also we should be a little more reverent of the Ingram MAC's as they are really did a fine job of making a lot of people interested in our sport of full-auto firearms, a few years ago.

Bill Daley

**A** Thanks for the note on the Micro, I'm sure that it was a typo- we couldn't print any other kind of mistake! We'll try to lighten up on the MAC series, although I don't recall being too down on them. If you look in my vault, you'll find at least one of each type and most of the accessories. My first non-issue machine gun was a MAC. I still shoot them quite frequently. I just know most of their limitations and hesitate to smooth them over. The post-ammo let down is too intense for the inadequately informed. You have to have a lot of full mag's handy.

**Q** Hi, I'm a new subscriber to MGN and want to compliment the detailed answers you supply.

I just purchased a Hotchkiss Universal 9mm "parts kit" from LMO and would like to know what avenue to pursue to make it legal to shoot. Also a company name who might have a receiver for this gun.

Fred S.

**A** Without getting into it too deeply, the Universal is your basic "Tube" receiver, about the same dimensions as an MP-40 without the grooves. There are no registered receivers that I know of out there for the Universal. I suppose you could convert a Sten tube or MP-40 tube to do the job, but you would have to detail the conversion to Technology Branch BATF in Washington DC. If they feel that what you are doing is feasible they will OK it. There are a number of people offering non-guns, and I know that Stan Andrews ("Quality by Stan", 603-746-4387) is making Post 86 dealer samples for law enforcement agencies and dealers. Interesting piece.

**Q** Okay, I'll try to lighten up. LAWS Rocket has been one of those things that, for some reason, just really annoys me... just as referring to a magazine as a "clip" causes some people I know to gnash their teeth.

As for Sergeant Garcia, if he was using the term, LAWS Rocket, I would be interested in his source. I have never seen any field manual or training manual that does (see enclosed copy).

I am not surprised that the manufacturer is marketing the M72 as a Light Assault Weapon, given the reported ineffectiveness against the newer Soviet tanks. In Vietnam its primary use was as an "Assault Weapon".

I'll do my best to be more tolerant in the future...as you say, we are on the same side.

Stanley Crist

P.S. If anybody complains about the High Explosive Auto Tank rocket, I trust MGN will take "credit" for the typo.

**A** OK, OK. Truce. But Tell me, what IS an Auto Tank? A DeSoto? The Tank they had Dukakis in? Anyway, We'll be happy to take credit, anytime. Thanks for the neat manual, Stanley. I have piles of them and obsessively collect them- that was one I didn't have. By the way, it was DRILL Sergeant Garcia, speaking of proper nomenclature I pushed Fort Jackson from Columbia to Atlanta for leaving that one out.

**Q** Thank you for the good work you do. Single-handedly you do more to promote the rights of machine gunners than anyone

else visible. Understanding the swamp of interwoven laws is an important part of exercising what is left of our rights.

I would like to inquire about the MG3's. Since I shot an MG3 after SOF last year, have been keeping my eyes open in the hopes there is a transferable one available. I have found almost nothing in print about the evolution of this series from the MG42. One publication showed a photo of a 1967 manufacture gun, given me some hope that there may be transferable guns available. As a fallback of course, there seem to be two options. A Post 86 sample or conversion of a transferable MG42.

Kent Lomont offers a "kit" for the conversion, \$4,000 for a good MG42 plus \$3,250 for the kit. Arthur May of Republic Arms has suggested buying a \$ 3,500 Post 86 sample with the option of later dropping the appropriate parts into an MG42. It is unclear whether this is truly a "drop in " proposition or whether skilled machining is necessary. Certainly, if machining is necessary, Kent's good reputation precedes him. Do you have anything to offer on these issues?

In June's The Forms, you mentioned that you keep abreast of NFA related court cases. I would appreciate if you would bring me into "the loop" on the cases. Several of my friends could make good use of the information.

We have a very active gun rights group that meets monthly. Our group has many lawyers and is responsible for the Colt Sporter case attempting to overturn California's odious Robert-Roos ban. I would be happy to be the conduit to disseminate any and all information regarding NFA or other cases. If you find yourself in the SF Bay area (definitely not part of free America), I would welcome you to visit with our group.

Lastly, if no sooner opportunity arises, I hope to meet you at SOF. Peter Kokalis was kind in offering me and my AUG SAW a place in the Firepower Demo line and several of our friends will meet at the range late afternoon, after the Demo, to have a "rock & roll" party. Hopefully one of these will offer an opportunity to meet.

Keep up the good work and thank you for your help.

Edgar

**A** Kudos on the legislative work, Edgar, and I am honored that you guys appreciate the work we do here. I doubt I'll make the SOF convention this September having some other local obligations. Peter had extended an invite to me to bring Fat Alice (MG-52-2A Colt Browning .50 cal water

cooled on a Tora Tora mount) with crew and shoot with the "Emma Gees", and we would all like to, but, we shall see.

Regards the MG-3, very small chance of finding a transferable one. I have never seen one, and only seen one Pre-86 dealer sample. Art May's method would work, taking parts from a new manufacture MG-3 and installing them on an MG-42. That is basically what Lomont is installing. There shouldn't be any modifications necessary to the receiver to switch over, and I know Kent Lomont would talk you through it. I also know that Bob Landies offers a .308 conversion kit for the MG-42 that consists of MG-3 parts that are original German Rheinmetal manufacture, used and in excellent condition. The necessary parts are barrel, booster/flash hider with a restricted orifice, top cover, and feed tray. No modifications are necessary, and Bob can talk you through it. His price is \$850. Bob Landies at Collectors Corner-216-285-3481. Kent Lomont-219-694-6792. Art May at Republic Arms-713-682-5549. You can use M-60 disintegrating links or the MG-3 non-disintegrating metallic belts.

**Q** I recently bought a Green Steyr Aug, and would like to obtain a registered select fire trigger pack. I thought I remembered an article on the Steyr Aug and thanks to the index it was easy to find. The article said Vollmer & Co. made an excellent trigger pack, so I called them and they said I must send my Aug to them for installation of the trigger pack and a modification to the bolt carrier. Your article didn't mention a modification to the bolt carrier, is this a reliability improvement? And as far as changing the trigger pack, that is a 15-20 second job with the original one.

Now I don't question their wanting to do the job, its just that I enjoy doing my own work on my MG's when possible. Can you explain the modification and what it entails?

Thanks for the only magazine that I really look forward to receiving every month!

Tom D.

**A** The AUG is very temperamental. It has to have an RKI install the pack. Vollmer's has a good reputation on the AUG pack, and the bolt carrier weld up necessary to trip the sear were professionally done on the models that I saw them do. Let them fine tune it, they know from experience that just "dropping" the pack in is not enough for a satisfied customer.

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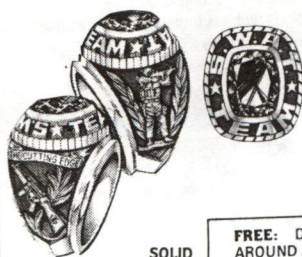
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question that has been asked before but I didn't see it so here goes.

I have an IMI UZI that has been getting a lot of use lately because we have a good Class 3 club going down here now. The only trouble is that now I go through allot of ammo.

I handload 9mm but I go through so much that it is not feasible to do this anymore. There's a guy out at the range who has been shooting the Egyptian corrosive, Berdan stuff that's available for about \$90.00/M. It looks good, shoots good and I thought that's the way to go. Then I started thinking about how to clean the gun after a shoot.

I have read many times about cleaning the gun with hot soapy water or using GI bore cleaner but, what about the rest of the gun? Surely the bad stuff gets all of the bolt and trigger mechanism.

Could you please describe the right way to clean the whole gun after using this ammo?

Thank you very much. Your prompt attention to this matter will be most appreciated.

D.H.

**A** Clear the weapon. Basic strip. Drop in soapy water, or pour it in. Let soak 5 minutes. Scrub, air dry and lube it. Or- dose every surface with GI bore cleaner- the old style that was for corrosive ammo. Later you can brush it down, finish the cleaning, drying and lubing. Go out and shoot. Then have to do it again.

In response to Steven R's query about a contemporary version of the DeLisle Silent Carbine from surplus Enfields and Thompson barrels: We've done this at Sound Technology, and a company in the U.K. has, as well. However, a few points should be brought out about the concept:

1. When the Enfield buttstock and grip was designed it was built to double as pike handle or bayonet thrust weapon as much as a rifle. Heft one, and you'll see what I mean. A useful concept when ammo was in short supply or unreliable (during the 1800's), but not as important today.

2. The school of thought in the 30's and 40's (regarding sights) was to have them as close to the bore axis as possible. Hence DeLisle eccentric suppressor can. Fifty years later we now know that 3 to 4 inch distance between the two can be quite effective, and may actually have beneficial effects with regard to trajectory.

3. The 2 & 1/4 OD steel can on the DeLisle was excessively heavy. When properly set up, the can/barrel was quite accurate. The 45 ACP is an extremely ac-

curate round. However, when the DeLisle was improperly assembled (say, after cleaning and disassembly) accuracy could be very poor. Al Paulson has heard groups of 18 to 20" being reported.

The bottom line is that the DeLisle is a really neat historical piece that served England and its allies well. Today there is a small collector market out there for mechanically accurate (read expensive) reproductions.

With regard to function, however, there are better ways to approach the basic concept. A good start would be to use lighter materials. And a concentric design, which is easier to construct, inherently stronger and more accurate.

The contemporary English version (currently out of production due to lack of demand) has an interesting twist. It uses at the standard, large capacity .303 magazine, with a short Colt 1911 mag inserted near the front. During the extraction cycle the spent brass is ejected downwards into the rear portion of the larger magazine and captured there. A truly wonderful concept with many useful benefits.

To answer Steven R.'s question the currently inexpensive .303 action and the stock juncture are massively strong and quite serviceable. The action is smooth and the trigger is fair. The change to .45 caliber the addition of an integral suppressor, however, is expensive to produce, thus offsetting any possible benefits in economy over the .45 Camp Carbine. Those customers who take the time to test fire for accuracy their .45 camps before sending them on to me for suppression are rewarded with really accurate firearms. Marlin has really improved their quality recently.

The .30 MI Carbine is easily converted to .45 caliber although it must be manually operated to achieve reliability. C.W. Carlson (402-388-4868) does the work for a modest fee. Conversion to .45 Win Mag would provide enough punch for reliable semi auto operation, but would unfortunately exceed the speed of sound.

Mark White

**A** Thanks for the info Mark. Mark's work has been featured in MGN and is considered top of the line - no hesitation on considering this info from an "RKT"! Mark White, Sound Technology PO Box 1132, Kodiak, AK 99615 (907)486-8448

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HK51A3 with reg. rec., needs refinished, metal lower . . . . .	\$1850	UZI IMI, reg. rec., excellent . . . . .	\$1500
HK51A2 SEF lower by Vollmer, very good . . . . .	\$1950	UZI IMI, with reg. rec., rough . . . . .	\$1150
HK51A2 SEF lower, by Fleming, excellent . . . . .	\$1950	Mini UZI, closed bolt, excellent . . . . .	\$1795
HKMP5A3 by Ciener, with metal lower, as new . . . . .	\$2700	Walther MPL 9mm Pre-86 D.S. UZI by Group 9mm, NIB . . . . .	\$1295
HKMP5A3 by S&H, with three lug barrel & SEF lower, mag paddle release, new . . . . .	\$2895	Winchester BAR 1918, original with walnut stock, no rust, mechanics perfect by the gun is almost in the white . . . . .	\$3200
HKMP5K with SEF lower, mag. paddle release, NIB . . . . .	\$2175	H&R Reising 50, in the hard case with 4 mags, very good . . . . .	\$695
H&K MP5SDA2 by Qualified, with metal lower, gun, excellent, suppressor needs paint . . . . .	\$2975	Sterling MK7A4 Pre-86 D.S. . . . .	\$1295
		H&K MP5A2 with Reg. Rec., by Fleming, as new . . . . .	\$2750
		Thompson 1928 Nurmich . . . . .	\$1795
		Swedish K by Pearl . . . . .	\$1250
		MP5A3 New early conversion with reg. rec. . . . .	\$2795

## SUPPRESSORS BY PRECISION ARMS

*9mm Wipeless, 1 3/4" X 10", built for M-11, will work on any 9mm m.g. . . . .	\$249
*45 ACP Wipeless, compact for the MAC 45's . . . . .	\$249
*22 Cal. Wipeless, these are great on TPH or Beretta 21's . . . . .	\$99
*9mm for MP5 with three lugs . . . . .	\$395
*9mm for UZI, replaces barrel nut . . . . .	\$395
223 for M16, all stainless compact . . . . .	\$395
Browning, Ruger KP85, or Beretta 92F with a small well pack 9mm suppressor installed, very compact, you still can use your sights and the gun will cycle. . . . .	\$895
Colt 45, same style suppressor . . . . .	\$895
Walther TPH, same style . . . . .	\$599

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Ruger KMK 22LR pistol, stainless . . . . .	\$625
Ruger 77/22 22LR, stainless, bolt action . . . . .	\$625
Ruger KP512 22LR, stainless, with 45 style grip . . . . .	\$595
Ramline target 22LR pistol . . . . .	\$495
Marlin Camp Carbine in 9mm of 45 ACP . . . . .	\$650
Colt 9mm AR-15 CAR . . . . .	\$1250

## COLT 1921 AC THOMPSONS



Serial#	Description	Price
5551	Finish thin, brown, no rust 70% . . . . .	\$3400
8753	Finish parkerized, marking still clear & deep, wood fair . . . . .	\$3300
8586	Original good, blue 85% . . . . .	\$3900
3234	Original blue, nice gun bulge in barrel 85% . . . . .	\$3500
8127	Original finish starting to brown, wood fair, good gun 80% . . . . .	\$3400
7717	Original blue, wood good 85% . . . . .	\$3900
7837	Reparkerized, good . . . . .	\$3500
8820	Brown finish, thin, no rust, no pits, wood rough 70% . . . . .	\$3400
6955	Original blue, good wood, 7 or 8 light flecks rust 75% . . . . .	\$3500
7269	Original blue, 4 or 5 light rust flecks pencil lead size 80% . . . . .	\$3500
7628	Reparked, good . . . . .	\$3300

## FULL AUTO MAC SALE



SWD M-11, 9mm NIB . . . . .	\$350
M-10, 45 ACP, (NIB), Powder Springs . . . . .	\$599
SWD M-11 A1, 380 Cal., NIB . . . . .	\$499

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# Scattered Shots

by KEN CARTER

For most of my gun-loving years, I have held Bill Ruger and the guns he makes in high esteem. My first pistol was a .22 Ruger Standard (\$37.50 back then), my first centerfire handgun a Blackhawk .357, and I bought the first Model 77 rifle I ever saw. To me, William Ruger personified the spirit of America: genius, coupled with insight and perseverance. Right up there with Teddy Roosevelt.

Watching the recent anti-gun NBC offering, *America the Violent*, I felt embarrassed for him as he agreed with moderator Tom Brokaw that a waiting period for gun purchases was a "reasonable" step to keep firearms from criminals. Even Sarah Brady doesn't believe that!

Before that - during the "assault rifle" hysteria following the Patrick Purdy shooting - Ruger had angered pro-gun groups by advocating a limit on the size of magazines for pistols and rifles...and, consequently, machine guns. There was talk of a Ruger boycott back then, but it never materialized. It won't now, either.

Why? Mostly because the main-stream gun media, afraid of losing the big bucks brought in by full-page Ruger advertisements, won't push it.

What is his problem, anyway?

I remember reading once about an heir to the Winchester fortune who was driven 'round the bend by the "ghosts" of those whose demise was hastened by the legendary lever action rifle. Et tu, Bill?

\*\*\*

Credit, by the way, is due former Colt's Manufacturing Company President Ronald Stilwell, who spoke up for gun-owners during a panel discussion at the end of that same program. Considering the panel's three-to-one "anti" bias, Stilwell (who is also President of the American Shooting Sports Coalition) did an admirable job of calmly and logically presenting the pro-gun message.

Ironically, Colt's let him go about the time the program aired.

\*\*\*

Chalk up one for the "gun guys"! The vote was close - 5 to 4 - but the

Supreme Court has ruled against BATF's contention that a Thompson/Center pistol-carbine "combo" kit is subject to a \$200 transfer tax as a "short-barreled rifle". ATF had held that, since it is possible to assemble a firearm using both the short, pistol-length barrel and the carbine buttstock, the package should be considered an NFA weapon.

The majority, consisting of Chief Justice Rehnquist and Justices Scalia, Thomas, O'Connor and Souter, favored T/C's position. Since it is equally feasible to construct a "legal" carbine, they found, mere possession of the parts to assemble an NFA firearm did not prove intent to do so.

Before you misinterpret the implications, though, the Justices specifically stated that different language in sections of the law applying to machine guns and silencers does not excuse the possession of such things as sear kits and machine gun or suppressor parts that are intended solely for the purpose of making an NFA device.

\*\*\*

While back, a reader sent a letter to AMGN suggesting that I am narrow-minded. I'm afraid that I am "guilty as charged", at least where my gun rights are concerned: **nar'row-mind'ed, adj. Not liberal; bigoted.**

I certainly do not consider myself "liberal", at least in the popular political sense. To do so, I would have to align myself with the likes of Senators Metzenbaum, Kennedy, Chafee, Biden, and the rest of the elitists who are bent on disarming the "peasantry" of this country.

As for being a **big'ot, n. One obstinately or intolerantly devoted to his own church, party, belief, or opinion,** I will admit to having developed an unbending, tenacious belief that anyone who tampers with the Second Amendment is The Enemy, plain and simple.

That hasn't always been the case. Twenty thousand gun laws ago, I used to consider the argument that "reasonable" restrictions on gun ownership might be an effective means of reducing crime. This simply has not been borne out by the hard evidence of the past 24 years.

I also find it suspicious that the same "liberals" who support our toothless, criminal-kissing justice system - the real reason for a breakdown in respect for the law in this country - are those pushing hardest for abolition of private ownership of firearms. Either they are trying to shore up their seriously flawed, and failing, philosophies, or they WANT crime to increase, to use that as an excuse to take away our guns and tighten their control over us. Or both.

So, yeah, I guess I am a little narrow-minded. On the other hand, when was the last time you caught the other side showing tolerance for the gun-owner's point of view?

\*\*\*

If not already, NRA members will soon be receiving a notice permitting them to nominate three friends or acquaintances as NRA Freedom Associates. Those nominated will receive a free six month subscription to either the Rifleman or Hunter magazines, as well as other benefits. More importantly, they will be introduced to the New NRA, receive the straight poop on gun issues, and should substantially swell membership ranks between now and election-time. NRA has been signing up new (and ex-) members at the rate of 50,000 a month, and if each one of us does his part, the next few months could be the most significant in the Association's history. Semper Fi!

\*\*\*

Speaking of nominations, our suggestion last month that machine gunners nominate Mike Dillon of Dillon Precision Products for the NRA Board of Directors has met with much favorable comment.

One way of doing this is to circulate petitions among voting members, then return the petitions to NRA no later than October 27th of this year. For the convenience of those who wish to participate, MGN is providing a sample petition, complete with instructions, which you can copy. (More than one person can be nominated, by the way, as long as they are Life Members. See instructions.)

\*\*\*

# **PETITION FOR NOMINATION OF ELIGIBLE MEMBERS TO THE NRA BOARD OF DIRECTORS** (PLEASE PRINT ALL INFORMATION)

We, the undersigned voting members of the National Rifle Association of America, petition the nomination of **Mike Dillon, Scottsdale, Arizona 85255**  
 (Name, City, State, Zip Code)

NOMINEE MUST USE PRINCIPAL PLACE OF RESIDENCE  
 (Above)  
 Name of person circulating this petition: \_\_\_\_\_  
 (City, State, Zip Code)  
 Sponsored by **Ken Carter (M.G.N.), San Antonio, Texas 78228 (MCB3200W)**  
 (Name of Sponsor, City, State, Zip Code)

NRA MEMBERSHIP IDENTIFICATION NUMBER	NRA MEMBERSHIP NAME AS LISTED IN NRA FILES	NRA MEMBERSHIP ADDRESS AS LISTED IN NRA FILES (STREET, CITY, STATE, ZIP CODE)	SIGNATURE	DATE
1. _____	_____	_____	_____	_____
2. _____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____
5. _____	_____	_____	_____	_____
6. _____	_____	_____	_____	_____
7. _____	_____	_____	_____	_____
8. _____	_____	_____	_____	_____
9. _____	_____	_____	_____	_____
10. _____	_____	_____	_____	_____

**READ INSTRUCTIONS:** NRA Bylaws require that no single petition sheet shall contain the name of more than one proposed nominee. The name of the sponsor must be indicated on each sheet of the petition. Those who sign MUST BE VOTING MEMBERS, & must include their NRA Membership Number, name and address, date of signing and signature to be valid. **IMPORTANT: PLEASE RETURN ALL PETITION SHEETS TO: M.G.N., P.O. BOX 781, HOT SPRINGS, AR 71902. NO LATER THAN OCTOBER 10, 1992, so that they can be forwarded to the National Rifle Association by the October 27 deadline.** (Petitions must contain the names of at least 250 NRA members eligible to vote for nominee to be considered for nomination.)

**U**pdate: To date, Dillon's membership drive (he pays the first \$10) has netted nearly 1,000 new NRA members. And Midway Arms "Round-Up" has raised \$80,000 for ILA since the first of the year!

\*\*\*

**T**he Second Amendment Foundation has formed the "Task Force To Investigate The Bureau of Alcohol, Tobacco and Firearms", and wants to hear from dealers and gun-owners with experiences similar to those of Tulsa resident Johnnie Lawmaster. Anonymity will be honored. Contact:

Task Force  
 12500 NE Tenth Place  
 Bellevue, Washington 98005

\*\*\*

**G**un Control for Fame and Profit: Did you see where Jim and Tammy Faye...oops!...Sarah Brady have just moved into their new half-million dollar home outside D.C.?\*

Wonder how that sits with those who contributed their hard-earned bucks to Gun Grabbers, Inc.?

\*(Actually, it's located over the line in gun-owning Virginia...where the crime rate is lower!)

## **Scuttlebutt**

More "Do as I say, not as...etc.": What beefy-faced, Irish-American senator - a longtime stalwart of the anti-gun movement - was recently spotted at an upper-crust Pennsylvania equestrian event with three ladies in tow, then later is reported to have participated in a private, impromptu machine gun shoot at a friend's farm?

After dumping a drum through a Thompson, sources say, he flashed his famous teeth and exclaimed, "That was fun!"

(Hint: It starts with a "K", and it isn't "Kopechne".)

And can you guess which Dallas-based billionaire special-ordered a Calico 9mm carbine with the custom serial number "RP-(his birthdate)"?

When word leaked, the order was promptly cancelled, and the Texas gun dealer involved now "disavows any knowledge..."

\*\*\*

**Best Quote:** "You can't save democracy by destroying democracy." - Brent Scowcroft, National Security Advisor, on *Meet the Press*.

# What's New

by CHRIS A. CHOAT

## M-16 ADJUSTABLE CHEEKPiece STOCK

A new adjustable stock is now available for the M-16/AR-15 series of rifles. The new stock features a cheekpiece that can be raised or lowered to accommodate all optics including high mounting night vision scopes. The cheekpiece is adjustable by means of a knob located on the bottom of the stock. This knob also doubles as a secondary grip for the off hand when firing prone or from a bench allowing much improved stability and accuracy. The stock can be quickly converted for use with iron sights by simply withdrawing a crosspin and sliding the cheekpiece off the stock. The cheekpiece is adjustable from 1 1/4" to 2 3/8" above the stock. Quality construction is used throughout with metal parts being either anodized aluminum or stainless steel. The stock and cheekpiece are made from the same material as H&K stocks. The entire unit weighs only 23 oz. For more information and prices contact Glaser/Cherokee, Inc., Dept. MGN, P.O. Box 8223, Foster City, CA 94404. Phone: 1-415-345-7677. Fax: 1-415-345-8217.

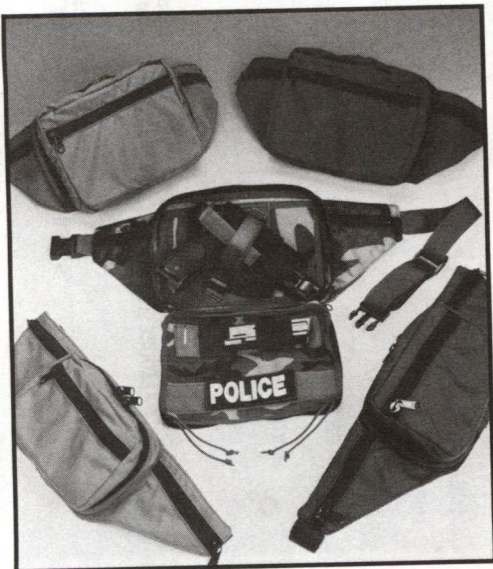


## NEW BOOK ON GUN CONTROL

Great Britain is frequently cited as a model for American gun control advocates, primarily because it is considered a disarmed society with low crime rates. Hundreds of thousands of shotguns and handguns are, however, legally owned by British citizens. David B. Kopel traces this history of the private ownership of weapons in Great Britain from King Henry II's Statute of Assize of Arms to the present day, when incidents of terrorism, armed robbery and burglary are increasing dramatically. Mr. Kopel, an Associate Policy Analyst with the Cato Institute in Washington, D.C. discusses research on gun control, civil liberties and advocacy of weapons for sport in both countries. In his conclusion, the author foresees Great Britain as a nation with exceeding strict gun control laws and an increase in some crimes involving guns. In an individualistic, anti-authoritarian society such as the United States, the legislative options still remain wide-ranging for both gun ownership and gun control. This book adds to the gun control debate a reasoned and balanced account of those controversial options. This 100 page paperbound book can be ordered from OICJ (Office of International Criminal Justice) Publications, Dept. MGN, 1333 S. Wabash, Box 53, Chicago, IL 60605. The price is \$9.50 plus \$2.50 shipping and handling.

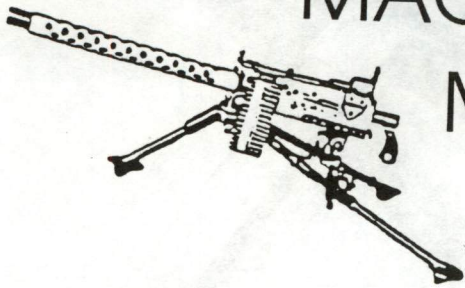
## NEW WEAPON FANNY PACK FROM EAGLE INDUSTRIES

If concealment, speed and security are what you're looking for in a fanny pack, then the Eagle Weapon Fanny Pack (WFP) will fill your needs. The new WFP is made from #1000 denier heavyweight Cordura nylon with bound edges for extra durability. A zippered breakaway pocket with pull cords at each end allows for either right or left handed carry. Each pack features a holster with adjustable thumb break and elastic loops inside for carrying extra magazines. Two wing pockets are also built-in for carrying other items. The WFP also features a separate front pocket so that the weapon will not show when it is opened. A Velcro patch is located inside the drop down front panel for attachment of the optional Police patch. As with all other Eagle products the Weapons Fanny Pack has a lifetime guarantee. It is available in three sizes to accommodate all handguns and is available in black, royal blue, navy blue, burgundy, tan, silver, brown, olive drab and camo. For more information or their new 60 page catalog contact Eagle Industries Unlimited, Inc., Dept. MGN, 400 Biltmore Drive, Suite 530, Fenton, MO 63026. Phone: 314-343-7547. Fax: 314-349-0321.



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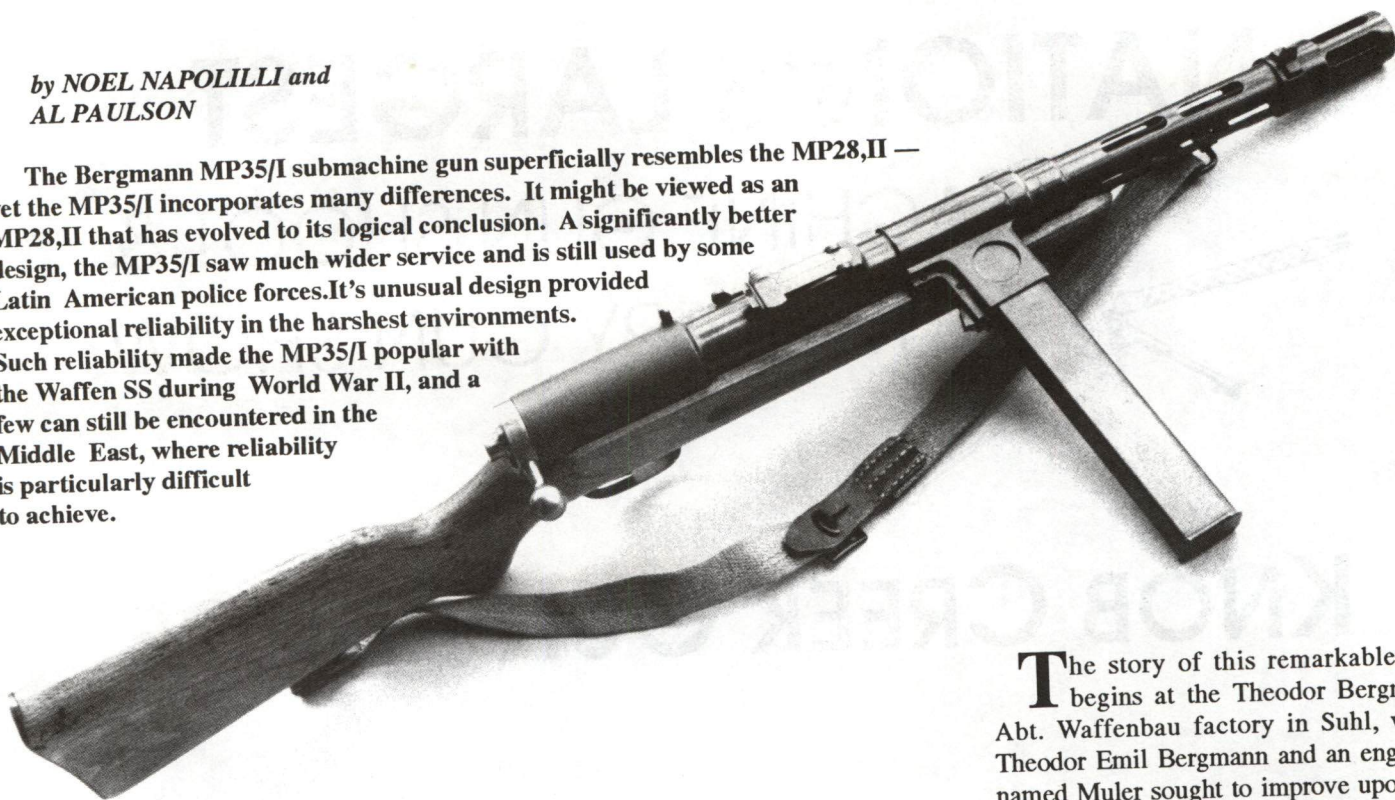
KENNY SUMNER

HOLLY SUMNER

# THE BERGMANN MP35/I SUBMACHINE GUN

by NOEL NAPOLILLI and  
AL PAULSON

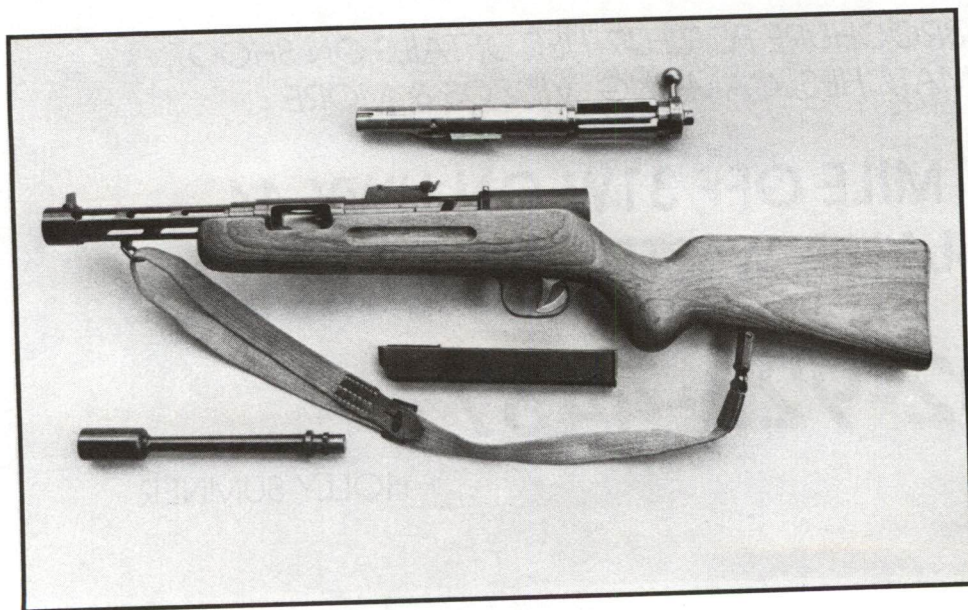
The Bergmann MP35/I submachine gun superficially resembles the MP28,II — yet the MP35/I incorporates many differences. It might be viewed as an MP28,II that has evolved to its logical conclusion. A significantly better design, the MP35/I saw much wider service and is still used by some Latin American police forces. Its unusual design provided exceptional reliability in the harshest environments. Such reliability made the MP35/I popular with the Waffen SS during World War II, and a few can still be encountered in the Middle East, where reliability is particularly difficult to achieve.



The story of this remarkable gun begins at the Theodor Bergmann Abt. Waffenbau factory in Suhl, when Theodor Emil Bergmann and an engineer named Muler sought to improve upon the MP28,II. This was the first submachine gun Theodor Bergmann actually designed, even though several earlier submachine guns are commonly referred to as Bergmanns. He applied for a patent in 1932, and commissioned Schultz and Larsen of Otterup, Denmark, to actually produce the prototypes. These guns featured a safety that was operated rather like the safety on the Mauser Gewehr 98, which was the standard rifle of the German army. Theodor Bergmann died soon thereafter.

The company was reorganized in 1934 as Theodor Bergmann and Co. G.m.b.H., and the company moved to Berlin. The new owners were Theodor Bergmann's son and Dietrich Stahl. The new company continued to improve upon the prototypes made in Denmark. Bergmann soon contracted with Carl Walther to produce about 2,000 submachine guns at the plant in Zella-Mehlis. (Only ammunition was produced at the Bergmann works in Berlin.)

This model was known as the Bergmann MP34/I and was produced until the summer of 1935. The general characteristics of the standard (short-barrelled) variant can be found in the accompanying table. A longer variant with 12.6 inch (32.0



The MP35/I submachine gun field stripped.

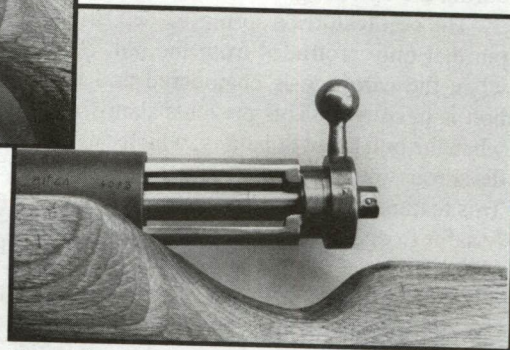
cm) barrel was also produced. Most guns were sold to Bolivia and the German police. A small number of changes were then incorporated into the design, which was renamed the Bergmann MP35/I. Both short-barrelled and long-barrelled variants used this same designation.

The MP35/I was soon sold to Ethiopia, and these guns feature the Sun Lion crest on the receiver. Denmark purchased in gun in 9mm Bergmann Bayard. And the gun was also used in the Spanish civil war. Spanish sales really made Bergmann a major player as a submachine gun manufacturer for the first time. Just before the outbreak of wider hostilities, Sweden adopted the gun as the "m/39".

Bergmann's son left the company soon after Germany invaded the low countries, and the company was renamed Theodor Bergmann A.G. Stahl remained the sole stockholder. By this time, the Waffen SS had become quite impressed with the MP35/I, but they wanted the gun in quan-

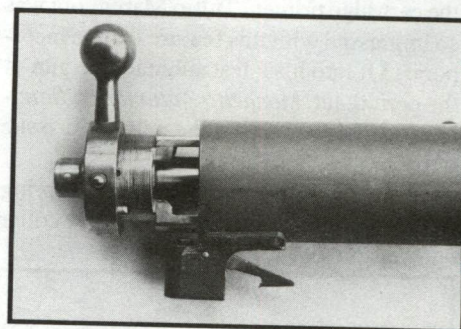


Two large holes in the Bergmann's magazine well serve to lighten this heavy gun.

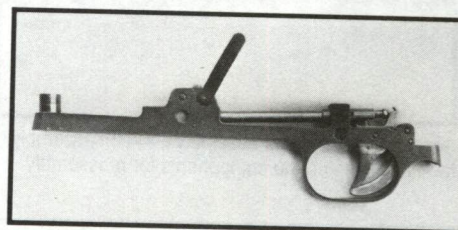


Above left : Note the markings on the receiver, and the safety lever between the tangent sight and the finger groove in the laminated fir stock. The bolt stop is located just behind the safety.

Above: The bolt-retracting handle in its rearmost position.



The outer sleeve of the cocking assembly essentially replaces the cap normally found at the rear of most submachine gun receivers.



The trigger assembly.

tity. So Stahl licensed Junker und Ruhr A.G. to produce the gun in Karlsruhe.

Production began at the Karlsruhe factory in late 1940 and continued until the end of the war. About 40,000 guns were produced for the SS. These guns are marked with the production code "ajf" and commercial test proofs (eagle over N), and some receivers are also marked with the lightning SS runes. Guns produced at Karlsruhe tend to have laminated fir stocks similar to German rifle stocks produced during the war. The only other concession to wartime efficiency was the elimination of serrations on the buttplate.

While the MP35/I may be viewed as a descendent of the MP28,II — the first difference that leaps out at the observer is that the MP35/I feeds from the right side, while the older gun feeds from the left.

The next thing one probably notices is the polished, in-the-white bolt-retracting handle at the rear of the receiver, making the weapon appear more like a manually operated carbine than a submachine gun.

This handle is actually part of an integrated assembly that includes a cocking assembly, main operating (recoil) spring, and bolt assembly which form a single unit that looks rather like an oversized bolt on a conventional bolt-action rifle. While this feature undoubtedly made the gun seem more familiar and friendly to the average infantryman, that was not the reason for this feature.

Most submachine guns of the day featured a bolt-retracting handle which reciprocates in a slot on the side of the receiver during cycling. Dirt easily enters this slot and fouls the action. The MP35/I receiver lacks this slot. The receiver is totally closed when the bolt is in the forward position, which seals off the ejection port. Thus, there is no way for dirt to enter the action with the bolt forward, and a much-reduced opportunity for dirt to enter the action when the bolt is cocked. It is this feature, more than any other, that gives the MP35/I its outstanding reliability in harsh environments.

(continued)



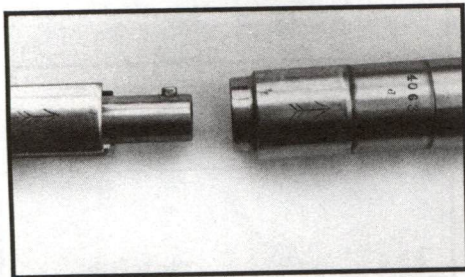
MP35 magazine and pouch.

The outer sleeve of the cocking assembly essentially replaces the cap normally found at the rear of most submachine gun receivers. Locking ribs on the outer sleeve hold the cocking assembly in the receiver during the operating sequence.

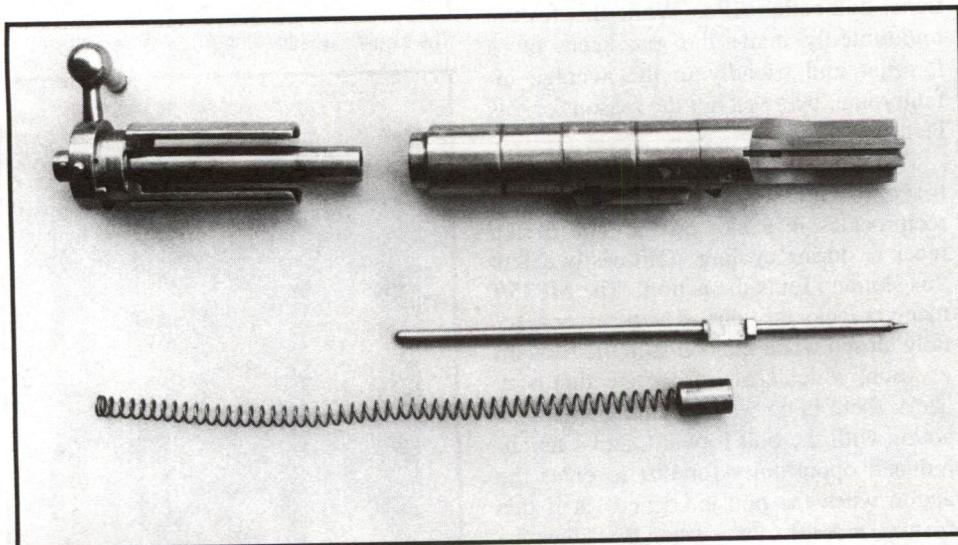
The bolt features a spring-loaded firing pin that only protrudes from the bolt face when the cartridge is chambered and the bolt is in battery. This prevents slam-fires when the bolt is out of battery, which can be disastrous for both a gun and its shooter. This feature makes the MP35/I significantly safer to operate than its predecessor, the MP28,II.

A firing-pin cam in the bottom of the bolt actuates the firing pin when the cam strikes the end of a groove cut in the bottom of the receiver. This happens as the bolt goes into battery. The cam rotates rearward and pivots against a notch in the firing pin, which drives the firing pin forward against the cartridge primer. Tullio Marengoni was so impressed with this feature that he incorporated it into his latest submachine gun of the period, the *Moschetto Automatico Beretta Modello 1938A* (see the July 1991 issue of MGN).

The front of operating (recoil) spring fits around most of the firing pin. A collar



Arrows on the cocking assembly and bolt assembly facilitate lining up the components for reassembly.



The MP35/I bolt field stripped. The spring-loaded firing pin prevents slam-fires, making the weapon much safer to handle than its predecessor, the MP28,II.

### General characteristics of the Bergmann MP34/I and MP35/I

Caliber	7.63mm Mauser, 9mm Parabellum, 9mm Bergmann Bayard, 9mm Mauser, .45 caliber ACP
System of operation	blowback, open bolt, selective fire
Cyclic rate	650 rpm
Weight	8.9 lb (4.1 kg)
Feed device	double-column, double-position feed box magazine: 24 and 32 rounds
Length overall of standard model	33.1 in (84.0 cm)
Barrel length	7.9 in (20.0 cm)
Front sight	blade
Rear sight	open V-notch tangent, adjustable from 50 to 1,000 meters in 50 m increments

on the firing pin retains the operating spring to the rear and a buffer spring to the front. The buffer spring keeps the firing pin withdrawn from the bolt face except when the bolt is in battery. The rear of the operating spring is retained by the inner sleeve of the cocking assembly.

The safety is a lever on the left side of the receiver. When the lever in the rear position next to the letter F for *Feuer* (fire), the weapon can fire. The forward position, which is next to the letter S for *Sicher* (safe), engages the safety.

While this is a select-fire weapon, there is no selector. Instead, the MP35/I incorporates a unique double trigger assembly. Pulling the front trigger partway back produces semiautomatic fire. Pulling the trigger farther back also engages the rear trigger, producing fully automatic fire. Perhaps this mechanism was the inspiration decades later for the select-fire trigger on the Steyr AUG.

The MP35/I is heavy for a submachine

gun, so the gun is easy to control during full-auto fire. It is also quite robust for a weapon of this type. The sights, while typical of the period, do not permit the more rapid target acquisition of subsequent designs like the MP38. The pistol grip is generous and comfortable, but it is a bit fragile in the combat environment.

To fieldstrip the MP35/I, begin by removing the magazine and clearing the gun. Turn the bolt-retracting handle up and pull it completely to the rear. Depress the bolt stop, which is just behind the safety on the left side of the receiver. Pull the integrated cocking and bolt assembly from the receiver. Disassemble the cocking/bolt assembly by turning the bolt-retracting handle clockwise 45 degrees, and then pulling the cocking assembly away from the bolt assembly. Pull the operating spring and firing pin from the bolt. The barrel can be removed quickly for cleaning by depressing a recessed catch (located underneath the stock by the magazine housing) and rotating the barrel 90 degrees in either direction. The barrel can then be slid forward out of the barrel jacket. Further disassembly is normally not required.

Reassemble in reverse order.

The Bergmann MP35/I was one of the best submachine guns of its day. The excellent quality of its machining, and its outstanding fit and highly polished blue finish with contrasting silvery bolt-retracting handle, make it a handsome addition to any collection. History buffs should appreciate that it was designed by Theodor Emil Bergmann himself and that the gun was highly prized by the Waffen SS. Technology buffs should appreciate the gun's unique design features and exceptional reliability. The Bergmann MP35/I is one of the best and most interesting submachine guns of the World War II era. MGN

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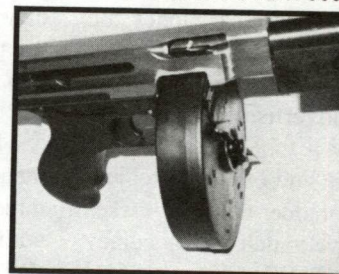
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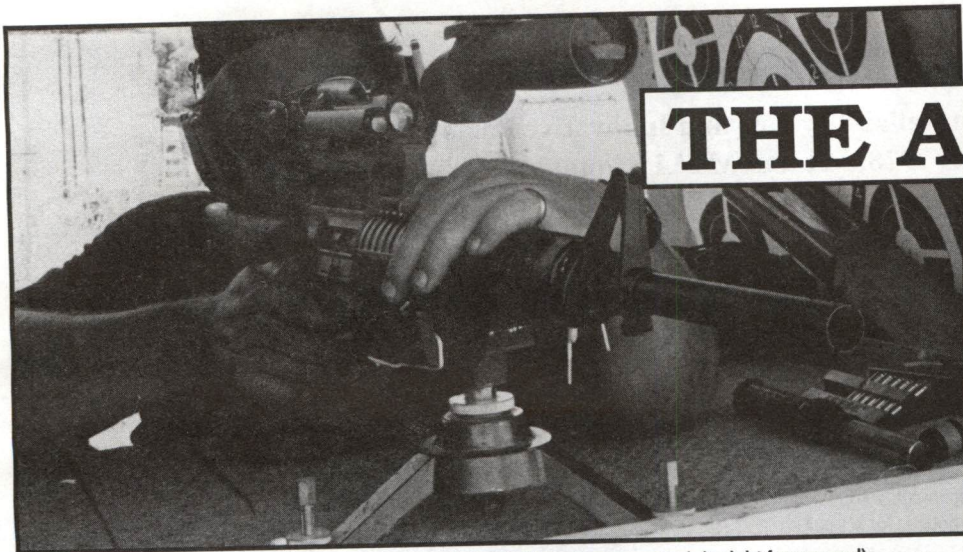
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Glen Roach tries Accurizer on Aimpoint-equipped M16A1. (Note torque wrench in right foreground)

# THE ACCURIZER

*Is it really possible to wring "match" performance from a military rifle for under 60 bucks? MGN's Ken Carter tries out MWG's latest gadget on a couple of popular models.*

As Chris Choat pointed out in the June '92 "What's New", the Accurizer is a device created by design-whiz Mickey Finn to enhance the accuracy potential of the AR15/M16 rifle system. With slight modification, the same principle has been applied to the H&K genre of weapons, notably the HK91/G3 and the HK93/33 rifles. Accurizers are also available, or in the works, for the AK clones, the M14/M1A, the 16" barreled CAR15, and the Mini-14.

According to advertising claims, the device - essentially a tube about 6" long which slips over the end of the barrel and screws onto the flashhider threads - makes it possible to achieve match-rifle accuracy from a military-grade rifle using standard GI ammo.

I'll admit to some initial skepticism. I was aware of Finn's impressive credits: the radical "artificial environment" style ("wet") suppressors marketed by AWC, Precision Arms International and others; the Government's new M9 bayonet and the earlier Buckmaster knife; the solid, reinforced "break-free" slides designed to solve the Navy Seals' Beretta woes; and numerous others. I also am a fan of the "90 Rounder" magazines sold by MWG Com-

pany, which is marketing the Accurizer. But claims for this latest gadget seemed a little too good to be true, and you know what they say about that.

Ned Scheer of MWG had told me about the Accurizer over a year ago, and I discussed it further with Finn at the New Orleans SHOT Show in January. They promised to send me one to evaluate when they had them ready to market, and when the package arrived, it actually contained two...one for the M16, and another for the G3.

The design is deceptively simple. As mentioned, it consists of a tube, internally threaded about two inches from one end, with flashhider ports drilled in the portion that extends forward of the barrel's muzzle. Although the company downplays this, the latter may also provide some muzzle-braking benefits.

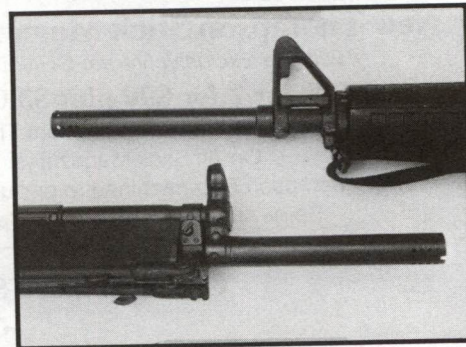
To install it, the rifle's standard flashhider is removed, and the Accurizer's unthreaded end is dropped over the barrel until contact is made with the flashhider threads, then the tube is screwed down finger-tight until its rear portion makes contact with the rifle's front sight base. (In the case of the AR15/M16, there is an additional part, a notched collar known as a

"retaining ring", that fits around the bayonet lug, providing a square shoulder for the tube to bear against.)

This is where the installation starts getting a little trickier. MWG provides a special 1/4 inch socket that mates with notches on the forward end of the Accurizer tube, but you will also need an "inch/pounds" torque wrench, since the degree of pressure used to tighten the tube is critical, and is the key to its success. MWG included a wrench for our tests, and will sell you one, but advises that they are also available, for about \$65-\$75, from just about anyplace specializing in tools. If you don't want to buy one (chances are you'll only need it for one afternoon), you might see if you can find one in a rental shop, or borrow one from a mechanic friend.

## The Principle

The idea behind the Accurizer is interesting, and as far as is known, its application to rifles is unique, but it isn't really new. Whether they know it or not, those shooters who specialize in knocking over steel rams at 200 meters with pistols have seen it successfully demonstrated in silhouette shooting for years. Dan Wesson revolvers, which have been a dominant force in that game for a decade or so, utilize the same basic principle.



Retaining ring which snugs against front sight base distinguishes Accurizer for the M16/AR15 from that for the H&K.

Many shooters are aware that there is a shock wave - a harmonic - that travels along a barrel simultaneous to the bullet's passage. The slimmer the barrel's dimensions, the more pronounced the harmonic, and the

more this "barrel whip" will affect where the bullet strikes. Conversely, the thicker the barrel walls, the less distortion from the harmonic, and the more accurate the firearm. This is why benchrest shooters employ barrels that look like wagon axles!

In the case of the Dan Wesson, the actual barrel is a skinny, rifled tube, threaded at both ends, that is screwed into the revolver's frame by hand. An outer sleeve (containing the front sight, barrel rib, ejector shroud, etc.), is then slipped over the barrel and is anchored in place by a nut that screws onto the threads at the barrel's muzzle end. As the nut is tightened with a special wrench, the barrel is stretched forward between the frame and the front of the sleeve, taking on the rigidity of a barrel several times its dimensions.

The result is tack-driving accuracy by revolver standards. Many years ago, before the D/W began building its silhouette reputation, I amazed myself by shooting a five shot, 2 1/2 inch group at 100 yards with an 8-inch barreled .357 and open sights! (I could prove it, too, except the lady I was married to tossed the target. "It was all used up," she explained.)

#### The Application

The first rifle to be tested was an HK91 converted to G3 by Fleming. The ammunition chosen was from a lot of NATO "rollover" 7.62 x 51mm "GI" manufactured in Germany by the MEN Arsenal, and known to be capable of 1 to 1.5 minutes of angle (MOA) accuracy.

Shooting was done at 50 yards, since both the G3 and the M16 to be used had been fitted with Aimpoint sights, and at that range, their red-dot reticles exactly filled the white bullseyes of the targets Kyle Voss uses at his "A Place To Shoot" rifle range south of San Antonio.

The first step was to fire a three-shot group with the "stock" G3 against which to gauge the Accurizer's performance. This done, the flashhider was removed, the Accurizer screwed on finger-tight, per instructions, and the torque wrench's tension was set for 45 inch pounds of pressure (an arbitrary starting point). Using the wrench and the 1/4 inch socket, the Accurizer was then tightened in a clockwise direction until an audible "click" was heard. Now it was time to "fire for effect".

As can be seen in the included table, the group actually opened up slightly at this setting.

The scale on the wrench was advanced by 5 inch pounds, the Accurizer tightened accordingly, and three more shots were fired. Bingo! The group shrank to a surprising .35 inches, or .70 MOA!

Making note of the setting, the pressure was twice more increased in 5 pound incre-

ed off, Loctite was applied to the threads, and it was reset at 50 in/lbs. Three more shots confirmed that sub-MOA accuracy had been achieved. And this with a trigger that can best be classified as minimally terrible!

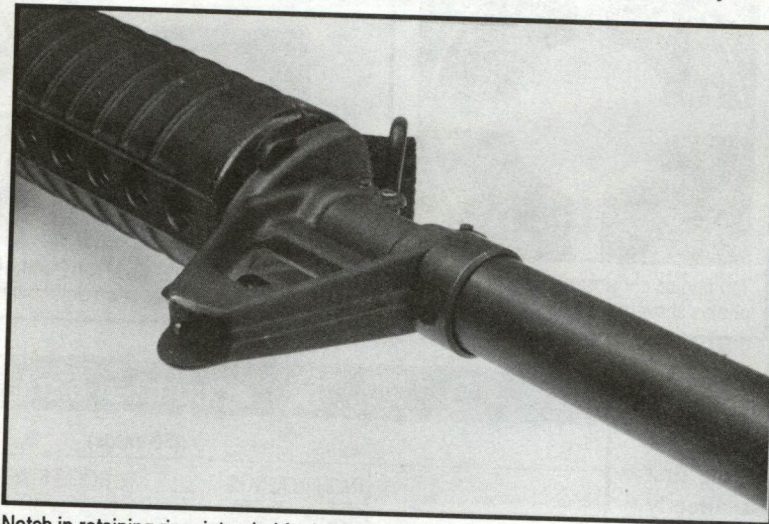
MWG advises, by the way, that the setting found to work best with one rifle, even of the same manufacture, will not necessarily be best for another, so the same step-by-step "discovery" process should be followed with each gun.

#### Problems

Next, it was time to try the device on the M16. The rifle, a late-70's vintage Colt "issue" M16A1 with a crisp trigger, has been known to shoot inside a minute with handloads. As stated previously, the rifle was equipped with an Aimpoint electronic sight. Range, again, was 50 yards. Ammo for the test was mostly 1975 Lake City ball.

To begin, a control group was shot that measured .80 inches, or 1.60 MOA. Then the

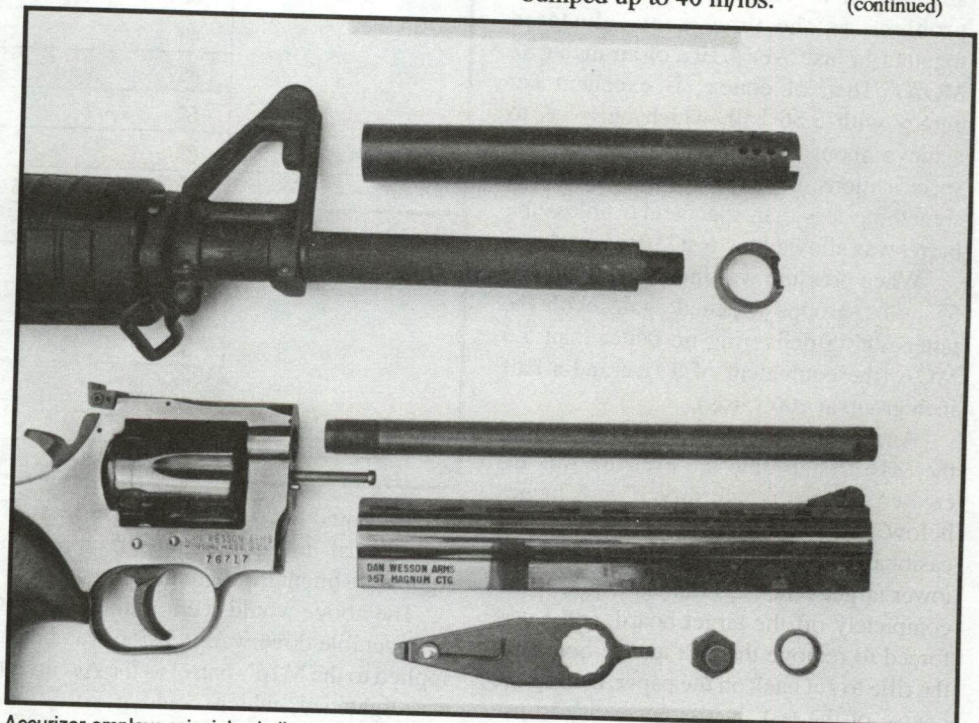
Accurizer was installed, and this time, testing was begun at a setting of 35 inch pounds. As in the previous test, group size initially increased (see chart), and it increased again when the pressure was bumped up to 40 in/lbs. (continued)



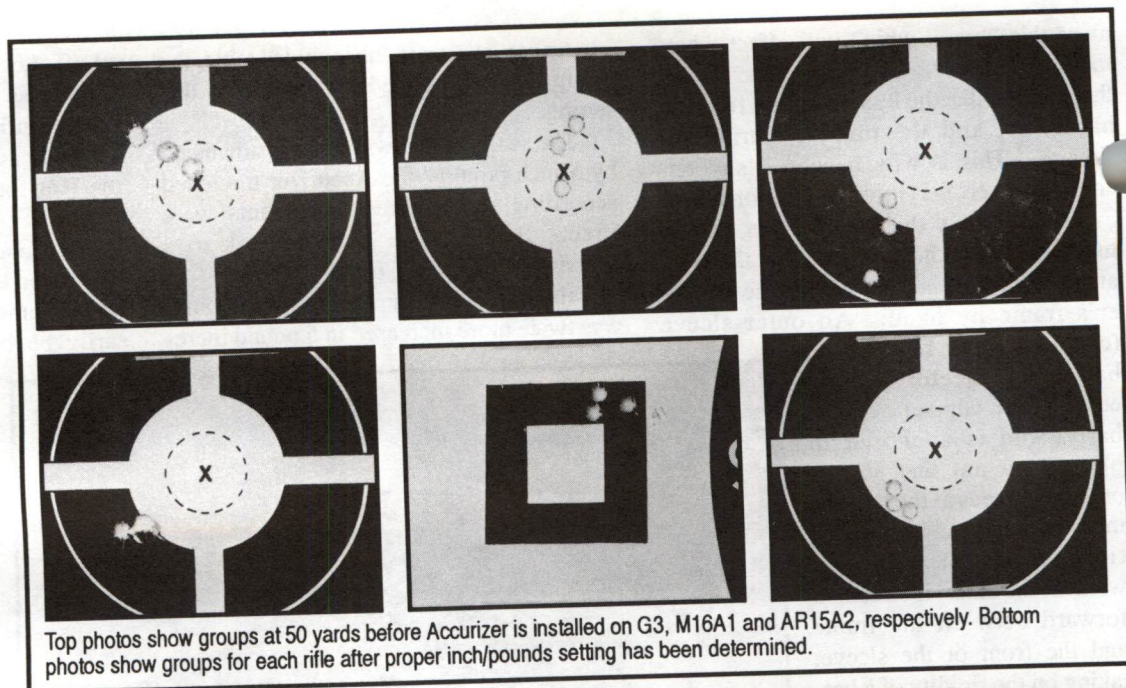
Notch in retaining ring, intended for bayonet lug, fits over ridge along leading edge of AR15's sight base to insure proper fit.

ments, three rounds being fired each time, but both times the groups were more than three times as large as that achieved at the 50 inch pounds setting.

Satisfied that optimum performance had been reached, the Accurizer was back-



Accurizer employs principle similar to that of very accurate Dan Wesson revolvers. Top to bottom: MWG Accurizer, AR15A2 and retaining ring; Dan Wesson .357 Magnum, barrel, sleeve, wrench and adaptor (old style), and barrel nut.



However, when another five pounds was added, bringing the setting to 45, an unusual phenomenon was observed: of three groups fired at this setting, the first two bullets would print almost directly above each other, and impressively close together (measuring .26, .37 and .28 inches, center-to-center), but the third shot would strike from 1" to 1 1/2" high.

Questioning whether barrel heating might be the culprit, a fourth group was fired, but this time the barrel was allowed to cool for two minutes between the second and third shots. That apparently solved the problem, as the three shots clustered together in just over 4/10's of an inch (.82 MOA). That, of course, is excellent accuracy with 5.56 ball, which only has to achieve about 2.5 MOA to meet military specifications. However, performance was something less than spectacular unless the barrel was allowed to "rest" between shots.

When pressure was increased to 50 and 55 in/lbs, groups widened again, with the latter setting delivering no better than 5.6 MOA (the equivalent of a five-and-a-half inch group at 100 yards).

Another oddity was noted while testing the M16. Each time the pressure was increased, groups would drop 7 or 8 inches below the previous point-of-aim. Occasionally, when shooting at one of the lower targets, the .223 bullets would strike completely off the target board, and I was forced to remove the bolt and re-boresight the rifle to get back on the paper. During the course of the test, it was necessary to use almost all of the vertical adjustment the Aimpoint had to offer. (This did not occur, incidentally, with the H&K, which consistently

printed only slightly low and left of the original impact area, and required no sight adjustment throughout the test.)

The above would seem to indicate that considerable downward tension was being applied to the M16's barrel as the Accurizer was tightened, which could possibly account for both the change in bullet impact and the apparent sensitivity to barrel heating.

In discussing these problems with Mickey Finn, he theorized that the face of the M16's sight base might be uneven enough that the Accurizer and its retaining ring were not mating smoothly against it which would cause uneven pressure on the barrel. Scheer agreed, noting that Colt's sight housings often have a casting ridge along their leading edge that interferes with the retaining ring. He suggested that I

Machine Gun News - September 1992

### ACCURIZER DATA

(50 Yards)			
G3:	INCH POUNDS	GROUP SIZE(In Inches)	M.O.A.
	NONE	.80	1.60
	45	.96	1.92
	50	.35	.70
	55	1.18	2.36
	60	1.12	2.24
Ammunition: 7.62 NATO German Mil. Ball (LOS MEN Arsenal)			
M16A1:	NONE	.80	1.60
	35	1.42	2.84
	40	1.74	3.48
	45	.41	.82
	50	1.24	2.48
	55	2.80	5.60
Ammunition: 5.56 GI Ball (Lake City '75)			
AR15A2:	NONE	1.04	2.08
	40	1.36	2.72
	45	1.18	2.36
	50	.84	1.68
	55	.36	.72
	60	1.23	2.46
Ammunition: 5.56 GI Ball (Lake City '72, Twin City '69)			

notch the top of the ring with a file so that it would straddle the ridge. (Later retaining rings may incorporate this additional notch.)

However, since I had access to one of the later AR15A2 "Sporters" without the bayonet lug, I decided to try the Accurizer on that gun, instead. As Ned had suggested, there was a pronounced ridge along the front edge of the sight base, but by turning the retaining ring over so that the existing notch was at the top, rather than the bottom, it seemed to seat solidly.

#### The Solution

The AR15 was already fitted with a 3x9 Bushnell scope, so that was left in place for the test. Ammunition was a mixed lot of Lake City '72 and Twin City '69 GI ball.

Again, a control group was shot without the Accurizer. The three shots printed just over an inch at 50 yards (2.08 MOA).

The test was begun at 40 inch pounds, and as with the previous two rifles, the first group widened substantially. From that point on, however, group sizes shrank with each 5 in/lbs increase, with the best result achieved at a setting of 55. That put three shots into .36 inches (.72 MOA), with the holes touching. At 60 in/lbs, the group grew again, more than tripling in size.

Barrel heating no longer seemed to be a factor, and the other problem - that of drastic changes in point of impact - also disappeared.

#### Conclusion

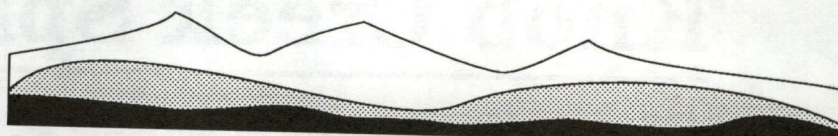
Despite the problems encountered, the MWG Accurizer does seem to perform pretty much as advertised. And, at \$59.95 (shipping included), it is certainly one of the least expensive ways of milking the ultimate accuracy from your military-style rifle.

Probably because I didn't have to fiddle with it as much, I was most impressed with what it did for the G3. It might be noteworthy that I have never been a particular fan of these rifles; I find the balance unwieldy, don't like the location of the cocking handle, and consider a box-fed, select-fire .308 weapon this light to be tactically impractical. However, with a little trigger work, a good scope and some prime ammo, I can see where this gun may become a favorite.

Any rifle capable of one-hole groups is friend of mine!

MGN

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# Knob Creek Spring '92

by MIKE SHUFFIELD

The spring shoot of the 1992 season at Knob Creek was, as is usual, an "explosive" success. Thousands of people flocked to the Knob Creek Gun Range, located just outside of Ft. Knox, Kentucky, to witness the semi-annual Knob Creek Machinegun Shoot and Military Gun Show. Excitement filled the air, not to mention the smell of burnt gunpowder, as hundreds of automatic weapons firing thousands of rounds of ammunition, blazed away at an array of derelict automobiles, refrigerators, and washing machines. The occasional "earth shaking thump", of exploding sticks of dynamite placed on certain targets, rattled my bones right down to my soul.

This was my second trip to Knob Creek, and is a trip I will continue to make in the future whenever possible. The number of interesting and unusual weapons and accessories for sale and on display is nothing less than astounding. If you're looking for an odd part or accessory for your machine gun, this is the place to be. If you can't find it at the Knob Creek Military Gun Show, you probably won't find it anywhere.

Although the guns and accessories to be seen were great, to say the least, for myself, they had far less impact than the number of friendly and interesting people that I had the opportunity to meet and talk with like writers Dan Shea and Al Paulson and Class

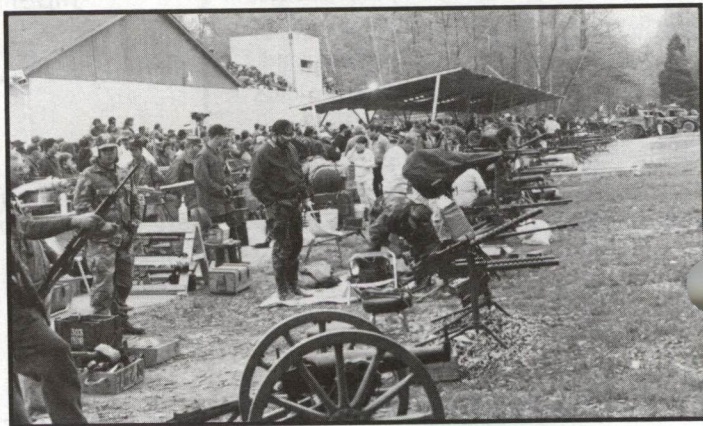
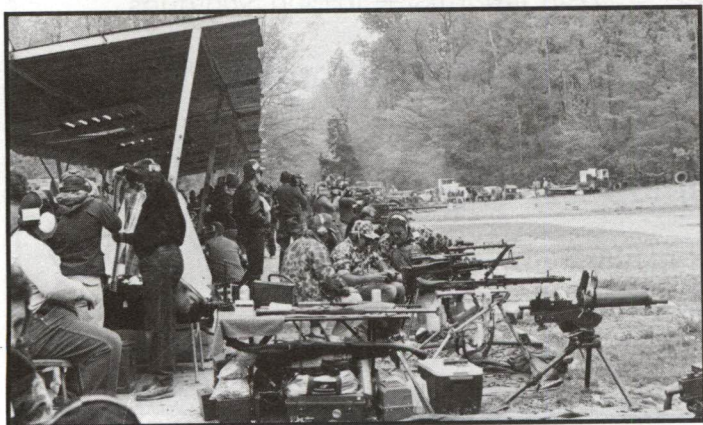
II manufacturer Jonathan Arthur Ciener, whose appearance was not unlike that of some scientist as he busily prepared his 20mm Vulcan machine gun for another show stopping, crowd pleasing volley of incredible firepower.

There is so much to see and do at Knob Creek I couldn't possibly write it all down in one article, so to coin the old phrase "a picture is worth a thousand words", I decided just to show you a few photos I took while I was there. The dates for the fall shoot are October 9th through 11th. For more information call Knob Creek Range (502) 922-4457. I hope to see YOU there at the next shoot. Til then, so long! MGN

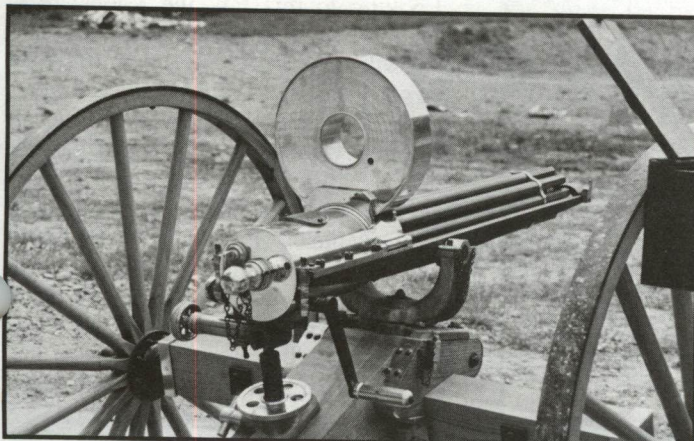
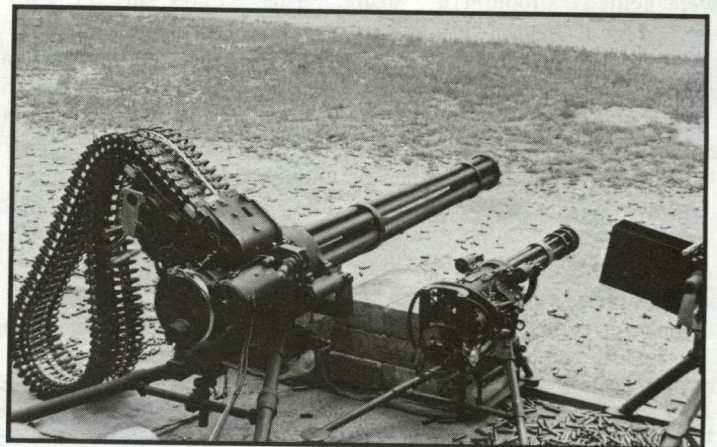
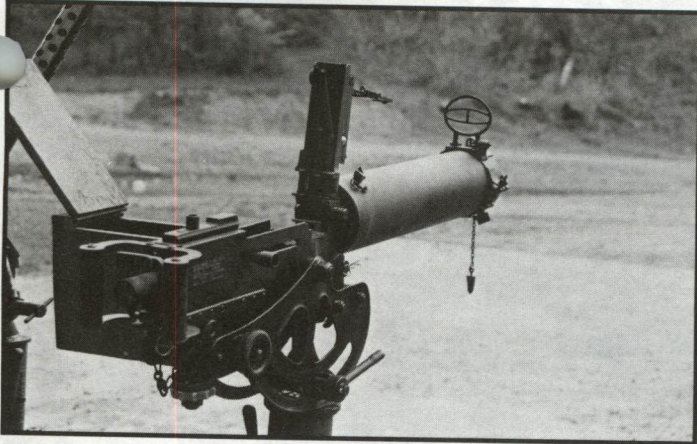
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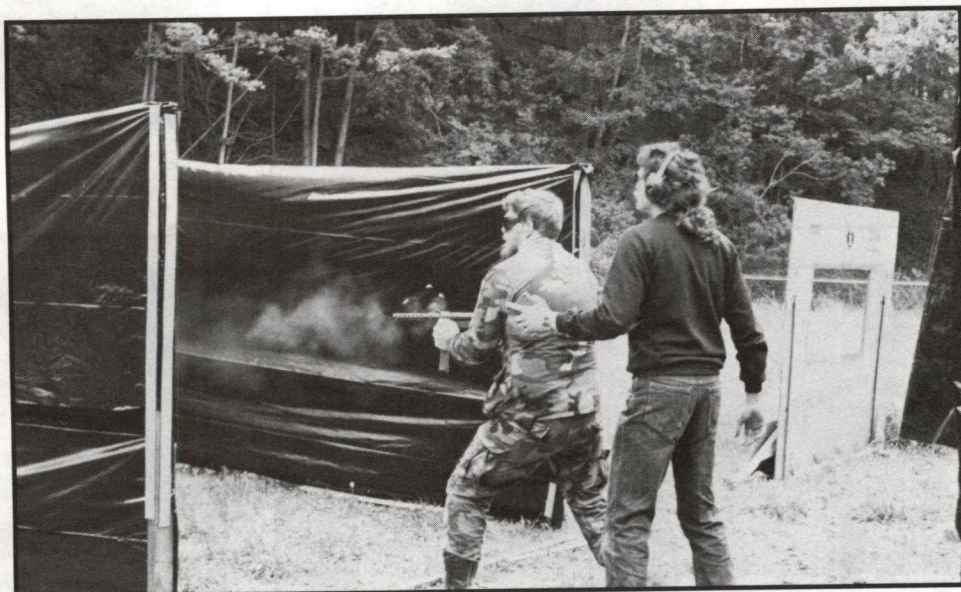
# Spring 92 Knob Creek Open Submachine Gun Match

by DAN VARNER

The Spring Knob Creek Open Match was undoubtedly some of the best fun you could have with a subgun. A record number of shooters, seventy two in all, tested their skills on the course. Stage one started with devilishly placed mixed shoot and no shoot steel, then moving to our friend the weak side/strong side barricade for more mixed targets. Quick mag changes, as much as sight alignment was the trick here. Then it's done and you were on your merry way to stage two - John Nethery's "Car Wash of Death."

Stage two incorporated a surprise string that required point shooting. Point shooting, for the uninitiated, is the engagement of targets without using the sights. Or, as Sgt. Saunders would say, "shooting from the hip". Starting with the elusive long distance targets, shooters then moved behind the curtain to find four paper bad guys and a steel bonus target. A vision barrier was erected on three sides to prevent shooters from seeing the targets until they were actually shooting the string. This worked for all but the very tallest shooters. (And to you guys in the tree, "Naughty, naughty, it didn't help you anyway, did it?") It was interesting to hear the various replies to "What's in there?" Many just laughed, a few said "it's gonna be tough", but my favorite was, "Just take lots of ammo".

Out of the car wash and into the last string, a popper had to be taken by shooting through a window. Only a couple of



Range officer and stage designer John Hackett with competitor Mike Westerhouse. Photo Dan Varner

shooters suffered the indignity of running out of ammo on this stage. First place open class shooter Tom Carpenter overcame misplacing equipment which resulted in a sprint to the pistol range and back. Boy, if he can shoot like that half winded, wonder what he would do on a full nights rest. Last years winner R.O. Fred Watkins placed a very close second. We actually had a tie right out to the third decimal place for sixth.

The Classic winner was Jerold Nuggle with another close second place winner, Jeff Russell. Both shooters had times competitive with the open class top ten, so

much for calling them clunky classics. Oh, and speaking of classics, several of the shooters ended up in the classic class after both of our loaner Uzis broke, also a new record for breaking Uzis.

R.O. Ed Varner graciously offered to substitute his MP40 as the loaner gun so that the last few shooters needing a loaner could compete. This definitely qualified Ed for the nice guy award. A post mortem on the loaner Uzis turned up crud filled extractors and chambers. We would like to thank Group Industries for the loaner guns and promise not to let anyone shoot anthricite coal reloads through them again. This fall, we will be squadding you loaner gun folks so that the guns get properly cleaned between shooters.

Looking to this fall, the Knob Creek Open Match will be on Saturday. The fun stage will be open Friday and Saturday to give you a chance to get tuned up and work out the kinks. On Sunday the National Firearms Association's National Championship will incorporate two new stages. One will require engaging targets from a moving vehicle. The other will be point firing from around the sides of a low wall combining weak side and strong side point shooting. So stay up late and see how Sgt. Saunders does it and we'll see you at the Creek this October.

MGN

## OPEN SUBGUN MATCH

APRIL 1992

1	Tom Carpenter	41.29
2	Fred Watkins	43.76
3	Ron Wilson	49.26
4	Rob Haught	49.65
5	Larry Long	51.37
6	Steve Sturgill	52.29
7	Wayne Russell	52.29
8	Ed Varner	53.41
9	Ken Hackathorn	54.77
10	John Nethery	56.70

## CLASSIC SUBMACHINE GUN MATCH

APRIL 1992

1	Jerold Nuggle	58.40
2	Jeff Russell	59.98
3	Paul Sadowski	77.59
4	Glen Whittenberger	85.11
5	Staale Johannessen	89.00
6	Jonny Lalley	90.59
7	Fred Smith	100.95
8	Mike Miljan	107.12
9	Bill Berg	118.89
10	Ed Arnold	121.30

KDPL ASSAULT SHOTGUN, PISTOL, OR SUBGUN MATCH		
1	Rich Welch	20.82
2	Gary Allen	20.96
3	Jeff Russell	21.44
4	Tom Dresner	22.69
5	James Tarwater	23.26
6	James Hurst	24.49
7	Danny Grant	25.07
8	Ron Wilson	25.27
9	Bill Parker	25.34
10	Paul Fluegeman	26.08

BOLT ACTION RIFLE MATCH		
1	Jeff Russell	27.09
2	Larry Edgar	37.52
3	Mike Westerhouse	55.75
4	Mitchell Maxberry	59.91
5	Ron Wilson	68.90
6	Howard Fetterer	70.75
7	Monty Mendenhall	85.42
8	Jack Lalley	98.25
9	Tim Fetterer	124.15
10	Jim Altenburg	127.00

AGGREGATE MATCH RESULTS		
1	Mitchell Maxberry	96.06
2	Ron Wilson	109.88
3	Mike Westerhouse	113.73
4	Jeff Russell	122.76
5	Steve Griffin	150.22
6	Tony Murray	245.20
7	David Parker	316.28
8	Richard Parker	392.17
9	Bill Parker	421.62

KDPL PRACTICAL PISTOL MATCH			
1	Wayne Russell	13.49	Colt Combat Elite
2	Jeff Russell	13.59	Stock 1911
3	Steve Sturgill	13.88	Colt 45
4	Tom Dresner	14.65	Berretta 92G
5	Gary Allen	15.76	Gold Cup
6	Bullock	15.84	Caspian
7	Ron Wilson	16.18	Glock 17C
8	Danny Grant	16.43	Berretta 92G
9	Tom Carpenter	18.03	Combat Govt
10	Steve Griffin	18.32	Browning HP

JUNGLE WALK			
Friday			
1	Vernon Verhoog	1:27	
2	David Moebus	2:32	
Saturday			
1	Johnny Lalley	1:13	
2	Jack Lalley	1:17	
2	Bill Berg	1:17	

ASSAULT RIFLE MATCH			
1	Scott Schirmer	-32.87	AR15
2	Jim Altenburg	-30.78	
3	Staale Johannessen	-28.87	M1A
4	Fred Haddaway	-18.78	M1A
5	Steve Griffin	-18.37	AR15
6	Monty Mendenhall	-17.43	AR15
7	John Nethery	-17.43	HK91
8	Keith White	-8.54	Valmet
9	Greg Harrison	-6.34	M1A
10	Scott Young	-4.25	AR15

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by Daniel D. Musgrave (2nd Ed)

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The seminar will be held in Shepardsville, KY (adjacent to Knob Creek) at the Best Western Motel on Friday 9 October 92. The seminar will begin at 9 am with a multi-media presentation and classroom work in the morning. In the afternoon, the classes will go to Knob Creek range for "hands-on" activities. Attendees must take a written test and will be awarded a Certificate of Completion.

The price for the Range Officer's seminar is \$35. Attendees must be members of the NFA (\$25.00 per year). **Attendees must meet the following qualifications:** Range Officer - Have participated in full-auto shooting for at least one year, be extremely safety minded and desire to perpetuate the sport.

Send your name, address, phone number and qualifications to:  
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PO Box 458,  
Palm Bay, FL 32906-0458.

You will be sent a sign-up package complete with course outline and objectives. Sign-up and payment must be completed prior to 25 September 92. Sorry, no walk-ins. Make checks payable to: Sports International, Inc. for seminars of NFA for NFA Membership.

# Submachine Gun Competition Opinion Survey

by RON CAGLE

**E**arly in 1991 we reported that the National Firearms Association (NFA) had embarked on a five step program to set up and run submachine gun competitions (Nationwide Submachine Gun Competitions Planned; Machine Gun News, April, 1991). All five steps have been taken and now is the time to stand back and survey the results. It is the objective of this survey to find out what you, the subgun shooter wants to change, continue or drop. This survey was originally run in the NFA Newsletter and is being rerun in Machine Gun News to reach an even wider audience. Unfortunately, everyone who shoots in the matches is not a member of the NFA but maybe that's a subject for another article.

The Rules of competitions were published in January, 1991 (copies are available for \$4.00 from the survey response address below). The NFA set up and ran the submachine gun competitions in Knob Creek, KY beginning in April '91. The first National Match was held in October '91 and the second will be October '92.

Range Officers and Chief Range Officers have been trained and continue to be trained (see ad at right). We have gained a great deal of experience.

Some people have fed back those things they like and even some things they don't like. This is the opportunity to get your opinion heard.

Please take a few minutes to fill out this survey and mail to:  
Sports International, PO Box 458, Palm Bay, FL 32906-0458

1. Are you in favor of organized subgun competitions? Y/N
  - a. If not, would you please expound on your opinion on an attached piece of paper.
2. Have you competed in a subgun match in the last year? Y/N
  - a. At Knob Creek Y/N
  - b. Elsewhere? Where \_\_\_\_\_ Contact \_\_\_\_\_
3. Would you compete if one were held in your area? Y/N
4. Are you familiar with the NFA sub gun rules? Y/N
  - a. Are the rules clear? Y/N
  - b. Do we need more rules? Y/N
  - c. Do we need fewer rules? Y/N
  - d. Do you generally agree with the standard strings? Y/N
5. How should strings be set up: Y/N
  - a. Sporting type targets and techniques Y/N
  - b. Military type targets and techniques Y/N
  - c. Tactical type targets and techniques Y/N
  - d. Combination of the above Y/N
6. Should targets be standardized? Y/N
7. Do you like bonus system as well as a penalty system? Y/N
8. Would you prefer a (choose one) Y/N
  - a. Local/State/Regional/National competition system Y/N
  - b. Local/Regional/National competition system Y/N
  - c. Local/National competition system only
9. Would you like to see the National competitions (choose one) Y/N
  - a. More complex Y/N
  - b. Less complex Y/N
  - c. About the same Y/N
10. Would you like to see competition extended to: Y/N
  - a. Assault rifles Y/N
  - b. Belt feds Y/N
11. Are you an NFA member? Y/N  
If not, why not? \_\_\_\_\_

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# THE TWENTY TUZI



Emily Smoot with suppressed .22 Uzi.

by MONTY MENDENHALL

The wait is over! Group Industries is now shipping their long awaited 22 LR conversion kit. UPS delivered a kit to me in late October. I installed the kit in my Uzi before the truck's dust settled and squeezed off a twenty round burst. What a thrill! The 22LR kit cycled perfectly and its rate of fire was nearly identical with the 9mm Uzi's. Also, the point of impact is virtually the same as the 9mm's and no sight adjustment is necessary.

The 9mm Uzi is easy to control. The 22LR version is even easier. When shooting a twenty round burst at a Milpark target at 50 feet, it is rare for any rounds to strike outside of the "A" zone. With just a little practice, all hits will be inside a six inch circle.

Group Industries Uzi 22 LR magazine holds twenty rounds. It is a single column type. It loads easily until about the fifteenth round. The last five are a little harder, but a loading tool is not needed.

The 22 LR conversion kit contains a new bolt, recoil spring, 22 LR barrel and two 20 round magazines. Extra 20 round magazines are available for \$30 each.

The kit is robust. The bolt is made of a light weight aluminum alloy. It has a steel insert at the point of sear engagement and the boltface to prevent wear. The magazine's feeding lips are extremely strong and will not easily deform, as do many 22 LR magazines. Feeding failures rarely occur. Ejection failures occur at a rate of less than 1 per 100 rounds. These ejection failures may be unavoidable and due to manufacturing defects in the ammunition. The kit must have full power,

high speed ammo to function properly. A weak round will cause a failure to eject. Group Industries recommends only Winchester Super X High Speed ammo for their 22 LR Uzi kit. I had none on hand when the kit arrived and tried CCI Mini-mags. For me, they worked well. Other brands of non-waxy, high velocity ammo may work too.

Standard velocity ammo does not have enough energy to cycle the gun reliably, unless a suppressor or a shortened recoil spring is installed. The suppressor increases the 22 LR's back pressure, pushing the bolt harder and increasing the rate of fire slightly. I tested the kit with a S&H Arms 9mm suppressor. I did not expect much sound reduction since the 9mm holes in the baffles are very oversized for a 22 LR. To my surprise, when shooting subsonic ammo, the primary sound was the metallic clak-clak-clak of the bolt cycling. It was a very satisfying degree of suppression.

The 9mm suppressor is far larger than needed for a 22 LR. Perhaps the extra volume makes up for the suppressor's lack of efficiency. When testing high velocity ammo, the supersonic crack of the bullet is far louder than the

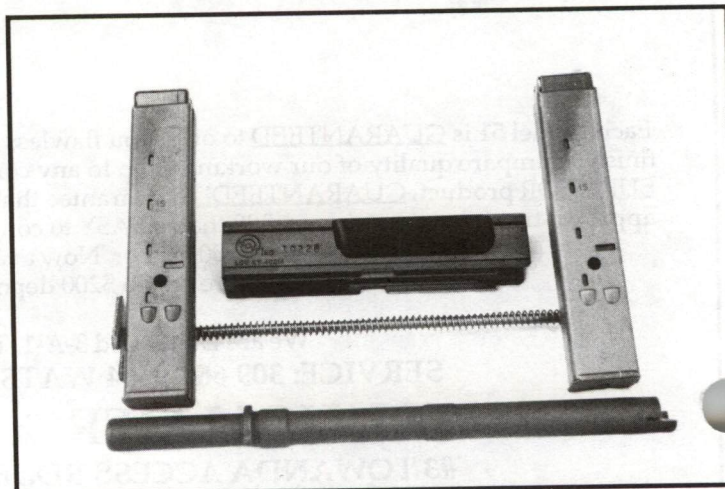
report of the gun. The suppressor also acts as a flashhider and muzzle brake. When the suppressor is installed, the group size of a twenty round burst is consistently smaller than that of a unsuppressed group.

Installation of the 22 LR kit is simple. It is identical to field stripping and reassembling a 9mm Uzi. It requires less than a minute and the directions supplied with the kit are clear. Group Industries provides a trouble shooting guide in case of functioning problems. I did not need it, the kit worked very well in my Uzi. Other Uzi's may require minor adjustments.

There are two things that will always cause malfunctions with this kit. Both are operator errors. First, the grip safety must be completely depressed while firing. If it is even slightly released, the safety will drag against the bolt and cause a misfire. Second, waxy ammo will cause problems. During testing of this type of ammo, a cartridge fired prematurely before the bolt closed. The case ruptured and damaged the extractor. Fortunately, I was not hurt. (Always wear safety glasses!) The extractor is simple to replace and cannot be installed backward. I recommend buying a spare extractor in case it is needed.

Group Industries had to overcome many problems to make a reliable 22 LR kit. The 22LR cartridge is notoriously difficult to adapt to full auto fire. It is rimmed and that makes it prone to feeding troubles in large capacity magazines. The 22 LR is of marginal power. It is unable to cycle the action reliably under less than ideal conditions.

Many 22 LR cartridges have heavy wax lubrication and all leave a dirty residue of unburned powder when firing. The wax/powder accumulation quickly causes problems in many 22 LR semi-autos. The problem is greater for 22 LR machine guns. They tend to be fired more often between cleaning sessions.



The kit contains a bolt, recoil spring, .22 LR barrel and two 20 round magazines.

The closed bolt 22 LR conversions are plagued by "bolt bounce." The bolt does not lack forward. It bounces rearward slightly as the hammer falls. Part of the hammer's energy is absorbed by the bolt. Fires are frequent. This problem can be solved with anti-bounce moving weights. John Norrell's reliable conversion of the Ruger 10/22 is proof that it can be done.

The Group Industries 22 LR Uzi kit fires from an open bolt like its 9mm big brother. This adds reliability in two ways. First, "bouncing bolt" is no longer a problem. When the trigger is squeezed, the bolt moves forward and strips a cartridge from the magazine. The cartridge is driven into the chamber by the closing bolt. It is then fired immediately, before the bolt can bounce, by a firing pin machined into the boltface. Second, the "bolt bounce" is now an asset. It aids the weak recoil of the 22 LR cartridge to cycle the action.

The 22 LR Uzi is more tolerant of fouling than most 22 LR machine guns. There is ample room inside the action for much fouling to accumulate before the reliability is affected. Simply wiping the faces of the bolt and breech every 500 to 1000 rounds seems to suffice.

I have tested the Group Industries kit with over 4000 rounds of ammo. The only gripe that I have, is that the twenty round magazines are empty too soon. Anticipating this complaint, Group Industries plans to manufacture 35 and 50 round magazines. Prototypes of these magazines exist. The large capacity magazines will be offered for sale when the current backlog of orders for the kit is filled.

Group Industries makes 22 LR Uzi kits for both Model A and B Uzis. The original 9mm gun must be of the registered receiver type. If the original gun was converted to Class 3 status with a registered, slotted bolt, the 22 LR conversion bolt cannot be installed. It will not cycle and it would not be legal because a 9mm registered bolt is installed in an unregistered Uzi receiver. The ATF classifies the bolt alone as the machine gun. If the registered 9mm bolt is replaced with an unregistered 22 LR bolt, an unregistered machine gun is created (big no-no). The only solution for this problem, is to buy a registered receiver Uzi. Registered receiver Uzis are often advertised in MGN and Group Industries still has some Pre-May 1986 Uzis in stock.

The 22 LR Uzi is a ball to shoot. At \$275 retail for the kit, it will quickly pay for itself in reduced ammo costs. It is an excellent tool for both training and introducing new people to machine gun fun. MGN

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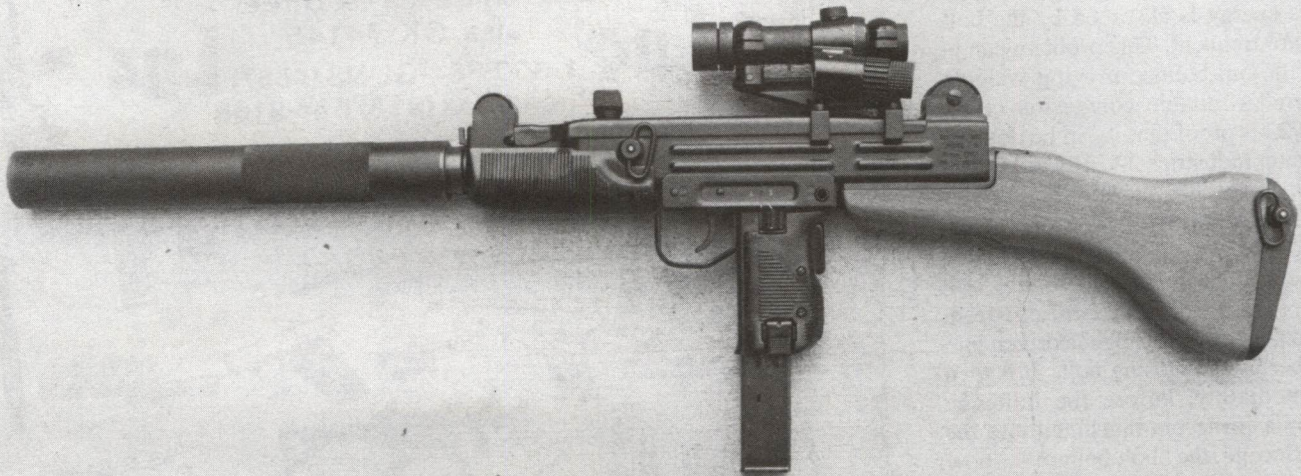
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# S&H Uzi Suppressor —



## It Even Works With .22 Ammo!

by AL PAULSON

**T**om Seslar of S&H Arms is probably best known for his museum-grade reproductions of the Heckler and Koch MP5 and its variants like the PDW. He also builds suppressors. When I visited him last year, Seslar's suppressed Ruger 77/22 proved to be the quietest bolt-action .22 I'd ever tested. But that's another story. This article will evaluate Seslar's attempt to suppress the Uzi submachine gun.

The Uzi is a particularly difficult weapon to suppress, as the U.S. government's early attempt to silence this submachine gun demonstrates. Several decades ago, the American Machine & Foundry Company received a government contract to develop effective suppressors for a variety of weapons, including the Uzi.

Since the Uzi's bolt telescopes over much of the barrel inside the receiver, AMF was not able to port the barrel into a primary expansion chamber like their other submachine gun suppressors. So AMF cut out part of the receiver, drilled two rows of holes in the barrel, and welded a manifold to the barrel. The manifold fed ignition gases to a stainless steel tube that extended along the outside of the receiver to the primary expansion chamber in the silencer. But they couldn't use a conventional concentric expansion chamber. It had to be eccentric. This complicated system required the modification or replacement of numerous parts on both the Uzi and the standard AMF silencer.

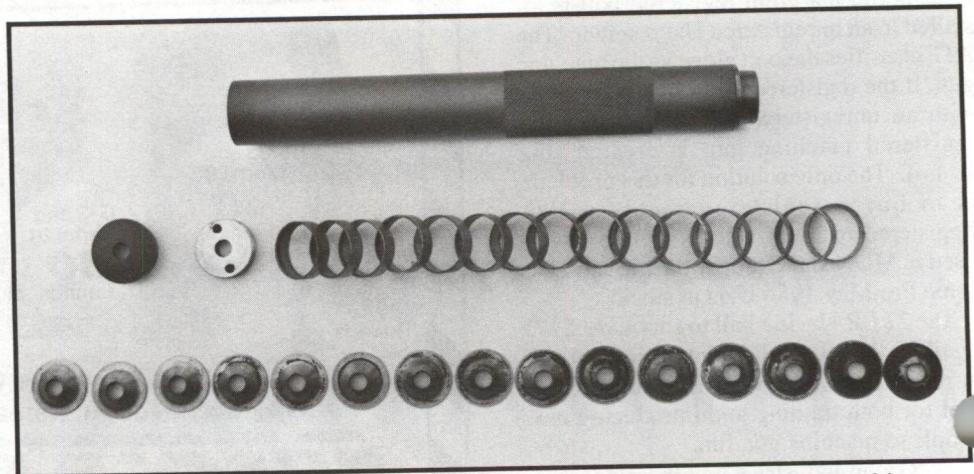
The net result was a costly and unwell-

dy system that lowered the muzzle signature from 155 to 126 decibels. That was the good news. The bad news was that the process of welding the manifold to the barrel ruined the Uzi's accuracy. AMF concluded that the Uzi was not a suitable weapon for silencing.

Jonathan Arthur Ciener proved they were wrong about 10 years ago, when he developed a muzzle suppressor and ported barrel which reduced the muzzle signature from 158 to 131 decibels. Since then, most manufacturers have developed a system for the Uzi. Some require a ported barrel, some require a threaded barrel, and some feature a mounting system that simply replaces the barrel-retaining nut and uses the original Uzi barrel. This latter strategy

is both the most practical for the user and the most challenging for the designer.

Seslar's Uzi suppressor is 12.4 inches (31.5 cm) in overall length. The tube is 11.9 inches (30.2 cm long) and 1.5 inches (3.8 cm) in diameter, and it is finished in a black hard-coat anodizing. The tube features large knurled surface to facilitate mounting and dismounting the suppressor on the weapon. Few manufacturers bother with this additional expense, but such attention to detail is typical of Seslar. The tube, primary expansion chamber, front end cap and spacers are constructed of 6061 T-6 aluminum, and the 15 baffles are 304 stainless steel. A 3.5 inch (8.9 cm) primary expansion chamber separates the rear mount of the S&H suppressor from the baffles.



S&H Uzi suppressor field-stripped for cleaning. The rear mount and primary expansion chamber of the specimen photographed for this article could not be removed because anti-seize compound had not been used on the threads. Photo by Polly Walter.

fle stack. The rear mount is made from 4140 steel and is finished in manganese phosphate. The suppressor weighs 20.1 ounces (572 grams).

"The tube is 6061 T-6 aluminum," Seslar says, "because it is twice as strong as 2024 aluminum, and it's also harder and more durable." Seslar points out that his design was inspired in the early 1980s by Dr. Phil Dater's SG-9 suppressor. In fact, Seslar purchased his baffles from Dater until 1986, when BATF temporarily interpreted new legislation to mean that manufacturers could not purchase suppressor components from one another.

Seslar says he likes "to use aluminum tubes in submachine gun suppressors because aluminum is lighter and because aluminum has a greater heat coefficient than steel. In my opinion, the suppressor changes much of a cartridge's sound energy into heat. You've got to get rid of that heat or you've got a problem. Aluminum dissipates heat approximately twice as well as conventional steel and almost four times as well as stainless steel. So I like aluminum tubes on suppressors of pistol caliber where the you can stand the pressure. Rifle calibers are a different story; their higher pressures will eventually burst the tube."

The S&H Uzi suppressor should be disassembled and cleaned every 2,000 rounds when using noncorrosive ammunition. When using corrosive ammunition, however, disassemble and clean immediately after every use. Remove the front end cap by hand to expose the encapsulator used to secure the baffles and spacers in the tube. The suppressor comes with an ingenious disassembly spanner that snaps onto a standard 3/8-inch socket wrench. I wish every suppressor manufacturer would use a disassembly tool like Seslar's design! Use this spanner to remove the encapsulator (a SIONICS-type spanner is too large), and remove the 14 baffles and spacers. Now unscrew the rear mount and slide out the 3.5 inch primary expansion chamber from the tube.

Soak the components in a solvent such as Varsol or Kroil. Avoid Hoppe's Number 9, since it will attack aluminum components. Let soak for two or more days. Drain. Wash components using dishwashing detergent in hot water. Rinse with very hot water until no signs of detergent remain, and dry. Treat all threaded surfaces with a high temperature anti-seize compound; colloidal molybdenum and copper compounds work best. This is very important! The rear mount and primary expansion chamber of the specimen



Tom Seslar's ingenious disassembly spanner snaps onto a standard 3/8-inch socket wrench. Photo by Al Paulson.

photographed for this article could not be removed because anti-seize compound had not been used on the threads. Seslar strongly suggests coating all clean and dry components with Pam nonstick kitchen spray to retard carbon buildup. Do not under any circumstances use butter-flavored Pam; it stinks like hell when combined with hot combustion gases! Reassemble.

When using Norinco anti-smoke supersonic tactical ammo (available only to police departments), the suppressor will require cleaning every 500 rounds, since this ammunition generates a large volume of peppery residue. This ammo is especially useful for entry teams who do not require heavy subsonic projectiles. Norinco anti-smoke ammunition should probably not be used in suppressors with aluminum baffles (like the Ciener suppressor) due to the erosive effect of the peppery residue striking the baffles at high velocity. Stainless steel baffles, such as those used in the S&H suppressor, seem to exhibit no erosion from this ammunition.

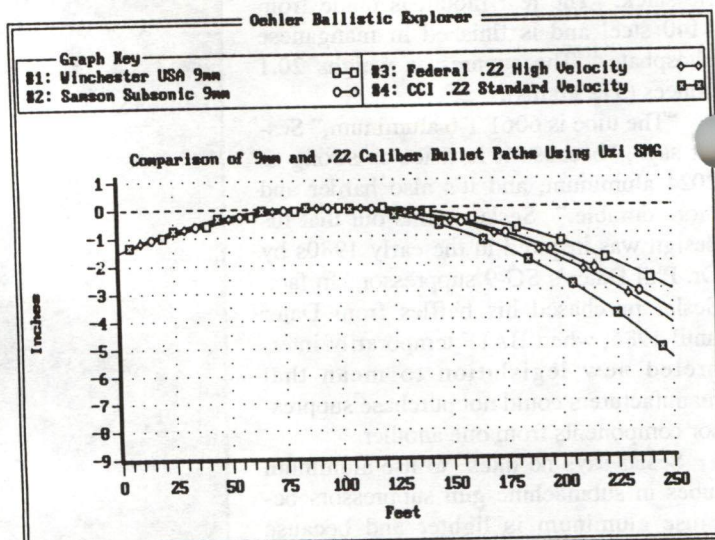
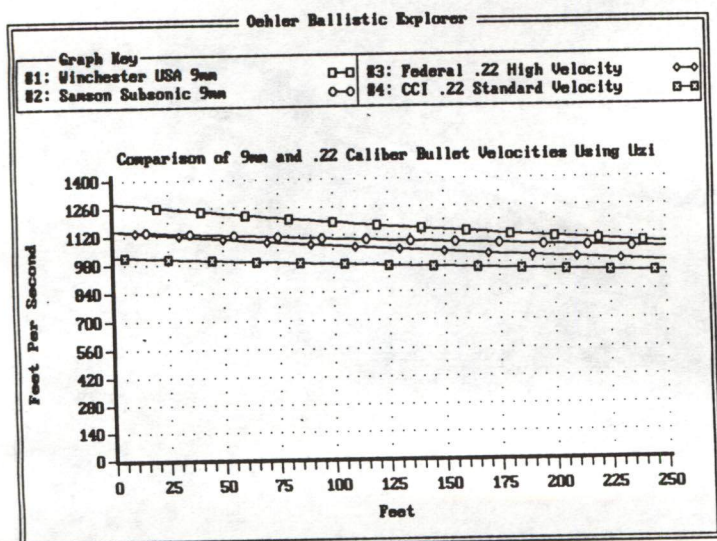
Sound signatures were measured using a Bruel and Kjaer Type 2209 Impulse Precision Sound Pressure Meter (set on A weighting) with a B&K Type 4136 1/4-inch condenser microphone. The microphone was placed 1.00 meter away from the front of the suppressor or muzzle, at an 90 degree angle from the bullet flight path. The meter was calibrated just before and just after the tests with a B&K 4230 calibrator. No instrument drift was observed. The ambient temperature during each test is listed in the accompanying tables.

In 9mm configuration, the Uzi was tested with Winchester USA 115 grain supersonic and Samson 158 grain subsonic

ammunition. A Group Industries .22 caliber conversion kit was then installed, and the Uzi was tested with Federal high velocity LR and CCI Mini Group standard velocity ammunition. Hansen standard velocity LR was not used since it did not produce a sufficient recoil impulse to reliably cycle the Uzi's bolt. Velocities were measured using a P.A.C.T. MKIII timer/chronograph with MKV skyscreens set 24.0 inches apart and the start screen 8.0 feet from the muzzle. At least ten shots were fired in each test to obtain a valid statistical sample. Ballistic analyses were conducted with the computer program Ballistic Explorer version 3.3 from Oehler Research.

Sound signatures are listed in Table 1, net sound reductions are shown in Table 2, and velocities are shown in Table 3. The S&H muzzle suppressor using 9mm ammunition is compared to the performance of the Ciener Uzi suppressor with ported barrel. The S&H suppressor with Group Industries .22 caliber conversion kit is compared to a Ciener suppressed Marlin bolt-action rifle, which represents good performance in a .22 suppressor. The bullet trajectories and velocities of 9mm and .22 caliber ammunition fired from the Uzi submachine guns are compared in the accompanying graphs.

The immediate impression from the tests was that the .22 conversion kit was both accurate and reliable. The conversion's only idiosyncrasy was that the .22 caliber extractors needed to be replaced every 3,000-5,000 rounds. The Uzi's sights did not require readjustment with the .22 conversion installed. Computer analyses of 9mm and .22 caliber bullet trajectories using the Uzi confirm (continued)



**Table 1. Sound signatures of suppressed and unsuppressed firearms expressed in decibels.**

Gun	Suppressor	Winchester USA super-sonic 9mm	Samson subsonic 9mm	Federal HV .22 LR	CCI SV .22 LR	Temperature Degrees Fahrenheit
Uzi	None	160	156	152	150	82
Uzi	S&H	135	135	123	118	82
Uzi	None	158	154	—	—	60
Uzi	Ciener	131	129	—	—	60
Marlin 780	None	—	—	143	140*	83
Marlin 780	Ciener	—	—	124	121*	83

\* Hansen Standard Velocity

Uzi bolt closing on empty chamber = 118 dB

Uzi bolt closing on once-fired case = 104 dB

**Table 2. Net sound reductions in decibels.**

Gun	Suppressor	Winchester USA super-sonic 9mm	Samson subsonic 9mm	Federal HV .22 LR	CCI SV .22 LR	Temperature Degrees Fahrenheit
Uzi	S&H	25	21	29	32	82
Uzi	Ciener	26	25	—	—	60
Marlin 780	Ciener	—	—	19	19*	83

\* Hansen Standard Velocity

**Table 3. Velocities of suppressed and unsuppressed firearms expressed in feet per second.**

Gun	Suppressor	Winchester USA super-sonic 9mm	Samson subsonic 9mm	Federal HV .22 LR	CCI SV .22 LR	Temperature Degrees Fahrenheit
Uzi	None	1,282	993	1,145	1,016	82
Uzi	S&H	1,265	983	1,209	1,001	82
Uzi	None	1,250	971	—	—	60
Uzi	Ciener	1,283	1,014	—	—	60
Marlin 780	None	—	—	1,297	1,172*	83
Marlin 780	Ciener	—	—	1,065	986*	83

\* Hansen Standard Velocity

that the bullet paths are very similar to about 40 yards. Thus, the conversion kit is quite suitable for training and sporting pur-

poses. A full clip of .22 ammunition could be held in an almost unbelievably small group, suggesting that a Uzi has the ac-

curacy needed for animal control. A suppressed Uzi would have the finesse. The plot of retained velocities and the physiology of instantaneous (as opposed to rapid-fire) hits suggest that a 10-round burst of .22 ammunition would provide the moral equivalent of buckshot.

Much to my surprise, the S&H 9mm suppressor worked very well with .22 ammunition. It actually outperformed a good integral suppressor on a bolt-action .22 rifle. Even more surprising, the muzzle signature with standard velocity ammunition was as quiet as the bolt falling on an empty chamber! One should note from Table 1, however, that the bolt was substantially quieter when it fell on a once-fired case.

The excellent performance of the 9mm S&H suppressor contrasts with my experience shooting .22 rimfire ammunition through .22 centerfire suppressors, which tend to provide disappointing performance. Furthermore, a suppressor tends to be quieter as the diameter of the passage in the suppressor's baffles approaches the diameter of the projectile. Perhaps the fact that the 9mm and .22 rimfire projectiles have similar velocities accounts for the outstanding performance of the S&H can with rimfire ammunition. Since the combustion gases are moving relatively slowly (compared to a .22 centerfire) and many baffle designs seem to work better with either low-velocity or high-velocity gases, the S&H can provides excellent performance in spite of the large holes in the baffles.

The 9mm data in Table 1 suggest that the S&H suppressor is not as quiet as the Ciener system designed for the Uzi. Data comparing S.C.R.C. suppressors on the IMI Mini Uzi and H&K MP5 (see the February 1992 issue of MGN) suggest that the S&H

Uzi suppressor provides a similar muzzle signature to the new model S.C.R.C. MK-25A suppressor with supersonic 9mm ammunition, while the S&H can be noticeably louder with subsonic 9mm ammunition. These data also suggest that the S&H suppressor probably would be about 4-8 decibels more efficient on the MP5 with 9mm ammunition. Such differences between the Uzi and MP5 relate both to how far the barrel extends into the suppressor, and to the substantial noise generated by combustion gases leaving the ejection port of the Uzi (this latter noise is absent with a closed-bolt gun).

The muzzle signature of the Uzi with S&H suppressor and 9mm ammo was louder than some other suppressed sub-machine guns as far as the shooter was concerned. I was curious about the subjective sound of the suppressed weapon to the shooter. To this end, I had a trusted and competent friend shoot Samson 158 grain subsonic rounds past my nose and behind my head, from about 30 yards away. I also faced directly toward and away from the shooter. (Don't try this at home!) The dominant sounds were the rather high frequency "clink" of the bolt closing and the low frequency "thump" of the bullet striking soft dirt 30 yards beyond where I stood. From the shooter's perspective, Seslar's suppressor has lowered the apparent muzzle signature to less than the action noise. Any additional suppression from an Uzi suppressor has little practical significance downrange.

There are quieter 9mm systems than the S&H Uzi suppressor in the marketplace (we'll evaluate a number of new Uzi suppressors in a forthcoming issue of MGN). Additional suppression beyond the performance of the S&H suppressor certainly has implications for the aesthetic experience of the shooter, but the S&H suppressor provides enough suppression for both tactical and sporting applications with 9mm ammunition. The S&H provides excellent performance with .22 rimfire ammunition.

The S&H Uzi suppressor provides solid performance and outstanding workmanship. That's what we've come to expect from Tom Seslar, and that's what he delivers.

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# Ammo Bunker

BAD AMMO

by DUTCH HILLENBURG

**M**achineguns quickly consume large quantities of ammunition. That's what they were designed for and that ammo burning rush is what we all chase after. True, your favorite ammo burner may not inhale .308 like Jonathan Arthur Ciener's Mini-gun and you may not burn barrels up like Kent "Constant" Lomont but you are probably astonished (and appalled!) at just how much expensive factory or laboriously reloaded ammunition you can eat up in a shooting session.

Ammunition, even standard ball, is expensive. When you start putting it through automatics things quickly get out of hand. There's just no way we can trot down to the local K-Mart and plunk down \$22.95 for a box of Remington Green Box .45 ACPs to run through our Reising. Ain't gonna happen folks! You might do that for the Colt Commander you keep in your nightstand but not for your blatin' ammo.

That leaves three choices: reloading, surplus and mooching. Reloading is much less expensive than factory but unless you are willing to shell out for a quality progressive like a Dillion 550B and willing to put in a lot of personal effort, reloading is a pain in the ass. Dillion makes great equipment but the ammo is only as good as you make it and I'm just too lazy to screw with it. Some guys really enjoy making up new loads. It bores me to tears. I just don't want to mess with measuring cases, reaming primer pockets, lubing and all the rest. Do I reload? Of course! I just don't reload ammo for my machine guns. I have a single stage press just in case I want to load up a box of .30-30s or 6.5 Swedish Mausers but that's where I draw the line. Mooching? You all know this guy. He's the one who always "forgets" to bring ammo to the range so he ends up shooting some of yours. Done too often this warrants being named official ammo bearer. You might, at least, make him work for his supper.

Surplus is where most people go for their ammunition needs. If you shop around in Shotgun News or at the gun-

shows you can pick up surplus military ammunition for far less than commercial and often at prices which compete with the cost of loading your own. Prices fluctuate greatly depending on supply and demand. Recently, the market has been flooded with cheap .308 Winchester and 8mm Mauser ammunition. Much of the cheap .308 was military surplus ammunition manufactured by CBC and was coming in from Brazil through Century Arms. Problems started popping up with rounds which had the headstamp CBC 75. Excessive pressures from these rounds could cause serious damage or destruction of any firearm using these cartridges as well as possible injury or death to the shooter. If you have any of this ammunition DO NOT shoot it.

Contact Century Arms immediately at 800 - 742-1094. They are exchanging the defective rounds with ammunition which is known to be safe. When word went out that there were problems with CBC ammunition the prices on reliable .308 shot up. Supply and demand.

This highlights a problem inherent in reloads and military surplus ammunition. Quality Control. Commercial ammunition is rarely seriously flawed. Reloads are only as good as the reloader. It is easy to produce double charged or uncharge rounds even if you are trying to be careful. Military surplus ammunition goes on the market because it is no longer considered reliable enough to issue to troops due to age or deterioration caused by poor storage. We are not talking about pristine factory fresh ammo. Surplus is anywhere from twenty to seventy years old and usually corrosive. Sometimes World War II left overs can be as clean and shiny as factory fresh while stuff that is dated in the early 1980's will be green with corrosion. Paradoxically, I've bought really crappy looking ammo that shot perfectly while nice clean looking recent production ammunition had serious problems.

Last year, I was at a friend's house and he produced some reloads and asked if he

could shoot them in my Uzi. I looked them over carefully. They appeared well made with 115 grain full metal jacketed projectiles. They were well seated, the primers were properly seated and the rounds performed flawlessly through his Browning Hi-Power. I let him load up a couple magazines and he started burning long bursts through the Uzi. Suddenly I noticed that I wasn't seeing bullet impacts and great puffs of white smoke came out of the ejection port as each round fired! Being rather dense this puzzled me greatly but I knew that this did not appear normal. I halted his firing and examined the weapon after clearing it.

A round had stuck in the barrel! The unlocked blowback action of the Uzi had allowed the back pressure to vent itself through the ejection port. This was the puffs of white smoke I'd observed. The action kicked the bolt back and allowed it to strip another round which on firing lodged behind the first. This continued until I stopped the shooter. I estimate that SIX ROUNDS(!) fired and lodged before I was able to halt the firing. At 650 RPM that's about half a second. If I hadn't stopped him, the weapon would have quickly jammed when the barrel became so packed with stuck projectiles that no more rounds could have chambered.

It may be that there had been a single undercharged round which lacked sufficient energy to traverse the length of the ten inch barrel. Perhaps all the rounds were so lightly loaded that they could clear the four inch Hi Power barrel but not the ten inch barrel of the Uzi. It doesn't really matter. My friend had put more than a thousand of these through his pistol but the first burst had become hopelessly jammed in my Uzi. Thankfully, the blowback action of the wrap around open bolt Uzi had allowed the pressures to vent safely out the ejection port. I would hate to imagine what the results would have been in a closed bolt action such as an MP-5 which could have allowed the pressures to build to dis-

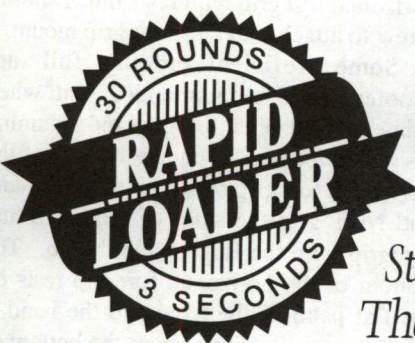
This problem is not limited to reloads. I recently did exactly the same thing with a M1 Greasegun while shooting some Brazilian CBC .45 ACP ammunition. Again this ammo had performed fairly well in a hand gun but it simply couldn't cut it in full auto with a longer barrel. If you are trying out questionable ammo don't use it in your museum grade 1921 Colt Thompson. I only collect mass produced "shooters" so a problem is easily fixed. It never ceases to amaze me that someone will pay big bucks for an all matching, super collectible machine gun and then will run the cheapest nastiest ammo they can find through it. That kind of logic eludes me. Do they scrounge used motor oil to use in their Porsche 911? Let's use some logic, people. Save the questionable or corrosive stuff for one of your "parts" guns.

and Latin America. The 9mm is prevalent throughout most of the world. Some CBC .45 ammunition is floating around but this stuff is unfit for usage as anything other than breaking it down for components. Berdan primed .308 and 7.62x39mm is around a dime per round, while .223 is pretty steady at fourteen cents, but then it is usually boxer primed so you can recoup something on the brass. The supply of surplus ammunition in 30.06 has dwindled considerably and prices are up around twenty-six cents per round unless you buy some really old corrosive pre-WW II stuff.

On a different note, MGN recently featured an article on the DeLisle Carbine and shortly before that examined AWC's ill-fated Centurion carbine. In the July issue, a reader inquired if anyone was reproducing the DeLisle. I was intrigued by the DeLisle article and suddenly hit upon a variant using the 9mm Spanish "Destroyer" carbine rechambered in 9mm Parabellum and a Blaylock Gun Works R-9 suppressor to create a suppressed bolt action carbine.

I have a BGW R-9 on my Sten and I am very pleased with it. I talked with Dale at BGW and the project is in the works. It won't be a .45 but with 158 grain Samson sub-sonic blue-tips it should be a fun, hard hitting and very quiet addition to my collection. Look for a write up on it in a future issue. Dale said that if there was sufficient interest he would consider a limited production run on the Destroyer or a copy of the DeLisle Carbine. If you think you might want one give him a call.

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# Tinkering With Thompsons



by JIM KLODZINSKI of GUNMACHINES  
*TSMG Foregrips and a Beavertail Design*

In a past article, I discussed a prototype combat competition TSMG making use of a stainless steel receiver and trigger housing as well as incorporating some Gun-machine parts. In the article, I also discussed using a horizontal foregrip of a beavertail design. Before further discussing the beavertail concept, let me briefly review the TSMG models as to foregrips.

The original 1921 Colt Thompson and its preceding prototype designs used a foregrip of a vertical pistol grip design now commonly referred to just as a vertical foregrip. Using this foregrip with a proper stance certainly aids the shooter in achieving tighter groups on target during full-auto firing. However, to fill a contract for the U.S. Navy, the vertical foregrip was replaced with a horizontal foregrip. This model became the 1928 and is also known as the Navy model. The reason for having a horizontal foregrip was the Navy thought the vertical foregrip would be susceptible to breaking under combat conditions.

During World War II, the first Thompsons in the fight were Model 1928's. These appeared with the vertical foregrip and also with a horizontal foregrip. When the M1 and later M1A1 went into production, both of these models utilized a horizontal foregrip.

Although, I personally like the look of the vertical foregrip since it projects the classic Thompson image, I have to admit that it does add to the overall bulk of the firearm. Also, the Navy's concern with the vertical foregrip not holding up under combat conditions seems reasonable considering it is made of wood and only held in place by a long screw. However, I have not seen anything in print about the vertical foregrip breaking or otherwise being an impediment under war conditions.

Besides the look of the vertical foregrip, I also like it because when properly gripped

and a solid stance is taken firing from the shoulder, the TSMG is extremely controllable during full-auto fire. Even if the shooter empties a hundred round drum magazine in one continuous burst, he is able to easily keep all rounds fairly well grouped in the center of a silhouette target at twenty yards. I have not found that the same degree of controllability present when shooting the Thompson using a horizontal foregrip, whether the model be a 1928, M1 or M1A1 or even a 1921. I should note here that any model Thompson will accept either a vertical or horizontal foregrip on the front grip mount. The horizontal foregrip requires a much shorter screw to attach it to the front grip mount.

Some proficient sub-gun, full-auto shooters have recommended that when using the horizontal foregrip and assuming a shoulder stance, to lay the bottom of the horizontal foregrip on the palm of the hand and NOT grip the sides of the horizontal foregrip with the fingers and thumb. The bottom of the horizontal foregrip rests on the flat palm of the hand and the hand is more or less diagonal across the bottom of the horizontal foregrip, or all of the fingers and thumb pointing forward. Controllable two and three shot bursts are supposed to result from this method. I haven't found this to be the case for myself, although, I have seen some shooters get tight groups with this method. I certainly would not recommend this method if you are going to fire a long burst or empty a full clip or drum in one continuous burst.

When shooting with a horizontal foregrip, I grip it strongly with my fingers on one side and the fleshy part of the base of the thumb on the other side. The thumb is parallel with the side of the horizontal foregrip and points forward. The bottom of the horizontal foregrip is also gripped by the palm of the hand. I have never been

very content with this grip. There just doesn't seem to be enough wood for me to grip and feel secure during full-auto firing. Also, I have to make sure that my fingers are properly placed so that the tips don't touch the barrel. I have discussed this "problem" with other shooters and generally received the reply that more wood on the horizontal foregrip would be better for a more secure grip. This led me to experiment with a horizontal foregrip of a beavertail design. A beavertail design is basically having the lower sides of the foregrip wider than the upper sides of the foregrip. To see if this concept would be beneficial, I just glued a couple of strips of wood along the lower sides of a military horizontal foregrip. This made the bottom sides of the foregrip thicker by about 1/4 of an inch per side. The height of these strips of wood ran from being parallel with the bottom of the side to about 3/8 of an inch up the side. I found that this crude arrangement offered a much more secure grip. I tried to spruce up the foregrip by tapering the edges and ends of the strips of wood and staining the wood strips. Although, the modified foregrip allowed for a better grip, cosmetically, it left a lot to be desired.

Occasionally, I have discussed the beavertail horizontal foregrip concept with some of my customers, and one of them had the skill and equipment to make one from scratch and send it to me for comments and testing. It is beautifully sculpted and incorporates a true beavertail design that is available on some shotguns and rifles, particularly if they have slide actions. The secure purchase that your hand gets on the foregrip is a dramatic improvement. One can really grip it without risking any part of your hand or fingers coming in contact with the barrel. It looks well on the Thompson and contributes to controllability when firing full-auto from the shoulder. I am currently trying to interest the designer to make a batch to be ready for sale in the fall. If you really want to be able to hold on to your M1 or M1A1 during full-auto firing, the beavertail horizontal foregrip concept works.

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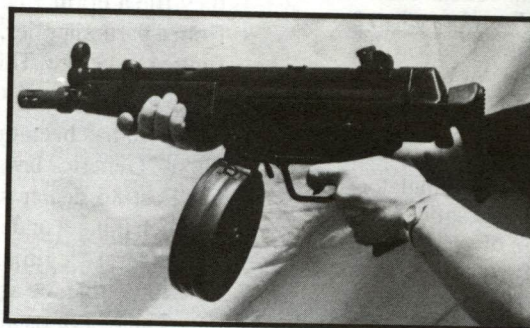
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# The Forms

by DAN SHEA

**M**y dance card is full this month. There are so many things developing that I'm having trouble keeping up. I'll try and brief you as thoroughly as possible in the short space available:

**A** For those of you who have written in requesting help in getting the classification of various military training devices, I have received a reply from Roy Parker, Enf. Officer, Explosives Technology Branch, BATF. Generally speaking, the following devices are not Destructive Devices requiring registration (Federal Law), but they ARE explosives requiring compliance with 27 CFR, part 55. That is Federal requirements of licensing, transportation and storage. Mr. Parker also informed me that there is no legitimate source for these items, as the government contractors will not sell to the civilian market. What he means is that the following devices will be considered **STOLEN GOVERNMENT PROPERTY**. Be advised.

M-73 sub-caliber training rocket for the M-72 LAW - is a Class C explosive, depending how packaged it can be a Class B.

M-21 WESS Simulator - electrically fired white canister, less than 2 oz of flash powder, Class B

M-22 ATWESS Simulator - 2 1/2" white canister, simulates backblast from TOW, Dragon, Viper. Less than 2 oz of flash powder, Class B.

M-74A1 Projectile Air burst simulator-fired from the AN-M8 flare pistol, 3.85" aluminum cylinder, less than 2 oz of flash powder, Class B.

M-110 Artillery Flash Simulator- black plastic, uses 2 oz of gasoline (user adds) and about 2.8 oz of pyrotechnic compound- what that compound is dictates whether it is a Class B or Class A.

M-115A2 Projectile Ground Burst-white cylinder, about 7" long, pullcord fuse, 2+ oz of flash powder- Class A explosive.

M-116A1 Simulator, Hand Grenade- 3.75" long white cylinder, pullcord fuse, some have 1.25 oz flash powder and are Class B, some have 2+ oz and are Class A.

**B** There has been a serious change in the manner of transfer for Destructive Devices. I just received a letter from Colleen Davis at NFA Branch BATF that the legal department has reviewed the long standing

practice of removing the barrel from an M-203 40mm grenade launcher, an M-79 grenade launcher, or a 60mm mortar, writing a letter to NFA Branch notifying them to remove the device from the NFA Registry, allowing the customer in another state to file a Form 1 tax paid to manufacture the receiver back to a Destructive Device, then giving them the barrel when the Form 1 was approved. No more. That will be considered an illegal act. In light of the recent letter I received from them that a Type 1 FFL holder may receive Destructive Devices interstate on a Form 4 tax-paid, Type 1 dealers have no problems if they can get a law enforcement signature. You can still remove a DD from the registry by removing either the barrel or the receiver from your possession and sending in the letter. You cannot subsequently give any barrel to the same person's possession. I investigated, and you can not use a third or fourth party to send the parts. I would say that NFA is going to be watching closely on this issue. I think it's foolish because the industry used to police itself, with those few companies that were involved making sure that any receiver sold was registered on a Form 1, and now you are basically told to turn the receiver over as a Title I firearm and you have nothing to say about whether they file a Form 1 before they buy a barrel from a parts supplier. It was hard enough to figure out before. This is effective immediately, people, so once again, be advised.

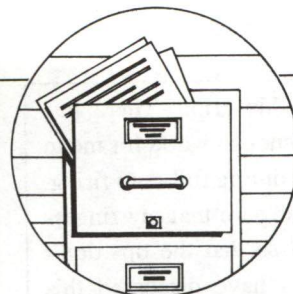
**C** There has been quite a bit of talk lately about "Generic" law enforcement letters to get Post-86 dealer sample machine guns. No such thing. I understand that some of the longer term "legitimate" Class 3's may be able to do that, or are rumored to say they can. The rest of us need to have the department specify the make and model of the machine guns they would like a demo of, and we also need to provide a letter from ourselves naming some of the other law enforcement agencies we plan to demo to, and name our source of future purchases. In the case of obsolete firearms that are not available from a vendor, you should state that. An example would be a department that has a Walther MP-L that came in after 1986, and they want to transfer it out as part of a trade-in package. NFA has to let the transfer go through, but the dealer needs a

letter for a demo from another department, and must explain that there is no source for future purposes. This one doesn't make a lot of sense, but that is the way the law reads.

**D** Those who are hemming about whether they should pay the Special Occupational Tax to become Class 3 should be aware that the tax is not pro-rated according to how many months are left until next July 1! It's \$500 for the year, no matter when you pay, it is due again next July 1. However, if you were unable to do business last year for any period of time because of the government's fault, you may be due a pro-rated tax rebate. Say for instance that you paid the SOT in June of last year for this year, and they didn't get you in the computer until November, and all of your transfers were held up- you would be owed \$500 (SOT) divided by 12 months, times 4 months (July, Aug. Sept, and Oct.) or;  $\$500 / 12 = \$41.66 \times 4 = \$166.64$  ! File Form ATF 2635 (5620.8) available from your local BATF or copy the one in the back of the Mach Gun Dealers Bible. There. Some of you just paid for your years subscription to MGN, a MG Dealer's Bible, some ammo and chili dogs at the next shoot! If you got more than four months, you can treat for the cheesy eggs'n grits at the Waffle House near Knob Creek. Or donate any like amount to the Defeat Clinton Fund of your choice.

**E** J.R. Customs has corrected me numerous times on this issue - and maybe I can get it right this time. In Washington State, members of the Armed Forces to include the National Guard and Reserves may legally, personally own registered machine guns. Go for it, Washington! (Did I get it right this time?)

**F** I got the response from Wayne Miller, Chief of the National Firearms Act Branch, BATF, in regard to the Dalton case. Those who remember from the last issue of *The Forms*, in the U.S. vs. Dalton, (Tenth Circuit Court of Appeals, #91-1149) the court ruled that since the Federal government stopped collecting transfer tax on newly manufactured machine guns in 1986 (922.0), they no longer have any authority over post 1986 machine guns. This ruling was based on the fact that Congress' power to regulate these firearms is based in tax-



collecting, they are constitutionally forbidden to engage in gun control. Contrary to anti-gun propaganda - the U.S. Supreme Court has ruled several times that the federal government may not engage in gun control. In the *Sozinski* case in 1936, the court made it clear that the only way Congress could register the NFA weapons, was by imposing a tax on their sale, and collecting information as a by-product. The Gun Control Act of 1968 was based on control of interstate commerce, not firearms. Mr. Miller's letter made it clear that BATF is not going to just roll over and go back to Pre-86 regulations. They feel that since they still collect excise tax on Post-86 machine guns, they are collecting tax. Regardless that the tax authority was created with transfer tax in mind, and that FET is for "Sporting Firearms", whatever they are. I still hold that if we keep at it for four or five years, we may overturn the 1986 Ban. Unless there is a major change in the leadership of this country. Take the hint guys. George Bush may have turned coat on us once or twice, but if we have the current bunch of thieves and communists in Congress AND Taco Bill Clinton (in case of war, take a run for the border) you might as well kiss your guns goodbye. Or lock and load. These guys want to confiscate our guns plain and simple. Get active political-

*"If you will not fight for the Right when you can easily win without bloodshed; if you will not fight when your victory will be sure and not too costly; you may come to the moment when you will have to fight with all the odds against you and only a small chance of survival. There may be a worse case. You may have to fight when there is no hope of victory, because it is better to perish than live as slaves."* - Sir Winston Churchill.

I'll get off the soapbox now.

**Q** Over ten years ago I bought an M1A1 Thompson SMG to complete a correct restoration of a WWII Harley Davidson WLA motorcycle. I enjoy the TSMG immensely (my favorite toy).

Couple of questions: What is this Pre 86, Post 86 stuff? What happened in 1986?

Important question: Please help, back in the early 80's I moved from Ohio to Colorado, then back. BATF sent me Form 7560.8 to use for interstate transport. Now I'm back in Colorado, and may move my gun back and forth or at least bring it here. You mention Form 5320 in MGN as the form to use. Is this something new, or what?

Joe K.

**A** What happened in 1986? Aside from the

## MACHINE GUNS AND SUPPRESSORS TO CLASS III DEALERS AND QUALIFIED INDIVIDUALS

Colt M16 - \$2395.

Colt CAR-16, NIB - \$3495.

Colt AR-15/MO.614 Full Auto From Colt - \$2695.

**The following RARE Pre-May 19th Steyr Factory Dealer Sample Machine guns: Steyr Aug A-1, Steyr Aug Heavy Barrel with special receiver, Black Police Aug, and assorted barrels. Steyr MPI-69, and Steyr MPI-81 Submachine guns. All Steyr items prices on request only**

Rare Belgium FNC in .223 NIB - \$2695.

S & H Arms all new in box: HK MP5, MP5SD, MP5K, HK33, HK53, HK 51, HK G3 - Prices on Request

MAC 10/.45 ACP NIB \$795.

Cobray M11/9mm NIB \$675.

**Owners Private Collection**

H&K MP5, MP5SD, MP5K, Set of Three, Consecutive Serial number set, Extremely Rare Collection P.O.R.

**RARE RARE RARE - Four (4) brand new in box Full-auto Ruger rifles and Carbines: 1-AC556, 2-AC556F, 3-KAC556, 4-KAC556F These are new in their original boxes with Manuals. One weapon of each variation. A true collectors dream. Only reasonable offers please.**

**For sale as a set of 4 only. Make offer.**

AWC Suppressors of all types

Suppressed weapons - all new in box:

Ruger MKII \$675.

MKII Stainless \$725.

Ruger 10/22 \$695.

Ruger M77 .22 \$725.

Too many too list.

### Registered Auto-Connectors AR15 to M16 with one drop in part \$495.

UZI 9mm/45 combos in Hard Case

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All new in box: HK 91, HK93, HK94, G3S, Colt AR-15 HBAR, CAR-15; Galil AR/ARM in .223 & .308 Call for prices

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All H&K magazines in stock

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Call for Steyr-Aug Accessories

All weapons and suppressors are fully transferable with accordance to BATF guidelines.

Remember - Future changes in BATF laws could soon stop sales of all full-auto's and suppressors to qualified individuals like you.

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**PACIFIC TACTICAL WEAPONS**

**1806 S. Main St.**

**Las Vegas, NV 89104**

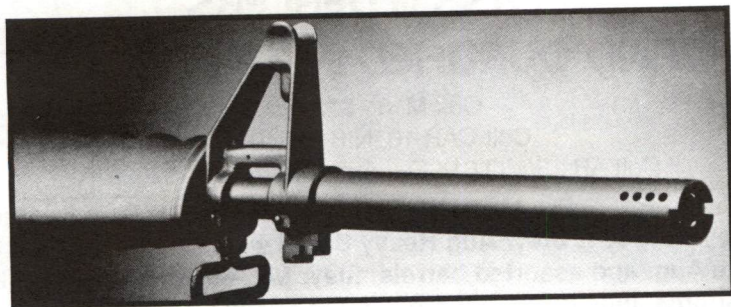
Ask for

**George Tsukamoto**

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Torque Wrench Required for Installation

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The Conversion Includes The Following Original Features:

1. One Piece 5.87" Match, Threaded 3 (1/2x32) Lug Barrel (1/2x28 on request).
2. Choate PDW Folding Stock.
3. West German SEF Lower.
4. West German Vertical Forearm.
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6. Firearm Parkerized & Refinished.

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Democrats in Congress gutting out the Capitol Gains as regards many things and setting the stage for the current recession they are blaming on Reagan, and the majority of America blissfully unaware of the coming crash, our lawmakers passed the "Firearm Owners Protection Act", sometimes called McClure-Volkmer. There were many positive things done in this legislation, but the pertinent part to our discussion is called 922.0. In 922.0, the manufacture of machine guns for private ownership was banned as of May 19, 1986. This was slipped in at midnight with a small group of congressmen present, by voice vote. It was obvious to those present that there were a majority of "Nay" votes, but Speaker Tip O'Neal dropped the gavel in favor of the ban. It was a railroad job, but many on the pro gun side let it stay as a "compromise". This effectively froze the existing quantity of machine guns available in the market, and created an escalating value structure, if not a downright buying panic.

The Form 5320 is the correct form for you to use in interstate transport, and MGN has covered it many times - check out the Editorial Index in the March 92 issue.

**Q** Enclosed is my check for a copy of *The Machine Gun Dealers Bible*. I have a question I would like to ask Dan, would you relay it to him and send me an answer in the SASE.

Dan, I would love to get a Class 3 license. I would probably get three or four full auto weapons for myself the first year. Now the problem. I'm just getting into full auto and have a lot to learn. So what if I don't sell anything the first year. Will I have problems with BATF? I don't want to get in over my head. I probably would have gotten a Class 3 license over a year ago if not for this question. It has caused me a lot of anxiety to say the least.

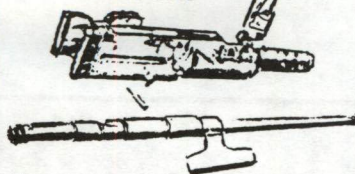
Chuck S.

**A** Once again, the stamp has been steamed off your envelope and used for political mailings. Allow me to re-iterate; it is illegal to get a license to enhance a private collection. If you don't make any sales in the first year, you could be a poor businessman. If you are a Class 3 for 10 years, never make a sale, and collect a 100 machine guns, you are going to be suspect. If you pay the \$200 tax on each one at the end of your time as a dealer, there should be no problem. It's tax evasion that is the issue.

Questions to:

Dan Shea, c/o MGN  
P.O. Box 759, Hot Springs, AR 71902

## .50 CALIBER BROWNING M2 HB MACHINE-GUN PARTS SETS



These kits are a bit different in that some repairs must be done to the receiver components. The top cover, top & bottom plate, & trunnion have a small 1/8" wide cut in them on the left side that needs repair. The cuts are not deep. We will be happy to send you a Polaroid of this prior to shipment if you wish. Polaroids are free with an order or \$2.00 for a "Look See". Again parts for the gun including the rivets for the receiver plates are included. You get the parts except the receiver sideplates. The standard cocking handle is included, all sights are included & all parts are in serviceable condition & bore condition is very good or better. Accessories & tools included free are as follows:

1 - Cleaning Rods, 2 - Head Space & Timing Gage Assembly, 3 - Firing Pin Spring Assembly Tool, 5 - Ratchet Chamber Brush, 6 - Spare Parts Pouch, 7 - M6 Rod and Firing Pin Vest Tool. (Value Over \$60.00.)

Whole Kit as above. **\$1595.00**

Whole Kit with non-demil (un-cut) receiver parts

(one sideplate missing). **\$1990.00**

HB M2 Kit without the receiver parts.

**\$1395.10**

If you wish the ANM2 Aircraft Configuration, we can supply this with a G.I. original barrel @

**\$1497.50**

AN/M2 Kit with non-demil (un-cut) receiver parts

(one sideplate missing). **\$1892.50**

AN/M2 Aircraft kit without the receiver parts.

**\$1297.00**

### SHIPPING \$35.00

Following accessories are NOT included in the parts kits

Extra Accessory List for .50 M2:

Internal Bolt Latch Assembly. **\$ 85.00**

Bolt Latch Release w/Spring. **\$ 20.00**

Retracting Slide Assembly. **\$ 125.00**

Barrel Carrier. **\$ 30.00**

M65 Mount (Combo. AA & Ground).

**\$1250.00**

Flash Hider Assembly. **\$ 37.50**

(Note: You will get a complete parts & accessory list with your kit.)

## MACHINE GUN PARTS CATALOG

Contains pricing and schematic picture breakdowns on over 25 U.S. and foreign LMG/HMGs for which SARCO has parts.

Excellent Reference

**\$4.95**

## MG AMMO BELTS/LINKS

MG-34 METAL LINKED BELTS 8 belts \$19.95.

30 B.M.G. CLOTH BELTS \$5. EA

VICKERS CLOTH BELTS \$15 EA. 3/\$35.

ALPHA MG METAL LINK SEGMENT

W/LEATHER STARTER

TAB \$5.00 EACH, OR 4 BELTS IN CAN \$15.00.

30-06 B.M.G. LINKS 100/\$5., 1000/\$35.,

5000/\$125.

.50 B.M.G. LINKS 100/\$10., 1000/\$80.

M-85, .50 CAL. AND 20MM LINKS AVAILABLE

(INQUIRE)

## MACHINE GUN MAGAZINES

PPSH 41 Stick Mag. - Orig. **\$ 35.00**

PPSH 43 Stick Mag. - Orig. **\$ 30.00**

French Mat 49 SMG **\$ 35.00**

M14 Mag. New **\$ 12.50**

M16 Mag. 30 Rd-Used **\$ 8.00**

Thompson Mag. 30 Round **\$ 6.00**

PPSH-41 Drum **\$79.95 each or 3 for \$225.00**

Swiss MPKO 7.63mm **\$100.00**

Sterling 10 Round **\$ 24.95**

Sten Gun **\$ 4.95**

French Chat. 24/29 LMG **\$ 19.95**

Sterling 32 Rnd **\$ 34.95**

## SARCO Inc. Dept. MGN

323 Union St.

Stirling, NJ 07980

(908) 647-3800

When calling - ask for Mark

## 1919A4 Receiver Parts Kit

Parts come from G.I. Guns which have been torn down (not torched) carefully.

Kit Includes:

Trunnion

Left Side Plate

Top Plate

Bottom Plate

Belt Holding

Pawl Bracket

Extractor Cam

Extr. Feed Cam

Rivet Set

Rear Cart. Stop

One Each of Listed Parts

+ Rivet Set **\$195.**

M-35 Skate Trolley.....for M2 Halftrack

M3 Scout Car Exc. Cond. Scarce!...

Complete **\$500.00**

## MAG-58 Tripods Coming Soon!

M-3 Tripod For M-2 .50 Cal MG (Used)

Exc. Cond w/ T/E & Pintle **\$725.00**

## 1917 Mount With A Combination

Cradle Capable Of

Fastening The .30, .50

Browning Machine

Guns and FN-MAG 58

Machine Gun. Ammo

Can Holder Takes .30 +

.50 Ammo Cans **\$345**

## .50 Caliber Technical Manual

TM 9 -1005 -213 - 25 Includes current updates (CH 1 & 2)

**\$19.95 each or 3 for \$49.95**

Shaw 7mm Link Loader **\$ 34.50**

1918 Belt Loader for Cloth

1917 + 1919 BMG Belts **\$135.00**

FN Mnfg. .50 Link Loader **\$100.00**

30.06 Link Loader New Mfg. **\$195.00**

.308 Link Loader (for M-60 links) **\$195.00**

## VARIOUS M.G. MOUNTS

M-3 Tripod W/ T/E + Pintle New G.I. **\$875.**

M-2 Tripod W/ T/E + Pintle New G.I. **\$499.**

Quad Mount W/Belly Armor

And Generator Excellent **\$5450.**

Bren Tripod W/A.A. Ext. Exc. Cond. **\$245.**

Alpha Tripod Exc. Condition **\$150.**

M-25 Pedestal Mount w/.50 Cal. Cradle (G.I.)

or with a 30/.50 Cradle **\$495.**

M48 Dash Mount **\$495.**

## BREN MAGAZINES

### WITH CARRIER

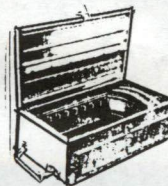
Get 12 like new Bren .303 magazines packed in their original steel carrying chest. This is the way spare magazines were carried in the field for rapid reloading.

12 mags. with chest.

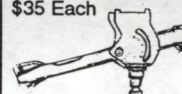
**\$59.95 (set!!!)**

5 sets (60 mags. and 5 chests).

**\$250.00**



10 for  
\$35 Each



## IMAGA MOUNT

Standard type mount

socket + unusual

cradle. Great for small

projects. **\$50.**

## M-63 ANTI-AIRCRAFT MOUNT

FOR THE BROWNING .50 CAL. M.G. ONLY

A FEW LEFT! A VERY STEADY PLATFORM

FROM WHICH TO FIRE THE VENERABLE

.50 - PERFECT FOR THOSE LONG DAYS

AT KNOB CREEK **\$1250.**

## MISCELLANEOUS

Bren MKII Barrels 8mm Excellent Cond. **\$295.**

Demilled Bren Gun Receivers **\$100.**

Demilled MG-34 Receivers **\$100.**

## \*\*\*\*\*MAXIM\*\*\*\*\*

MAXIM BELT LOADER **\$495.**

MAXIM ZF-12 Sight W/case

Very Few Left **\$250.**

## 30.06 Ball Ammo

British Mnfr. Berdan/N.C. Slightly discolored from being on MG cloth belts 1000 Rds **\$250.00**

## BREN GUN "SURVIVAL KIT"

10 - Magazines. A \$208.00 Value.

1 - Magazine catch

1 - Extractor

1 - Firing pin

1 - Ejector

1 - Gas Regulator

1 - Sear spring

1 - Front sight guard

1 - Sear post w/screw

KIT PRICE **\$99.50**

## BROWNING 1919A4 MACHINE GUN KIT

SALE!

We've just got a new deal!!!

**\$575.00 ea.**

2 sets for **\$1,100.00**

4 sets for **\$1,995.00**

10 sets for **\$4,450.00**

Rivet set (for receiver) not

included in kit.

Available

**\$35.00 set**

Note: Our Kits Have Left Side Plate, Trunnion, and Top & Bottom Plates of Receiver.

This kit includes all parts for an A4 or A6 Browning MG except one sideplate and the rivet set. Left side plate, trunnion block & top & bottom plate are included (these are truly unavailable items). All sights are included. Barrel bore condition is excellent & most parts are in new condition.

In Addition To The Parts Set, We Include The Following Accessories Free:

1 - New G.I. Gun Cover, 2 - Spare Parts Pouch, 3 - 200 Links, 4 - Cleaning Rod w/case, 5 - Broken Shell Extractor, 6 - New G.I. Carrying Handle, 7 - Oil Can, 8 - M-16 Brush, 9 - G.I. Manual.

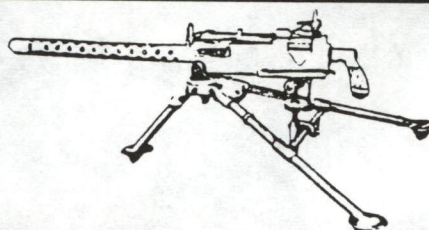
Note: Sideplate material blanks not sold to buyers of this kit.

(Note: All above accessories are orig. and have a value over \$100.00.)

Cost for the 1919A4 Kit and all accessories is **\$575.00**

M1919A6 Kit Option avail.- Includes all A6 parts except bipod & flash hider parts.

Add \$100.00 to price of basic kit above.



# Archive Photo of the Month

*From the Robert Bruce Collection*



South Vietnam, January 1971. The spoils of war are piled up around this US Army radioman; a VC/NVA weapons cache uncovered during an airmobile assault. The weapon in oilcloth wraps is identified as a Chicom Type 56, a copy of the Soviet 7.62mm belt-fed RPD. Copyright © 1992 Robert Bruce Photography Credit: US Army Military History Institute

*Editor's Note: Prints of this and many other historical auto weapons action and technical photos are available for publication by special arrangement with ROBERT BRUCE PHOTOGRAPHY, PO Box 482M, Sandston, VA 23150. Publishers send SASE and information on intended use. (Robert also buys foreign-language manuals, sales brochures, etc. for auto weapons from 1900 to 1970)*

Satisfaction Guaranteed

Please Include Shipping With Order!

Returns To Be Made  
Within 10 Days.

Complete 1918A2 Bar Parts Set,  
V.G. Cond. .... \$185.00

Erma EMP Complete Bolts  
\$175.00

Complete Sten Parts Set  
British MKII with loop stock.  
\$95.00

Original MP40  
Extractors  
\$40.00

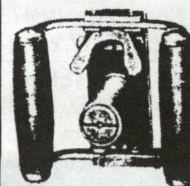


Repair Kit  
New safety handle, (push-pull),  
spring, ball & locking pin. \$35.00

MAG. LOADERS  
WWII \$65.00  
Post War \$40.00

Special  
Sale!

MP-40  
Magazines  
3 /\$100.00



1919A4 Registered  
Transferable, Right Side  
Plate  
..... \$850.00  
Browning 1917A1-  
1919A4 spade grip  
assy. New made  
..... \$350.00

Complete Parts Set. Grade A ..... \$350.00  
Complete Parts Set. Grade B ..... \$250.00  
Good Serviceable Magazines ..... \$ 40.00  
Collector Grade MP-40 Mags ..... \$ 60.00

Original M2 50 Cal. HB M.G. NEW  
MANUFACTURED. All excellent GI Parts.  
Complete w/Tripod, Pintle, T&E. Test Fired  
and Guaranteed to Run.....\$5,000.00

## Magazines

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1918A2 BAR New in Wrap ..... \$ 5  
Thompson 45 cal New in Wrap ..... \$ 6  
Sterling 9mm 45 rd Mag ..... \$ 55  
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carrying can ..... \$ 50  
FND BAR 30-06 ..... \$ 10  
L2A1 30 rd. Unissued Cond ..... \$ 75  
MP41 32 rd Mint Cond ..... \$ 55  
MP38/40 Flat Side Mag ..... \$ 55  
Swedish K/Port Siad 30 rd ..... \$ 35  
Bren 8mm 20 rd Mag ..... \$ 45  
MP44 Good Serviceable Mag ..... \$ 75  
MP28 20 rd ..... \$ 35  
PPS43 Mags ..... \$25 each or 5 for \$100  
PPSH41 Mags ..... \$ 35

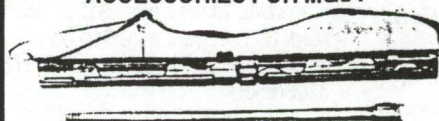
## Accessories

MG08 Blank firing adaptor ..... \$250  
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Vickers Headspace Disassembly Tool ..... \$ 85  
Vickers Canvas Water Jacket Cover ..... \$ 50  
Vickers Brass Tab Reloadable Belts ..... \$ 85  
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Carrying Handles WWII Mint ..... \$ 35  
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UK Mfg. .... \$350  
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Post War Mfg ..... \$225

## Quality Machine Gun Complete Parts Sets

M2 50 Cal. HB Less Right Side Plate ..... \$1750  
ANM2 30 cal. Browning Orig. Comp ..... \$ 950  
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MAT 49 ..... \$ 250  
MAS 38 ..... \$ 350  
Model 24/29 Chatellerault ..... \$ 375  
Italian WWII Breda Model 30 6.5 ..... \$ 550  
Beretta Model 38/44 ..... \$ 135  
Swedish K Port Siad ..... \$ 250  
M3A1 ..... \$ 175  
MAG 58 ..... \$4500  
Bren MKII .303 ..... \$ 385  
MP44 ..... \$ 550  
Lanchester ..... \$ 225  
PPS43 ..... \$ 150  
Vickers 1914 .303 with/Tripod ..... \$ 985  
Colt R75 ..... \$ 350  
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Madsen Model 46 30-06 ..... \$ 225  
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Famae Model PAF S. American Sterling ..... \$ 225

## ACCESSORIES FOR MG34



ORIG MG 34 Barrel &  
Carrier with sling V.G.+  
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MG34-42 Twin 50 rd.  
Assault Drums in  
Orig. Carrying  
frame

## Classified Advertising

**Machine guns:** Belt linkers \$125 each, 308 - 223 - 30-06 - 8m/m - 7m/m 303. We can match your needs, custom linkers- call M-60 1919-1917 postage please. Hahn Machine Co. 3101 Sussex, St. Charles, MO 63301 (314)946-9567 (xoct).

**Need an M2HB 50 Cal or Aircraft or Thompson replica** for your vehicle or plane? Higher quality and lower price than the competition. Also have Jeep pedestal mounts @ \$235 incl. shipping. John's Replicas, 817 E. Birch Ave, Whitefish Bay, WI 53217 (414) 964-6978. (xdec92)

**Wanted: "Bring Back"** items from Desert Shield - Desert Storm - Viet Nam, Viet Cong, NVA, PRC Chinese & Soviet areas. Weapons, knives, badges and field gear...need Soviet and Block Makarov pistols.. Best cash paid.. RJP, P.O. Box 151, Park Ridge, Illinois 60068 Toll Free—1-800-345-0930 Welcome home!!!(xsep)

**Stoner 63A** parts, accessories, literature, information, memorabilia needed. Jerry 217/826-2919 (xmy93)

**Delft Optics** Mfg. rifle scopes wanted. Scopes have no adjustment turrets, windage and elevation, adjustments are with knurled rings front and rear, concentric with tube, reticle is inverted post type, left side of tube is marked with artillerie Inrichtingen logo bracketed by 3 x 25, 5 and Nr XXX, top dollar paid. Jay Tee's RFD 4, Box 353, Marshall, IL 62441. 217-826-2919 (xjan93)

**Tripods** 30 caliber M2 WWII dated excellent shape 1-10 \$250. each 10-50 \$225. each 50-100 \$210 each. Pintals & T+ES extra. Military Surplus, 3190 South State Rd 7 Miramar, FL 33023. 305-981-1974 (xapril 93)

**Wanted-Breda** M.G. parts all accessories, barrels bolts, springs all components, receivers, trans or pre 86 d/s models 1930, 1931, 1937, 1938 also Breda Safat 7.7 Aircraft 12.7 Aircraft including tripods, A.A. tripods, Aircraft ring mounts & disintegrating links. Call evenings after 5pm Hermann (718) 278-3708 NY (xoct)

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**40/37 MM Distress Flares**, Military High Volume, 1 minute white smoke. Case lots prepaid 100 \$375. 48 states. Mfg. By A.O.C. Dist. Mfg. & Eng. 2010 South Brotherton St. Muncie, IN 47302 Phone-FAX 24 Hours 317-289-0765. (xdec)

**Machine Gun Belt Linkers** 1919, M60, MG42, HK and others. \$125.00 small unit, \$190.00 large. Freight please. Hahn Machine, 3101 Sussex, St. Charles, MO 63301 314-946-9567(xsept)

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**Massachusetts MachineGunners**, Class III stocking dealer, buying, selling, transfers. Machine guns, unusual weapons, parts & accessories. Good prices & service. Please call, Wayne Pleasant 413-863-2796 (xoct)

**When responding to ads.....  
Tell them you saw it in  
Machine Gun News!**

**MGN magazines** wanted, newspaper format. Will pay top price for MGN back issues from 1987 Vol.#1 April thru #7, 1988 Vol.1#10 Jan, #12 Mar, Vol.2 #4 July, #8 Nov. 1989 Vol.2 #10 Jan thru #12 Mar., Datal Industries, 1646 Nineteenth ST., Santa Monica, CA 90404-3887. (310) 829-4421 (xSept)

**Now you can own** the beautiful color poster "Tracer Fire" Send \$6.95 ea. or 2 for 12.00 + \$2.50 p & h to Machine Gun News Poster, P.O. Box 761, Hot Springs, AR 71902. Or call 501-623-4951.

**2 AR-180's (Howa)** both with ArmaLite scopes and many accessories one with bol. Will sell or use as trade for semi-auto belt fed machine gun or Barrnett .50 cal. Walt 1(518)279-4097.(xsep)

**Rare find:** MP44 pouches \$750.ex. black leather MP40 pouches \$900. VGT MG/34 action cover mint \$200. Breda Mod. 30 leather box magazine pouch \$85. mint, Beretta WW2 magazine loader mint \$135. Breda Mod. 30 chargers mint \$10.00 evenings after 5pm Hermann 718-278-3708(xoct)

**Massachusetts Class III Dealer.** Class II MFG. Stocking large inventory of machine guns. Open 7 days a week. Good stock of M2 50 cal parts as well as M60 parts. We do not sell junk! United Arms Corp. (508) 393-3328(xaug93)

### CLASSIFIED AD RATES

Classified advertising rates are \$5. for the first 40 words plus 25 cents for each additional word. Minimum charge is \$5. Subscribers are entitled to one free ad (up to 40 words) per year with a paid subscription. Anything separated by a space is counted as one word. Please type or print clearly. Classifieds must be mailed or faxed. Closing date is the 12th of the month for the following month's issue. I.E. Closing date of September 12th is for all ads sent in from August 13th up to the closing of September 12th. With a closing of September 12th your ad will appear in the November issue which you receive in October. If you are placing a subscriber free ad we will need your name and address as it appears on your subscription.

**Mail to:**  
**MGN, Classifieds**  
**PO Box 759**  
**Hot Springs, AR 71902**

### NEW CLOSING DATE!

Closing Date - 12th of the month for the following month's issue.

**FAX 501 623-9832**  
**Please type or print clearly**

**Colorado, Law Enforcement and Residents**, Dealer will handle your Class III needs and process transfers for qualified residents. John: days(digital pager) 303-230-7614. eves 303-674-1760. (xfeb93)

**C&R Licensees** Class III transferable machine guns, all NFA rules apply: Beretta 38A - 3rd Model excellent \$2150. Beretta 38/42 very good \$1350. Italian WWII canvas paratrooper carry bags mint for 38A-38/42 - \$195. Breda Model 1930 LMG excellent plus \$2000. RPB MAC 10 9mm \$700. Sten MKII Wilson receiver \$700. Call after 5 pm Ronald 203-386-1192 conn. Hermann 718-278-3708 NY (xoct)

**MG-34/42 Basket Magazines.** Choice of desert tan or field grey colors. \$55.00, 2 for \$100.00. Match your magazine markings to your gun for \$90.00. Have STG-43, STG-44, MP-43, MP-44, and MKB-42. Our choice of markings \$70.00. Scherer, Box 250, Ewing, VA 24248 (xSept)

**MAC Style Lower Receivers.** M-11, 380, M-11 with 9mm mag well, M-11, and M-10. Die stamped! Tig welded! Ready for completion. Classed as title I receivers. No tax stamp required. Only regular FFL. Can be sold to anyone over 18. These receivers are legal in California! Order now at \$79.95 each. Order 3 at \$69.95 each. MC/Visa, COD. Call SAS at 316-272-0700.(xoct)

**New, absolutely perfect Reising** M50 in box w/cleaning rod has a beautiful walnut stock \$795.00. S&W 76 excellent \$995.00. MAC 11 .45 \$995.00. MAC 10 .45 \$475.00. Manufactures delight! New MK760 registered receiver \$350.00 All NFA rules apply. Bill after 8pm 513-544-3525.(x)

**Cincinnati Ohio Class 3 Dealer** buying, selling, transfers. Have several like new police trades, Ruger AC556 at \$800 each and Beretta SC70 folding stock Pre86 DS unfired at \$3000.-Call evenings Ed Wolfer 513-272-0019(xoct)

**Georgia Residents**, I can handle your Class 3 needs. AMS Attn: Hal 4665 Lower Roswell Road Suite 133 Marietta, GA 30068(xjan)

**Colt ArmaLite Model 01** 4 digit serial number, excellent and original in every detail. \$3750. Arms Merchant, Inc. 48 Washington St. Natick, MA 01760 tel 508-653-9255(xsept)

**Stan's Gunsmithing** - Class 2 manufacturer - all types of machine gun and class 3 repair and fine gunsmithing. Over 28 years experience on high quality firearms, 12 years of machine guns. Hot blueing, all types of finishes, parts made complete machine shop. Call and see if I can help with your problems. Transfer to N.H. Residents. Stan Andrews (603) 746-4387.(xMay93)

## Classified Advertising

**Exotic Ammo.** Looking for 40mm ammo in flash band, illuminator parachute except white, cluster rounds all colors, ammo wanted is 30.06, .308, 5.56, 8mm etc. Please send pictures and photo to Brian R. Busch, Sr. 328 E. 1200 N., Chesterton, IN 46304. (xfeb93)

**Thompson SMG's:** Call for info. or send business size SASE for current list; F.D.S., PO Box 292156, Lewisville, TX 75029-2156. 214-539-8096. All NFA/BATF rules apply. (xsept93)

**TSMG 1921AC 90% 64XX.** TSMG 1921AC 80% 16XX with early markings. \$4250 each. All NFA rules apply. Call Bob evenings at (203) 661-1425. (xoct)

**Machine Gun Belt Linkers.** 1919, M-60, RPD, MG42 and others \$125.00 small and large units available. Call for quote. Hahn Machine, 3101 Sussex, St. Charles, MO 63301. 314-946-9567 (xjuly93)

**Attention Class III Dealers:** Landies 1917 30-06, 308 \$4500 - Colt M-16 A-2 HBAR mint \$4000 - MAC/RPB M-11 380 cal w suppressor exc \$850 - IMI UZI pre 86 D.S. mint \$2000 - AWC 308 suppressor \$1000 - Wilson Arms Gun \$800 - AWC optima \$600 - MAC/RPB 9mm w/suppressor \$800 contact Edmund or Paul 215-698-8741 (xjune93)

**Deal Of The Century 1919A4 Browning.** .308 by DLO test fired only. New tripod Pintle T&E from Sarco 1918 belt filling machine 30-06 barrel and 10 cloth belts runs great \$2300. All NFA rules apply. Ray's Gun Sales 615-263-5622. (x)

**MP-43 \$3000.00,** Pre-86 MG-34 \$3000.00, Group Ind. UZI \$1300.00, MP-40 \$2400.00, American 180 with two BBLS. \$1650.00. Also will handle transfers for Louisiana residents please call 318-786-3302. David Hammock Class 3 Dealer. All NFA rules apply. (x)

**Parts Parts** Parts Full auto standard UZI replacement parts srt \$455.00 no receiver. Used V.G. walnut M50 stock \$65.00. Various M50 Reising parts. Winchester Dog Lsg M2 carbine hammer \$35.00 Various MG34 parts. Call Bill after 8pm 513-544-3525 All NFA rules apply. (x)

**Reising Model 50,** 45 cal. 30 round magazines \$45 blue or parkerized \$5 for shipping. Also parts & accessories, send long SASE for more information to KC Enterprizes, 7240 South Ridge Madison, Ohio 44057. (xnov)

**Short Barreled Shotguns!** Remington 870, 12" BBL NIB \$279.95. Ithaca, Stevens, H&R from \$119.95 Why pay \$400-500 plus a \$200 tax for the other guys' gun? All guns available NIB or excellent used at almost half the price! Look... if you pay \$450 elsewhere plus tax you are at \$455 or \$650 depending on AOW or short barreled shotgun. If you pay \$280 or less for a NIB or high quality used gun plus \$5 or \$200 you are at \$285 or \$480 depending! No transfer tax to dealers! Try us first and last! SAS 316-272-0700 (xoct)

**Drilling Fixtures!** M11 .380, M11/9, M-10 to select fire AKS to AK47, AR-15 to M-16, HK 91, 93, 94 to G33 or MP-5. Attach to frame for precise location. Hardened steel for repeated use. Sold to class II MFRs and other qualified individuals. All NFA rules apply. Limited quantities at \$24.95 each + shipping. Visa, MC, COD, or call TRE at 316-272-0343 or mail order to TRE Bx 326 Holcomb Kansas 67851 (xoct)

**AOW! Mossberg** cruisers. 15 1/2" BBL new! \$259.95. \$5 tax guns! No transfer tax to dealers! MC/Visa accepted Call SAS at 316-272-0700 (xoct)

**Free Catalogue!** Home defense and exotic weapons systems. All specifications and complete information! Extensively researched. Proven designs. Mail SASE to Tactial Rescue Equipment, Bx 326 Holcomb, Kansas 67851 or call 316-272-0343 for 24 hr. answer line. (xoct)

**SAS Buys - Sells - Trades!** AOWs, short barreled shotguns, transferable, and Pre mays! Weird and off the wall OK! Large parts inventory especially MAC series stuff! Call Marion or Lori at 316-272-0700 (xoct)

**M2HB .50 cal,** transferable, with tripod, spare barrel and many accessories. \$4000. Trades considered 817-481-8484.

**Notice: If you ordered a T.E.K. 10/22** replacement part set from G.U.N. Technology and have not received it please contact Roy 602-723-7811

**Fully transf.** MP55DA3 exc. (fleming) \$4000. Mini UZI exc (qualified) 5-25 rnd mags \$2500. MK9A UZI suppressor \$500. Both for \$2800. Nomex cover \$20. Ruger shorty 10/22 E scope, Ruger MKII both suppressed by Norrell \$450 each. Marshall's Arms 972 Paddle Creek Rd. Bristol TN 37620. 615-878-7990 lv. messg.

**For Sale:** Browning 1919A4 quality T-shirts, white 50-50 2X-XL-L \$12.00 + \$3.00 S&H m/o bk ck. Joe Kasparian, 42 Rhude St. Quincy, MA 02169 1-617-328-3711 (x)

**For Sale:** M14 rifle stocks with hardware, U.S. Birch Org. \$75.00 each plus S&H Ltd. supply. Joe Kasparian, 42 Rhude St. Quincy, MA 02169 1-617-328-3711 (x)

**Exploding Targets!!!** And I do mean explod. Simple instructions on how to make for pennies with common materials. You will not be disappointed! Send \$10 and SASE to: Loud Targets P.O. Box 181 Meigs, GA 31765. (xdec)

**MP5A2-\$2500;** AK47, 7.62x39mm, full stock-\$2200; AWC warp 3 black finish, Beretta 21a pistol, case-\$450; MP5 collapsible stock-\$150; Wanted: transferable MP5 MG receiver gun (front push pin); call Jeff (602) 742-4506

**Wanted-Machine Guns and Related** Items. One gun or the whole collection....private evaluation and payment in cash!! Live/DEWAT registered machine guns only!! We need your parts also!! All NFA rules apply!!! R.J. Perry & Associates, Inc., P.O. Box 151., Park Ridge, Illinois 60068., 24 hour toll free: 1-800-345-0930 - Trades always welcome—call us now. (xsep)

**Linker M-60,** 1919A4 and other \$125.00. Blank adaptors for most sub guns \$25.00 each. Receiver blanks for MP-40 and Stein guns \$40.00 ea. Sten receivers 80% finished \$80.00 ea. MP-40 receivers 80% \$175.00 MG-42 firing pins, \$6.00 ea. 10 or more \$5.00 ea. .308 conversion slide for the 1918 Browning cloth belt loader \$37.00 Freight please. Hahn Machine 3101 Sussex St. Charles, MO 63301 314-946-9567 (x)

**Machine guns/Suppressors** 1876 Gatling gun, .45-70, stick feed, on wheeled carriage, Thunder Valley full size reproduction, mint, awesome! \$19,500.00 (non-class 3!) Jap 99 LMG, exc, \$1850.00. 1918A2 BAR, exc, \$3450.00 1928 TSMG, AO, exc, \$2450.00. M1A1, TSMG, mint, \$2450.00 M16A1, Colt, mint, \$2450.00. M16A1, hydra-matic, exc, \$2150.00. M16A1, parts gun, exc, \$1750.00. AK47, folding stock, mint, \$2150.00. UZI SMG, conversion, mint, \$1850.00. AWC FBI sniper rifle, Remington 700, 7.62 mm, w/AWC can and Leopold scope, mint, \$1650.00. Reid Knight Beretta 92, 9mm "Hush Puppy", exc, \$950.00

**Conventional Weapons Israeli** FN/FAL HB, mint, \$2250.00. CETME Sport, mint, \$1550.00. Russian Moisin Nagant WWII Sniper M91/30, exc, \$1500.00. Browning T-series Hi-power, tangent sights, stock cut, mint, \$950.00. Steyr SSG sniper w/6x scope, mint, \$1500.00 CZ 75, exc, \$375.00 Wanted FG42/MG42/MP34/MP38A Wayne A. Christian II, 750 E. Mulberry, Suite 501, San Antonio, Texas 78212, (512) 732-8078 (day); (512) 828-4443 (nights) (xoct)

**Beta C-mag** for M16/AR15. Brand new. With new military pouch. New stripper clip loader and new single round loader. Only one. Seal team bring back from Gulf War. \$500.00 Serious calls only. Jeff (404) 531-1170 (x)

**Oregon Residents:** Norrell suppressed 10-22 MG \$1500 SWD M-11 .380 (RPB MAG) suppressed \$800 M1 Thompson AOC \$1650-M16 Auto sear \$600 Trade for UZI-M16 (reg rec.) MAC 10 or ? 503-352-6546 ask for Paul: All NFA rules apply

**For Sale:** Hard Times Armory Mini-14 conversion with folding stock and stainless steel complete for \$1500.00. Also XM-177 by Small Arms Weaponry for \$1000.00. Ruger KAC 556F 90% new for \$1800.00. All gun transferable. Call Harry at 601-892-5393. (xoct)

**1919A4 Browning .308** by DLO test fired only new tripod Pintle T&E from Sarco Browning 1918 belt filling machine and 10 new cloth belts runs great \$2500 might take title 1 guns in trade Ray's Gun Sales Delano TN 615-263-5622.

**Professional Security Systems** willing to trade equipment, installation, & service of burglar, fire, & surveillance systems for class III firearms etc. All reasonable offers considered. Will install anywhere in New England area or Send equipment to other areas. Call 603-425-2596.

**C&R licensees** Class III, transferable machine gun Beretta 38A. 1st model mint including paratrooper carrybag, oiler & screwdriver magazine loader. Six 40rd magazines \$4995. Call after 5pm Ronald at 203-386-1192 CT. Hermann 718-278-3708 NY (xnov)

**Registered receiver** AKS poly-tech 7.62x39 side folder (as galil) as new must sell. Have accessories \$2700.00. All NFA regs apply. Jim 813-353-5274 P.O. Box 10693 Naples, FL 33941 (xoct)

## Classified Advertising

**Want to trade:** Colt model 614 commando with 10" barrel and sound moderator for a Colt M16A1 Carbine, also a S&H arms MP5A2SD reg. sear and pushpin receiver with Fleming suppressor for pre-86 MP5SD D.S. Call Shaun at (804)491-4869

**Aug registered** sear Vollmer conversion \$3000.00 Have accessories. All NFA regs apply. 1-813-353-5274 Jim P.O. Box 10693 Naples FL 33941 (xoct)

**MG-42, Alpha** mount tripod, Yugoslavian gunners kit, three extra bbls. \$5400.00. AWC suppressed 10-22, \$450.00. AWC Ruger MKII suppressed, \$425.00. MAC 11/9, NIB, \$450.00. Sionics suppressor, NIB, \$199.00. Group Industries UZI, NIB, \$1100.00. Wanted Suomi M-31 mags and accessories, Lahti 20mm cannon. Call (512) 822-6602(xoct)

**Wanted:** 22 caliber conversion for UZI. Inpatient waiting on list. Group or similar conversion. Also 22 conversion for AR15/M16 wanted. Daniel Fitzpatrick P.O. Box 18071 Asheville NC 28814 704-255-8003 3pm till 11pm EST.

**Pre Samples:** Madsen M-50 30-06 w/tripod \$1550. Madsen M-50 9mm \$650. 1932 Mauser Schnellfuer (beautifully restored) \$1450. M-16A1 \$1300. MG-34 \$2100. M-37 Bmg 30-06 \$1900. Carl Gustav M-45 9mm \$1150. M3A1 GL \$1300. FN G-1 \$1600. Inland M-2 \$900. Walther MPK \$1350. Transferable ZB-26 Chinese 8mm w/extras \$3100. Reising parkd. \$625. M-60 RIA unfired \$5000. Mendoza M-8 (same gun pictured Nelson's book/prototype) beautiful gun 45ACP \$2750. AVT-40 Russian (full auto only) \$1350. G-3 Fleming R-Rec. \$2100. Madsen M-50 9mm \$1400. UZI Ciener Conv. Rec. \$1400. PPS-43 \$1950. STG-44 exc \$2400. KAC556F STNLS \$1450. S&W 76 \$1350. Vickers 3 guns .303 from \$2850. Ithaca Stakeout 12ga. \$450. Reising integrally suppressed by Ciener \$1000. MAC Stinger NIB \$300. Suppressors - Ciener M-3A1, AR-15/M16, PPKS, High Std., others. Parts - Lewis., Colt Vickers AC, others. Days EST 9am-5pm 904-388-1200.(xnov)

**Machine guns,** all NFA rules apply. Transferable: M2 carbine - Sten MKII

- Sten MKV - UZI 9mm all these by Norrell Arms. Reising Mod .50 nice! Ingram M6 .45 - MK 760 excellent. UZI bolts, 9mm & .45 - Thompson M1 W. Hurley NIB. Browning 1919A4 (DLO new) in 8mm with M2 tripod. Pre 86 DS: Walther MPL - Post 86 DS: UZI by Group (dealer & L.E. only) Call for current price list (501) 888 6335 phone/fax. L.E. Agencies, trade in your old SMG's for new UZI or similar. Buying original Thompson, 1917 Browning, Maxim or Vickers.

**20mm Lahti** Ammo. Clean, in cardboard tubes, 100 per wooden crate, \$25 per, call for quantity, 1939-40 mfg. Dennis 508 947 5898

**Super Rare Find:** MG34/42 baskets w/carrier belt/starter tab mint \$200. MG34/42 armourers tool kit (Mauser) camo box mint.\$650. Thompson cuts compensators ex. \$65. Thompson lyman rear sights ex. \$145. Rare Italian TZ45 parts kit ex. \$495. Beretta 38A/42/43/44 slings mint \$25. Best available MP 40 kits ex. ++ \$325. MP 40 loaders ex ++ \$30. Call after 5pm Hermann 718-278-3708 NY (xnov)

**Wanted: complete** upper receiver for Colt Commando with 11.5 b Colt parts only, factory assembled. Ask for John 1(708)490-3708(x)

**North Carolina** residents-stocking Class 3 dealer will handle your NFA transfers. Large inventory. Contact: WBH PO Box 8234 Camp Lejeune NC 28542-8234. Or phone 919-577-8725 leave message.

**For Sale:** MG-34, pre-may 95%, w/tripod, belts, parts & accessories \$3000. Transferable S&W M-76, w/2 mags \$1300. Will handle transfers for Georgia residents, Greg (404) 445-1102.

**Transferable NIB** full auto: Steyr AUG (qualified) \$3000 G3 registered receiver (Vollmer) \$2300 M14 (Smith) \$1900 Call (802)877-2766 evenings

**Pre may D.S.** MG-34 VG \$1850. Pre may D.S. M3A1 Grease gun, guide lamp v.g. \$950 Frankford arsenal XM177 shorty 10" \$1100. Demilled MG-34 receiver \$450. Tec-9 with registered bolt L.N. \$500. Call Dave 813-581-7505

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We have less than 50 cases on the shelf. No one else has any, and we're still holding our low price to you of: \$135-/1000 (3 cases or more). That's only \$216 per 1600 round case! .223 is Norinco, non-corrosive, boxer primed, brass cases, packed 40 rounds per paper wrap, 800 rounds per can, 2 cans per 1600 round case. \$130-/800, \$235-/1600, \$216-/case (3 or more cases)

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Norinco, non-corrosive, boxer primed, brass cases, packed in 50 round boxes, 2000 rds per wooden case. \$80-/500, \$150-/1000, \$250-/2000 case (3 or more cases).

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Hansen, 150 or 180 gr. soft point, 20 rounds/ box, 500 rounds per case. \$7.75/box, \$7.50 ea 10 box, \$181.25/case of 500- that's \$7.25/box for this quality hunting ammo!!! (Limited Quantities)

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Hansen, 147 gr FMJ, quality non-corrosive, reloadable brass cases, treat those HK-91's and fal's right!! 20 round boxes, \$6.75 ea, \$6.50 ea per 10, \$156.25/500 round case- that's \$6.25/box to feed your rifles well! (limited)

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Hansen, 150 or 180 gr. soft point, 20/ box, 500/case this is top line hunting ammo, fill out your shelf now! \$7.75/ box, \$7.50 ea per 10, \$181.25/case of 500- that comes out to \$7.25/box!! (limited)

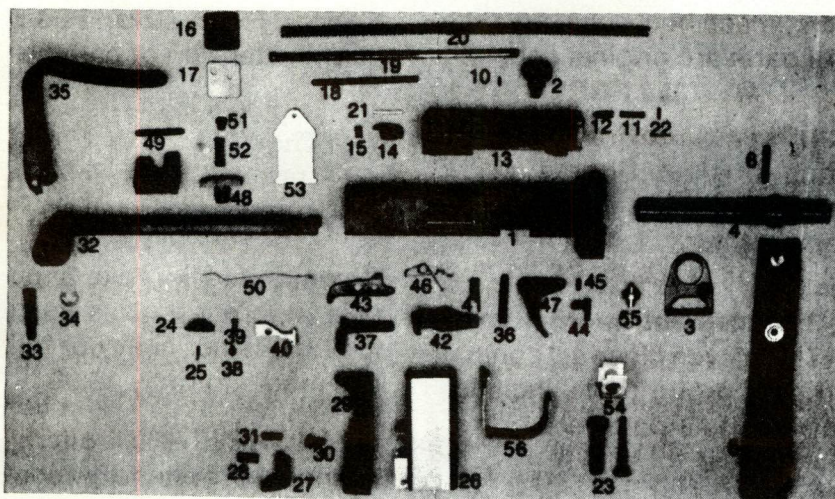
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If you are having a hard time finding the M11/9 SMG replacement part you need, RPB is now offering individual parts. These are original Cobray parts that will give you years of reliable service. Minimum order of small parts is \$25.00. Please state model and caliber when ordering

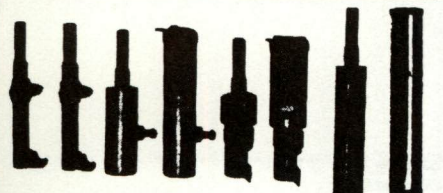


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10. Spring Pin, Recoil Spring Rod .....	1.00	21. Spring Pin, Extractor .....	1.00
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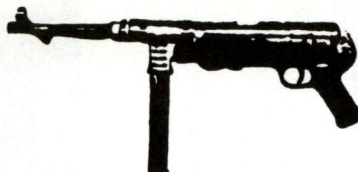


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.22 3/4" High Standard	34.95
.22 3/4" Deluxe High Standard	44.95
.22 Ruger Pistols	34.95
.22 Deluxe Ruger Pistols	44.95
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.22 Fake Suppressor	14.95
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Thread Protectors for any of the above barrels are **only 5.95**

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**MP-40 Barrels** - a very small quantity of barrels in original configuration - **only 125.00**

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A) 10" Threaded UZI Bbl	<b>only 75.00</b>
B) 10" Regular UZI Bbl	<b>only 50.00</b>
C) 10" UZI Bbl w/left handed nut	<b>only 75.00</b>

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# RPB

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## 22 Rimfire Kit for Model 94-MP5 and SP89-MP5K



The 22 Kit  
priced at

Only **\$349.95** Retail.  
Comes complete with two mags.  
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At long last, an affordable way to spend hours enjoying shooting your semi-auto or select fire weapon!!!

We offer two kits:

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Construction is as follows:

The bolt carrier, firing pin, charging tube, and magazine lips are all made of heat treated 4130 steel. The magazine body, recoil spring rod, and barrel liner are made of 4130 steel. The magazine liner is 6061 T6 aluminum extrusion. The magazine is constructed so it is almost indestructible.



This 22 caliber rimfire conversion kit will **NOT** convert a semi-auto firearm to a machine gun!!!  
All NFA rules apply.

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