

In this issue: 1991 Calendar of Events

THE MAGAZINE FOR FULL-AUTO ENTHUSIASTS • Vol. 5 No. 4 • September 1991 • \$3.50 U.S. \$4. Can.

Machine Gun News

The Viking SMG



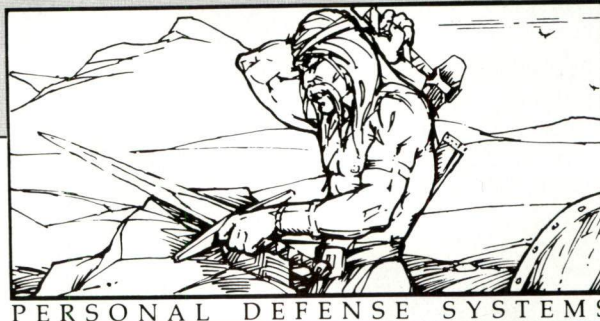
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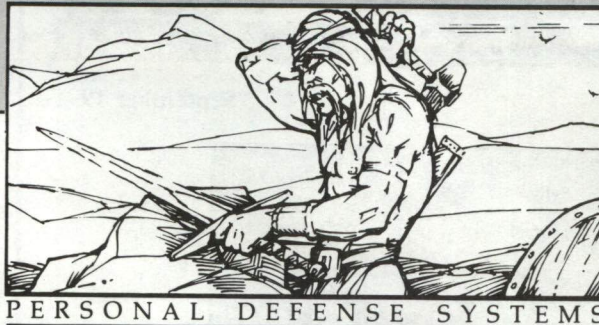


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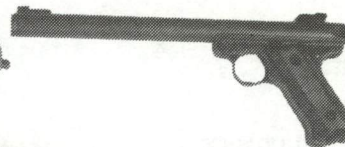


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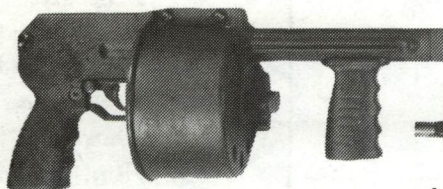
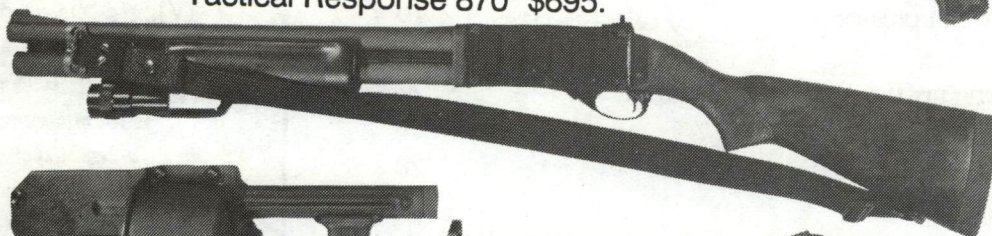
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MACHINE GUN

THE MAGAZINE FOR FULL-AUTO ENTHUSIASTS

N E W S

Volume 5 Number 4

September 1991



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On the cover: Modification significantly improves appearance of Atchisson magazine, seen here installed in CAR-15. (In lower left corner is old MAC semi-auto conversion with "dressed up" 16-round mag.)
Photo: Ken Carter

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Publisher/Editor

Vida Ford

Technical Editor

Dan Shea

What's New Editor

Chris A. Choat

Contributing Writers

Robert Bruce

Ken Carter

Chris A. Choat

James Klodzinski

Al Paulson

Dan Shea

Contributing Artists

Mark Wallace

Cover Photo

Ken Carter

Production Manager

John Ford

Circulation Manager

Maria Myers

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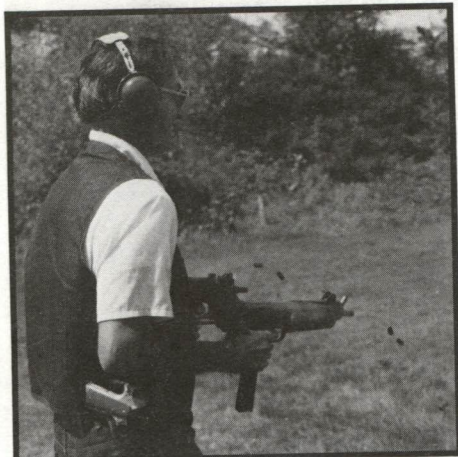
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VIKING SMG

In 1981, Lt. James Ballou was asked to field test a newly prototyped submachine gun called the Viking, under development by International Arms Inc. As you'll see, Ballou was very impressed with the gun's capabilities. He agreed to help promote the gun and was involved in several demonstrations to potential customers, including one for an official of the Mexican government. Shortly after the last of those demos, IAI quickly and mysteriously sold out (for a reported \$8 million) to the REMA Corporation. REMA shut down the Viking project, storing 600 guns in a Connecticut warehouse, though they continued to market other IAI products, mainly overseas.

Many questions concerning the Viking remain unanswered. For example, why did REMA shut down production of a weapon that was so good the Special Forces took delivery of 14 units before the final prototype was even completed? Why has the transfer of the \$8 million never been recorded? Who would spend \$8 million to suspend production of such an advanced gun, anyway? Today, years after writing these notes, Ballou says he stands by his opinion: the Viking is the finest 3rd generation submachine gun ever produced.



Author demonstratating controllability of the Viking.

INITIAL CONTACT

I met Mr. Frank Csongor and the Viking on 10 August 1981. At this time the weapon was still in "the white" and lacked a trigger guard. My initial impression was most favorable having had a chance to fire 144 rounds through the weapon. Also fired for comparison was a Walther MPL and my own Ingram MAC-10 in .45 ACP. Not only was the weapon reliable it was remarkably accurate.

The weapon also fired with a MAC type suppressor. The Viking functioned flawlessly with subsonic and standard 9mm cartridges. The click of the bolt could be heard during firing with the subsonic

rounds. Over the next three days, I fired for accuracy and to establish cyclic rate which was determined to be close to 800 RPM.

A variety of 9mm Parabellum was used with the following results.

The best performance was with 9mm NORMA FMJ. The worst results seemed to be with 115 gr. FMJ by PMC of Korean Manufacturer. We had a few stoppages attributed to this ammo and a definite reduction in rate of fire. Surprisingly all the WWII manufactured ammo functioned extremely well considering its age. Both the Czech and Italian BPB ammo spewed through the weapon with a sharp increase in cyclic rate; and though it was corrosive, it did not hurt the weapon and could be relied upon for positive ignition.

Remington and Winchester ammo functioned well through the weapon but the Winchester ball powder seemed to foul the weapon after 600 rounds plus, producing some sluggishness and a few misfires.

As mentioned before, the subsonic rounds functioned without a hitch with the suppressor in place.

25 AUGUST 1981

Completed 1,166 rounds through the Viking. This was after the prototype was complete with finishing touches. Although a little tight in the beginning, by afternoon it had smoothed out nicely.

This was the first time that I really noticed how smooth and steady the weapon was when firing a complete continuous magazine. It was possible to control and watch a continuous burst impact on a silhouette at 25 meters and keep all hits on target.

26 AUGUST 1981

Viking has now completed 2,600 rounds with no loss of accuracy or reliability.

An interesting impact pattern began to manifest itself. When firing in a short burst of 25 meters, I noticed an interesting phenomena. Fired from the shoulder in 2-3 shot bursts the Viking produced tight six inch groups at the point of aim and a larger more spread out pattern six inches above and to the right. This, of course, was the second round of the burst. The weapon patterned on the crown of the muzzle indicating a good gas seal around the projectile.

It was at this time that I tried firing the Viking in one hand and a 9mm Ingram in



The Viking fires at the rate of 700-800 rounds per minute.

the other, simultaneously emptying each weapon into a target at 15 meters. At first there was a tendency to walk backwards, but they both settled down with amazing controllability.

28 AUGUST 1981

First used electronic sight in Viking. At this point the Viking has consumed over 4,000 rounds. No parts have been broken or been replaced. It was on this day that I was to use the Viking more like a Sniper weapon and was placing shots within 2" squares at 50 meters! To demonstrate its versatility, I let three people unfamiliar with automatic weapons fire the Viking with excellent results.

31 AUGUST 1981

This was the first formal demonstration and another 1,000 rounds were fired bringing to a total of 5,000 rounds though the prototype.

30 SEPTEMBER 1981

Additional firing in cold weather and under adverse conditions. Weapon fired in cold weather and after sand and mud immersion. Perfect functioning as usual.

In summation, what then distinguishes the Viking from a plethora of submachine guns? Well, to put it succinctly, it was the way it handles. It is one of the most stable, accurate, and reliable weapons I ever fired. Even in the white, it was capable of putting its 36 rounds in a six inch circle at 25 meters in FFM (Full Fast Magazine). At 50 meters it was not difficult to keep single shots in a two inch square. To fire a

full magazine continuously was an interesting experience. Though tactically useless, it did illustrate the smoothness of its operation. The weapon spewed out its 36 rounds in a golden arc of brass, a picture of regularity. The remarkable part about it was that this could be done with a great degree of accuracy; in fact when looking through the sights you could actually see the weapon settle down after the first few rounds and could even compensate or change its point of impact. Try that with a MAC 10 and you probably couldn't even see the target for the vibration. In rapid fire tests with the Ingram, the Viking produced a smooth steady sound like the pistons of a finely tuned Cadillac unlike its scruffy cousin that coughed like an old WWII Jeep.

It is more compact than the UZI but still offers more versatility than the Ingram which was a specially designed highly esoteric weapon.

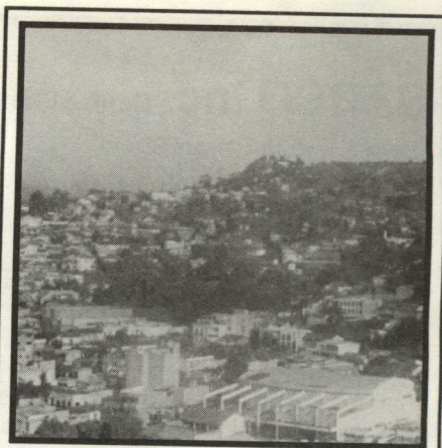
After the weapon had come back with its final touches, it sported an unusual green color that matched with the gray foregrip and gave it a professional look that was equaled by its performance.

From Sweden came a highly efficient magazine loader that impressed all who saw it. Imagine loading a 36 round magazine in under three seconds! It will be included as part of the Viking Weapons System. It includes a special clip that forms a "cake" of 36 rounds. This combined with a plunger device allows one to load the magazine in six swift strokes.

(continues on page 8)



The Viking fitted with Aimpoint sight and suppressor. Accessories from left to right 220mm barrel, rapid loader, grenade launcher, flush 20 round magazine, optical magnifier.



Vikings In Honduras

By Jim Ballou

Downtown Tegucigalpa - our armored van slows to a crawl. The dilapidated Chevy two cars ahead stalls, and immediately the five of us in the armored van go to condition red. Husto, Armando's bodyguard cocks his aging Uzi and I cock my Viking, prepared to draw first blood. How did I get here in the land of afternoon power failures and sporadic machine gun fire?

I was employed by Viking as a demonstration test shooter for Mr. Csongor. My assignment to demonstrate the Viking in Honduras, began in Houston, Texas where I met army colonel, Gene Piazza. I had all of my licenses and a State Department form DSP-73 which listed two Viking SMG's, one suppressor and my trusty Electroless Nickel Colt 1911 A1 .45 Automatic. Every item, including holster and round, had to be accounted for on the Form DSP-73 in order to take them out of the country. (DSP-73 is a temporary Export Form.)

For two weeks we stayed in a cheap motel awaiting the arrival of General Alvarez's private plane to take us to Honduras. Waiting along with Colonel Piazza was Armondo Alvarez, brother to General Gustavo Alvarez, and Leslie Boyd, a Honduran businessman.

We finally departed on a commercial airline. My vision of Banana Republics were not disappointed. Our first stop was a small airport in Belize. The token C-47's were much in evidence.

It was not until after dark, with the obligatory torrential (continues on page 10)

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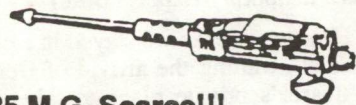
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Component Parts

Viking SMG continued from Page 7
One of the salient points about the Viking
is its "built in" safety system. The grip
safety effectively locks the bolt in either
the closed or open position; thereby
eliminating the danger of accidental dis-
charge from dropping a blowback

submachine gun. A fault that proved so
deadly in WWII. In fact during a guard
scenario I carried the weapon, manual
safety off, with a loaded 20 round mag in
place and the weapon bolt forward. Then
was able to react, cock, engage three pop
up targets, reload and engage three m

TECHNICAL DATA

Designation	Viking
Origin	IAI, U.S.A.
Caliber	9mm para.
Operation principle	Blowback
Type of fire	Selective or Semi Automatic
Cyclic rate of fire	700-800 RPM (Auto Mode)
Magazine	36 rounds
Safety systems	Manual and grip safety
Sights	Front: "Post type"
	Rear: "L" flip type, 100 M & 200 M
Stock	Retractable wire
Weight of weapon (unloaded)	2.96 Kg.
Weight of magazine (loaded) (36)	650g.
L.O.A. (retracted stock)	370mm (220mm barrel)
L.O.A. (extended stock)	580mm
Height with 36 rd. magazine	254mm
Barrel length	220mm
Number of lands and grooves	6
Approximate muzzle velocity	360m / sec
Bullet weight	7.49g
Muzzle energy	50 KGM

targets in under seven seconds, in complete safety to all but the targets. A special magazine had been fabricated for the weapon which held 20 rounds but was still flush with the butt of the Viking. A heavy plate and smooth interior allowed the magazine to drop free ala 1911 and a fresh 36 round magazine could then be inserted. The short magazine could then be inserted. The short magazine could be a real plus in the weapons use by a bodyguard allowing easy concealment of the deadly submachine gun.

We fitted a rugged electronic sight to the "Green Machine". It took less than an afternoon to orient myself and demonstrate the remarkable accuracy of this system. imagine hitting two inch squares at 50 meters with a submachine gun? Where it really proved its usefulness was on reaction targets. As a recent graduate of Jeff Cooper's School at Gun-site, I developed a modified "El Presedente" that effectively demonstrated the practicality of the weapon. The course of fire consisted of from three to five bobber targets each numbered. Upon voice command, the shooter fires two short bursts on the numbered target indicated. He then must reload and fire again. Although I did not have chance to confirm it. I'm told that the Aimpoint is particularly effective in poor lighting or in night firing.

I believe there are three factors that come together to produce a superb handling weapon. One, the use of the Carl Gustave magazine, the epitome of the feed mechanism. Second, the relationship of mass to the axis of the bore, accomplished with precision that surpasses any third generation submachine gun. Third, the use of a generous non-slip forearm that guarantees control of the weapon and eliminated any slippage from the non firing hand. The receiver is of thick tubular steel (2mm) that guarantees sturdiness, but internal grooves allow for the accumulation of dirt. The raised portions supply a small surface to contract the bolt thereby minimizing friction.

The weapon effortlessly digested over 4,000 rounds of assorted ammunition in a week of testing and never produced a stoppage that could be attributed to anything other than to the ammunition.

Imagine, this was a prototype and we originally fired it in the white.

To conclude we now have a superbly accurate weapon with a high degree of reliability that is both pleasing to the eye and more important it feels right in the hand. All of these combine to producing a Viking that lives up to its name, a fighting tool of the first degree. Undefeated in battle and a stern protector of the peace. MGN



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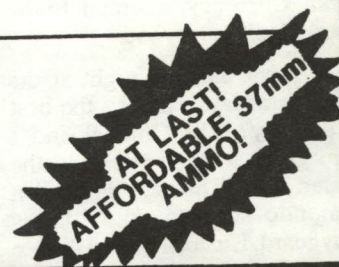
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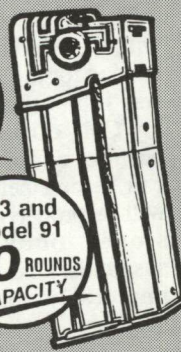
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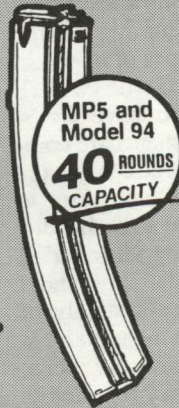
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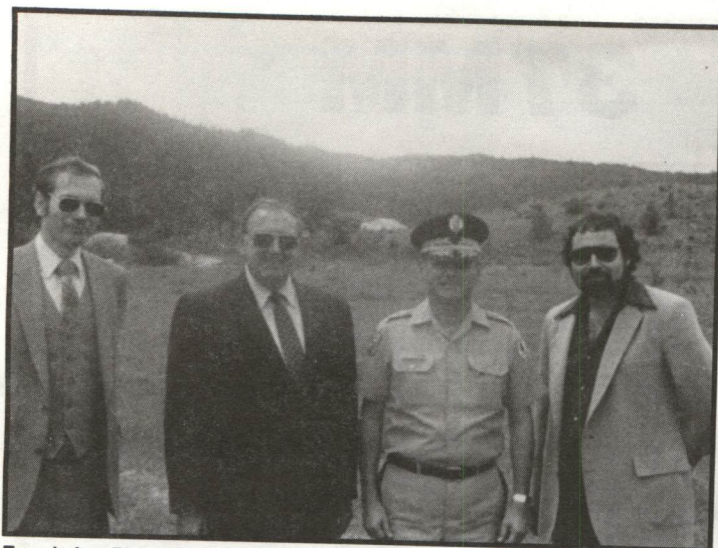
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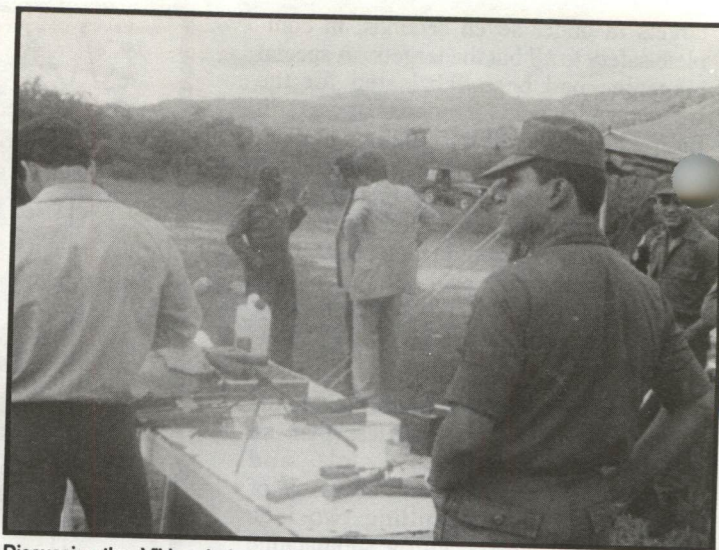
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From Left to Right: Jim Ballou, General Alvarez, Col. Piazza, Armondo Alvarez.



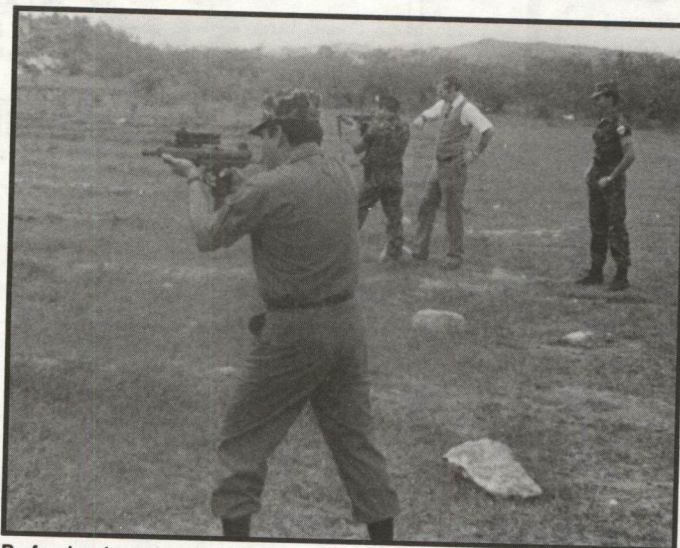
Discussing the Viking during a break in the demonstration.

downpour, that we landed at Tegucigalpa. The scene was straight out of a Humphrey Bogart movie; C-47's, soldiers with M-2 Carbines all to welcome us gringos. I expected problems with customs but a lieutenant put a taped sign on our luggage, FAH, for Army of Honduras. I watched as wads of LEmpiras, the Honduran Currency, seemed to be distributed to everyone.

We spent the first night at the Honduran Mayan hotel - the best in the city? The Colonel and I were given a small room on the ground floor. The next day, when Armondo showed up with his bodyguard, Husto, a heated debate took place and we found ourselves in more comfortable accommodations. Husto looked to be about sixteen but I was told he had been a member of their elite Panthers. We spent that evening making the rounds of the night clubs.

Back to the gun business. We put on two demonstrations; the first being a test run in a special forces training camp high in the mountains. You find two types of troops in Honduras; the regulars armed with F.A.L.'s and the special forces who have Uzi's, Mac-10's and M-16's. Shortages are common even in the special forces. After the demo one of the bodyguards invited me to shoot his M-16 carbine. I did a one handed full mag trick. After shooting 90 rounds I saw tears in the bodyguard's eyes and I suspect I had used up a years supply of ammo for him. They also let me use an old UZI with the crudest can I have ever seen. It looked like an oil filter. They reported to me that they had a 65% failure rate on their UZI's.

The day of the second demonstration November 16, 1983, dawned clear and sunny. We were driven to the range in an



Professionals testing the Viking.

armored convoy. As we passed the U.S. Embassy we saw many muscular civilians carrying walkie talkies and there was a heavy guard around it. The explanation - Operation Bright Star had just gotten underway.

The camp we went to was a professional with well laid out ranges, real security. We headed for the armory to draw our ammo. I was fully armed with loaded Vikings and my Colt, carried Mexican style. Tents had been set up for spectators and by this time I'm getting nervous. The General arrived with a properly armed entourage, professional bodyguards that eyed us suspiciously. General Gustavo Alvarez was impeccably attired, and in good physical shape.

The demo went well, thank God! I put the Viking through its paces, with suppressor, shot holes in armored plate and launched grenades. I shot better with the iron sight, than with the electronic sight as Mr. Scongor insisted we call the early aimpoint. As usual for the aimpoint batteries went dead

and the dot was difficult to pick up in strong sunlight. The rapid loader was well received. The grenade launcher I still feel is not suited for an SMG as you need 100 yd. range to escape blast effect. It is more suited for chemical or pyrotechnics than anything else. As my finale, and favorite stunt, I fired two Vikings, one in each hand. My ideas of Valhalla.

We then let the dignitaries take their turn. All proved to be proficient shots and much impressed with the Viking. I noted one stocky man in coveralls. He stood aside and watched carefully. I sized him up as an armorer right away. I spoke with him at length and he said the gun was too nice. "Not an army gun", he said. I felt this was the man I had to sell, not

the braid. Of course we presented the General with one of the two Vikings we had. I also noticed that all of the sample ABC armor piercing 9mm had disappeared!

One full colonel in the group was Israeli military. The Uzi, all the ammo, and the suppressors were IML. I am still convinced the demise of the Viking had something to do with the superiority of the Viking over the Uzi.

Back to downtown Tegucigalpa, both Husto and I bailed out - he on the right me on the left. I covered the rear quadrant, he the front. Not being able to identify a hostile target and hearing no fire to the front I maintained position until traffic moved again. Did anyone think our actions unusual? Not in the slightest. In fact, I had several job offers before I left.

Later on, while I was in Key West, Florida, I read that General Alvarez was killed in just such an ambush. Were we paranoid or just prepared?

MGN

Machine Gun News - September 1991

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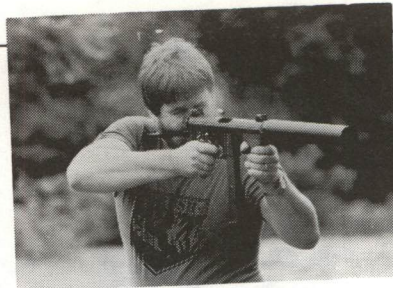
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Raffica

By Dan Shea



Raffica has been sitting on this month's first question for a while because of the sheer volume of questions, some are pertinent to *The Forms*, others to *Raffica*. I'd like to present it in one place, and try and answer it here.

Q I'm a new subscriber and really like MGN, especially your columns. Would you guys be interested in a piece on my PPSH 41?

I am about to Form 1 an M-79, and possibly an M203, as you mentioned in the Vol. 4 No. 9 issue. I've gotten a buttstock for \$15 and a barrel with forestock for \$80. Do you have any sources for internals and/or cut receivers other than Rock Island, Numrich Arms or Sarco?

What is the BATF procedure on 40mm H.E. rounds or for that matter, regular hand grenades and expendable explosive ammunition for destructive devices such as M-79's and recoilless rifles? I have heard that H.E. ammo required a \$200 stamp and others say it is a \$5 stamp. Any sources for H.E.? Who is the contractor for it, and will they sell a case? Any ballpark idea on H.E. prices? If a Class III dealer buys a case and shoots some does he have to pay tax? Finally (on 40mm) where is the line drawn between "Form 1-ing" a blooper, or three, for yourself and a few pals and needing a manufacturers licence?

I bought a registered Sten MKII tube and an MkII parts set several years back. With other toys at hand, I've never assembled it. Is it legal or even possible to use the MkII tube with Mk5 parts or a Lanchester kit?

Whoops! Another 40 mm question. You see fired shells for sale with mention of reloading them in the ads. Legal? Possible? A source for "how to" supplies and literature?

Flamethrowers Legal? \$200 tax? any info would help. What is the controlled component if any?

I would like to add an RPG-7 to my collection. The Chinese sell them out of their Beijing factory. What is involved in importing one myself? From my Army days I know they make a sub-caliber device that fires an AK tracer round. Any knowledge on importing RPG's and PG-7 rockets by an individual such as myself?

Can it be done? Any other sources on such things?

A friend has a LAW with subcaliber insert. Are the subcaliber rockets legal to possess? Can they be ordered from the manufacturer or any other source?

Yes, I know I've unleashed a barrage of questions at you. That is what I love about MGN! You guys answer these things. All my questions are sincere please answer in the enclosed envelope. There is considerable conflicting lore/myth out there on paperwork. Even the BATF can't seem to give me a straight answer.

If BATF sends me approved paperwork or answers a specific question and does so in error does the original, albeit mistaken, paperwork or "letter ruling stand"?

Thanks,
Dutch

A Geez, Dutch, you got a lot of questions! I'll try and see if I can answer them all in order.

1. MGN is always looking for new writers and articles about class 3 items and experiences. The best procedure to follow is to contact the publisher/editor of MGN, Vida Ford. She will review what you submit, and go from there. The address is: Machine Gun News, 201-C Franklin, Hot Springs, AR, 71913.

2. You have a pretty full line up on parts, but let me give you a few more:

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Bill Fleming
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Tulsa, OK 74145
(918-665-3624)

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Jon Ciener
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Titusville, FL 32780
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Winchester, KY 40391
(606-745-1757)

Viper Enterprises
Wayne Gerhardt
PO Box 637
Port Salerno, FL 34992
(407-286-4715)

Try these companies out for M-79 and M-203 parts, and make sure to tell them that you got their number from MGN!

3. Destructive Devices are unique in that everybody gets a piece of regulating them, if they go "Boom". Each piece of explosive ammunition is registered as a DD, with a \$200 tax. The same transfer procedure apply as to machine gun, but only type 9,10, and 11 licensees can transfer on a form 3. Now we have to transport it. Department of Transportation regulates the interstate transport of explosives (you can't U.P.S. a Grenade!), and they are very strict. The Transport vehicle must meet the standards they set, which are basically the same as for dynamite. This usually costs between \$1 and \$1.75 per mile. Then you have to store it in a D.O.T. approved magazine vault. Most of the storage, etc. info you could want are in the pamphlet "ATF Explosives Law and Regulation" (ATF P 5400.7(11/82). The phone number for NFA explosives branch is 202-566-7087.

Some of the big contractors are Martin Marietta, Thiokol, and AAI. None of them will deal with the civilian population under any circumstances, for common sense reasons. They don't want the liability, and the U.S. government, which is their bread and butter, contractually forbids it. Most of the DD dealers stay away from selling the ammunition to individuals for the liability reasons.

If you manufacture and sell right away, you need a manufacturers license. If you make a toy, then some time later decide to sell, it's okay. But BATF is going to use their disgression on what point you start

violating, so talk to them, or get the appropriate license.

4. You can use your Sten tube for other variations than the MkII as long as you have approval from technology branch. You will want to know exactly what you plan to do, so have some diagrams ready. The Mk5 and Lanchester are fairly common changes made to the MkII.

5. There really isn't a developed industry for civilian 40mm reloading. Kent Lomont has a product called Starr Shells, that is reloadable. His Phone number is 219-694-6792. Then, of course, is the unanswered question: Does a person who makes 40mm practice ammunition need a license to "manufacture Ammunition for Destructive Devices"? Since the ammo is not explosive, the answer should be no, but lately some of the BATF offices have been trying to push the issue. I'll keep you posted.

6. Flamethrowers are not a registered item, but using one might get you into local trouble for possessing an "infernal device", or whatever catchall phrase your state may use. Check it out before you own one.

7. RPG-7 launchers cannot be imported for private use. They can be legally destroyed and brought in as a parts kit, or brought in by a destructive device licensee for either R&D purposes or as sales samples. The sub caliber devices that fire the AK round would not be restricted other than any problems the State dept. might have with Combloc weapons. The other problem would be with technology branch telling import branch that the sub cal units are not sporting devices. I think it would be great sport shooting RPG-7 sub cal, but they don't ask me. I also can't remember ever seeing any "sport use only" restriction in the 2nd amendment. Seems to me, that the only thing the men who wrote those great words used their firearms for, was providing food for their families and shooting the people who tried to take their freedom.

Those sound like pretty good sports to me.

8. LAW sub cal rockets are a training device, and are not restricted. The number is M-73, and they have less than 1/4 ounce of high explosive in the warhead, and less than 4 ounces of rocket fuel in the rocket motor. (The detonating head has 1.5 grams of M-80 composition, and the rocket motor has 3 tubular grams of M-7 propellant. The rocket is 35 mm caliber). That means it's not a destructive device, by definition. These bad boys are very dangerous. On the ends, just like the real rocket. The blast is severe, and the M-73 will go clear through a car door. It can penetrate 0.124" of steel plate, and 8" of soft wood. These are not toys. No manufacturer will



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sell these out to the public because of the liability. Please be extremely careful where you shoot these rockets, mistakes can hurt people, and also give the anti gun droolers something else fun to outlaw. A couple of sources for these unrestricted sub cal units are BMG Sales in N.H. 603-228-4298, and Den's Gun Shop in Mass. 508-947-5898. Tell them you read it here. I don't know if they have any M-73's, cause every one shoots them as soon as they get them. I hate to let business interfere with the impartiality of writing this column, but I'll buy these M-73 rockets at the drop of a hat. Then hoot and holler and shoot them all and sit around with post-ammo letdown for hours. It's a tough life, this class 3 business.

9. If BATF makes a mistake, they may let it slide when they find it. But, they will also tell you that the law is the law, and ten years from now you might have that mistake get rescinded. Get whatever you are told in writing, if you can.

Q As a brand new subscriber to MGN I don't know what the policy is for getting questions answered, so I'm enclosing a S.A.S.E. and hoping for the best.

My request is really quite straightforward but is not readily available from standard sources. I need 9 x 19 mm Parabellum loading data, subsonic, that will reliably and silently function a suppressed sub-machinegun.

I can easily get a subsonic round, but is their a combination with enough recoil energy to keep the machine ticking over?

Very, very little full auto fire is done suppressed, but it's very nice to have it on tap when desired. (Oh, it's an Uzi)

Sincerely,
C.E.

A The big problem with experimenting with subsonic loads is whether you have the right equipment to test it. The danger lies in going so slow that the bullet doesn't get out of the barrel. That can be a symptom of an unpowdered case getting a bullet put in it, and the primer is the only driving force behind the bullet. The real problem is that on full auto fire, the next bullets will strike the stuck bullet, either belling, or blowing up the barrel. Very dangerous. If you don't have pressure testing equipment, start with your regular powder load and gradually ease it off until you drop under the sound barrier. Fire only semi-auto, and ensure that each round exited the barrel. You can go with a heavier projectile and do the same thing. Fire several hundred rounds of your final load on semi to insure good test results, and if there are no problems, try full auto. Don't assume that because it cycles your Uzi, it will function correctly in some-

one else's sub gun. If you are serious about this, you should call the reloading component manufacturers that you are familiar with. They should be able to give you some good data.

Q Regarding the question of a 30 round F.N. F.A.L. magazine in Vol. 5 No. 1 June 91, once again you were right on the money.

A 308 Bren Gun mag works well. I have seven or eight of these mags for my F.N.'s I had to modify the locking lug on the front of the magazine from the larger C1 type to the smaller F.N. style, remove a little of the mag stop button (soldered to the back end of the magazine) and do a little fitting on the feed lips. All in all about 20 minutes of work, but they do work fine!

Also regarding your answer on the Colts Sporter and Drop in Sear, it should be pointed out that removing the block assembly from the rifle is not an easy job. The upper pin you mentioned is driven out with no problem. However, the loser pin is a blind side pin, not a thru pin. Care must be used removing this pin. So be careful.

A little known fact is that the engineer at Colt also has increased the Axis pin diameter of both the hammer and the trigger, in the new Sporter so the mag part will not just drop in. As you can see by my post mark I live in the People's Republic of California, so these are just observations but they are fact.

Thank you for your column. It has been very educational in this backward state.

J.C.

A We sure could use a step by step photo series on that mag adaptation method of yours! that's just the sort of thing that all the rooters and grinders who read this column like. And, of course, you are right on about the Colt changes. Too bad they couldn't concentrate on important thing, like whether their current customers will still be able to own their products next week, as opposed to trying to placate the anti-gunners, who won't stop until Colt is out of business. The changes they made to the AR-15 semi didn't stop several anti-gun bills from including the AR-15 on the "banned" list, and they didn't add any special feature to the firearm, so what purpose did these changes serve? I haven't got a clue.

Questions To:

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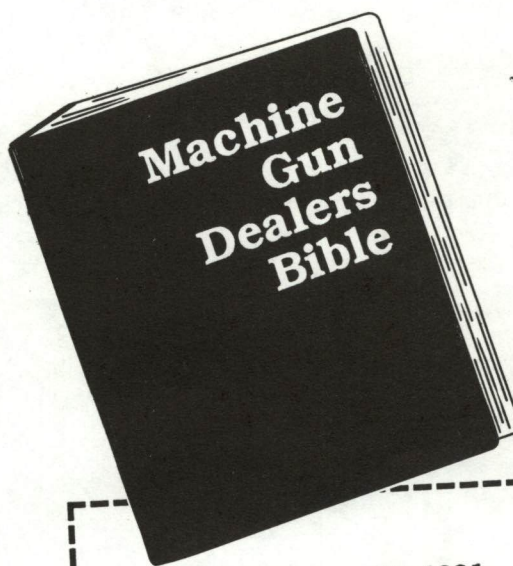
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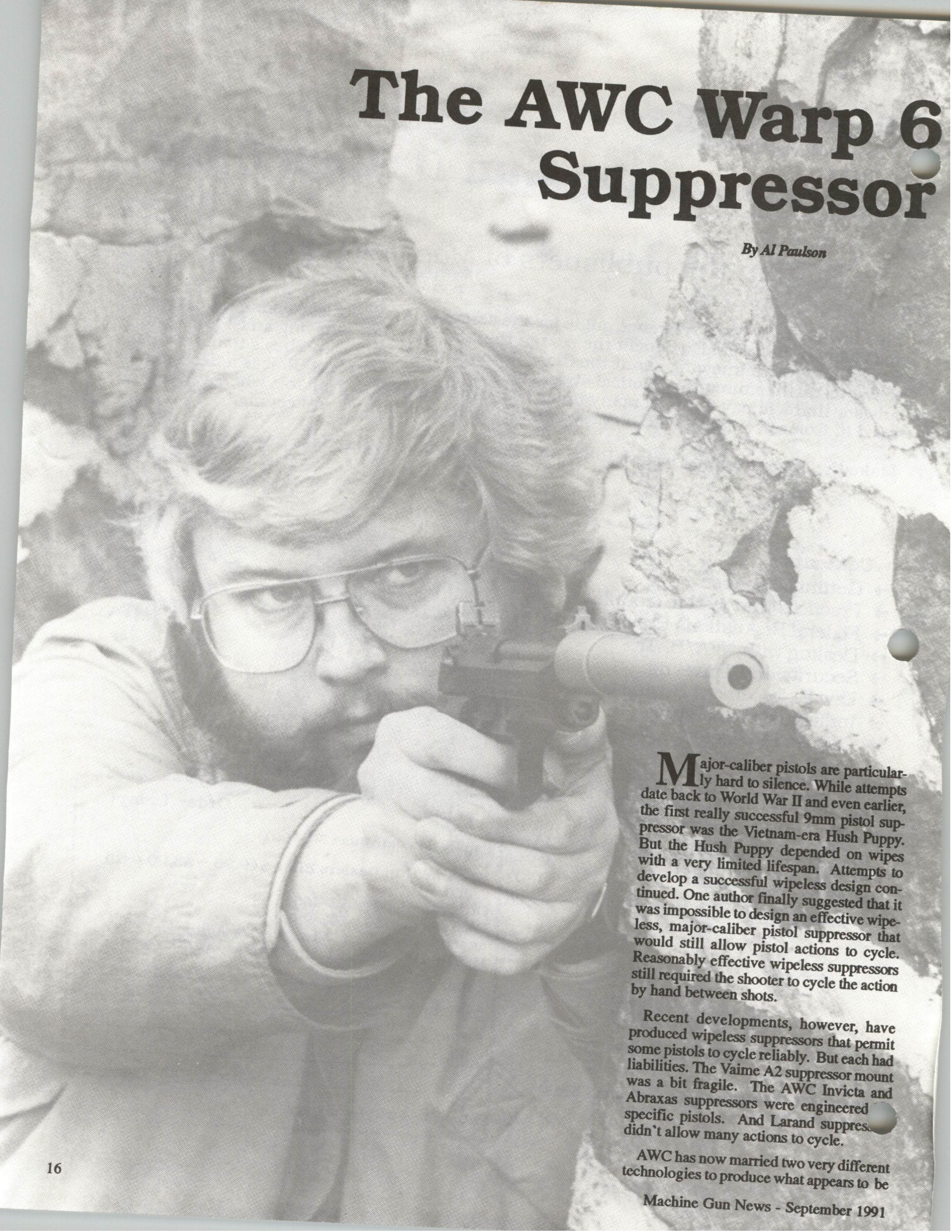
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The AWC Warp 6 Suppressor

By Al Paulson

Major-caliber pistols are particularly hard to silence. While attempts date back to World War II and even earlier, the first really successful 9mm pistol suppressor was the Vietnam-era Hush Puppy. But the Hush Puppy depended on wipes with a very limited lifespan. Attempts to develop a successful wipeless design continued. One author finally suggested that it was impossible to design an effective wipeless, major-caliber pistol suppressor that would still allow pistol actions to cycle. Reasonably effective wipeless suppressors still required the shooter to cycle the action by hand between shots.

Recent developments, however, have produced wipeless suppressors that permit some pistols to cycle reliably. But each had liabilities. The Vaime A2 suppressor mount was a bit fragile. The AWC Invicta and Abraxas suppressors were engineered specific pistols. And Larand suppressors didn't allow many actions to cycle.

AWC has now married two very different technologies to produce what appears to be

Machine Gun News - September 1991

a thorough and effective solution to the problem: the Warp 6 suppressor with "Recoil Regulator Device".

The recoil regulator ensures that the pistol cycles by using combustion gas to offset the inertial effect of the suppressor's weight on the barrel. Negating the suppressor's inertia is crucial for most pistols (like the Glock, SIG, Ruger P85, Browning Hi-Power, and Beretta) since the weight of the suppressor retards the rearward movement of the barrel, which provides energy to cycle the slide. Thus, pistols like these which depend on the rearward movement of the barrel are more likely to malfunction with a suppressor than pistols like the H&K P9S that do not require barrel movement.

The device actually drives the main cylinder body and suppressor away from the barrel, which gives the barrel a momentary relief from the suppressor's burden. Then a spring load on the piston pushes the mass of the suppressor system back toward the barrel, which applies a little more recoil to the barrel assembly.

AWC's Recoil Regulator Device now permits the suppression and reliable function of most 9mm pistols. Fixed-barrel designs like the H&K P9S do not require the regulator and should not have it installed. The recoil regulator is designed specifically for the Warp 6 suppressor, and AWC will only sell the regulator to verifiable owners of the Warp 6.

While AWC's catalog says the recoil regulator is made from 304 stainless steel, it is actually a product of much superior metallurgy. AWC uses 17-4-PH heat-treatable stainless with very precise heat treating. I like it when a company actually delivers more than it claims.

While the design looks deceptively simple in theory, it is really difficult to



Custom sights by the Gunworks improve both the speed of target acquisition and accuracy when the Recoil Regulator Device is used on the Beretta. Photo above and at left by Polly Walter.

The system provides a robust design that permits a totally unprecedented variety of handguns to cycle reliably with a suppressor. Now individuals and agencies can suppress their own 9mm handgun of choice.

produce in practice. The device requires tolerances that are too demanding to be produced on conventional machine tools. An aerospace precision grinder is required to achieve tolerances of half a thousandth of an inch with meticulous surfaces. Then the components require exacting heat treatment. The recoil regulator device is a remarkable achievement.

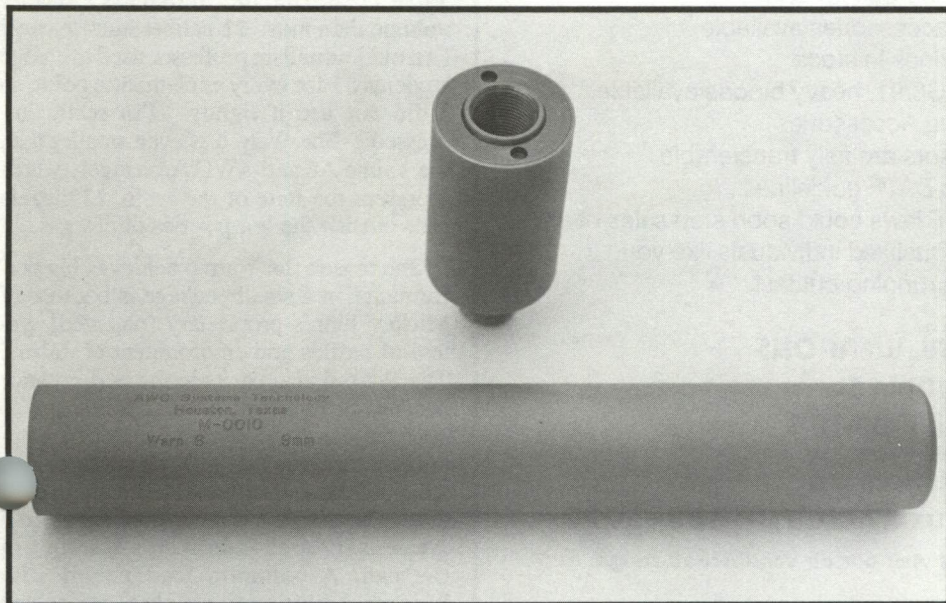
The regulator measures 1.5 inches (44.5 mm) long and 1.075 inches (26.9 mm) in diameter. It weighs 4.7 ounces (135 grams). It is available in a bead-blasted, optically flat finish or in a black chrome sulfide (which is available at no extra charge when the device is purchased with the Warp 6 suppressor).

The device comes with a spanner for disassembly and maintenance every 100 rounds or so. Complete maintenance instructions are also provided. Since the regulator by itself does not lower a pistol's sound signature, the regulator does not require registration with BATF.

According to two normally reliable sources, the Warp 6 suppressor was designed by Charles A. "Mickey" Finn. While this name has not been heard much among civilian shooters and law enforcement, it is a most highly respected name in the clandestine and special ops community. It is not uncommon to hear "genius" in the same sentence as "Finn". AWC will neither confirm nor deny that Mickey Finn is collaborating with them. But one normally reliable informant tells me that all of AWC's designs which use a lubricant or

(continues)

AWC Warp 6 suppressor and dismounted Recoil Regulator Device, which permits reliable semi-automatic functioning on an unprecedented variety of 9mm pistols. Photo by Al Paulson.



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liquid of some sort to enhance performance were designed by Finn.

Lynn McWilliams (president of) AWC began by marketing the splendid suppressors designed by Dr. Phil Dater. Included Reed Knight's Hush Puppy to line until recently. And now he has apparently added the designs of Mickey Finn. Three of the greatest minds ever turned to suppressor design. Even noted expert Tim Bixler made significant contributions to AWC's products when he was with the company. Talk about a tour de force. The new Warp suppressors continue AWC's tradition of innovative design and excellent craftsmanship.

This touches upon a phenomenon that warrants a brief discussion. These folks own their own companies. They compete in a very small and highly competitive marketplace. Yet they exchange ideas, provide informal technical assistance to each other, sometimes grant a competitor the right to incorporate proprietary designs into their products, and sometimes even conduct joint ventures. While the academic and scientific community is based on the exchange of ideas and mutual respect, I am not aware of any other industrial realm where competitors are so willing to help each other. I really admire these guys.

The Warp 6 suppressor itself is constructed of 304 stainless steel. Like the Warp 3 .22 rimfire suppressor, the Warp 6 is sealed to prevent disassembly. The tube measures 6.75 inches (171.5 mm) long and 0.98 inches (24.5 mm) in diameter. The suppressor weighs 6.7 ounces (190 grams). It is beadblasted to provide a nonreflective surface, and is also available in a black chrome sulfide finish at a small extra cost (\$25 retail).

This is a remarkably small design, especially for a wipeless 9mm suppressor (see Table 1). In fact, the Warp 6 has a smaller volume than most .22 caliber muzzle cans! (An old journalism professor used to charge students \$1 for every exclamation point, so I did not use it lightly. I'm really impressed.) The Warp 6 is even smaller than the Vaime A8 and AWC Archangel, which represent the state of the art in .22 muzzle cans outside the Warp series of designs.

One reason the Warp 6 achieves big performance in a small package is because of Mickey Finn's proprietary (patented) system of baffles and environment chambers. The Warp 6 also packs in the performance because it employs several lubricants to cool the combustion gases. Internal components are coated with Break Free, spraying the Teflon-based lubricant in the end. Then about a teaspoon of lithium grease is smeared in the rearmost section of the can. A common lead pencil with hexagonal cross section makes an excellent

tool for applying grease inside the can. With each shot, these lubricants vaporize, cooling the gases. The internal components of the suppressor also slow and cool the gases, robbing them of energy that would be perceived as sound.

A secondary benefit from the lubricants is that they coat the internal components of the can, reducing the rate of carbon buildup. The lubricants greatly facilitate cleaning the can of fowling by unburned powder residue by immersion in a solvent. This is an important consideration for several reasons. The Warp 6 cannot be disassembled for cleaning. And Samson subsonic ammunition is particularly dirty.

I should note, however, that the Samson 158 grain subsonic ammo is quite satisfactory in all other respects. It is an accurate, reliable, powerful and readily available round suitable for both tactical and sporting applications.

This suppressor was designed for tactical users, and the system has been delivered to the U.S. military. A highly reliable source tells me that the U.S. Navy Seals use the Warp 6 on a Heckler & Koch P9S. They can lock out of a submarine with the suppressor mounted and the single-column magazine loaded in the gun. The Seal then rotates the gun until all the air bubbles disappear, and then chambers a round. He could then shoot the gun underwater or at the end cap of the suppressor out of the water if, for example, he needed to take a target off a boat or platform or beach. The single column magazine design and barrel design of the P9S are crucial for this application. The P9S will cycle reliably in semiautomatic when immersed. It is critical, however, that the barrel be completely full of water. You don't want a lot of air in the barrel.

One informant tells me that the gun is "so gosh dang quite in that environment that it is just unbelievable, if you've got the gun below the surface and all you've got sticking out of the water is the front end cap, and the bullet is pushing a column of water ahead of it as it exits the gun."

As far as I know, the P9S is the only 9mm pistol suitable for amphibious operations, such as when a swimmer wears the gun in a holster through the surf, where wet sand can work its way into the magazine. According to one (unconfirmed) source, the double column, single-position feed magazines of pistols like the Beretta, SIG and Glock jam, so the swimmer only gets to use the round that was manually racked into the chamber. A second magazine may be carried, but it will also cease to function after the first round is manually racked into the chamber. While the H&K's magazine design provides much of its reliability in

(continues)

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this environment, the gun itself is also tolerated very nicely.

Glock has reportedly delivered special firing pins to the Navy so the (unsuppressed) Glock can be fired more reliably underwater, but I have not been able to learn if any progress has been made on magazine reliability.

The lubricants in the Warp 6 must be replaced periodically. Tactical users will want to add lubricants every time they reload (every 15 to 20 rounds), as long as they use Break Free or similar lubricants. I believe the Navy uses water-soluble oil with paraffin. Using water or urine instead of Break Free requires more frequent replacement. Neither option should be a tactical liability. For most mission scenarios, more than one shot should not be required, and more than three shots means the shooter is in deep merde. Extra Break Free and lithium grease can easily be carried in small bottles marketed to backpackers. Light oils like WD40 can also be used in place of Break Free, but flammable fluids with low flash points must be avoided.

PERFORMANCE

AWC's experience suggests that the Beretta 92F does not require the Recoil Regulator Device for reliable functioning with the Warp 6 suppressor. That was not my experience. My own 92F did not function reliably with either Winchester USA 115 grain supersonic or Samson 158 grain subsonic ammo unless the device was installed. The Beretta functioned flawlessly with the device, however. The only downside to using the recoil regulator on the Beretta 92F is that it obscures noticeably more of the factory sights than the Warp 6 suppressor, since it has a slightly larger diameter.

While the Beretta's factory sights are still theoretically usable with the Warp 6 system, the sight picture is mediocre and it takes me too long to engage a target. For this reason, I prefer a good set of elevated sights. My favorite solution on the 92F is the setup produced and installed by Ray Ketchum of the Gunworks. These sights dovetail over the old sights in a most tidy and elegant fashion.

Ketchum's combat sights provide a superb sight picture--much better, in fact, than the factory sights. Especially for someone like me who was trained in combat pistolcraft at a young and impressionable age by Jeff Cooper. The elevated sights are fast and accurate even in poor light. Here at last is an outstanding set of combat sights to look over your favorite pistol suppressor on the Beretta 92F. Ketchum can be phoned at (206) 797-7620 evenings Pacific time.

Table 1. Volumes of 9mm pistol suppressors compared

Suppressor	cubic inches	cubic centimeters
AWC Warp 6	5	82
Hush Puppy	8	123
Vaime A2	11	183
AWC Invicta	11	184
Larand	23	380

Table 2. Sound signatures in decibels of suppressors tests.

Suppressor	Winchester USA supersonic	Samson subsonic
None	162	161
Warp 6	132	129
Warp 6 with recoil regulator	135	133

Table 3. Sound reductions in decibels of 9mm pistol suppressors

Suppressor	Winchester USA supersonic	Samson subsonic
AWC Warp 6 with recoil regulator	27	28
Hush Puppy	--	28
Vaime A2	26	27
AWC Invicta	20	23
Larand	31	29

To test the performance of the Warp 6 suppressor, I measured sound signatures 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. Ambient temperature during the testing was 82 degrees Fahrenheit. The microphone was placed 1.00 meter away from the front of the suppressor or muzzle, at a 90 degree angle from the bullet flight path. The meter was calibrated just before and just after the tests. No instrument drift was observed. The can was tested with Winchester USA 115 grain supersonic and Samson 158 grain subsonic ammunition. The sound signatures are shown in Table 2.

One of the design criteria for the Warp 6 was to produce a wipeless suppressor that was as quiet as the Hush Puppy. AWC exceeded this requirement. The Warp 6 without recoil regulator reduced the sound signature of Samson subsonic ammo by 32 decibels, while Table 3 shows that the Hush Puppy reduced the muzzle signature of this ammo by 28 decibels.

Adding the recoil regulator reduced the suppressor's performance to equal that of the Hush Puppy. That is still excellent performance. But it was a surprise. I expected that the recoil regulator would improve, rather than degrade, the amount of sound reduction achieved by the Warp 6, since it performed work with the combustion

gases. I expected this work to lower the energy level of the gases and thus lower resultant sound signature. I repeated the experiment several times, taking care to add the same amount of grease and Break Free before every string of 11 rounds. I continued to observe the same results.

While this was a surprise, it is in no way an indictment of the Warp 6 suppressor with Recoil Regulator Device. Quite the contrary. The system demonstrated a level of sound reduction that has proven tactically sufficient on numerous tactical and clandestine operations. It eliminates the logistical hassle of replacing wipes. The system provides a robust design that permits a totally unprecedented variety of handguns to cycle reliably with a suppressor. Now individuals and agencies can suppress their own 9mm handgun of choice.

The Warp 6 can even be used on amphibious operations when mounted on an H&K P9S without the recoil regulator.

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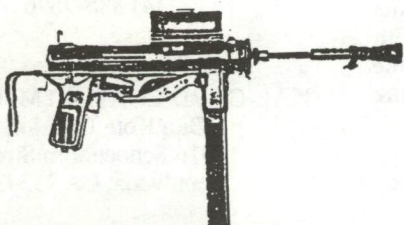
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MAKE-OVER

Dressing Up the Atchisson Magazine

How to transform that puny Atchisson mag into a "he-man" feed system that looks like it could kick sand in anybody's face!

Story & Photos by Ken Carter

For years, one of my favorite toys has been a "shorty" M16 fitted with a full-auto Atchisson .22 LR conversion kit, and occasionally topped off with a small, lightweight .22 caliber suppressor. When my kids were little, it was a gun I felt comfortable letting them shoot, knowing that its lack of barrel rise made it easy for them to control. For the same reason, it makes a great training aid when introducing newcomers to rock-and-roll shooting; not only does it allow them to get their feet wet without undue concern about recoil and noise, but, face it - it's a heck of a lot cheaper than turning them loose with "Big Bertha"! They can shoot all afternoon and have a tough time running through ten bucks worth of ammo.

Outside of the fact that the Atchisson units are fraught with idiosyncrasies, and often require tinkering with and a few hundred rounds of "lapping in" before they work smoothly, I only have one real complaint about the aforementioned systems: I've always hated the looks of those wimpy little 30-round banana clips they come with!

Years ago, the first commercial variation of the Atchisson conversion was marketed by the old Military Armament Corporation. Although this original device was only capable of semi-auto fire, it did have a redeeming feature; it was supplied with a "real" magazine. Actually, it was only a 16-round .22 stick imbedded in a 20-round M16 magazine shell, but when it was installed in the gun, it looked like the real McCoy! I guess I sorta got spoiled.

A while back, while rummaging through a box of used magazines, I came across a 30-round M16 mag that had been damaged beyond reclamation. It looked like someone had either dropped or fallen on their



According to PACT Cyclic Rate Timer, Atchisson-equipped M16 belches brass at a rate of 1209 rpm!

rifle, striking the base of the magazine hard enough to peen the metal away from the bottom of the magazine-release hole. In the back of my mind, I'd always figured that something could be done to improve the appearance of the Atchisson "wonder weenie", and this seemed like as good a time as any to find out.

It was obvious that, in mating the M16 magazine's outer housing to the .22 clip, it needed to be done in such a way as to be removable, since the Atchisson mag requires periodic disassembly and cleaning. A couple of ideas came to mind: I could drill a hole in the floor plates of both magazines and run a sheet-metal screw up through the bottom to draw the .22 device down into the outer shell; or I could insert a bolt through the body of the shell in a manner that would firmly anchor it to the Atchisson magazine. I decided to go with the latter plan because I was afraid that the sheet metal screw might damage the Atchisson's floor plate.

The magazine shell would also need to be shortened; something would have to be

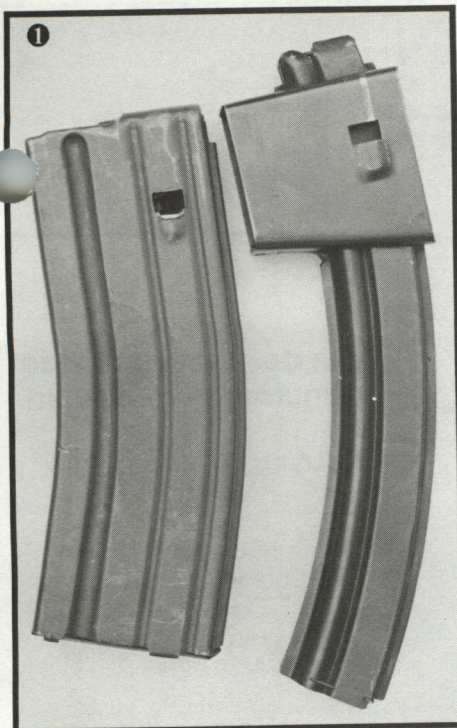
done about that gaping mag-release hole (which would be exposed); and then the whole affair would need refinishing.

Solving these problems turned into a weekend-long project, but the end result was sufficiently satisfying that it occurred to me some of the readers might be interested in trying it themselves. The accompanying photos should prove helpful.

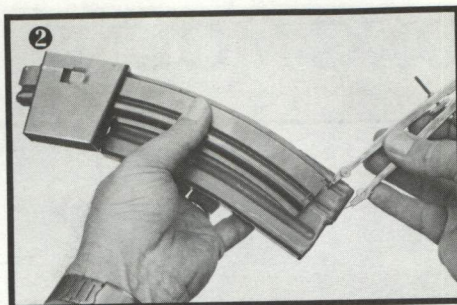
You, of course, may come up with some ideas that are better than mine. If you do, let me know, and I'll pass 'em along. MGN

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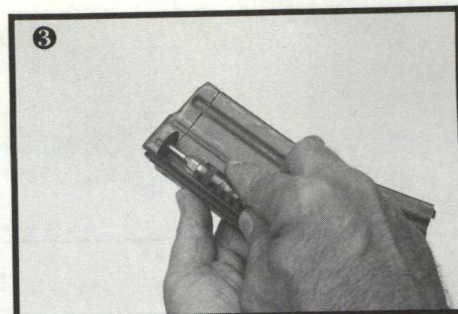
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Damaged M16 magazine (left) is about to embark on a new career as a disguise for the Atchisson "Wonder Weenie" (right).

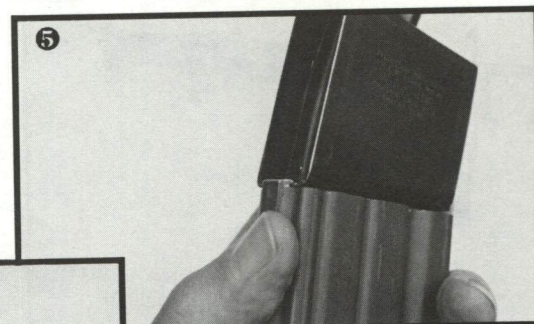


Author measures top of magazine shell to determine how much needs to be cut away. (Top instead of bottom is cut off to provide a square shoulder for fitting to Atchisson mag, and so M16 magazine floor-plate can be retained.)

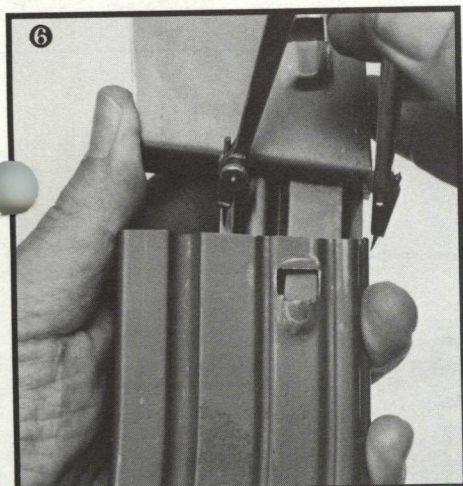


Dremel tool does a neat job of cutting magazine. Hacksaw, bandsaw may also be used. Important: leave rib at rear of magazine shell for further fitting (see following photos).

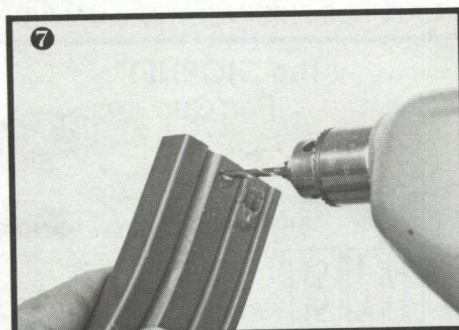
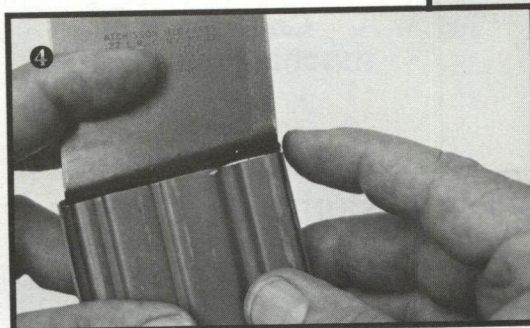
Front of mag shell must fit flush with front of Atchisson magazine bracket in order to clear M16's magazine well. This dimension may be adjusted by filing...



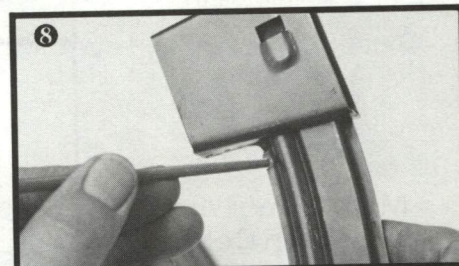
...excess metal from face of rib left standing at rear of magazine shell. Make slight undercuts to allow magazines to fit together more securely. (Too much metal has been cut from top of rib in photo; for strength, entire rib should be left standing.)



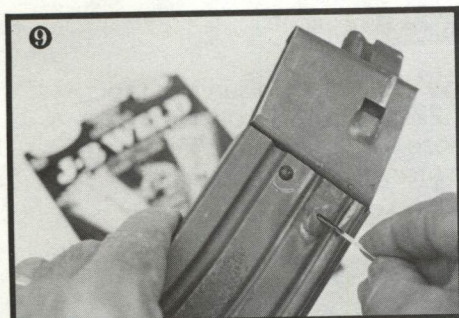
Holding Atchisson mag firmly against rear of mag shell, measure distance from rear of mag shell to a point about 1/3 way in from leading edge of Atchisson mag lip. Mark distance carefully on both sides of magazine shell.



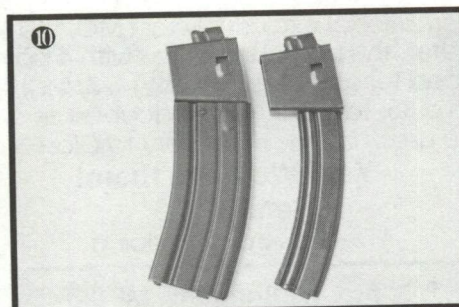
Drill 3/16" hole through one side of mag shell (at least 5/16" down from top), check alignment with lip of Atchisson mag, then drill other side of shell. (DO NOT drill through lip of Atchisson mag.)



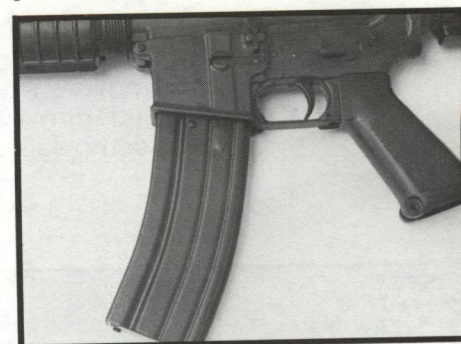
Mark lip of Atchisson mag through holes, then carefully remove metal with file until machine bolt (author used 6-32 x 1") will just pass through to other side of shell. This will assure that .22 magazine fits tightly against rear of shell. Place nut on bolt, cutting away excess bolt if necessary. If assembly rattles, styrofoam or rubber shims can be glued to each side of Atchisson magazine.



Author fills mag-release hole with J-B Weld, a metal-pregnated epoxy available at auto parts stores. A piece of foil has been taped to rear of hole, and can be removed when epoxy is nearly dry. After curing, material can be filed smooth, and is heat-resistant.



Before and after. Magazine shell has been sprayed with Gun Kote, a tough finish that can be baked-on in ordinary oven. Other finishes can be substituted.



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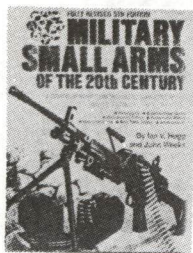
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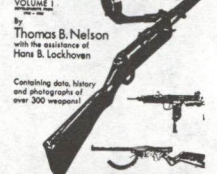
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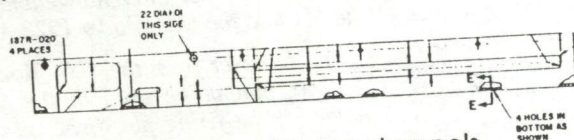
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- .223 cal., Full wood stock, under folding spike bayonet
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Class 10



Tinkering With Thompsons

by Jim Kloczinski of GUNMACHINES

The Thompson Models, Part 2, Models M1 and M1A1

In early 1942, primarily to simplify manufacture, the 1928A1 TSMG was redesigned into the Model M1 TSMG and it was standardized by the Ordnance Department in April, 1942 as Submachine Gun, Caliber .45, M1.

An eight page 1942 insert to the Edition of 1940 of the Handbook of the Thompson Submachine Gun, Model of 1928, Model M1, published by the Auto-Ordnance Corporation, Bridgeport, Conn. describes the differences between the 1928 A1 and the M1. I could do no better than to quote the relevant parts of this insert for you, with a few notes by myself where deemed relevant. Although the quote refers to the 1928A1, the information applies to a non-military 1928 as well.

It will be noted that the Thompson Submachine Gun, Caliber, .45 M1 in appearance is similar to the Thompson Submachine Gun, Caliber .45, U.S. Model 1928 A1. However, the M1 gun differs due to the elimination of the Lock, Actuator, Breech Oiler, Buttstock Catch, Cuts Compensator, and the Cooling Fins on the Barrel.

The components differ from the U.S. Model 1928 A1 in the following manner:

Bolt - The outline of the M1 bolt is similar to the bolt had no lock slot (Note: for Blish lock or H-Piece) and is not cut open in the top for the actuator which was used on the U.S. Model 1928 A1. The new bolt also has a groove cut through the bottom for the rocker to ride through the same as in the U.S. Model 1928 A1. The extractor groove and ejector groove in the M1 bolt is the same as in the U.S. Model 1928 A1. The M1 bolt is heavier than the Model 1928 A1 bolt. (Note: the exterior dimensions of the 1928, M1 and M1 A1 bolt are the same.)

Buffer - The M1 buffer differs from the U.S. Model 1928 A1 buffer inasmuch as the M1 buffer is in two parts consisting of the buffer pilot and buffer pad.

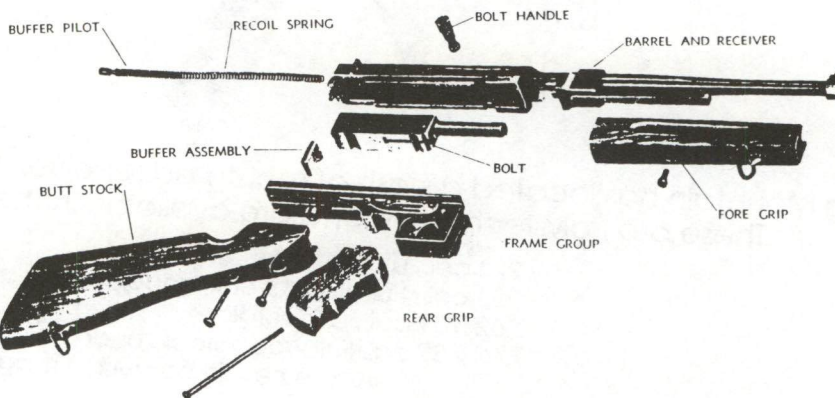
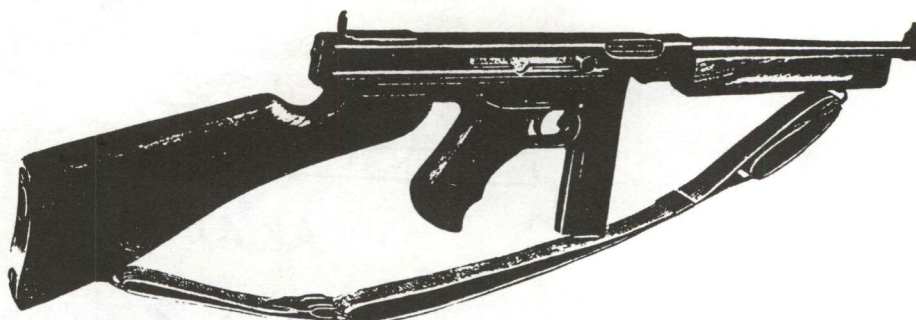
Hammer - The hammer is the same in the M1 as in the U.S. Model 1928 A1 except for size and shape. (Note: the 1928 hammer is triangular in shape, the M1 hammer is crescent shaped.)

Ejector - The design of the ejector in the M1 is the same as the U.S. Model 1928 A1 except for size. (Note: the screw portion of

the 1928 ejector is 3/4 inch long, the M1 ejector is 1/2 inch long.)

Receiver - the receiver is smaller in appearance as it is not quite as wide as the receiver in the U.S. Model 1928A1. The cavity (Note: bolt channel) is rectangular in shape but does not have the locking shoulder and slots which were necessary for the lock in the U.S. Model 1928 A1. The receiver does not have an under-cut as no breech oiler is necessary in the M1 gun. The receiver does not have the two grooves cut through for the type L drum magazine inasmuch as the drum magazine is not used on the M1 gun. The receiver does not have the actuator slot in the top, but has a slot cut on the right hand side looking forward through which the bolt handle travels back and forth when the gun is being fired. (Note: the hole at the rear of the receiver through which the pilot protrudes is centered approximately 1/8 inch higher in the M1 than the 1928. This significantly complicates modifying a M1 or M1A1 bolt to function in a 1928, or vice versa.)

The interchangeability of components is as follows:



The frame group which consists of the pivot plate, trigger, trip, disconnecter, sear lever, trigger spring, disconnecter spring, sear spring, and sear lever spring, is identically the same as in the U.S. Model 1928 A1 gun. Therefore, these parts are interchangeable in both guns.

The frame latch is interchangeable in both the M1 and the U.S. Model 1928 A1 guns.

The extractor is interchangeable in both the M1 and the U.S. Model 1928 A1 guns.

The bolt is not interchangeable in both the M1 and the U.S. Model 1928 A1

The hammer from the U.S. Model 1928 A1 gun cannot be used in the M1 bolt, however, the firing pin, firing pin spring, hammer pin, and recoil spring are interchangeable in both M1 and U.S. Model 1928 A1 guns.

The ejector is not interchangeable in either the M1 or U.S. Model 1928 A1 gun.

The buffer pilot is not interchangeable in either the M1 or U.S. Model 1928 A1 guns.

Frame - The frame is practically the

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same in appearance as the U.S. Model 1928 A1 except that the buttstock is permanently attached to the gun with two buttstock screws instead of a slide which was assembled to the buttstock in order that the buttstock could be removed from the gun by merely pushing down on the buttstock catch button. However, on the bottom of the frame there is a hub which is bedded down in the buttstock to help take up the shock which would otherwise have to be absorbed by the two buttstock screws. (Note: a M1/M1A1 frame will fit and functions on a 1928 or 1921 receiver and vice versa.)

Rocker Pivot and Safety - The design of the rocker pivot and safety has been changed, however, they perform the same functions as the rocker pivot and safety in the U.S. Model 1928 A1. Due to the rapid change-over in production from the U.S. Model 1928 A1 to the M1 gun it was necessary to use the U.S. Model 1928 A1 rocket pivot and safety until the new design of rocker pivot and safety could be manufactured. Both types of rocker pivot and safety will interchange in either model gun.

Magazine-Catch - Since no drum Magazines are used on the M1 Submachine Gun it was only necessary to have a magazine catch for the box magazine. However, due to the rapid change from the U.S. Model 1928A1 gun to the M1 gun, magazine catches from the U.S. Model 1928 A1 were used on the M1 gun inasmuch as they were interchangeable. However, the standard M1 magazine catch does not have a projection on the catch for the drum magazine.

According to Helmer's book, *The Gun That Made the Twenties Roar*, 285,480 M1 TSMGs were manufactured, and 539,143 M1A1 TSMGs were manufactured. The M1A1 was officially adopted in October 1942. The distinguishing difference between an M1 and M1A1 is that the M1A1 was further simplified by replacing the M1 hammer system with a fixed firing pin machined onto the face of the M1A1 bolt. Also, a stamped L-shaped rear sight with protecting wings is found on many M1A1 TSMGs. All other M1A1 parts are the same and interchangeable with the M1. The bolt assemblies will also interchange. This accounts for many TSMGs stamped "M1" having an M1A1 bolt and vice versa. See Photo 1 for right side view of M1/M1A1, and Photo 2 for disassembled view of M1/M1A1.

Next Month: Further notes on Reliability: The Trip.

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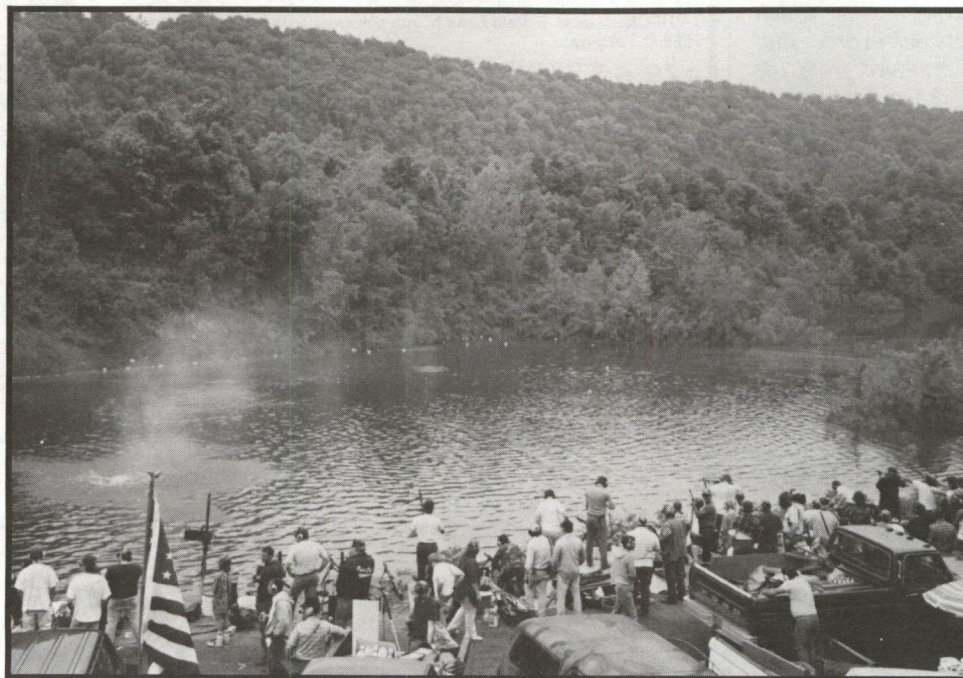
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Southwest Pennsylvania Gun Club's Charlie Erb Invitational Classic

By William Conville

For you fellow Class III folks who haven't heard the sounds of multiple bursts rippling over and into the water, or the chug-chug-chug sounds of belt-fed rounds converging on and obliterating mobile bobbing targets, then clearly you have not journeyed to Western Pennsylvania, south of Pittsburg, for a full day of recreational shooting.

The folks of the Southwestern Pennsylvania Gun Club prove that machine guns of all makes and models, are alive and well in Pennsylvania. The wizard who runs this enjoyable event is the nationally known manufacturer, dealer and high-guru of machine guns- Charlie Erb.

This one day invitational shoot is targeted for genuine collectors and folks who appreciate the historical significance and mechanical complexity of machine guns. The event brings Class III shooters together from Pennsylvania (a free state) and elsewhere in the region such as Ohio, Virginia, Kansas, and as far away as Canada. This traditional and time-honored shoot of both Spring and Fall has been happening for the past 11 years. Each year Charlie and others bring more exotic and interesting Class III

firearms to the firing line, located in a safe rural, remote area away from media-types and limousine liberals.

First, let's talk about the range. It's unique and fun - here's why. The shoot uses an abandoned strip mine as one wide range. The range has medium sized hills on all four sides with a wide bank overlooking a centrally located body of water. Since the water is both down range and roughly forty feet down an unobstructed bank you look over and down at your targets. The wide bank serves as a straight line firing range. Behind you there is lots of homemade food and the American flag rippling in the breeze. Got the picture? Right. It's a nice place to shoot.

The four hills provide excellent backstops for the well over 150,000 rounds which begin their high-velocity journey down-range after Charlie's voice on the bull horn gives the long awaited command - "FIRE!". Then suddenly the quiet remote wooded area sounds like the beginning of the Stalingrad offensive. What was once a calm tranquil body of water is beginning to ripple, foam and churn like it was going through a veg-a-matic food blender. The

thin morning fog once hanging a few inches above the water is now instantly vaporized.

It's just about 0900 hours and the shoot has begun with the energy of the TET offensive. All belt-feds, water cooled, air cooled guns and subguns let loose in one concentrated roar that is downright awesome, even with ear-muffs on. Within seconds brass is spewing to the left and right of the shooters in piles, like a continuous layer of brass carpeting. The aroma of gunpowder, sizzling overcooked WD-40 solvent, and overheated barrels fills the morning air as fingers move quickly to insert new belts of ammo, clear stoppages or replace empty magazines in the sub-guns. Targets are ripping, shattering, flipping into the air only to land on the water again to be riddled with rounds until they sink below sight.

As you look down the firing line you see lots of hungry guns chewing up ammo like a buzz saw. Shooters are blasting away with Sten's AK's MP-40's MP-5's, water cooled Maxims, UZI's, Galil's, D-gripped M-60's, M-16's, MG-34's, and MAC 10/11's. Several MG42's continually gobble up link after link of 8mm Mauser at the incredible

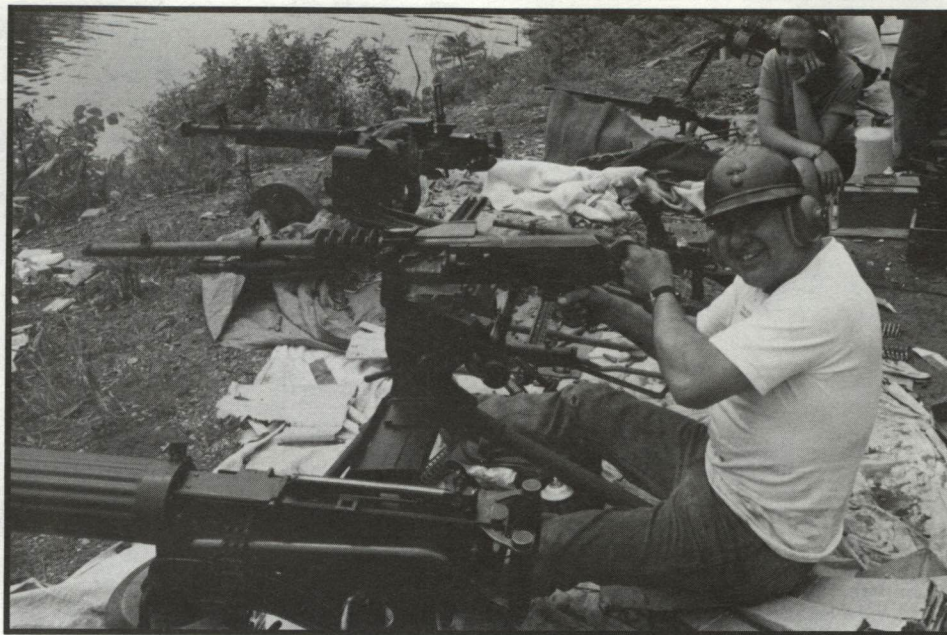
Machine Gun News - September 1991

rate of 1200 rounds a minute, with its standard sound of r.i..p as it chews up cases and cases of ammo in minutes.

A variety of novel guns made their appearance on the line. Space allows mentioning but a few, Charlie Erb's inventory is extensive, such as a World War 1 French Hotchkiss, a Japanese Model 99, and an aircraft Twin MG81z from a German bomber that caught everyone's attention. The sonic sounds of the Aircraft's Twin MG81z's were not only heard but also felt in one's sinus cavities.

Charlie Erb's commitment to safe, recreational shooting is of paramount importance. Charlie began the morning with a cordial welcome to all attendees and explained the safety rules and procedures. In addition Charlie points out and identifies his range officers who are on the range to monitor and enforce safety regulations. Finally, Charlie points out in a thoughtful moment to us all that this shoot was scheduled on and in honor of Armed Forces Day. He told us there were active military folks on the firing line who had just a week earlier returned from combat in "Operation Desert Storm". Then he led us in a warm round of applause of appreciation for their victory in the desert, and also for joining us today to celebrate our cherished 2nd Amendment rights.

Charlie and his team provided most of the targets. These consist of anything which will float on water and be a safe target. That includes soda cans, waterjugs, wooden boards, wood and metal barrels, logs, bottles, canisters, and Charlie's own creation-a wooden mock-up of an Iraqi gunboat complete with turrets. The life expectancy of the Iraqi gunboat was measured in minutes once the rounds began sawing into it. The array of targets is only limited by what can



Charlie Erb wearing a French fusillade original helmet prepares to fire a French Hotchkiss.

stay afloat for a few seconds, or minutes under the barrage of fire.

With the morning activities behind us a cease-fire was called for a lunch break. Weapons were cleared, chow was secured, and shooters, friends, and spectators began swapping stories, guesstimating on gun prices, and enjoying the friendly conversations and camaraderie that law-abiding gun owners share.

This same friendly atmosphere continued after lunch when the usual urge comes over just about everyone at a class III shoot. The urge comes usually after spending the morning doing trigger-time on your own guns. You know the urge. The urge to test fire everyone else's guns like the Browning 50 caliber and the French Hotchkiss from WW1 and the twin M-60's.

While guns and shooters changed places on the line many wives and children stepped up to the line to stop watching and start doing. It is always fun to watch a spectator become a shooter. In one of many instances you can see this happen. It works like this. Hesitant and reluctant spectator is encouraged to step forward and try some trigger-time on a belt or two. Their first response is usually, "Naw, not right now.", but with a little encouragement they put muffs on. Weapon in hand, fingers and knuckles hold the weapon in a semi-death grip. The stance is usually over-dramatic, as if they are somehow preparing for the worst, and then... The trigger finger slowly moves from outside the trigger guard to inside the trigger guard, and the slow nervous pull of the trigger begins. The face tightens-up as a few rounds go screaming down range. The new shooter stops, looks sideways to be sure they are doing it right. Once given the OK nod, the new shooter lets the entire belt rip thru the gun. Slowly a wide-angle grin begins to replace the tense face as if to say -- this is more fun than I ever dreamed, as the final rounds of the belt disappear into the gun.

What a sight! Grandmoms holding D-gripped M-60's, rocking and rolling, and grinning while playing the role of a Huey door-gunner over the Delta.

And so what was once hesitation becomes, "Wow", and the classic line is again repeated - "Do you mind if I do that again?" One more spectator becomes a shooter, and a believer in the class III experience.

(continues)



Twin M-60's rip into a barrel.

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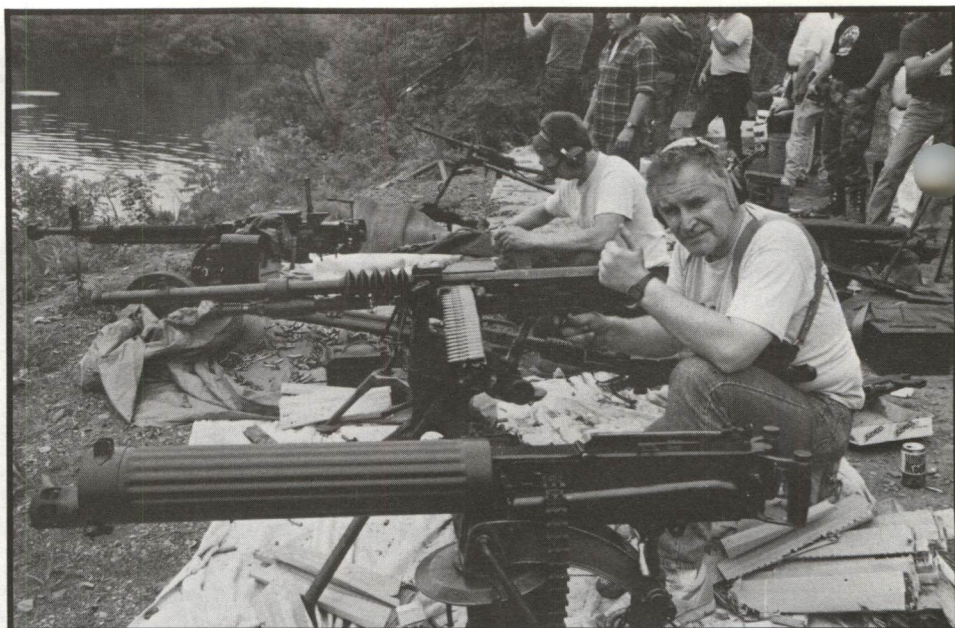
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Author gives thumbs up on World War I French Hotchkiss



Portion of the firing line.

By late afternoon, you walk up and down the line ankle deep in empty brass casing. The last of the soda-pop is finished off, immediately followed by every empty can going airborne grenade-style into the water to become a new target for hot muzzles to identify, locate, and obliterate. Hmmm-a trash disposal system.

By 1600 hours, spent cases are being gathered up by the shooters for possible reloading, gear is being packed and secured for the trip home, people are exchanging handshakes and smiles. Muffs finally come off for the day and the water's surface returns to a mirror finish.

Charlie Erb's shoot is unique, novel and enjoyable. And what makes it so are the targets. The targets are bobbing in the water and always react to your shooting style,

whether it's direct concentrated fire or spray and pray. This constant, immediate visual feedback while you are shooting frangible targets is incredible fun, and must be experienced to be fully appreciated. For those interested, the next shoot is in October at the same location. Charlie can be reached at (412) 757-6811 for an invitation, and a slot on line. At this time there is no charge for admission or a shooters fee.

All of us thanked Charlie and the good folks at the Southwest Pennsylvania Gun Club for their hospitality, the abundance of food, and the unique targets. What seven dedicated and motivated shooters began in 1980 is now an East Coast event.

Well... let's see the next shoot is in October... I better start stockpiling targets and cases of ammo.

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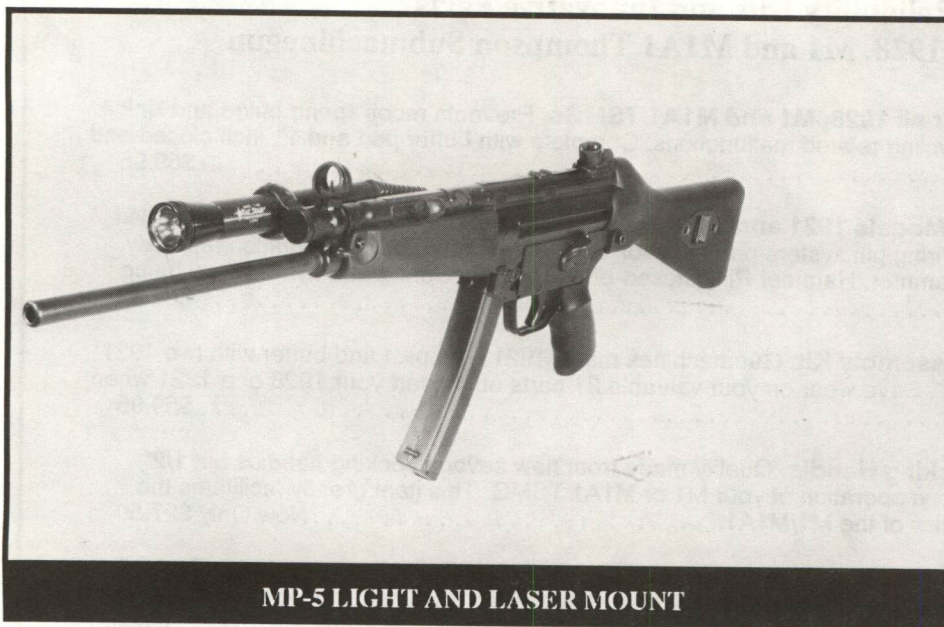


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What's New

by Chris A. Choat



MP-5 LIGHT AND LASER MOUNT

MP-5 LIGHT AND LASER MOUNT

Adventurer's Outpost has just introduced their new HK System Quick Detachable Laser/Flashlight Mount. The mount will fit all of the H&K "black rifle" weapons including the 91, 93, 94, G-3, MP-5, etc. Adventurer's Outpost own Tac Star Flashlights or any 1 inch diameter laser can be mounted on the above mentioned firearms in such a way as to not obstruct the sights. With this mount, sighting devices are easy to remove and can be replaced without loss of zero. The all-metal mount is precision machined from stainless steel and aluminium that are then both finished in a deep black. The mount also includes a nylon bushing for mounting mini AA flashlights. For more information contact Adventurer's Outpost, Dept. MGN, P.O. Box 70, Cottonwood, AZ 86326. Phone: 1-800-762-7471. Fax: 1-602-634-8781.

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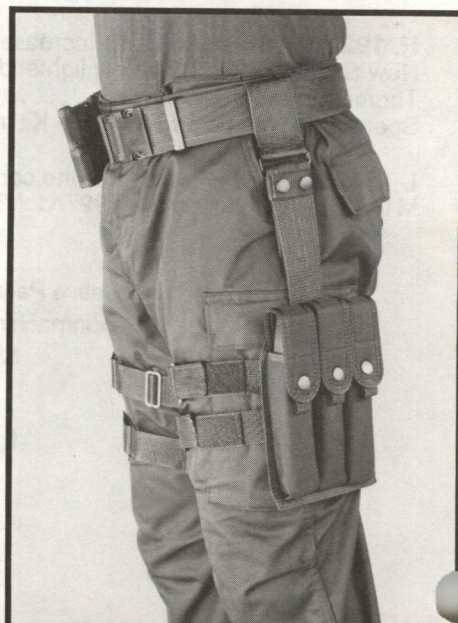
Removing the barrel from a Thompson submachine gun is not an easy procedure. Improvised tools usually lead to damaged barrels and receivers. Now this can be overcome with some new Thompson disassembly tools from D.W. Richardson. Some of his unique tools include a compensator wrench, a receiver wrench, with nylon jaws, a barrel wrench and bench mounted receiver vise. These tools make easy work of removing the compensators and barrels from Thompson submachine guns or semi-autos. Also available from D.W. Richardson are most manuals and books for the TSMG as well as an informative book on the different variations of drums to fit the guns. Contact him for his informative

catalog which lists most parts, dummy receivers, accessories, barrels and even more useful Thompson tools. The address is D.W. Richardson, Dept. MGN, 2100 McReynolds Road, Malibu, CA 90265. The phone number is 1-213-457- 6400.

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CORRECTION: The correct mailing address for Military Arms Depot featured in last months column is: PO Box 41324 Phoenix AZ 85080.



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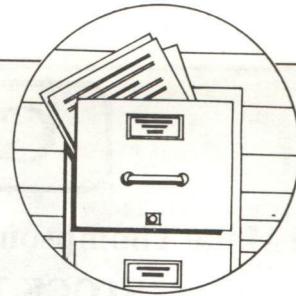
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The Forms

by Dan Shea



Lot's of questions this month, we'll dive right in.

Q I'm a relative newcomer to MGN having been a reader for only a year. I find MGN an excellent source of practical info in addition to the historical articles. Along the lines of the latter thought, I have a question I hope you can answer.

I would like to own a Sten MK2 reproduction or kit reconstruction, but don't really want to go thru the full auto bureaucracy. I DO want to stay out of jail, and I was wondering if I welded the Sten selector button permanently into the semi-auto position, can I just file the forms necessary to construct a semiauto weapon and build the Sten. Of course, I would weld the selector to its' housing before I acquired a receiver tube so there could be no doubt of my intent. This seems to me to be the inexpensive and easy way to own a Sten. Do you see any problems I've overlooked? Also, I once heard of a firm that sold new manufacture Sten reproductions in semi-auto version. Do you know of any such firm?

Thanks for any help you can give me, I'm not including my address because of paranoia (?) of the lists I may end up on. You guys keep up the good work.

Dave

A Hey, Dave, just because we think Big Brother keeps an eye on all of us doesn't mean we're paranoid- we've got a reason to believe we're being watched - we are being watched. It only makes sense that with items as potentially volatile and highly restricted as we deal in in the class 3 world, that the "guardians of society" would monitor the trade magazine, as well as any other communication system that we may use. Not all that long ago, you could buy an unregistered silencer tube from a company advertising in one of the other trade publications, turn the page, and buy all of the internal parts needed to complete an illegal silencer. BATF now considers any part of a silencer to be a silencer, needing to be registered unless the owner is also in possession of a legally registered silencer. This ruling came about in part, because the BATF does read all of the ads and articles in Shotgun News, Gun Week, Gun List, and our own MGN. Many agents subscribe personally because of a personal interest in

firearms, and more than a few local BATF offices subscribe as a means of tracking for illegal activities in their area. We take no offense to that, because we are Free Americans involved in legitimate and government supervised transactions. We have nothing to hide, and our advertisers are all offering legal products. As far as being on a list, all class 3 transactions are in the computer in D.C., and if you want to stay out of that, don't go class 3!

Which brings us back to your question about the semi-auto Sten. BATF will not permit you to make a machine gun for private use because of the 1986 manufacturing ban. Included in the definition of a machine gun is a semi-auto that is readily convertible to full auto. If you were to weld the selector to the receiver, what would prevent you from cutting the weld later, and freeing up full auto fire? That's the big question that they are going to ask about your method.

There have to be major differences internally, enough to keep the gun from being "readily converted". Two things your design must have are a floating firing pin and a closed bolt method of firing. 99% of your amateur gunsmiths just got disqualified.

D.L.O. MFG. used to make a nice one that retailed in the \$625 range. Their phone number is 203-924-2952, ask for Doug. I know that they won't tell you how to do it, because they had a lot of R&D time into the project, and they stopped making them when someone started advertising semi-Stens at a cheap dealer/retail, same price. Of course, the company that advertised them never made them, probably because they figured out their design was in violation. At least, the people that I knew that ordered from them never received a gun, and canceled their order in the 6 month range. It's not as easy as it sounds.

Any American citizen over 18 years of age, 21 for handguns, who has not had his right to own a firearm taken away, may manufacture a firearm for personal use. You do not need the government's permission to do so. As long as the firearm does not fall under the definitions of the National Firearms Act, and cannot be readily made into a title 2 firearm, you're alright. It is the semi auto versions of machine guns that usually gets people into trouble. Simplistic

changes are not enough- they must be sweeping in nature, and if the changes don't pass muster with technology branch, BATF, you will be considered guilty of manufacturing a machine gun. I strongly suggest that before you make a semi-auto gun, you detail your plan with a drawing and written explanation and send it to BATF Technology Branch, Room 6400, 650 Massachusetts Ave. NW, Washington, D.C. 20226. The telephone number is 202-566-7131, and the fax number is 202-566-7070.

Also remember that when you manufacture a firearm for personal use, you must put your name, town and state, and a serial number on it. Watch out for state and local regulations, your area may not permit you to manufacture one. And above all else, remember that you can make personal firearms without a manufacturer's license, but, if you are letting them out of your possession by giving, trading, or selling, a case can be made for you manufacturing without a license, which is a tax avoidance issue. Should you think that they'll just make you pay the back tax, remember that this is how BATF puts people in jail. (by proxy, of course, it's the federal prosecutor that does the prosecuting).

Q I just had an HK 94 converted to an MP5-SD. One of the options I had installed on it was the three shot burst lower. My question is this, why did the Class II manufacturer not remove the receiver block so that I could use the push pin to hold the lower trigger assembly onto where the flipper mag. release is. I heard the ATF had something to do with this, but nobody can seem to give me a correct answer. Seeing as you are an R.K.I. I thought you could.

Thank you,
Conrad K.

A The original H&K machine guns do have a "swing-down" lower grip and trigger pack section, using the front pivot pin you want. In order to comply with the same regulations mentioned in question one (not readily convertible to full auto), H&K was only permitted to import their rifles if the factory machine gun lower would not just slide into position. An original machine gun trigger pack will not just slide into a semi auto lower either. All of the semi auto's have the receiver hole blocked so that the MG lower won't fit. Before 1986, manufac-

turers who were making select fire H&K machine guns out of semi's could convert the existing lower, or, if they were trying to make a factory clone (look-alike), drill out that pivot hole and use a factory H&K lower that swung down. These were all registered receiver MG's, as a registered sear would not permit the drilling to the receiver. Legally, if you drill the hole out, you have made that semi auto receiver into a machine gun, because any factory lower will make it full auto. It is readily convertible. Even though you have a registered sear, you are not permitted to permanently convert the semi receiver to an MG. That is part of a ruling from BATF Technology branch that caused a lot of grief for some of the Class 2's.

Q I am finally the actual owner of an M-16 rifle after six months of waiting. Shooting it is a real blast but I can see that ammo is expensive! I am buying Norinco ammo by the case so that helps a bit. Is about six months getting to be the new average wait for the first time purchaser of a NFA weapon?

My approved Form 4 lists the gun's manufacturer as "Wilson Arms Co. Brunswick, GA 31520, Essential Arms Co." The type of firearm is listed as "Machinegun Receiver". The gun was

delivered to me assembled in the carbine configuration with a CAR-15 telescoping butt stock.

My dealer says it does not make any difference to the BATF that the receiver is assembled into a functioning machinegun. He says that all the government is interested in is that I own a machine gun receiver as the receiver of a gun is what the government considers a machinegun. However he also told me at one time that the gun was a Colt when it is actually an Essential Arms generic "Colt".

Will I have any trouble with the BATF if I decided to sell the gun, since it is listed as a receiver? Should I bother to tell the BATF if I decided to sell the gun, since it is listed as a receiver? Should I bother to tell the BATF that the receiver is now a working rifle? It would probably agitate them to do anymore paperwork and take them six months to get it done!

Sincerely,
James

A Cut down on your ammo costs by shooting 22 long rifle with Jonathan Arthur Ciener's 22 subcaliber kit. Sometimes they need a little stoning to smooth the action but are well worth using. Six months is not out of sorts for recent form 4 transfers. Hell, I've seen form 3's take that long during

NFA's recent move and re-populating of examiners. That should be smoothing out now.

From the markings on your paperwork, your machine gun is a receiver only that was manufactured by Essential Arms as a semi-auto, then registered and converted to full auto by Wilson Arms. (It's not a Colt unless it's got the little horsey on the side - explain that to your dealer - it helps to keep the words in less than 2 syllables.) When it left the manufacturers as a receiver, neither one had to pay the 11% excise tax. Somewhere in it's travels, it got put together. The government likes to know the configuration, and you can file an amended form with the new dimensions and info on it. No cost, and no tax liability, because you are an individual, not a manufacturer. Just send a letter with a photocopy of the form showing the changes.

Q I have a couple of questions for your Forms column. First, as a non-dealer individual, if I want to bring my MG's from my home in New Hampshire to a friends in Pennsylvania (another reasonable place for people like us) and I have received ATF approval on a form 5320 there is still the issue of how to get there legally. In other words, I have to travel through that impenetrable barrier called New York State that totally bans possession of machine

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guns. I also may have to pass through various states that require registration, licenses, etc. While not outright banning possession. My question, therefore, is how does one pass through such states legally? Does the form pre-empt (a good lawyer word - yes, there are some of us who have the right frame of mind) state law as far as transport is concerned? I know that McClure-Volkmer allows point-to-point passage through anti-gun states. Of course, I have a friend who passed through New York state one night and the police stopped him and found his Browning Hi-Power. They had never heard of the law and even the D.A. tried to argue that the law didn't exist. After about \$2,000 in lawyers fees, my friend (also a lawyer - surprise) was able to get his guns back and his name cleared, albeit with an arrest record attached thereto. My point is - is there any safe way to travel through such states or are we all setting ourselves up to pay some lawyer fees to teach the anti-gun bigots what the laws are?

My second question is when I am not buying new MG's or spending money protecting my rights from Brady, etc, I am feeding my other habit - flying light planes. As such, what are the laws regarding the transport of NFA weapons in a private plane in U.S. territory? More specifically, can I fly my MG's to Pennsylvania with an

approved 5320 and thus, get there faster and avoid the New York GESTAPO at the same time?

One last thing, if we are going to get screwed with this Brady bill anyway, the least we can do is try to negotiate a rider that repeals all or part of the 86 ban. Maybe we could get Charlie Wilson involved. The best defense is a strong offense. We shouldn't let them take from us without giving some concessions otherwise we are an easy mark.

William

A Yup, we're going to have to keep paying for the education of the ignorant. Plain and simple. McClure-Volkmer does protect you as long as you can prove that you are just passing through, and have a 5320 for any NFA firearms you may be in possession of. Stay out of Jersey, as they say they won't comply, and unless you've got your Martyr complex on, don't try being their test case.

As long as you have the form 5320, you can choose your own form of transportation. Commercial airlines allow the transportation of firearms that are unloaded and in locked sealed cases that are marked with firearms tags and you must declare them. Private plane owners need not announce that they are carrying firearms, but keep them unloaded, and in non descript

cases. Don't jump out at O'Hare with your MP5 on a sling.

As to avoiding hassles, If you are passing through a non machine gun state, don't stop at your cousin Vinnie's place and shoot them off. Sure as a bear will go in buckwheat, or a well water shower will wake you up, something will happen and the police will end up finding out and confiscate your guns. Now, you won't have the "just passing through" excuse.

Please, no more talk of bargaining with the Anti-gunners. If they pass the Brady bill, let's put all of our efforts into a constitutional battle in the supreme court. No prisoners.

Q I am sending you a copy of Tennessee Constitution on keeping and bearing arms. Sure did surprise me. I have written our Tennessee law makers and sent them a copy - especially Gore. Encourage your readers in other states to do the same. I am tired of all this anti-gun crap - our constitutions say what they say and that's it.

Sincerely,

Charles

A From the Tennessee constitution:

Sec. 26. Right to Bear arms - Regulations - That the citizens of this State have a right to keep and to bear arms for their common

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defense; but the Legislature shall have power, by law, to regulate the wearing of arms with a view to prevent crime.

Notes to Decisions

Application and Scope.

It is the constitutional right of every citizen to keep and to bear army weapons in times of peace, to purchase them, to provide himself with ammunition, to keep his arms in order and repair, to practice their use and become familiar with their use, so that he may more efficiently use them in time of war, to use them for all ordinary purposes, and all the ordinary modes usual in the country and to which such arms are adapted, limited by the duties of a good citizen in time of peace. *Andrews v. State* 15-4 (1840); *Andrews v. Tenn.* 165 (1871); *Porter v. State* 106 (1874).

2. "Arms" Defined

Arms in the sense of this constitutional right to keep and to bear arms are the weapons which soldiers use in warfare, such as swords, muskets, rifles of all kinds, shotguns and army and navy pistols. *Aymette v. Stae* 21 Tenn. 154 (1840); *Andrews v. State*, 50 Tenn. 185 (1871); *Porter v. State*, 66 Tenn. 106 (1874)

3. Keeping Arms

This provision, giving the legislature the power to regulate the wearing of arms, does give it the power to infringe or forbid the keeping of arms. *Burks v. State*, 162 Tenn. 406. 36 S.W. 2d 892 (1931)

I love it when they talk that way. Coming from New Hampshire, with the Live Free or Die motto, I get goose bumps when I hear the rights we have laid out, plain and simple. If the founding fathers were here today, it would be nice to hear them explain that the second amendment has nothing to do with "sporting arms". The intention was for the People- the Militia- to always be as well armed as any standing army, foreign or domestic. They did not intend for the farmers to have swords and pikes, and the U.S. Army to have rifles, any more than the present militia, meaning all of the free men, to have shotguns and bolt actions while the standing regular army has automatic rifles. Our danger is in people being so complacent that they ignore this last of all of the checks and balances because "it can't happen here". Crap. 100 million firearms in the hands of Free men and women is the light in the eye of the social reformers who want to redesign our free society.

Machine Gun News is as much about freedom as it is about shooting subarus in a pit, or fondling museum pieces. We try not to get too high on the soapbox, but let's not back off from what needs to be said, either.

Thanks for the good words, Tennessee friend.

Q I am a California resident (blushing embarrassment) but have a Class 3 dealer's license and business in Arizona without D.D. May I purchase any destructive devices as an individual, keeping them legally at my Arizona business address?

It is my understanding that the Special Occupational Tax for a destructive devices permit is \$1,000 annually and that three full year's tax must be paid in advance.

I have also heard from two Reasonably Knowledgeable Individuals that California citizens may obtain a special permit for destructive devices. Do you have any information on the process or forms necessary to obtain such?

Keep up the good work. I look forward to reading my copy of your *Machine Gun Dealers Bible*.

Anonymous

A Your business in Arizona may purchase a D.D. on a form 4. But, having the type 9 license is lots more fun, and you will make sales. Think of all the neat cannon and mortars there are, let alone grenade launchers and bazookas. There are definitely customers out there, if you have the time to get to them. That \$3000 up front for three years worth of license is quite a kick, though, and keeps a lot of potential dealers out of it. I'd do the business license if I were in your shoes, but I'm not. As far as DD's in CA, there is a procedure to get a D.D. license. The California Department of Justice Regulates state licensing, and if you jump through their hoops, you go to the Federal government for the appropriate license there. Good Luck!

Q We did no business on Class III and called twice for the form for a refund. To date we have not received them.

What forms do we need and who do we write to for them?

The Tobacco and Firearms section in PA isn't doing us any good.

Thanking you for your kind consideration to this request.

G. M.

A The special occupational tax is not refundable, and especially not contingent on whether you did any business. It is only allowing you the privilege of doing business in NFA firearms. Sorry about that.

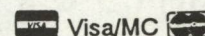
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August 23-25	NH	North Country Shoot & Gunshow. Minute Man Shooting Club. For further information concerning lodging, campgrounds, restaurants, airports and directions write to: North Country Shoot, P.O. Box 357 New Boston, New Hampshire 03070 or call: (603) 487-3884.
Sept. 7 & 8	OR	Albany Rifle & Pistol Club will host a 2 day shoot. Activities include matches for sub-machinegun, assault rifle, and crew served firearms, with fun shooting between matches. Plaques will be awarded to match winners. Overnight camping permitted. 110 Cedar Dr. Lebanon, OR 97355. Bill (503) 982-4741 or Dick (503) 258-6811.
Sept. 14 & 15	ID	Fourth Annual Idaho State Submachine Gun Championship. Parma Rod & Gun Club Range, off U.S. 95 north of Parma. Time and details to be announced. Member and non-member competitors and spectators welcome! For more information contact: IAWCA, PO Box 7741, Boise, Idaho 83707.
Sept. 18-22	NV	S.O.F. Convention and Expo. Sahara Hotel, Las Vegas, Nevada. S.O.F. World Championship 3-Gun Tactical Match, Desert Sportsman Range, Las Vegas, Nevada. For further details write to: SOF Convention. P.O. Box 693. Boulder, CO 80306.
October 5	ID	Fall Fun Shoot. Parma Rod & Gun Club Range, off U.S. 95 north of Parma. Member and non-member competitors and spectators welcome! For more information contact: IAWCA, P.O. Box 7741 Boise, ID 83707-1741.
October 5	NH	One Day Machine Gun Shoot and Show. For more information write: Minuteman Shooting Club. P.O. Box 357. New Boston, New Hampshire 03070 or call: (603) 487-3884.
October 5 & 6	AR	The Mid-South Machine Gun Shoot Plus. The Farm Gun Range. Machinegun Shoot plus Civil War re-enactments, 1840's Rendevous, Marine Corps display more... For more information call: (501) 525-0462. Or write: The Farm, 421 Lee Warren Lane, Hot Springs National Park, Arkansas 71913.
October 6	CO	Colorado Subgun Shoot. Subgun competition with numerous stages to test the skills of the shooter in various situations. Awards and prizes. For further information write: Colorado Subgun Shoot, P.O. Box 36 Grenada, CO 81041 or call: (719) 734-5462.
October 11-13	KY	Knob Creek Machine Gun Shoot & Military Gun Show. The nation's largest. Located just south of Louisville. Gun show, matches, camping and more. For details write: Knob Creek Gun Range. 690 Ritchey Lane. Westpoint, KY 40177 or call: (502) 922-4457.
October 11-13	KY	Range Officers Training Course. NFA Sponsored. Fee \$25. Classroom instruction will be at the Best Western Motel in Shepardsville, KY. The practical portion will be held at Knob Creek Range. Specifics can be obtained by writing to: Knob Creek Range, Attn: NFA RO Course, Rt 1 Box 85C, West Point, KY 40177.
October 19	FL	Fun Match. Port Malabar Rifle and Pistol Club. Located in Malabar, Florida just off Florida State Road 514. Gunsmith, ammo, motel, restaurant and other support services are located within a few miles of the range. For more information write to: Sports International, Inc. P.O. Box 458, Palm Bay FL 32906-0458.
November 3	FL	Turkey Shoot. Port Malabar Rifle and Pistol Club. Located in Malabar, Florida just off Florida State Road 514. Gunsmith, ammo, motel, restaurant and other support services are located within a few miles of the range. For more information write to: Sports International, Inc. P.O. Box 458, Palm Bay FL 32906-0458.
December 8	FL	Club Record Match. Port Malabar Rifle and Pistol Club. Located in Malabar, Florida just off Florida State Road 514. Gunsmith, ammo, motel, restaurant and other support services are located within a few miles of the range. For more information write to: Sports International, Inc. P.O. Box 458, Palm Bay FL 32906-0458.
December 22	FL	Fun Match. Port Malabar Rifle and Pistol Club. Located in Malabar, Florida just off Florida State Road 514. Gunsmith, ammo, motel, restaurant and other support services are located within a few miles of the range. For more information write to: Sports International, Inc. P.O. Box 458, Palm Bay FL 32906-0458.
First Saturday	NC	Triad Action Shooters Klub. Machine Gun Match held the first Saturday of every month. Match fee is \$10. Non-member competitors are welcome. For more information write: Triad Action Shooters Klub, P.O. Box 368, Sophia, North Carolina (919) 475-6046.
Second Sunday	OR	The Albany Rifle & Pistol Club holds sub-machinegun (pistol calibers only) matches on the second Sunday of every month at 10 a.m. Shooters Fee is \$5. Non-Club members are welcome at all of our events. For more information write: 110 Cedar Dr. Lebanon, OR 97355. Or call: Bill (503) 982-4741 or Dick (503) 258-6811.
First & Third Weekend	FL	The Port Malabar Rifle and Pistol Club, Inc. Conducts full-auto events on the first and third weekends of each month. Unless otherwise specified, the first weekend is practice and the third Sunday is a match. For more information write to Sports International, Inc. P.O. Box 458, Palm Bay, FL 32906-0458.

Archive Photo of the Month

From the Robert Bruce Collection



West Germany, January 1979, REFORGER Maneuvers.

During a lull in war games action, the commander of a Bundeswehr Leopard tank relaxes with his MG3 7.62mm GPMG in turret pintle mount. A slightly modified NATO caliber version of the revolutionary WW2 German MG 42, the MG3 still soldiers on with many nations in Europe, the Middle East, and other points around the globe. Note the one piece "bulleted" plastic blanks in non-disintegrating DM1 links. Credit: Robert Bruce. Negative ID: MG3/Leopard. Copyright © 1991 Robert Bruce.

Editor's Note: Prints of this and many other historical auto weapon action photos are available by special arrangement with Robert Bruce Photography, P.O. Box 482M, Sandston, VA 23150. Send \$1 for details. Robert is also seeking foreign-language manuals, sales brochures, etc. for auto weapons from 1900 to the present.

Classified Advertising

M1 Carbine Collectors Association. Monthly journal, technical information & assistance, collectors data, product testing, advertising, member services, publications. \$20 U.S. yearly dues, or send SASE for more information to: M1-CCA, P.O. Box 4895, Stateline, NV 89449.(xsept)

HK AUTHORIZED DEALER Original 40 round aluminum .223 magazines \$70. Original .22LR G3 conversion units \$450. Other HK items in stock. Smalley's Guns Unlimited, 170 George Jr Rd, Grove City PA 16127 (412) 458-8188 (10-5 EST) (oct)

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MGN magazines wanted. Will pay top price for MGN back issues from 1987 Vol. 1 #1 April thru #7, 1988 Vol. 1 #10 Jan., Vol. 2 #8 Nov. 1989 Vol. 2 #10 Jan thru #12 Mar., Vol. 3 #2 May. Datal Industries, 1646 Nineteenth st. Santa Monica, CA 90404-3887. (213) 829-4421. (xoct)

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Tracers, reload your own (as described in the December 1986 issue of Soldier of Fortune). Military type, red, green, white or amber burning tracer, any caliber. Step by step instructions. Includes detailed drawing, bullet preparation, reloading instructions. \$5.00 T. Tyler, Box 2700, Dept M, Huntington Beach, CA 92647.(xnov)

All NIB: MP5A3 \$2800, MP5A3SD \$3450, MP5K \$2000, HK33 \$2650, HK53 \$3050 - All HK's by S & H; M10 (PS) \$1000 & MK760 \$750. EX. RR Colt AR15A1 \$1600. Call John (713) 474-3308. (xfeb92)

Are you earning \$200,000 a year? If not, you should be reading "The Video Marketing Letter" Call 1-501-321-1845 for a free sample.

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Mail to:

MGN, Classifieds, PO Box 761, Hot Springs, AR 71902

Closing Date - 7th of the month

Stoner 63A parts, accessories, literature, information, memorabilia needed. Jerry 217/826-2919 (xmy92)

Machine Gun Belt linkers MG-42/44, 1919, 1917, M60 RPD, 223 \$125 each, 15 round capacity. We have 30 round capacity models at \$190 each. Will Trade for ammo or parts add 5% shipping. Hahn Machine Co. 3101 Sussex, St. Charles, MO 63301. 314-946-9567. (xnov)

Thompson SMGs: WWII & current: 28's; M1's; M1A1's/ Bridgeport, Savage, Hurley. Used & NIB: sell/buy/trade. Call or write for my current list and/or trade offering. F.D.S., P.O. Box 292156, Lewisville, TX. 75029-2156. (214)539-8096. (xsept)

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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)

Rare Pre-86 H&K G3-SG/1, Wooden Cased Automatic Sniper Rifle System, Zeiss 1.5 x 6 Scope, Match Barrel, Adjustable Buttstock, Adj. Set Trigger, Like New \$5250. (Consecutive numbers available) Transferable: Original Military Armament M-10 (9mm) 98% \$850. Rare P.A.W.S. 2 x 7 (45 ACP) 1 of 85 Mfrg. 99% \$2,100. Trades considered. Cash for all H&K weapons. All NFA rules apply. Dianeco Arms 1-800-582-9180 (xOct)

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

"Need an M2HB 50 cal or Aircraft or Thompson replica for your vehicle or plane?" Higher quality and lower priced 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 (sept)

Visit American Armoured Foundation, Inc. Tank and Ordnance War Memorial Museum, Mattituck, Ny. At AAF we buy, sell, trade tanks, cannons, and M-G's of all types. Open every Sunday from 10:30 - 4:00. Donations are Tax Deductible. Call 516-588-0033 (xmar92)

Original Pre-Auction Military Armament Corporation M-10's .45 ACP, Consecutive Serial # set (1-3007739, 1-3007740) 100% NIB \$895 each or \$1750 for set. Call 409-962-2722.(xdec)

H & K 21/51B Owners! We have just acquired a small quantity of original, unissued 50 round belts made in Portugal. Price is \$5.00 each with one free starter tab with each 5 belts purchased. Money orders only. Buyer pays shipping. Recon Ordnance Company, P.O. Box 829, Fondulac, WI 54935 (414) 922-1515 (xsept)

Classified Advertising

AK47 Romanian Front Vertical Fore Grip laminated wood will fit any AK47 \$100.00 215-638-1188. (jxsept)

Colt 20 rd mags 5 for \$35. ppd. Carbine dust covers \$12.00 per 100 ppd. Wanted .223 drum mags. Walt. P.O. Box 392, Watervliet, NY 12149. (jxdec)

BM59, std model, RIA, transferable, used ex. cond, \$1500. Pre 86 Dealer guns, one Belgian FN FAL receiver built on new SAR48 parts kit, beauty \$1250, one Madsen 9mm sub MG, average cond. \$500 Post 86 dealer XM15 A1, one of a kind \$500. Rock Island Armory 309-944-6950. (xaug) (xoct)

MG-34 Pre May, dated 1945, extra barrel, \$1800. Bren gun mount with 34 adapter, \$200. Buy both, get two original ammo can with belts. SWD 12 ga "Rogue" shotgun, \$300. All NFA rules apply. 409-778-5326 eve. (x)

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K760, \$750.00, SWD M11 \$550.00, both new in the box and transferable. Eve. 203-443-7370.

1991 Hill Country Machine Gun Shoot T-Shirts. Guns featured on shirt. Front - MG42. Back M-3 Grease Gun. XXL \$18.00, XL, L, M \$15.00, Child 10-12 \$10.00. Add \$1.75 per shirt for postage. Send M.O. to Kay English, Box 6511, San Antonio, TX 78209. (xsept)

M-3 Grease Gun \$1600. M-50 Reising \$500, KG-9 \$775., .22 Cal. 1928 Thompson \$1550, Thompson PD Case \$475, All NFA Rules Apply. Kay 512-824-8240, 512-648-8240. (xsept)

Chinese AKS by DLO select fire Folding Stock. Test fired only absolutely mint. With 6 mags and drum. \$1875. Peter (203) 661-6287

Wanted: Browning 1917A1, I need someone to build a Legal Semi-Auto 1917 A1 with my parts kit, complete, except side plates. Also interested in accessories. Mark (213) 643-9755 after 5 p.m. PST. (oct)

Ballistics transferable S.M.G. UZI registered receiver conversion accomplished entirely with genuine IMI SMG parts. New in hard case. \$1,995. Will trade for pre 86 HK MP5 if 98% or better. IMI & HK mg parts available. Smalley's Guns Unlimited 412-458-8188.

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IBM compatible computers to trade towards Pre '86 sample and transferable machine guns. All trades considered. Also, reasonable transfers to Maine residents. Call Michael at First Class Guns (207) 872-7824 (xaug92)

Boycott Canada. Canada has imported British Gun control (confiscation) into North America. North America gun owners must do to Canada what the Soviet Union did to the German 6th army at Stalingrad, send them reeling back in defeat. The 70 million U.S. gun owners need a major victory against the gun grabbers, the line is now drawn, no more gun control in North America. Make Canada off limits. Boycott all Canadian goods, don't purchase Canadian built G.M., Ford or Chrysler cars or trucks, make sure they are U.S. built. If you can spare a few dollars, run this ad in your local newspaper, market papers etc. If you want a copy of the back ground, send 20 cents and L.S.A.S.E. to Boycott Canada, 107 Pine Ave, Mt. Dora, Florida 32757. Ed Brennan St. Thomas, Ontario Canada. (x)

Wanted: Bolt for German MP 3008 (German Sten gun). Call Mike at 412-864-6664.

Pre May 19th Dealer Sample UZI SMG. Early Action Arms import in excellent condition with original box and all accessories. Nice Keeper \$1500. Call Len (713) 496-5156 evenings. (x)

Wanted for PRC AK47: Original Sling - Premay Bring Back. Also, any Vietnam Era AK Parts, Alan Clough (D) 901-452-1940 (N) 901-753-0106. (x)

Wanted: Complete Bipod for Browning 1919 A-6. Bolts or complete conversion kits for UZI full auto in 45 and 22 cal. Call or write John. (208) 772-7047, P.O. Box 2403, Hayden Lake, ID. 83835.

Wanted for Personal Library. Ruger Pistol Exotic Weapons System By Duncan Long (Paladin Press). MGN Back Issues: Up to April 89, May, Aug, Sept, Nov, Dec 89. Photocopies of Book or Magazines Welcome. Please call Brent (419) 592-4077 Evenings.

Machineguns - Suppressors Colt M16's, Thompson's, MAC's, AUG's, HK's, S&W76's. All Registered Receivers SAR-48 PARA SF-1000 First Gun NIB, I.O.G. 9mm SMG #24 Last Gun, MAC 9mm Adjustable Sights, Keepable Samples: Browning M37, Galil SAR, FN-FAL, UZI Dater Suppressors 512-349-7884 No Junk! (-sep x nov)

AWC Suppressors: Full line stocking dealer. Class III & Law Enforcement call for pricing! Ohio Residents Welcome, MK9/MK9A \$465, Amphibian Suppressed Ruger MKII \$935, Same Installed on your Ruger MK II \$705, Ultra suppressed Ruger 77/22 \$775, Call/Fax Frank Anytime (216) 943-2551.

Linkloaders - M-60 1919 223 MG-42 - 1917 and others. 15 round linker \$125. 30 round \$190. Freight please. Will trade for parts kits or ammo. Hahn Machine Co., 3101 Sussex, St. Charles, MO 63301. 1-314-946-9567. (xoct)

Gun Owners: Attention Free Membership in a people's people lobby. Politicians only understand numbers. Big numbers. Send your name, address & city on a postcard to: Freedom & Justice Foundation, 3512 Fieldstone Dr., W. Homestead, PA 15120.

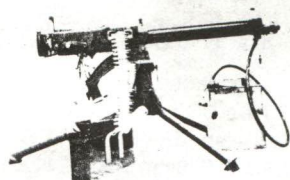
Semi/Full Auto AK-47, Norinco Chinese, Downfolder, Sling, 1-70 Rnd & 4-30 Rnd Mags, 1100 Rnds, Papers, Exceptional, 50% Down/50% Bal COD, Down Nonrefundable if Criminal record problem, \$2500 for all, INH, 1-602-941-6855. (x)

Arkansas now has a gun range with machine gun rentals. Located at Hot Springs National Park. Come and visit. The Farm, Inc. Gun Range (501) 525-0462 NFA transfers to individuals (xsept)

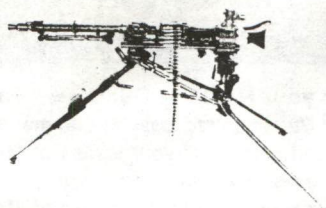
Assembling collection of suppressor plans, parts suppliers, manufacturers, etc. All will be made available at no cost when compiled. Any related information welcome. Watch for ad in Machine Gun News. Seaton, 664 Sam Houston Rd. Maryville, TN 37804.

24 (22 x 14) Receiver Blueprints Super quality Cad drafted BMG, BAR, Yugo, Thompson, Vickers, Madsen, Owens, Austen, Sten, Reising PSH41, Lanchester, Beretta, M37, MP, MAC, M60, UDM42, 180. \$75. shipping included. Mellant Palo 24 Dreahook Rd., Whitehouse Station, NJ 08889, (908) 534-9738

VIDEOS: U.S. Army training films covering World War Two weapons! Many machine gun titles available. Send for FREE list. Vintage Video, P.O. Box 551MG, Greencastle, PA 17225 (xsept)



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German MG15 Barre & Bolt, 1921 Thompson Parts Kit, M1A1 Thompson Parts Kit, Lewis Gun Parts Kits MG42 Parts Kits.

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I will purchase any quantity of live or dewat machineguns
Premium Paid for Premium Guns.

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M-60!

Bolts: New, stripped	\$ 45.00
Op Rods: New E-3 (Double Sear Notch)	\$ 80.00
Sear: New	\$ 12.00
Barrel: New, Stripped	\$160.00
Trigger Housing: New, Stripped	\$ 65.00

AR-15, M-16!

Barrel: New, Chrome Lined, G.I. 20"	\$130.00
Bolt: New, Complete	\$ 40.00
Bolt Carrier: New, Stripped	\$ 55.00
Carrier Key: New, G.I.	\$ 10.00
Firing Pin: New, G.I.	\$ 6.00
Buffer Tube: Excellent, G.I.	\$ 24.00
Handguards: New, Colt E-2 (round)	\$ 25.00
Mag Catch Button: Metal	\$ 5.00
Trigger Guard: Metal	\$ 5.00

M-1 Garand!

Barrel: M-10, New	\$300.00
Front Handguard: New, Birch	\$ 22.00
Op Rod Spring: New	\$ 6.00
Trigger Housing: New, Stripped..WRA	\$ 30.00
H&R \$28.00, IHC \$28.00, SA \$18.00	

M-1 Carbine!

Barrel: Excellent (non import)	\$100.00
Bolt: Flat, Complete	\$ 50.00
Barrel Band: Type 1 (Narrow)	\$ 25.00
Type 2 (Wider)	\$ 15.00
Type 3 (Bayonet lug)	\$ 15.00
Disconnecter Block: New	\$ 15.00
Trigger Housing: Excellent, Stripped	\$ 40.00
Slide: Excellent	\$ 40.00
Flip Sight: Excellent	\$ 45.00
Push Safety: Excellent	\$ 10.00

Shipping Extra on All Items. C.O.D.s welcome as well as Visa and M/C. Send for Free Catalog!

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Miscellaneous!

M-5 Bipod for 60mm Mortar	\$250.00
50 B.M.G. Stellite Barrel, New	\$400.00
30 B.M.G. A-4 Barrel, Excellent	\$ 70.00
30 B.M.G. A-4 Bolt, New Stripped	\$ 60.00
30 B.M.G. Carry Handle, New	\$ 20.00
B.A.R. Barrel, New	\$ 60.00
B.A.R. Bipod, Excellent	\$ 65.00
M-60 C Barrel, New	\$200.00
M-79 Barrel, New	\$165.00
M-203 Barrel, Excellent	\$135.00
50 B.M.G., M-3 Barrel Jacket	\$125.00
AN-M2 Barrel, Excellent	\$ 80.00
M8-A1 Scabbard, Excellent	\$ 8.00

Magazines!

AR-15:	20 Round Colt, Excellent	\$ 8.00
	30 Round G.I. Excellent	\$ 8.00
	30 Round Israeli Nylon	\$ 8.00
Mini-14	20 Round, Blue	\$ 14.00
	30 Round, Blue	\$ 19.00
M-14:	20 Round, G.I. Excellent	\$ 8.00
AK-47:	5 Round, Chinese, New	\$ 18.00
	30 Round, Chinese, New	\$ 16.00
	40 Round, Russian, New	\$ 35.00
	75 Rnd drum, Russian, New	\$110.00
H&K-91:	20 Round, Steel, New	\$ 20.00
H&K-94:	35 Round, New	\$ 35.00
M-1 Carbine:	5rd, Commercial	\$ 6.00
	15Rd, G.I., Excellent	\$ 2.50
	30 Rd, Commercial	\$ 7.00
	30Rd. G.I. (Korean War)	\$ 11.00

Classified Advertising

Browning 380, 5-13 Rnd Clips, 100 Rnds, 3 holsters, hip car, shoulder, Exceptional, INH 1-602-941-6855, \$90 COD (x)

HK BENELLI M1 Super 90 Semi-Automatic Entry Shotgun with 14 inch barrel and pistol grip stock \$950; Rare HK Lower Receivers: Single Fire and 3 Shot Burst only ambidextrous lower \$800, 0-1-25 Teardrop Lower for 33/33K/53 \$475, G3 Lower with markings (Safe, SA, FA) there are only about 30 of these known to exist! \$450, RARE HK21 Anti-Aircraft Rear Sight (attaches to top of rear bipod mount) \$450; German HK or British Royal Ordnance MP5 3 Lug Barrels \$250; HK 91/G3 Polygon Barrel \$400; HK33 (Original 15.35 inch length) Polygon Barrel \$475; HK33 Original (3 inch long) Flash Suppressor \$45; HK PSG1 Forearm \$175; Complete German HK G3 bolt Carriers \$65; HK 91/G3 Firing Pins w/Springs \$25; Rare HK G3 Headspace Gauges (made in 1960) \$25; Laser Products 3 Volt Tactical Light and Forearm \$165; MP5K Vertical Foregrips \$35; HK MP5K Endcaps \$95; HK MP5 and MP5K Recoil Rod Assemblies \$70; Accura Technology Corporation Muzzle Stabilizer and adapter for HK MP5 w/3 Lug Barrel \$90; HK MP5 Blank Firing Attachment \$85; HK MP5, 33 or G3 Manuals \$20. Also Available: Internal Parts-Lower Receivers-Bolt Carriers - Accessories. German HK Machine Guns - Submachine Guns available for Law Enforcement Agencies. ALL NFA RULES APPLY. Wanted-Wanted All HK Parts!!! NEW ADDRESS: Tactical Rescue Equipment, Ltd., 1015 Atlantic Blvd. Suite 302, Atlantic Beach, FL 32233. Phone (904) 246-4119. FAX (904) 247-8334. Offering the Finest in Manufacturing, Consulting, Sales and Training of Specialized Weapons and Equipment! Call/Write/ FAX for Free Catalog! We Accept Visa, Mastercard, Amex, Carte Blanche and Diner's Club!(xnov)

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Machine Gun News - September 1991

NEW ITEM!

MP-5 Front Assault Grip

Don't miss out on this excellent seller! Designed for the H&K SP89 Machine guns. Dealers call for price and quantity discounts. **ONLY \$39.95**

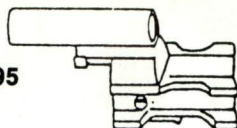


H&K MPS SEF Plastic Lower - New plastic lower and selector switch **ONLY \$119.95**

H&K Bolt Carrier (New) **ONLY 199.95**

SPECIAL! H&K MPS SEF

Plastic lower, selector, and MPS Bolt Carrier **only \$259.95**



G-3 Stock Upgrade Assembly - Upgrade your G-3 rifle with this deluxe set. Upgrade assy. includes green military style plastic stock, green pistol grip, and new flash hider. You won't believe our price!

Limited Supply

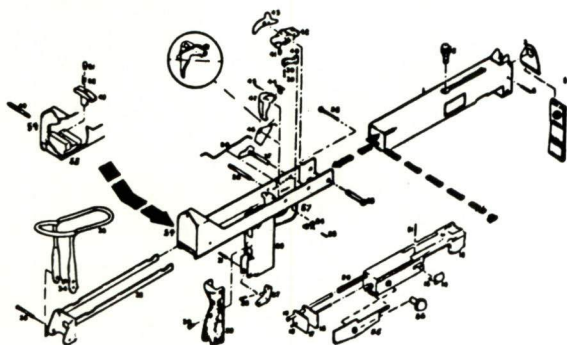
G-3 Stock Upgrade Assembly only \$55.00 complete

MP-5K or SP89 30rd Mags - 26.95 each

G-3 20rd Steel Mags - 19.95 each

G-3 20rd light weight Alum Mags - 24.95 each

M11/9 SMG Complete Replacement Parts Set



Are you having trouble finding spare parts for your M11/9 Sub-gun? RPB is selling a complete replacement parts set (minus barrel and lower receiver) to qualified buyers.

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New Item! AK Trigger Rate Reducer - Unique hammer delay system allows for controlled fire. **RARE only 89.95**

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RPB has a limited quantity of Threaded Sten barrels. Thread size allows you to use M11/9 accessories on your Sten gun!

Threaded Sten Bbls - only 35.00

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MWG 90rd AR-15 Mag **only 44.95**

MWG 90rd Mini 14 Mag **only 44.95**

.22 Cal. Threaded Barrels

Pending Legislation would prohibit the sale of threaded barrels! **Buy It Now — It Might Be Your Last Chance!**



.22 Beretta Minx Bbl 44.95

.25 Beretta Jetfire Bbl 44.95

.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

.22 AR-7 8" Barrel (Pistol Only) 39.95

.22 Fake Suppressor 14.95

10/22 or 1/2x20 Thread Protectors 5.95

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Thread Protectors for any of the above barrels are **only 5.95**

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NOTICE: RPB sells only replacement or spare parts for registered machineguns. We do not sell conversion parts. Federal Law prohibits an individual from converting a semi-automatic weapon to a full-auto fire.

Fleming Firearms, Inc.

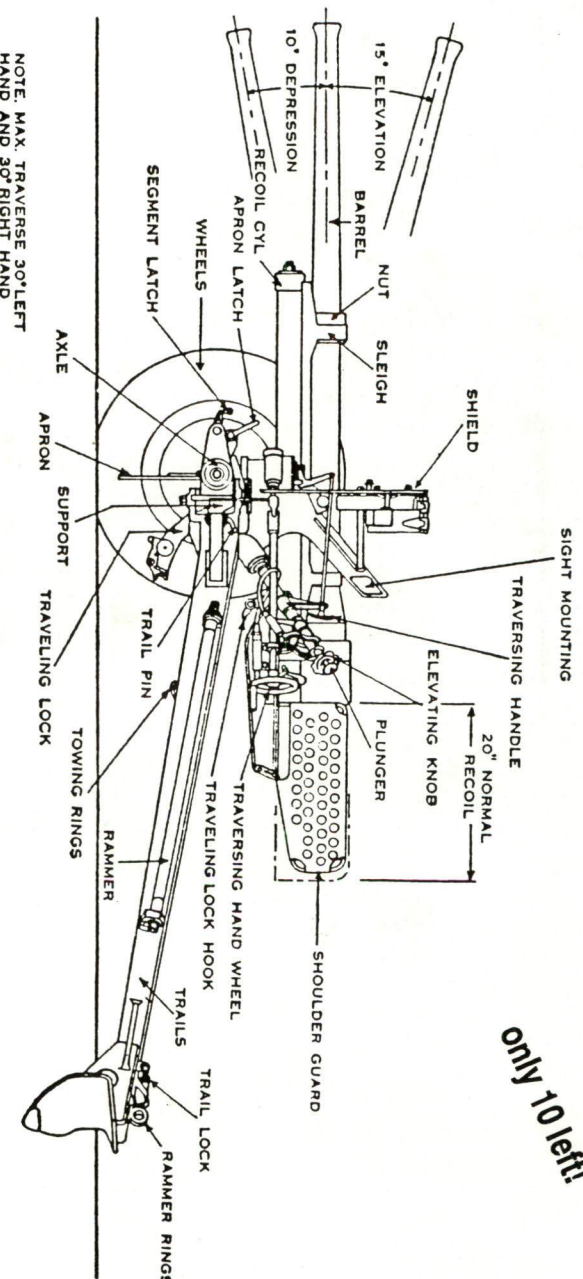
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only 10 left!

These 37mm Antitank guns were found in near perfect condition. They are in need of new paint, but have NO rust. Truly amazing after 50 years!

These guns are minus the breech ring, but are otherwise complete. All components of the breech ring are included.

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37-MM GUN, ANTITANK, M4

75-mm Sherman Tank guns

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