

# Machine Gun News

**C&S  
Metall-Werkes  
MP5 Drum**

**Sturmgewehr 44**

**The AK  
"Rate Reducer"**

The Care and Feeding of  
**SUPPRESSORS**





# LONG MOUNTAIN OUTFITTERS



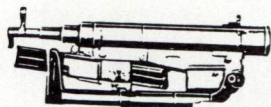
**Extra Magazines**  
**32rd.**  
**\$25 ea**  
**10/\$200**  
**Original**  
**Cloth Sling \$12**

**Some**  
**Post 86 Dealer**  
**Samples**  
**By Stan**

## FOLDING MACHINE GUN PARTS KITS!!!

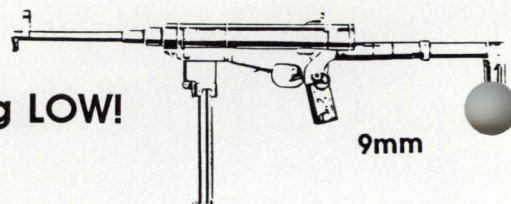
The Hotchkiss Universal was the French answer to all of the WWII SMG problems. These were 1949 models-same year as the MAT-49, and saw extensive use in Vietnam with French Special Forces. These are from the Moroccan Elite Troops, who just recently traded them in for 3rd generation sub-guns. Not only does the stock fold, but the mag well and the pistol grip do also. The magazine locks to the receiver, and the barrel retracts!!!!

### HOTCHKISS "UNIVERSAL" PARTS KITS



**\$250. ea**

**Hotchkiss kits supply running LOW!**  
**Only 20 left.**

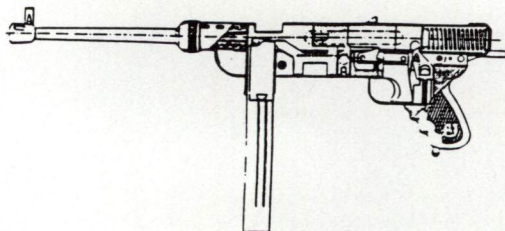


## Sola Super 9mm Submachine Gun Parts Kits:

The Sola Super series of submachine guns were manufactured in Luxembourg in the mid 1950's. Our parts kits are in virtually new condition, and were purchased from the original North African user. We cut them and removed the parts ourselves, as with the Hotchkiss Universals. Sola Supers are a very interesting variation of the standard tube receiver SMG, with a long receiver and wire stock that has separate notches for different lengths of extension. The cycle rate is an optimum 550 rpm. Class 2 manufacturers should consider these to make samples for law enforcement demo and use, and collectors might ask permission from NFA to assemble them on a registered tube. These will make beautiful non-functioning wall hangers for display. One mag per kit, extra mags available.

Sola Super parts kits: ~~\$195~~ SPECIAL!  
\$150 ea or 3 for \$125 ea  
Supply is Limited  
Extra Magazines - \$35 ea

No magazines shipped to New Jersey.



P.O. Box 45, Harmony, ME 04942  
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FAX (207) 683-2172  
Class 10





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

#### Advertising rates

If you'd like to advertise in Machine Gun News contact us for specifications and display advertising rates.

#### Contributions

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

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# MACHINE GUN NEWS

Volume 6 Number 12

May 1993



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On the Cover: Chris Choat fires an MP-5 equipped with the C&S 72-round drum. Photo © 1993 Trevor Choat

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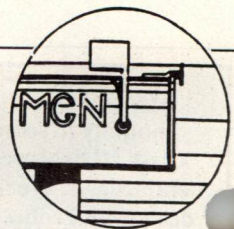
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# Incoming



## FIREARMS COALITION OF COLORADO

We won one. The "Assault Weapons Ban" that has been in effect in Denver, Colorado, since November 6, 1989, has been declared unconstitutional. The law was written after a cocaine-crazed madman killed two people and wounded many others with a stolen, selective-fire, MAC-11. That the man had been through the revolving door of justice many times and was being sought by the police for other crimes is another story.

It is obvious that when Councilwoman Cathy Reynolds was drafting the ordinance, she used the Gun Digest or another similar annual as her reference, and merely picked out those guns that were black and menacing. The M-1A and Mini-14 were exempted, but such exotic firearms as the Beretta AR-70 and the Heckler and Koch PSG-1, were among named firearms banned.

During public hearings prior to the enactment of the ordinance, hundreds of pro-gunners packed the Denver city and County Building. Only a handful of people showed up to support the ordinance. Most council members were obviously bored, their minds made up well in advance. Some even slept. Among the most effective pro-gun speakers that night was Mr. Roy Innis of CORE, who will hopefully be on the NRA board soon.

Now, after two years and four months of anxiety, we are free again. We owe a debt of thanks to Colorado State Attorney General Gail Norton, the Firearms Coalition of Colorado, former Assistant AG David Kopel, Attorney Ralph Rhodes, the National Rifle Association, and to the four individuals who brought the suit against the city.

In his 30 page ruling, Judge Michael Mullins pointed out that the law was vague in its wording, and that it was not understandable to the average citizen. He said that a person would have to be a firearms expert to understand the law. The law was declared unconstitutional on the grounds that "it precludes constitutionally protected conduct". That is, it prohibited a person from using such a weapon in defense of self, property, or home.

The news media's tone when reporting the judge's ruling was funereal, to say the

least. They quickly pointed out that some gangbangers had recently killed each other with another MAC-11. Funny, but didn't that happen when the law was in effect?

We won this one, but it took the time and money of a lot of good people. Cathy Reynolds is already consulting with the city attorney to draft a new law. Several gun control measures are lurking in the Colorado State House. President Slick Willie has repeatedly stated that the public has no need for Uzis and AK-47s.

Bill Hall

## APPRECIATE MGN

Just a note to say that I appreciate your forum Scattered Shots. In the Feb '93 issue, the Free gunshow entry/NRA promo was an excellent idea, and well worth passing on to the rest of the free world.

I also wanted to say that your piece on the ADPA Small Arms Conference was especially well written. I am very interested in FN's P90, and would like to see an even greater coverage of this fascinating PDW concept in the months to come.

M. W.

## OEFINGER INTERVIEW

I read with great interest the March 1993 article "An Interview with Douglas L. Oefinger".

I live in a city where no Class III firearms or semi-automatic paramilitary rifles can be sold. I would gladly contribute \$10 or more to Mr. Oefinger's cause to gain back some of my lost rights. If each subscriber to MGN could contribute the same, he could have ample money to fund his case. Should we send our money directly to Mr. Oefinger?

United We Stand,  
David K.

*Thank you for your interest in contributing to Mr. Oefinger's legal fund. At the moment Mr. Oefinger would prefer that people who are interested in contributing to his legal fund just send their name and phone number and/or address to him for future need. We will have another article concerning Mr Oefinger in the next issue.*

Mr. Douglas Oefinger

415 Howe Ave., Shelton, CT 06484

We appreciate your comments and suggestions. please mail them to:

Incoming, P. O. Box 759,  
Hot Springs, AR 71902

Machine Gun News - May 1993



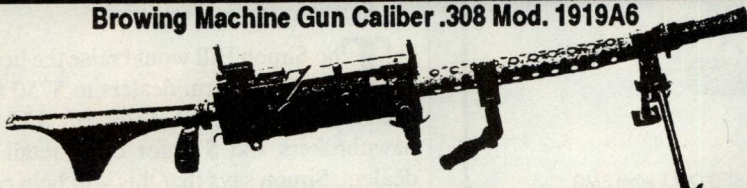
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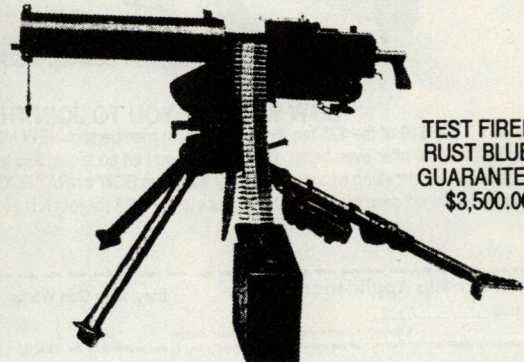
Please Include Shipping With Order! • Returns To Be Made Within 10 Days

## Browning Machine Gun Caliber .308 Mod. 1919A6



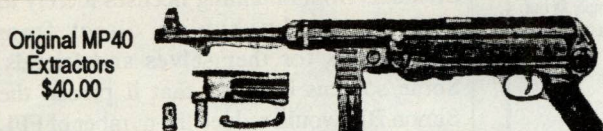
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Complete 1917A1 Parts Set with  
Tripod and fully transferable registered  
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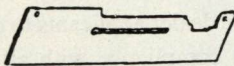
Original MP40  
Extractors  
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Repair Kit  
New safety handle,  
(push-pull), spring, ball  
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Good Serviceable Magazines ..... \$ 30.00  
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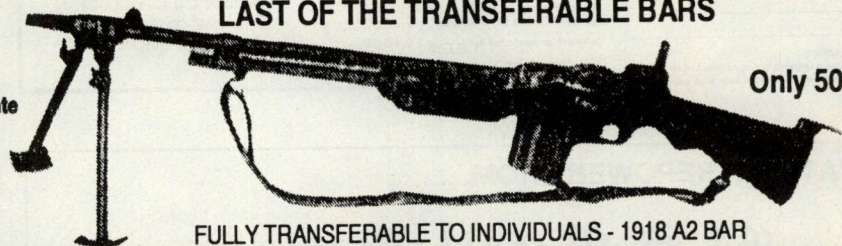


1919A4-17A1 Registered, Transferable Right Side Plate  
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## Quality Machine Gun Complete Parts Sets

M2 50 Cal. HB Less Right Side Plate \$1750  
ANM2 30 cal. Browning Orig. Comp. \$ 950  
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ANM2 Spade Grips Front & Rear  
Ground Sights ..... \$ 550  
ANM2 .308 Conversion Parts Set ... \$ 550  
MP41 Orig. German WWII Issue ... \$ 285  
M3A1 ..... \$ 185  
M1A1 Thompson US GI ..... \$ 385  
MAT 49 ..... \$ 250  
MAS 38 ..... \$ 350  
Italian WWII Breda Model 30 6.5 ... \$ 550  
Beretta Model 38/44 ..... \$ 135  
Swedish K Port Siad ..... \$ 250  
Sten Parts Set British MKII with  
loop stock ..... \$ 95  
1918A2 BAR Parts Set, V.G. Cond. .. \$ 185  
MAG 58 ..... \$4500  
Bren MKII .303 ..... \$ 285  
MP44 ..... \$ 550  
PPS43 ..... \$ 150  
1914 .303 with/Tripod ..... \$ 985  
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1918 Colt Automatic Machine Rifle .. \$ 350  
Madsen Model 46 30-06 ..... \$ 225  
FND BAR 308 ..... \$ 625  
Famae Model PAF S. American  
Sterling ..... \$ 225  
Vickers 1914 w/tripod ..... \$ 985  
1919a4 in mint cond ..... \$ 650  
1919A6 in mint ..... \$ 750

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MPK-L 40 rd. Mag ..... \$ 40  
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Thompson 45 cal New in Wrap 30rd .. \$ 6  
Sterling 9mm 45 rd Mag ..... \$ 55  
Madsen 30-06 30 rd. Mag 5-each in  
original carrying can ..... \$ 50  
FND BAR 30-06 ..... \$ 10  
L2A1 30 rd. Unissued Cond ..... \$ 50  
MP41 32 rd Mint Cond ..... \$ 55  
MP38/40 Flat Side Mag ..... \$ 55  
Bren 8mm 20 rd Mag ..... \$ 45  
MP44 Good Serviceable Mag ..... \$ 50  
MP28 20 rd ..... \$ 35  
PPS43 Mags ..... (ea) \$ 25  
..... or 5 for \$100  
PPSH41 Mags ..... \$ 35

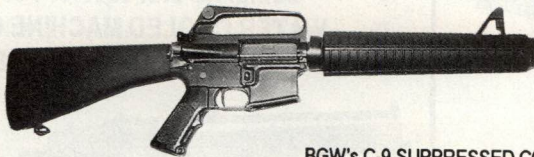
## Accessories

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Leather Carrying Handles WWII Mint .. \$ 35  
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Condition - 140 pieces ..... \$350  
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FND Barrel 30.06 ..... \$100  
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1908 Maxim Sled Mount Top Strap ... \$250  
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M2 30 cal. Tripod Pintle T & E  
UK Mfg. .... \$350  
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Complete entire form, please print clearly.  
Membership starts on the first day of the month following processing of the payment by the NRA.

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### MARK 1 DRUM

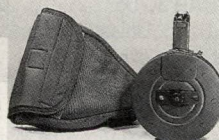


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\* Matte black finish



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## Simon Bill Targets FFLs with 7500% Fee Hike

Reprinted from Gun Week

The Simon Bill would raise the license fee for firearm dealers to \$750 from the current annual fees of \$50 for pawnbrokers and \$10 for other retail gun dealers. Simon says that this will help cover the cost of more stringent review of license applications as well as discourage individuals from obtaining licenses merely to save money by buying direct from wholesalers for themselves and friends. Some sources estimate that if passed the Simon Bill would reduce the number of FFL holders from the current 275,000 to about 50,000, limiting competition, raising prices and reducing the number of firearms sold to Americans.

S-496 has been given serious impetus by the recent focus of media attention on alleged violations by FFL holders. The bill would also:

- Require dealer applicants to certify that they are in compliance with all local and state laws, including zoning and sales tax requirements;

- Drop the current 45-day limit for Bureau of Alcohol, Tobacco and Firearms processing of applications and renewals, so that the Bureau can conduct background checks and other investigations at its own pace;

- Allows BATF to investigate dealers and inspect dealer records as often as they wish by eliminating the present once-a-year limit except for criminal investigations;

- Place more stringent requirements of FFL holders to report shortages in firearm shipments, as well as lost or stolen guns;

- Require licensees to provide firearms trace information by telephone;

- Criminalize the sale of firearms or ammunition when there is reasonable cause to believe the firearm will be used in a crime of violence;

- Require common carriers like UPS to obtain identification from individuals who receive firearm shipments, and

- Require fingerprints and photographs of individuals applying for a Class 3 license to sell machineguns and other NFA arms.

Gun Week

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## TWIN M-2 PEDESTAL MOUNT

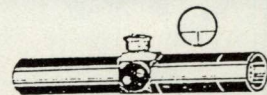
These rare .50 cal. Browning M-2 Machine gun mounts are designed to support either two air cooled or two water cooled .50's. The mounts are complete with shield and shoulder harness, but are missing the sights. Just in from the Middle East, these units are painted desert tan. A must for the serious M.G.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

**\$1,250.00** F.O.B. Martinsburg, WV

## First Surplus Shipment from Russia! Navy Arms Exclusive RUSSIAN MOSIN-NAGANT PU SNIPER SCOPE

These rare 2.5 power Soviet sniper scopes are now available to the American collector. The PU scope is 6 5/8" long, has a military marking. The PU formerly sold for hundreds of dollars, now Navy Arms brings it to you at a bargain price. Robust and of high quality manufacture, this compact scope is ideal for mounting on military rifles. Will fit on the Navy Arms Type 89 detachable mount. Complete with lens cap and scope covers.

Sugg. Retail: \$150.00 **Dealer: \$79.95**



## • • • MILITARY SURPLUS AMMUNITION • • •

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**7.62x39** - Brass case, lead core, NON-CORROSIVE, packed 50 rds. per box, 2000 rds. per case...**\$100** per 1000 Fgt. collect  
In case lots - 10 or more cases..... **\$185** per case Fgt. collect

**7.62x39 - IN STOCK** - Can of 720 rounds.....**\$60**

**Chinese Mfg.** - Steel core Berdan primed. Case of 1440 rds..**REDUCED!**...From 1 to 19 cases...**\$115** Fgt. Collect  
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**8MM**, Egyptian Mfg. - Manufactured in the late 1950's on German machines. Clean, sure fire. Lot of 1000 rds.....**\$110.00** Fgt. Collect

### 8MM LABEL BLOWOUT

This clean, non-corrosive 8MM Lebel comes packed in Hotchkiss M.G. Strippers. There are some dud rounds in this lot, but at this special price, you can't go wrong. The bullets alone, not to mention the rest of the components are well worth the price. This is the last 8MM Lebel available. When this is gone, there will be no more. The boss says it must go...stock up now.

Lot of 100 rds. \$13.00 **SPECIAL: \$8.00** Fgt. Collect • Lot of 1000 rds. \$110. **SPECIAL: \$60** Fgt. Collect • Lot of 10,000 rds. \$950 **SPECIAL: \$550** Fgt. Collect

### NEW SHIPMENT

**TYPE 89 SCOPE RAIL:** Now available to mount the Type 89 scope to an SKS rifle. Complete with spring catch & 2 mounting screws. Inletting the stock & receiver is required. **Sugg. Retail: \$15.00**

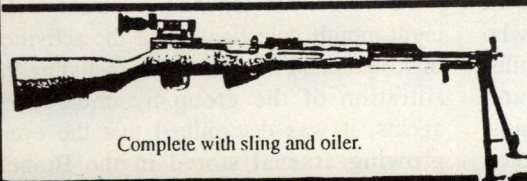
**.303 IRAQI Mfg.** - Iraqi .303 ball in bandolier with stripper clips. Berdan primed. Lot of 1000 .....**\$99.00** Collect

## • • • SKS • • • SKS • • • SKS • • • SKS • • • SKS • • • SKS • • •



### NEW SKS 'PU' SNIPER

Another Navy Arms first, the SKS PU Sniper rifle features the classic Soviet PU Sniper scope mated to the venerable SKS. This set features the PV scope with a detachable Type 89 mount attached to a brand new, unissued SKS. Undoubtedly the finest SKS sniper system now available and at an economical price. Mod. No. SPU039. **Sugg Retail: \$275.00 DEALER: \$209.95**



**Cal. 7.62 x 39**

### SKS 'FARMER'S FRIEND' Scoped Rifle

Exclusive from Navy Arms Co., a specially designed rifle for the farmer, hunter and rancher that has a power scope. It features a folding bipod that's reminiscent of the RPK and a wooden carrying case with the official Chinese Khaki color.

Mod. #FFR039 **Sugg Retail: \$325.00 DEALER: \$249.95** plus \$7.50 shipping and handling

#### RARE!

50 cal. "Squeeze Bore" Ammo  
Experimental, Multi-ball made for Colt Industries  
Linked.....\$1.00 Round

**7.62 x 45 RARE!** Rare, hard to find ammo for the Czech Vz-52 rifle.

Lot of 100 rds.....\$20.00 Fgt. Collect  
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#### .45 Cal. Uzi Mags

16 rounds, New IMI manufacture.  
**\$15.00 Each 2 for \$25.00**  
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#### Chat-Chau Magazines

Original, Good Condition  
**\$10.00 Each**  
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# The Waco Standoff

## WAS IT NECESSARY?

by **CARLTON STOWERS**

Reprinted from: *San Antonio CURRENT*

In 1987, when David Koresh, the charismatic leader of an abnormal religious sect near Waco, was implicated in a shooting during a power struggle for leadership of the group, he was arrested using a well-known tool of law enforcement: a phone call.

McLennan County Sheriff Jack Harwell, who had been hearing strange stories from the sect's headquarters for most of his life, made the arrest quietly and peacefully by phoning Koresh to say that deputies were coming out to arrest him and his cohorts and claim their weapons. OK, said Koresh: come ahead. It was practically that easy.

Six years later, Koresh's response to a different kind of arrest attempt ended in tragedy as dozens of federal agents stormed his residence in flack jackets, helmets, and SWAT tactics, carrying all the firepower the government troops could pull together. It seemed that Koresh and his followers, generally judged by the locals who knew them to be harmless oddities, were under attack by an army.

They repulsed the attack and locked themselves away in a rambling, patch-work building which for years had sat quietly in the pastoral countryside 10 miles northeast of Waco. The complex, located on 77 acres, is home to more than 100 members of a religious sect which calls itself Branch Davidian, a splinter group which broke away from the Seventh Day Adventist Church in 1935.

Until recently, the residents lived a quiet, isolated life of prayer, Bible study, and hard labor — while dutifully preparing for the end of the world they believe will soon come. Some of that preparation evi-

dently involved target shooting semi-automatic, or possibly illegal automatic, rifles and handguns. They tended their gardens, their small herd of Holstein and Jersey cows, made their own clothes, home schooled their children, and eschewed such worldly luxuries as indoor plumbing. In Waco, a city of such religious fervor that it had been referred to as "Jerusalem on the Brazos," the Davidians were generally judged to be benign.

Now, however, in the aftermath of a deadly raid by gun-wielding federal officers (attempting to serve search and arrest warrants for alleged possession of illegal firearms and explosives) they and their messianic leader have gained worldwide attention. Their once private lives are now headline news from New York to London, Sydney to Tokyo. Reporters around the globe have stationed themselves on a small farm road leading to the compound, waiting, watching, wondering what this modern day religious war is all about and just who the people are, barricaded inside the building built from their own sweat and dedication, a building referred to by most area residents as Mount Carmel, but called "Ranch Apocalypse" by some of its inhabitants.

In the days since the initial siege by federal agents on the last Sunday morning in February, the Davidians have been portrayed as heavily armed, law-breaking, religious zealots whose fire power and fanaticism pose a grave danger. Their leader, the 33-year-old Houston-born David Koresh, has been labeled as crazed and mind-controlling, a self-proclaimed "Lamb of God" who says he alone holds the divine power to open the Seven Seals

described by John the Apostle in Revelation — and thus set in motion the end of the world.

The U.S. Bureau of Alcohol, Tobacco and Firearms (ATF), the agency that stormed the Davidian compound, in the wake of the 45-minute firefight that claimed the lives of four agents and wounded 16 others, has suggested that a telephone call just moments before their agents' arrival may have alerted Koresh and his followers, turning the arrest plan into a bloody disaster. Yet, in a series of confusing, question-dodging press conferences that followed the tragedy, no one at ATF has been able to explain the lack of any attempt to peacefully serve the warrants and arrest Koresh without violence, a plan that seems to have worked in the past.

Rather, the official focus has been on the perception of evil and potential terror barricaded behind the compound walls.

During what the ATF claims was an eight-month investigation of the activities of Koresh and his followers, including infiltration of the group by undercover agents, it was determined that the ever-growing arsenal stored in the Branch Davidian headquarters included illegal firearms and explosives. Additionally, there were reports from ex-Davidians of physical and sexual abuse of children by sect leader Koresh, and that Koresh claimed as many as a dozen or more wives among his followers.

As post-raid criticism of the ATF's tactics mounted, federal officers began to leak stories to the media that the Koresh-led Davidians were stockpiling arms for a planned assault on Waco that "will make the Los Angeles riots look like child's play"

Machine Gun News - May 1993



(why the Davidians would want to attack Waco no one seemed able to explain) or that a Jonestown-like mass suicide would have been eminent within the walls of the complex had not the feds stepped in.

At press briefings, the stories laid out by the federal law enforcement officials changed daily. First, Dan Hartnett, associate director of the ATF, explained that the attack was planned for Sunday morning out of concern for the safety of the Davidian children living in the compound. "Intelligence had indicated that the women and children would be isolated from the men at that particular time," in prayer groups, he said. A day later, while describing what the initial attack scene looked like as officers approached, he noted that everything seemed normal as "children played in the yard."

And, after the initial assault had failed and as the resulting standoff wore on, the feds added new accusations: The Davidians were reportedly dealing drugs from the compound. They were active participants in a network of illegal arms dealers. They were laundering money.

What was going on in the McLennan County countryside, then, was clearly judged by the feds to be illegal, immoral, and potentially dangerous. Yet, in the wake of the tragic death toll - which is likely to climb dramatically once it is learned how many Davidians or others residing in the compound lost their lives in the bloody Sunday attack - criticism and dismay have replaced the initial shock that swept through the nation.

Not only are the other locals wondering how such insanity could be visited on their quiet Central Texas lives, but they've begun to ask why. Many are now pointing out that the Davidians they've known for years are quiet, non-threatening, polite men, women, and children they've encountered while shopping at K-Mart and Sam's Club, in bank lobbies, and downtown businesses.

Even back in 1987, when a power struggle for leadership of the Davidian sect erupted in the gunfire at Mount Carmel that resulted in the indictment of Koresh and a half dozen of his followers, the event was generally passed off by other McLennan County residents with shrugs and bemused smiles.

The shootout occurred at a time when the Davidians were still being led by a man named George Roden and the then dilapidated encampment near Waco was known as Rodenville. Struggling to maintain his leadership role against the Machine Gun News - May 1993

emerging and charismatic Koresh, Roden visited a nearby cemetery and exhumed a casket containing the body of a woman who had reportedly been buried for a quarter century. Roden issued an insane challenge to his rival: whichever man could raise the woman from the dead would reign over the McLennan County Davidians.

It was, records show, Koresh who went to the authorities to complain of grave desecration by Roden. Sheriff Harwell explained that he would need more evidence before launching an official investigation. He suggested that Koresh return to Mount Carmel and take photographs of the casket and determine if, in fact, it contained a body.

When Koresh and six of his followers, all armed with rifles, went to the compound to gather that evidence, gunfire broke out. While no one was killed in what amounted to a modern-day Texas land war, attempted murder charges were leveled against Koresh and his raiders.

In 1988, a mistrial was declared after jurors could not reach a verdict and Koresh was set free. The other six Davidians were found not guilty. Officials, having determined that none of the weapons they confiscated were illegal, returned them along with thousands of rounds of ammunition.

J.L. Crawford, an investigator in the McLennan County District Attorney's office at the time, made a half dozen visits to Mount Carmel in the aftermath of the power struggle and talked at length with Koresh and many of his followers.

"What I found were some beautiful people," he says. "They're quiet, they're healthy, and will walk around the block to avoid any kind of argument. If someone criticizes them or insults them, they smile and walk away."

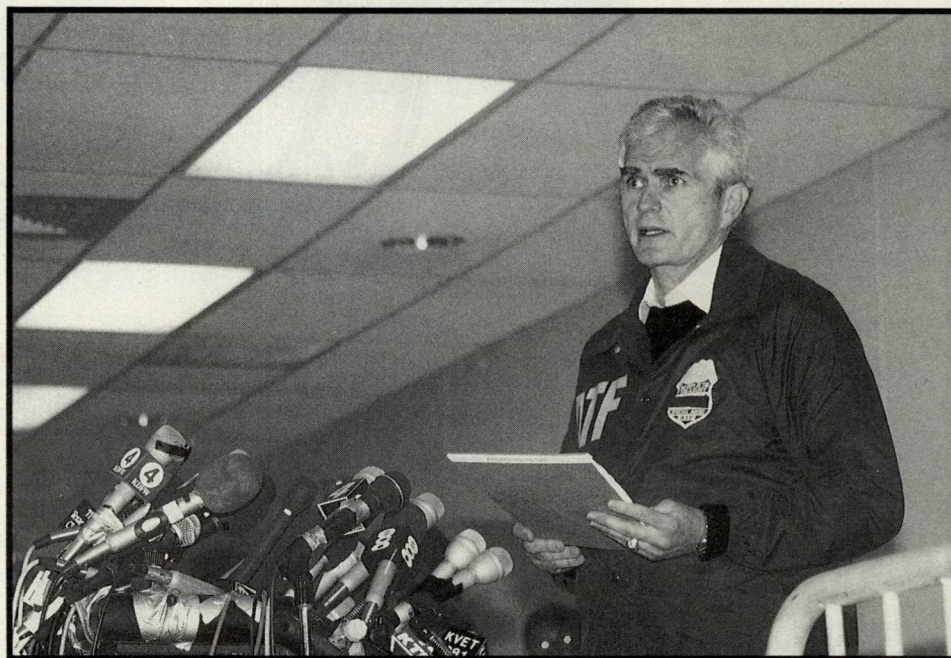
"While most of the people here in Waco view them as strange, I've never heard anyone say they felt threatened by them. They pay cash for what they buy, they do their banking in town, live simply, and take care of each other."

While federal officials insist that members of the sect are forced to turn over all their money and possessions to Koresh, Crawford says his earlier investigation revealed that most members were in control of their own money.

"Now, because their beliefs are different, everyone's calling them crazy," says Crawford. "So what if they are? There's nothing in the Constitution that makes that a crime."

From across the country have come echoes to Crawford's sentiments. Severely chastising federal officials for their actions and the manner in which they attempted to serve the warrants, Houston city councilman John Goodner said, "I find their [ATF] actions totally unacceptable. From what I've heard and read, the whole matter was handled badly. We have a lot of freedoms in this country. Among them is the freedom to be absolutely nutty if you want to be."

Crawford says the David Koresh he knows is hardly the Texas version of Charles Manson that authorities and some of the media have described. "George Roden scared me. Koresh didn't in the least." (cont.)



ATF spokesman Dan Conroy deflects criticism from reporters. Photos by Rus Rice.



Attorney Gary Coker, who represented Koresh in the 1988 trial, admits that his former client is "a little weird," but hardly the maniacal doomsday prophet being described by the authorities and the media.

"The people who live out there," Coker says of the Mount Carmel Davidians, "are not violent. They're peace-loving. They're vegetarians. They don't even drink or smoke."

When asked during a news conference why the ATF had not simply waited until David Koresh was away from Mount Carmel to arrest him, Hartnett said such a plan was impossible since Koresh had not left the compound for months and had told followers that he would not leave it again.

But shortly after Hartnett's statement was made public, Angela McDaniels, a waitress at a Waco restaurant, recalled serving Koresh and several other Davidians just weeks earlier. "They had cheese nachos and iced tea," she says, "and were very nice." Margaret Jones, an acquaintance of Koresh, says she saw him in a Waco store as late as the end of December. He was also seen at a gas station not far from Mount Carmel around the same time.

"All those [Davidians] were doing," says Waco resident Dennis Moore, a local

tavern owner, "was defending their property. We've always referred to their place as a religious commune. Now, everybody's calling it a cult."

Bob Foster, editor of the weekly Waco Citizen, finds the entire matter disturbing. "If someone came storming into my house on Sunday morning, I'd feel I had the right to protect myself."

The members of the Branch Davidian, many Waco residents insist, are hardly society's flotsam. The international, multi-racial makeup of the sect's membership (some of the membership is reportedly from Australia, others from Great Britain) even includes a Harvard-educated attorney named Wayne Martin.

"Martin is an excellent lawyer," says State District Judge Bill Logue. "He's always been an above-board, moral kind of guy who handles his matters here very proficiently." Members of the Waco legal community were surprised and saddened to learn that Martin was inside the complex during the standoff with authorities.

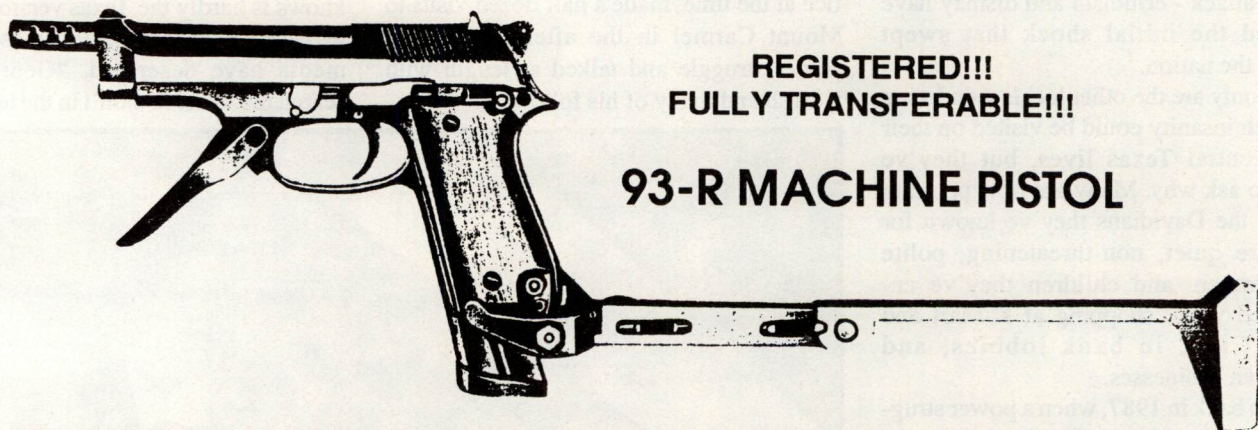
Former McLennan County District Attorney Vic Feazell, an ordained minister now in private law practice in Austin, says that an understanding of the Davidians' beliefs and philosophy is necessary to un-

derstanding the response to the Sunday assault. "They're protective of what is theirs," he says. "They're protective of their land. They view it as Muslims do Mecca and Jews view Jerusalem."

The "storm trooper" attack by A agents, he says, "was a vulgar display of power on the part of the feds [and was] met with fear and paranoia on the part of the Davidians. It was a sad day for the Davidians and a sad day for our government."

"When we arrested them [following the 1987 shootout]," Feazell says, "we treated them like human beings. They were extremely polite people. Following the trial - although we didn't agree with everything they believed or said - several members of our staff were pretty sympathetic toward them."

"They are people who just want to be left alone," observes one former Waco resident who asked that her name not be used. "Their lifestyle is very much like the Amish. They raised bees and sold honey; they lived very peacefully. They've chosen to arm themselves in the same manner all 'survivalists' do - for protection against outsiders who might try to take their home, their food, and belongings in the event of



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the apocalypse." The idea of Koresh and his followers planning an attack on the 104,000 citizens of Waco is, in her opinion, "absolutely absurd."

Criticism of the operation was raised on another notch with the arrest of two elderly women who voluntarily left the compound during the standoff, one to deliver a taped message from Koresh to the FBI, the other a friend who accompanied her on the mission. Margaret Lawson, 77, and Catherine Mattson, 75, were shackled and handcuffed, then taken to court and charged with conspiracy, murder, and attempted murder.

Federal officials insisted they were convinced the women had been directly involved in the gun battle. What they did not mention was that Mattson, a 20-year resident of the Davidian facility, is legally blind.

While charges against the two women were dropped a day later, authorities said they would remain in custody as material witnesses. Coker, again representing the Davidians, pleaded to the court for the release of Mattson, but was told she was a "flight risk." "This woman," the appalled lawyer says, "is 75 years old, blind, doesn't even know how to drive a car, and had no money. What kind a flight risk can she possibly be? All she wants is to return to the compound, to her home."

The critical fallout is even coming from other law enforcement agencies and military circles. And, in Washington, FBI officials are subtly distancing themselves. They acknowledge that they, too, had received accusatory letters about activities of the Mount Carmel Davidians last spring and had conducted an investigation that did not uncover any criminal behavior. FBI Director William Sessions made it clear to reporters that his agency had "no involvement in this particular operation at all" before it was recruited for backup and "hostage" negotiation following the deaths of the ATF agents.

Even Treasury Secretary Lloyd Bentsen, whose department oversees the ATF, lauded the bravery of the officers involved in the operation, but then added that the ATF's actions would be reviewed and effectiveness of the operation evaluated.

There is a dark, expanding sadness that blankets this story; a sadness for lives lost needlessly by what appears to have been an all-too-aggressive plan, ill-conceived and poorly carried out; a sadness for the thinly disguised attempts at damage control in the aftermath on the part of federal authorities; and sadness for a strange group of people accused of sins as yet unproven. MGN

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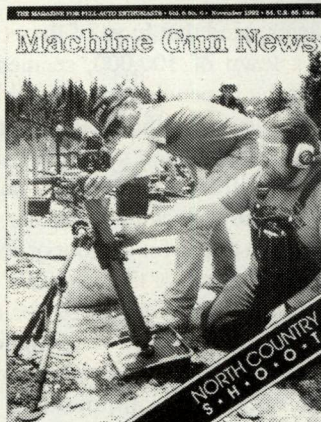
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by KEN CARTER

# Scattered Shots

**H**opefully, by the time you read this, the tragic situation near Waco, Texas, will have ended without any additional bloodshed.

It is a safe bet, however, that it will be years before reverberations from the assault on Mount Carmel by agents from the BATF and IRS have died down. And it is unlikely that any but those who were actual participants in the events of that final Sunday morning in February will ever know exactly what happened. Even among them, if human nature runs true to form, recollections will vary.

From the beginning, it was obvious that those responsible for the abortive raid were frantically attempting to cover their behinds with both hands.

For the first few days, reporters covering the story were stonewalled. News briefings would be scheduled, then abruptly canceled at the last moment with little explanation. Since reporters are expected to report, they were forced to get by largely on speculation. Speculation, and leaked rumors: the Branch Davidians, characterized as a group of brainwashed crazies led by their maniacal "messiah", David Koresh, were armed with enough firepower to wage World War III; included in their arsenal were hand grenades, rocket launchers and .50 caliber machine guns (the latter of which, one ATF spokesman informed the media, shoot bullets "the size of your average banana").

Even when daily news conferences began, the information wasn't much better. The earlier reports of a multitude of "Ma Deuces" may have been premature, we learned; it was now thought that the cult was equipped with "hellfire switches", described as "electrical [*sic*] devices that operate the triggers of semi-automatic rifles so fast that they appear to be fully automatic."<sup>1</sup> ("Praise the Lord, and pass the extension cord!")

There were also several different "official" reasons why the raid went wrong, resulting in the loss of at least six lives, including four government agents. At first, it was "we were out-gunned." That version

was later recanted, in favor of "we lost the element of surprise," blame for which was assigned to elements of the news media who allegedly tipped those in the compound that the law was on the way. Exactly *why* they would have done that remains unclear.

(Never mind that most of the people in Waco, a town of 100,000, seemed to be aware of the impending assault, which had been in the planning stages for eight months; or that police radio channels and unsecured cellular telephones - both susceptible to anyone with a scanner - were buzzing with traffic for an hour or so before the raid took place; or that visibility around Mount Carmel was unlimited for several hundred yards; or that three helicopters were hovering overhead as agents advanced upon the compound in broad daylight.)

Varying accounts of just how the shooting started have also surfaced. Government spokesmen first reported that they were fired upon while driving up to the fortress-like compound. Later, they said they announced their presence first and told those inside they were there to serve arrest and search warrants. However, witnesses (presumably newsmen on the scene) were quoted as saying the heavily-armed agents sprang from their trailers and charged the compound, throwing stun grenades and shouting "Come out!" After a momentary pause, they said, those inside - apparently believing they were under deadly attack - opened fire.

Despite the garbled variations of events, there has been one consistency: BATF has insisted throughout that the failed operation was in no way indicative of a bad plan, but rather was the fault of others.

Scoffing at this, retired Colonel Charlie Beckwith, creator of the crack Delta Force that specializes in just this type of maneuver, told reporters, "If I had done that as a colonel in the U.S. Army, I would have been court-martialed and would be in Leavenworth prison right now."

We also have a choice of reasons why

the raid was staged in the first place. One, ATF had been "monitoring" all mail and UPS packages into the compound, and had reason to believe the Davidians were stockpiling illegal arms. Another, the cult members, described by one prosecutor who had visited them as "pacifists" and "beautiful people", were planning an attack on the nearby Baptist stronghold of Waco. Or, if you prefer, the assault was necessary to prevent a Jonestown-style mass suicide. (Right. "We had to attack 'em to keep them from killing themselves.") If that was likely, by the way, there has been ample opportunity - and perhaps justification - in the weeks following the attack. To date, no suicides have been reported.

But perhaps the question that most needs answering is...was such a risky confrontation necessary at all?

Fourteen days after the standoff began each day, incidentally, costing taxpayers a reported two million dollars - an FBI spokesman quoted David Koresh as saying that he and his followers would have responded peacefully if officers had knocked on the door and simply served them with the warrants.

**D**id the Branch Davidians possess unregistered weapons and illegal explosives? Koresh claims not. But whatever the answer, a knowledgeable law enforcement officer, who asked not to be identified, told me he thinks BATF will have to "find" something in order to justify their actions. Otherwise, he said, the future of the agency is in jeopardy.

**W**hy would not BATF have tried first to serve the warrants in conventional fashion before committing to something of this magnitude? It has been suggested that, at a time of impending budget cuts, they wanted to impress their new bosses in Treasury and the Oval Office with their ability to mount a slick, Entebbe-style raid to justify their existence. This may...lack plausibility, if, in fact, the raid was in the planning stages before Clinton was elected.



Others claim that, within federal law enforcement and elsewhere, BATF has long been considered a "cowboy" agency, given to Constitutional shortsightedness, and prone to view those they target as "guilty until proven innocent". In other words, this was just business as usual. Proponents of this theory cite the recent Johnnie Lawmaster and Randy Weaver cases, among others.

Another possibility is that gun-haters within the agency timed the operation to sync with so-called "assault rifle" legislation pending before Congress. I.e., bust a bunch of nut-cases down in Texas to demonstrate the kinds of people who own "guns nobody needs to have" in order to counter mounting evidence that these firearms are rarely used in crimes.

#### NBC UPDATE

As predicted here, anti-gun NBC News honcho Michael Gartner has resigned in disgrace over faked scenes aired on a news segment involving a GM truck rigged to explode.

Meanwhile, word that parent company General Electric, which had been trying to peddle the entire network for \$4 billion - with no takers - is now willing to sell just the entertainment end, minus the tarnished news department...and for a lot less money!

\*\*\*

Those who promote gun control as a panacea for this country's problems often point to Great Britain as a Utopian example of what can be achieved when the citizenry of a nation is disarmed.

Within the past month, three related items caught my eye. The American Rifleman ran a story telling how owners of "assault" (semi-automatic) firearms there had been forced to destroy them, dispose of them out-of-country, or convert them into non-firing "wall hangers". (Britain, of course, abolished the private ownership of handguns over a half-century ago.)

Almost simultaneously, two news stories surfaced. One told how the crime rate in Great Britain has now achieved the highest level of any country in Europe.

The second cited a recent poll revealing that the majority of Brits would rather live somewhere else. Anyone want to bet that the USA - crime-ridden, but free - is high on the list of places they would rather be?

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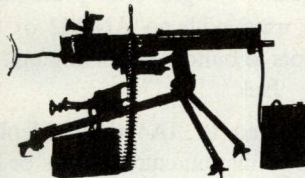
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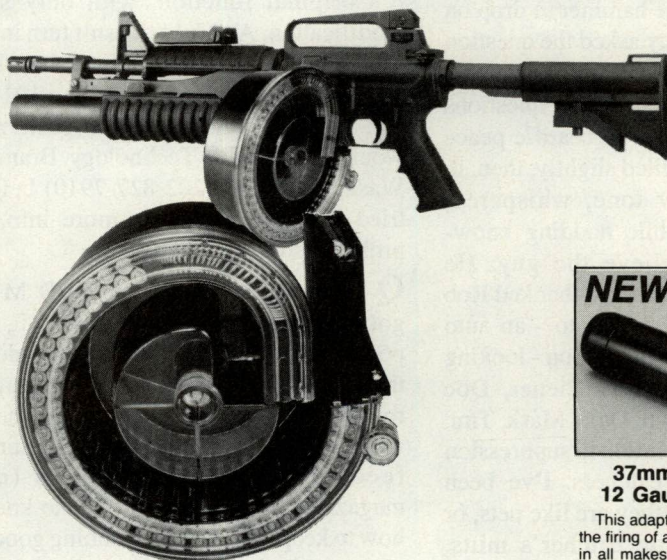
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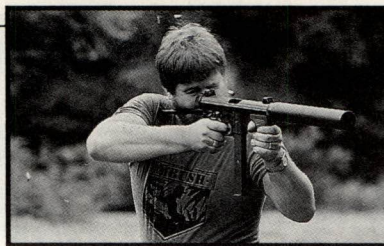
When used in a tactical situation the adaptor allows the officer with the gas gun to fire the gas rounds and then insert the adaptor and accompany the assault team with what is then a short barrel shotgun.

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# Raffica

by DAN SHEA



## NO PLAN SURVIVES THE FIRST CONTACT INTACT - Murphy's Laws of Combat

The Rafficarians out there must be standing in wonderment at the recent events in Waco. I won't address it here, as The Forms goes into some of the perceived legalities and such. Instead, I have an "Overheard at Gun Show" that you might enjoy.

Class 3 Dealer Robert Stewart (company name: Phoenix) was at the Richmond, Virginia gun show with Stan (the Polish Hammer) Andrews, Dennis (the Booby Trap Menace) Duphily, and myself. We all had tables together, and were meeting and greeting the locals and generally having a good time when I heard the conversation that we all dread. A guy was talking to Rob, who is what you might understate an RKI about suppressors, and he was pushing to get info on how to build one. It was pretty obvious that the guy was going to try and build an illegal one. (How do you spell "Conspiracy"? ) Most of the knowledgeable Class 3's will abruptly end any conversation with someone who isn't trying to be lawful very quickly, and I highly recommend it. I'm usually pretty coarse about it, so I was waiting for the hammer to drop on Rob's .45. Then, the guy asked the question - "What are the actual parts inside there?". Instead of anger at all the leading questions finally exploding, a look of beatific peace came over Rob. He smiled slightly, then, in a conspiratorial low tone, whispered, "Sound Catchers," while nodding knowingly. I couldn't believe the guy. He returned the knowing nod and thanked Rob profusely, then wandered off to - an auto parts store exhaust system section - looking for "sound catchers". Jon Ciener, Doc Dater, Reed Knight, Lyn, Dale, Mark, Tim, look out - the new revolution in suppression is upon you. Sound catchers. I've been meaning to ask Rob if they are like nets, or do they all wear little catcher's mitts. Thought you all might enjoy a smile.

A note for you poor Massachusetts inhabitants: You have been deprived of a way to get Destructive Devices for too long. Dennis Duphily of Den's Gun Shop in Lakeville, MA has now gotten his Type 10 FFL. That means you guys will now have access to M-79's, M-203's, mortars, can-

nons, bazookas, etc. You should all have a warm feeling in your belly, knowing that Democracy is safe and all is right in the world. Ecstasy is only a Form 4 away. Den's phone number is 508-947-5898. I'm going to talk to the other DD's and see if they want me to publish their names and states... there are only about 15 of us.

**Q** Is there part inter-changeability between Browning Model 1917A1 and the 1919A4 machine gun? Can the right side plate of the 1919A4 be used with the Model 1917A1 parts kit to build a functional gun? If yes, are any modifications necessary?

Also, can the right side plate of a 1919A4 be used with an AN-M2 or the M37 parts kits to build functional guns?

Jack

**A** The registered 1919A4 right sideplate can be used to manufacture 1917's or M-37's. There are slight modifications that need to be done, none of which keep the sideplate from being it's original machine gun, the 1919A4. Remember the rule of thumb on using one model registered sideplate, tube or sear to make a different model machine gun: It has to still perform it's original function, with only slight modification. An M-11 doesn't turn into an M-60. The AN-M2 plate is about 100/thousandths thinner than the 1919A4, and has some different hole positions. I would check with Technology Branch in Washington, DC (202-827-7910) before I tried it. They will want more info, and probably some drawings.

**Q** I recently purchased an SWD M11/9, got my paper work through BATF, took possession of the gun and have made one trip to the range (Knob Creek). I put 900 rounds (Egyptian surplus) through the gun with no ammo misfire and three failures to feed in the last 100 rounds (dirty magazine?) What I would like to know is how to keep this little gun running good and what to watch out for. Can you give me a rundown of the do's and don'ts on the gun and magazine. Also, your opinion of the Egyptian ammo. This is my first Class 3.

B.D.

**A** The M-11 9mm is the current version of the MAC series, manufactured by SWD in Georgia. It is a bullet hose with a rate of fire

in excess of 1000 rpm, and there are a lot of people who downplay the M-11. I have had a lot of them, and the most important thing to remember is that the gun was intended to fire with a suppressor. (All those little sound catchers help stabilize the cyclonic turbulence created in the vortex of high rate of fire? Sorry, I can't get them out of my head.) The suppressor does a lot to stabilize the hold on the firearm, and reduce the recoil. You will find that an M-11 with suppressor can be fairly accurate, deliver high rates of concentrated fire, and is easy to maintain. Pop the front pin, pull the upper and bolt, hose the bottom section with solvent and the same with the top, and you can blast all you want with the corrosive 9mm. Nice cheap shooting. (Fleming has his M-11 .22 kit unveiling in next month's MGN, so shooting is going to get cheaper.) About the Egyptian 9mm, it is corrosive, even most of the stuff people are calling non-corrosive is going to produce "growth". If you doubt it, try the "Bright Nail Test" in MGDB. If you shoot this stuff through suppressor, you are asking for trouble unless you can perform an immediate cleaning with a good bore cleaner meant for corrosive ammo, or soap and water. The magazine feed problem is familiar to all users of the M-11 and it's Zytel magazine. We always used to joke about it being the first SMG with disposable magazines, then Ilarco tried the pre-loaded AM-180 mags. What happens is that the feed lips wear off, and the bullets start feeding at too severe of an upward angle to feed properly. This happened at about 1000 rounds and caused a lot of dissatisfaction. There are also earlier magazines that tended to split on the seam line. The manufacturer put staples in the ones on the market before they got it corrected. Your M-11 may have been an earlier one - 84, 85, and the mag may not have been stapled. There have been several metal mags made for the M-11 9mm, and if you can get them, go for it. The original MAC-9mm metal mags do not fit.

**Q** I always read your articles with interest in the Machine Gun News and from time to time, I will drop you a line. I recently read in your August, 1992 issue an article about corrosive primers. I had Glen take a poke around some of the foreign ammo we have



in stock and he encountered four or five corrosive types that had flat primers. Just thought I would make you aware of this and you might put an addendum to your article if somebody doesn't ruin a good barrel.

Cholly, Sarco, Inc.

**A** Glad to know you're out there, Cholly. For those unaware, Cholly's the main man at Sarco, and an RKI of the first order. With all of the gun parts and ammo that have gone through Sarco over the years, I'm sure Cholly holds the key to a lot of info. It was thoughtful of him to take a moment to jot this down, and I do appreciate it. I would suggest that anyone interested in whether their ammo is corrosive or not use the "Bright Nail Test" as in the MGDB, or assume that it is and clean accordingly. Many thanks for pointing out some of the exceptions to our guideline on corrosive ammo, and helping the Rafficarians out there to not "Grow" their guns. (Vida- can I say that? Bill Clinton keeps talking about "growing" the economy...) And, once again, our deepest sympathy on the fact that you still have Florio as governor of New Joisey. Good luck, from the Free Zones.

**Q** Hope I'm not taking up too much of your magazine space, but I thought you and other M-16 shorty shooters would be interested in a quick update on my "shorty that wouldn't work". I tried it out again last night with yet another shorty upper and it worked 100%. This upper was 11.5 inch with permanent flash hider. The gun also ran 100% with the .22 conversion kit and it's great to be shooting again. I feel confident now that the original problem was in the barrel/upper assembly, and hopefully QPC will correct this problem with the original one.

Steve

**A** Hey, go with the flow, Steve. If I were you I couldn't sleep until I'd put a couple of cases of clean stuff through it. It's so frustrating to have a dream gun and have the nightmare you've been through with it. Hopefully Quality Parts will take care of the problem. You know, part of the beauty of the M-16 is it's unitized construction. The ability to change uppers has kept many an M-16 devotee from collapsing into an unrecognizable puddle of frustration.

**Q** I was wondering if you could explain the different designs of modern sound suppressors. What are the latest technical advances for these devices? What makes one style better than another? What materials do some manufacturers prefer?

S.C.

continues

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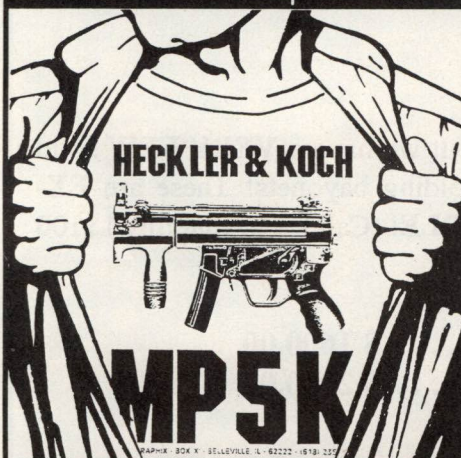
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DEALER INQUIRIES WELCOME

And then the King said to Hercules, "When you are done cleaning the stables, kill that pesky little Hydra over there, will you?" That's a tall order. There are no less than 20 silencer manufacturers out there that are more than competent, and about 10 who have products that excel. Materials range from stainless steel to aluminum to plastic. Theories of sound suppression range from the old (and very functional) Maxim style to the Sionics styles of the Vietnam era to "Special Environment" Wet concepts to wipe units. The list goes on. The end use is going to dictate what is the best choice, as in any other decision. If you want cheap, there is stuff out there under \$100. It will take the edge off, but silence it? You can also spend hundreds of dollars extra for a suppressor that shaves a couple of decibels off of the mid-range cans, which is virtually indistinguishable to the ear. My personal preferences get me in trouble with the manufacturers. So I won't say in print. I will say that I have and use some of each of the following manufacturer's suppressors: AWC, AWC Systems Technology, Blaylock, Ciener, JR Customs, Marfione, Precision, and SCRC. Each one shines in its own way. Each company has its "best" products. The manufacturers I haven't listed here have not sold me any of their products, mainly because of a lack of funds on my part. I wish I could afford to buy one of everything and display them on my tables at shows, but it reaches a point where it gets ridiculous. Perhaps Al Paulson or J. David Truby would be better candidates to give a longer dissertation - that's a hint, guys.

On paper, the Action Arms Timberwolf rifle (slide action .357) looks like it might make a neat short range special OPS weapon when suppressed. It comes with a take-down capability, no action noise for single shots and faster than bolt action for follow up shots. It should be easy enough to come up with a suitable load for such a piece. Also, with who-knows-what on the horizon, its' lack of pistol grip and detachable magazine should present a less threatening envelope to the gun grabbers. Is it economically feasible?

Sure it's feasible. I have no doubt that at least one of the aforementioned suppressor manufacturers has a suppressed Timberwolf on the workbench. Where the big problem is in suppressing the Timberwolf, is that it has a tube magazine that is under the barrel. You would either have a muzzle can, an eccentric can, or reduced magazine capacity by cutting it back. I suppose that one could include the magazine inside the

suppressor, but then how would the slide work. Don't forget that the .357 Magnum (and the .44 Magnum model) are going to be super-sonic, and require downloading of the powder or a bleed off system for the gases to reduce the velocity. Interest project.

I am the proud owner of a Powder Springs .45 cal. "Bullet Hose" (SN 0012xx). Though I mainly use it for household chores such as trimming the hedges and rodent control, it has caused me a slight bit of annoyance. Whenever I attempt to remove the receiver retaining pin, the spring in the retaining pin latch (?) propels itself at a high rate of speed in a random direction. This last time I was lucky enough to find the spring... A past occurrence required a trip to my Class 3 dealer. However, even though I found the spring, I was unable to reinsert it; (last time it took the dealer 20 minutes, and he is a gunsmith & Class 2 manufacturer).

Is there some way to modify my little friend to prevent this from happening? Did the newer MAC varieties correct this problem? I know this is a minor problem, but it seems absurd that a weapon of this caliber (no pun intended) should have to visit the range wrapped in duct tape... I mean it's bad enough that sometimes I'm wrapped in duct tape too (but that's another story...).

Please help! If I cannot get this annoying problem fixed I will be forced to buy a "real" machine gun.

Joe F.

In this age of self help groups, I was wondering if someone should start a 12 step program to help MAC owners through their feelings of inadequacy. (Size is not the only determining factor regarding effectiveness - Dr. Ruth). I am hoping for the reader's sake, that your "duct tape" problem is not a catching deviation. I realize how popular the abuse of duct tape is, having been in construction and seen how it can be perverted. I have also seen BATF duct-tape together a Sten parts kit to show that the kit was "readily restorable". (I'd like to see a full mag of Egyptian go through that one!) As far as the receiver pin goes, it shouldn't be flying out anywhere, so the closest I can figure is you are losing the retaining lever and spring. The retaining lever and spring on the original MAC-10's is not meant to come out when you remove the receiver pin. There is a roll pin that fits through upper slot, and holds the retainer in.

Questions to:

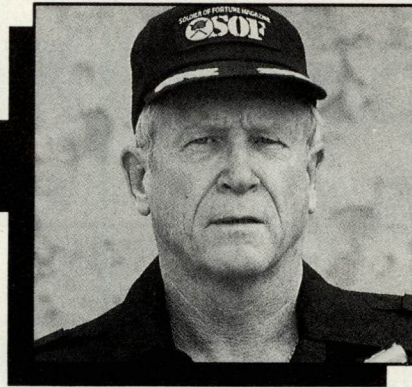
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PO Box 759, Hot Springs, AR 71902



# **SOLDIER OF FORTUNE**









## **OPEN LETTER**

FROM ROBERT K. BROWN  
EDITOR/PUBLISHER



**F**inally, after seven years — it seems more like 20 — our legal battles have come to an end. It has been a long, tough and expensive haul, and we could not have made it without the continuing and loyal support from our readers, advertisers, convention exhibitors and conventioners, and from those of you who contributed to our Omega First Amendment Legal Defense Fund. I would also like to commend the steadfast devotion from our printers, color separator, distributors, dealers and retailers, and the *SOF* staff during this whole ordeal.

Now is the time to move forward. *SOF* magazine *will* remain in business. We will forcefully speak out on the issues. We will continue to fight for the Second Amendment rights of gun owners. We will cover wars throughout the world, slay dragons and, opportunity permitting, get involved. As always, we will be politically *IN*correct and will be keeping our readers up-to-date on the antics of the Draft-Dodger-in-Chief in Washington. Now, as during the past 18 years, this will only be possible with continued support from all of you.

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***Thanks again.***

**R K B**

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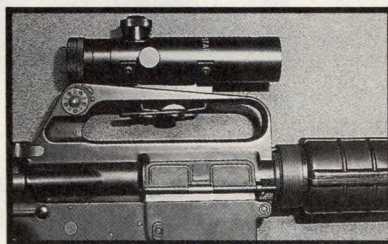


# What's New

by CHRIS A. CHOAT

## LOW COST M-16 SCOPE

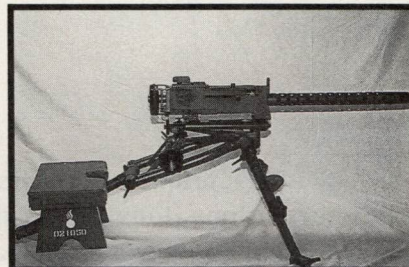
A new Colt-type M-16 scope is now being imported by KFS, Inc. The new scope is an exact copy of the Original Colt 3 X 20 scope used by the military. The new scope is called the RED STAR



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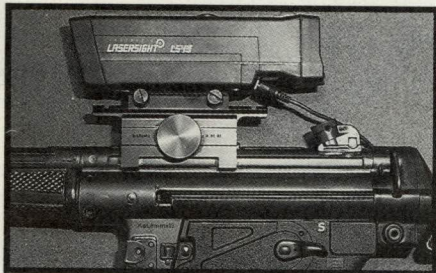
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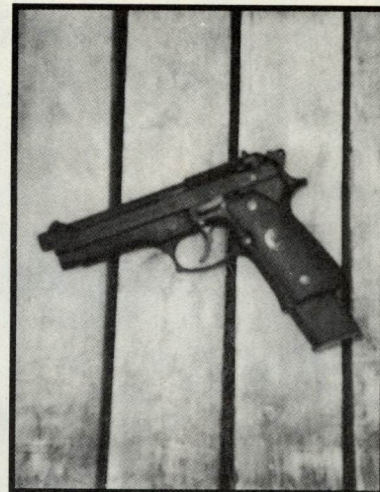
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# Development of the First Assault Rifle

## Sturmgewehr 44



by AL PAULSON

**T**he Sturmgewehr 44 was the most influential personal weapon to come out of World War II. It was the first "assault rifle." The StG44 and its new class of intermediate cartridge proved ideally suited to the realities of modern warfare. Within three years, Mikhail Timofeyevich Kalashnikov introduced a handier weapon using a similar cartridge. Since then, between 30 and 50 million Kalashnikov rifles and light machineguns have been produced by or for at least 55 nations. (Not to mention the myriad 5.56mm assault rifles of many other nations.) The Sturmgewehr 44 was clearly the right idea at the right time.

Or it would have been the right time — if its developers hadn't had to hide their work from Hitler. While the StG44 was tremendously effective everywhere it was fielded, too few weapons reached combat units too late to influence the course of the war. This was one "superweapon" that Hitler resisted every step of the way. Furthermore, development of the assault rifle was begun independently by visionaries in German industry, without any expression of interest by the German High Command. The fearless visionary who ramrodded the development of the assault rifle in the face of such overwhelming odds against him was Hugo Schmeisser.

Schmeisser had wanted to build a light (similar weight to the standard bolt-action rifle), fully automatic weapon — firing a new intermediate cartridge with ballistics somewhere between a rifle and pistol cartridge — since the idea had first been proposed to him by several army officers during World War I. Demands on German industry precluded the development of a new class of ammunition at that time, so Schmeisser developed the MP18, I in record time using the standard 9mm Parabellum pistol cartridge.

But Schmeisser never forgot the counsel of combat veterans who expressed the need for an intermediate cartridge that was controllable on full auto but could be used against hostiles at beyond handgun and subgun distances. Ironically, the Heereswaffenamt, Wa Pruf 1 (Army Ordnance Office, Ballistics and Ammunition Branch) was not unreceptive to the value of a reduced-power rifle cartridge following the Great War.

The full-powered service round was called the 7.92mm Spitzgeschoss Patrone (7.92mm Heavy-Pointed Bullet Cartridge, also known as the S Munition and S Patrone in Germany, and the 7.92x57 cartridge in modern parlance). The S Munition was adopted in 1905 and featured a spitzer

(pointed) bullet with a diameter of 0.311 inch, a weight of 154 grains, and a muzzle velocity of 2,880 fps. Its 7.92x57 predecessor (called the J Munition or J Patrone) was introduced by Spandau Arsenal in 1888 for the Gewehr 88, which was a Mannlicher rather than a Mauser design. The J Munition featured a 0.318 inch diameter round-nose bullet weighing 226 grains, with a muzzle velocity of 2,093 fps. The J Munition was also effective in its day, especially in the Mauser rifle adopted in 1898. Both the J-bore and S-bore cartridges were long-range rounds. Nevertheless, an improved long-range cartridge was adopted in 1930 as the 7.92mm Schweres Spitzgeschoss Patrone, abbreviated as the sS Patrone.

The sS Patrone was adopted as the standard round for rifles and machineguns. In spite of this emphasis on long-range performance, most combat in World War I occurred at distances less than 400 meters. Furthermore, the most critical fighting was really up close and personal — if an assault echelon actually made it through devastating artillery and interlocking machinegun fire to the enemy's trenches.

Clearly, the long-range capability of the standard 7.92mm sS Patrone was wasted. The Heereswaffenamt was not interested in



an intermediate cartridge because it would enable the development of more effective weapons, but rather because the new round would require less raw materials and would, therefore, be cheaper to produce. Intelligence officials envisioned a new class of weapons that would merely be as effective as the old weapons at the realistic engagement distances suggested by the experience of the Great War. Hugo Schmeisser, however, envisioned a new class of weapons that would give infantry units totally unprecedented firepower.

Neither vision had much of an impact. The German army officers who really mattered steadfastly rejected the notion of an intermediate rifle cartridge. Nevertheless, the Heereswaffenamt did manage to award several R&D contracts in the mid-1930s to continue work that had begun in the late 1920s on the development of an intermediate cartridge. Most R&D on cartridges during this period focused on improving the full-powered sS Patrone.

An improved infantry cartridge was developed sometime before 1938 that featured a semi-armor-piercing, steel-core 154 grain bullet known as the 7.92mm Eisenspitz Patrone. This can be translated as the 7.92mm pointed steel-core cartridge, and it is abbreviated as the SmE Patrone. The primary logic to using the steel core was to reduce the usage of lead, which was a strategic metal in relatively short supply. A secondary benefit to the SmE Patrone was that it provided superior penetration to the sS Patrone. The SmE Patrone became the standard full-powered service round during World War II.

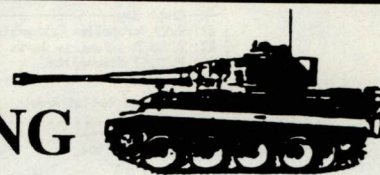
Germany also developed a variety of other 7.92x57 cartridges for specialized applications, including very powerful rounds for the Luftwaffe. Ballistics expert Whit Collins tells me that many of these specialized cartridges found their way into ground warfare during the last days of the fighting in Europe, when they were most likely to fall into the hands of intelligence analysts and journalists. This really muddled the waters in terms of understanding the published information on the development of the 7.92x57 military cartridge.

Getting back to the subject of R&D on intermediate cartridges in the 1930s, Gustave Genschow (Geco) developed the M35 7.75x40 mm cartridge for a series of "automatic carbines" developed at the Vollmer Werke at Biberach/Riss. Rheinmetall developed an 8x42.5 mm cartridge for their "Selbstladegewehr System Heinemann" self-loading rifle. And, under contract to the Luftwaffe (German air force), continues

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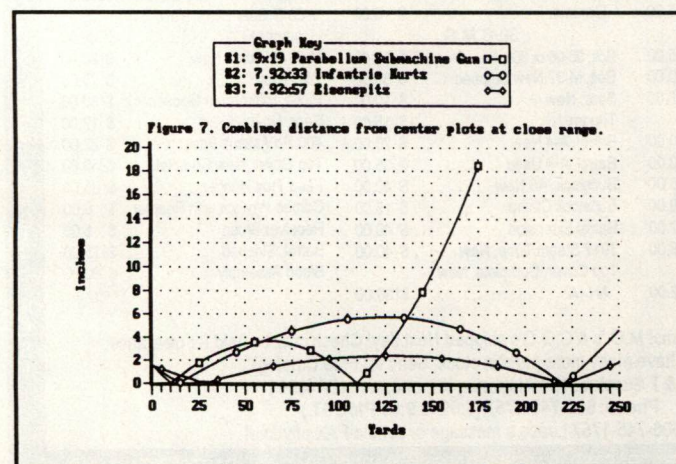
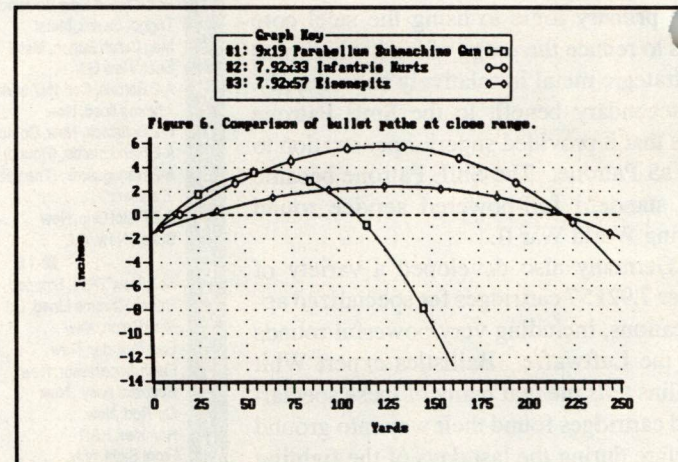
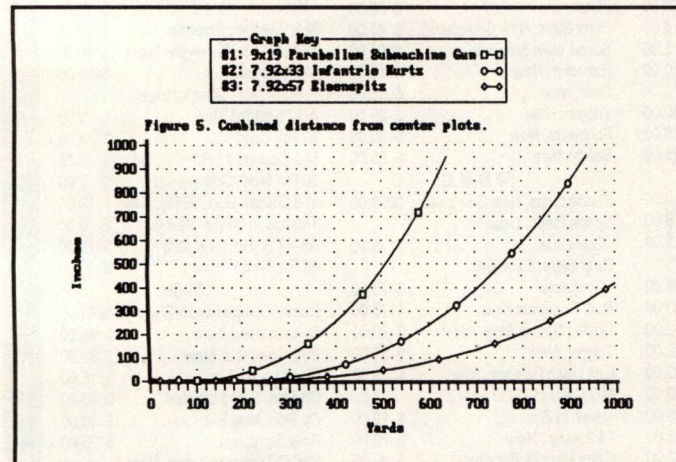
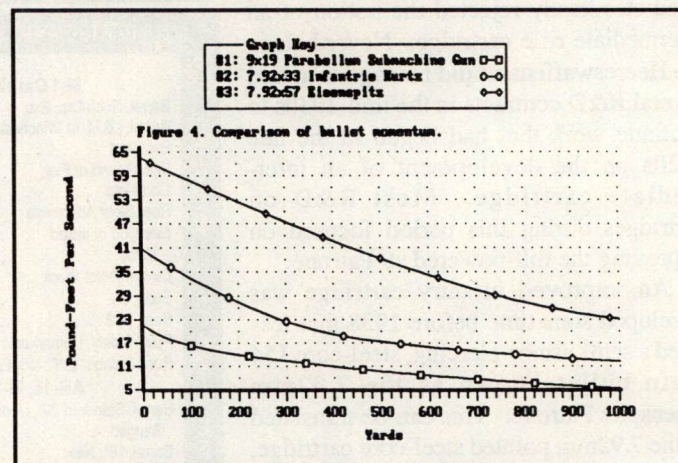
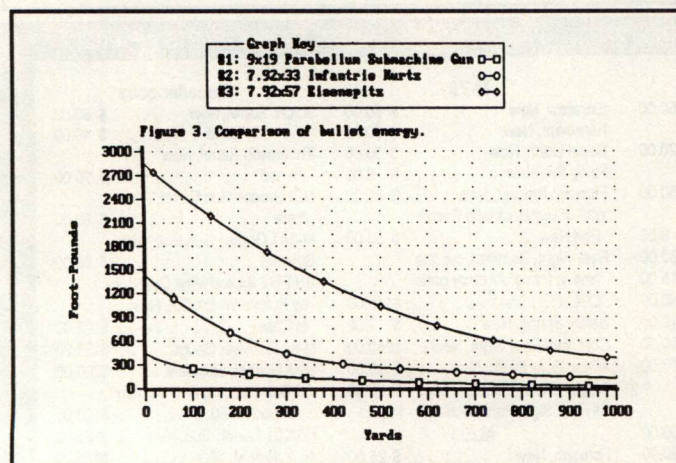
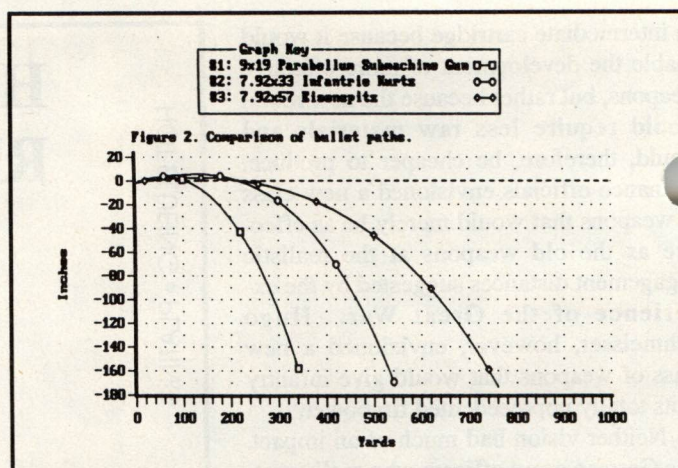
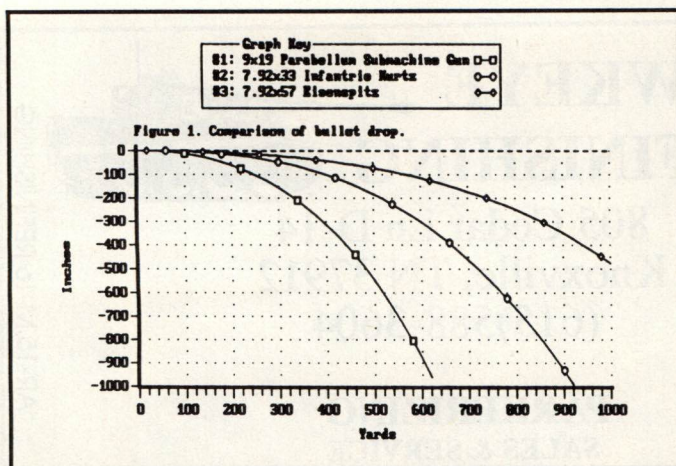
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Deutsche Waffen und Munitionsfabriken (DWM) developed the 7x39 mm cartridge known initially as the 7mm Bergmann Patrone and later as the 7mm Kurz Patrone. This cartridge was eventually used in 1943 by the Mauser Werke in Oberndorf for the Maschinenkarabiner Gerat 06.

During this period of low-profile intermediate cartridge development, Hugo Schmeisser immersed himself in other projects of higher priority at the C.G. Haenel Waffenfabrik in Suhl, where he was director of design and development. The German High Command remained unimpressed with the various intermediate cartridges then being considered. Nevertheless, the Heereswaffenamt accelerated the research in 1938 when they issued contract to Polte Patronenfabrik in Magdeburg to develop an intermediate cartridge based more closely on the 7.92x57 full-powered round. Perhaps that approach



would be more likely to sell to the High Command. Equally important, the Heereswaffenamt, Wa Pruf 2 (Army Ordnance Office, Small Arms Research and Development) turned their attention to the development of a suitable weapon for an intermediate cartridge.

They turned to Schmeisser, who was widely viewed as Germany's premier expert on the development of light automatic weapons. The Heereswaffenamt issued a contract to Haenel on May 18, 1938, which would ultimately spawn the StG44. The new select-fire weapon was envisioned to replace both the submachine gun and standard bolt-action rifle. And it would be fabricated from sheet-metal stampings and a minimum of simple machined parts like the Maschinenpistole 38.

The Heereswaffenamt wanted the new weapon to meet the following requirements. It should be shorter and no heavier than an infantry rifle. The mechanism should be simple, and it should be protected as much as possible from outside dust and

dirt. The weapon should be "accurate" in semiautomatic mode to 400 meters, and it should be "effective" with short bursts of full-auto fire to the same distance. The gun should provide a similar trajectory to the standard service rifle out to 600 meters. The new weapon's full-auto rate of fire should be somewhere between 350 and 450 rounds per minute, and it should be controllable during full-auto fire. It should be reliable in both desert and extremely cold environments. And, finally, the weapon should accept the mounting of an optional grenade launcher.

By 1940, Polte had developed the 7.9 *Infanterie Kurz Patrone* (7.9mm Infantry Short Cartridge, or 7.92x33 Polte Short), which shared a lot of dimensions and other characteristics with the full-sized 7.92x57 service round. The early incarnation of the Polte cartridge featured a brass case with a lead-core 126 grain bullet (with a ballistic coefficient of about 0.150) travelling at about 2,130 fps. That early bullet probably had a flat base. Several hundred thousand

rounds were produced for testing the experimental select-fire weapons being developed by Haenel and Walther.

After early combat experience with this cartridge near Cholm, Russia, Polte profoundly improved the bullet by adding a mild steel core. The steel core was not added to improve the penetration of the round but rather to enable the design of a longer bullet of the same weight. The new projectile featured a 6 degree boattail (rather than the flat base of its predecessor) with a 6 ogive radius. The new bullet was slightly longer than three times the bore diameter. The much improved ballistic coefficient was now 0.200 and the new cartridge improved hit probability in combat by well over 25 percent over the earlier Polte cartridge.

The characteristics of the improved Polte 7.92x33 cartridge are detailed in Table 4. Its most salient features are compared to the standard full-power German rifle cartridge (the 7.92x57) in Table 5. Downrange bullet drop, bullet paths, energies, momentums, and combined distances from center are compared in Figures 1-5, respectively. Figures 6 and 7 provide more detailed views of bullet paths and combined distances from center at close range. These plots were generated using the computer program Ballistic Explorer (Version 3.3) from Oehler Research using data provided to me by Whit Collins. The evolution of the official designation of the Polte intermediate cartridge is documented in Table 6.

Whit Collins pointed out to me that the German 9x19 mm submachine gun round, the 7.92x33 Polte round, and the full-powered 7.92x57 service cartridge all strike within sighting of each other at 110 yards (100 meters), so every type of personal weapon can support each other in the assault at close range. Perhaps more importantly, field officers could lay out hasty defensive fields of fire knowing that the Dangerous Area, Cone of Dispersion, and Saturation per Square Meter would mesh within the 100 meter envelope. Figures 6 and 7 support his observation.

The advantages of the 7.92x33 cartridge become especially apparent at 220 yards (200 meters), where the two 7.92 cartridges are comparably effective in terms of hit probability, while the 9x19 mm submachine gun round is vastly inferior. Figures 1 and 2 show that trajectories and bullet paths of the two 7.92mm cartridges are similar to 330 yards (300 meters). Figures 3 and 4 demonstrate that, at least on paper, the wounding

(continues)

**Table 1. General characteristics of the MK42.**

Caliber .....	7.92x33 mm
System of operation .....	gas operated, open bolt, selective fire
Cyclic rate .....	500 rpm
Weight .....	10.8 lb (4.9 kg)
Feed device .....	30 round staggered-column box magazine
Length overall, .....	37.0 in (94.0 cm)
Barrel length .....	14.4 in (36.4 cm)
Front sight .....	hooded, inverted V
Rear sight .....	open V-notch tangent

**Table 2. General characteristics of the MKb 42(H).**

Caliber .....	7.92x33 mm
System of operation .....	gas operated, open bolt, selective fire
Cyclic rate .....	600 rpm
Weight .....	9.7 lb (4.4 kg)
Feed device .....	30 round staggered-column box magazine
Length overall .....	36.7 in (93.1 cm)
Barrel length .....	16.0 in (40.6 cm)
Front sight .....	hooded, inverted V
Rear sight .....	open V-notch tangent

**Table 3. General characteristics of the MP44 and StG44.**

Caliber .....	7.92x33 mm
System of operation .....	gas operated, closed bolt, selective fire
Cyclic rate .....	500 rpm
Weight .....	11.5 lb (5.2 kg)
Feed device .....	30 round staggered-column box magazine
Length overall .....	37.0 in (94.0 cm)
Barrel length .....	16.5 in (41.9 cm)
Front sight .....	hooded, inverted V
Rear sight .....	open V-notch tangent



**Table 4. Detailed characteristics of the 7.92x33 mm Infanterie Kurz Patrone.**

Cartridge length	1.88 inches	47.8 mm
Case length	1.30 inches	33 mm
Bullet length	1.01 inches	25.8 mm
Bullet weight	126.4 grains	8.19 grams
Powder weight	23.2 grains	1.5 grams
Cartridge weight	256.9 grains	16.7 grams
Bullet diameter	0.323 inch	8.20 mm
Muzzle velocity	2,247 feet per second	685 meters per second

**Table 5. General characteristics of the 7.92x33 mm Infanterie Kurz Patrone compared to the 7.92x57 mm Eisenspitz Patrone.**

Characteristic	7.92x39 mm Infanterie Kurz Patrone	7.92x57 mm Eisenspitz Patrone
Cartridge length	1.88 in (47.6 mm)	3.17 in (80.5 mm)
Case length	1.30 in (33 mm)	2.24 in (57 mm)
Bullet weight	126 grains (8.2 grams)	154 grains (10.0 grams)
Bullet diameter	0.323 in (8.20 mm)	0.323 in (8.20 mm)
Ballistic coefficient	0.200	0.360
Muzzle velocity	2,247 fps (685 mps)	2,880 fps (878 mps)
Muzzle energy	1,408 ft lb	2,835 ft lb

**Table 6. Evolution of the official designation of the 7.92x33 mm cartridge.**

Year	Official Designation
1941	7.9 Infanterie Kurz Patrone
1942	Maschinenkarabiner Patrone S
1943-1944	Pistolen Patrone 43 m.E.
1945	Kurz Patrone 43 m.E.

potential of the 7.92x33 cartridge remains about half that of the 7.92x57 cartridge out to beyond 800 meters. While such performance is better than one might expect, the sophisticated design of the improved 126 grain Polte bullet provided much more wounding potential than the aforementioned paper ballistics suggest. This is because lead sheeting was cold-formed around the mild steel core, providing a tail-heavy balance. A steel jacket with a coating of gilding metal completed the boat-tail bullet.

The tail-heavy balance and the boat-tail of the bullet caused the bullet base to yaw upon impact, so the bullet would tumble through flesh. The tumbling Polte bullet created almost as much real wounding power as the 7.92x57 round at any realistic engagement distance. For any students of ballistics interested in a Hatcher comparison of stopping power, Whit Collins tells me that pointed-bullet yaw of the 126 grain Polte bullet should be assigned a Bul-

let Conversion Factor of 1,300. The Hatcher Relative Stopping Power is then 23 at 800 yards, which is very similar to the German 9x19 submachine gun round at 100 yards. In other words, according to this RSP calculation, the wounding potential of the 7.92x33 cartridge at 800 yards is about the same as the 9x19 cartridge at 100 yards.

Development of suitable weapons for this remarkable Polte cartridge continued apace. By 1940, Haenel had designed a prototype gas-operated weapon for the Polte cartridge. Unfortunately, Haenel had no experience producing sheet-metal stampings, so Schmeisser turned to a more experienced company which used this technology to make business machines. Engineers from the Merz Werke of Frankfurt brought Haenel up to speed in the necessary skills to mass produce quality stampings, even though Merz had no experience with weapons. There were a lot of serious teething problems and personality conflicts along the way, but Haenel began producing prototype weapons in late 1941.

The new weapon was called the Maschinenkarabiner 42 (Machine Carbine 42). The MK42 featured a simple gas-operated mechanism which fired from an open bolt. The gas piston and operating rod cycled in a gas tube above the barrel. And, contrary to the practice with submachine guns, the cocking handle was located on the left side of the receiver so the right (firing) hand could remain in place while recharging the

weapon. The stamped magazines were based on the Schmeisser-inspired magazine used for the MP38. The general characteristics of the MK42 can be found in Table 1.

The Heereswaffenamt quickly evaluated about 35 prototypes at Kummersdorf, their proving ground. Some minor changes to the gun and the magazine were suggested. Haenel decided to mass produce the modified weapon, which was officially called the MKb 42(H), while they continued to develop the concept into a better closed-bolt weapon that the High Command might adopt as the standard infantry weapon. The H suffix was incorporated into the name to distinguish the weapon from a similar machine carbine being developed without government sanction by Walther. The Walther weapon was called the MKb 42(W).

Actual deliveries of the MKb 42(H) began in November 1942 after a lot of bugs had been worked out of the manufacturing process. The general characteristics of the MKb 42(H) can be found in Table 2. About 7,800 guns had been rushed to the Russian Front by the end of April 1943.

Perhaps the most spectacular documented use of the MKb 42(H) took place in late 1942, when some of the earliest guns were airdropped to Kampfgruppe Scheer. The Germans were encircled and vastly outnumbered by units of the Red Army near Cholm, Russia. The MKb 42(H) provided the trapped Germans with the reach, firepower and handiness necessary for one of the most dramatic breakouts in military history. The German High Command was finally impressed. So were the Soviets.

Here was an excellent combat tool for both assault and defense against conventional forces or entire Soviet battalions equipped with PPSH submachine guns. The MKb 42(H) proved especially devastating against the latter, for the Germans could engage massed Soviet attacks with effective fire for 300 yards before the Soviets could begin to return effective fire themselves with their submachine guns. The German troops in the field loved the new weapons.

Even stodgy staff officers in Berlin grudgingly admitted the effectiveness of the new weapon and its intermediate cartridge. But not Adolf Hitler. He was obsessed with the notion that Germany had stockpiled 8 billion rounds of 7.92x57 ammunition which must not be rendered obsolete. Furthermore, his own experiences in the Great War coincided with the contemporary Luftwaffe contention that



only the full-powered rifle cartridge would provide the necessary reach.

The memories of the Fallschirmjäger debacle on Crete were too fresh in Hitler's mind, as well. Paratroopers armed largely in submachine guns had tried to capture the island of Crete in 1941. The paratroopers got cut to ribbons by the British, who often engaged them with rifles and Bren guns as far away as 1,600 meters. The trauma at Crete made the Luftwaffe conclude they needed a light, select-fire weapon firing the German full-power rifle cartridge.

The net result of all these considerations was that Hitler had absolutely no patience for the concept of a machine carbine firing an intermediate cartridge.

Just as this new class of weapon and cartridge was proving its worth in the hands of elite troops on the Russian Front, der Führer went into a tirade and expressly forbade the further development of any new weapons based on an intermediate cartridge. Yet development of the concept continued, at some real risk to the conspirators.

The term Maschinenkarabiner (Machine Carbine) was dropped. The Heereswaffenamt clandestinely continued the project, renaming the MKb 42(H) the Maschinenpistole 42. Haenel's new, vastly improved closed-bolt weapon was called the Maschinenpistole 43. This made it appear in Berlin as if the MP42 and MP43 were merely improvements upon existing weapons of pistol caliber. The new "machine pistols" were delivered to Heeresgruppe Nord (Army Group North) on the Eastern Front in June 1943. They proved so effective in combat that Berlin was awash in favorable reports by September. The cat was out of the bag.

Hitler softened his resistance in the face of the weapon's superb performance in the field. Hitler approved accelerated production of a slightly improved variant of the closed-bolt design, which was called the MP44 (see Table 3). To capitalize on the propaganda value of fielding a new "super-weapon," Hitler directed in December 1944 that the nomenclature be changed from Maschinenpistole 44 to Sturmgewehr 44. The assault rifle was born.

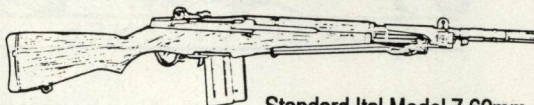
We'll evaluate the design, performance and handling characteristics of the Sturmgewehr 44 in the next issue of Machine Gun News.

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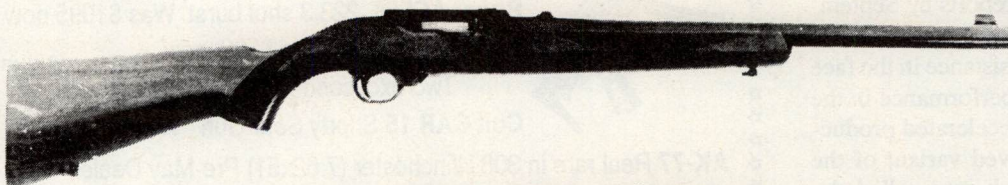
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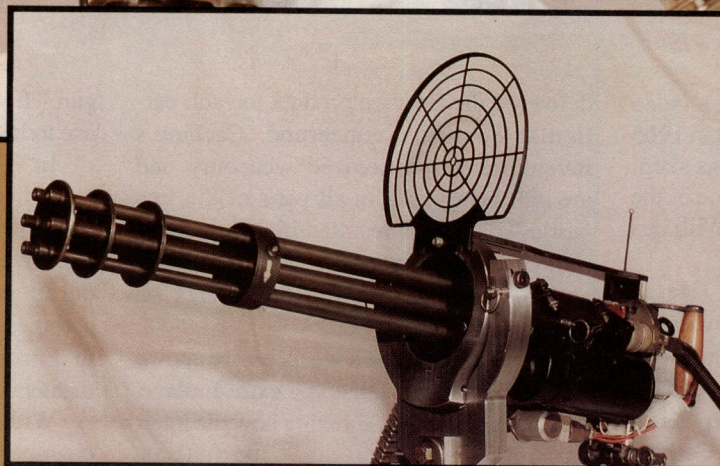
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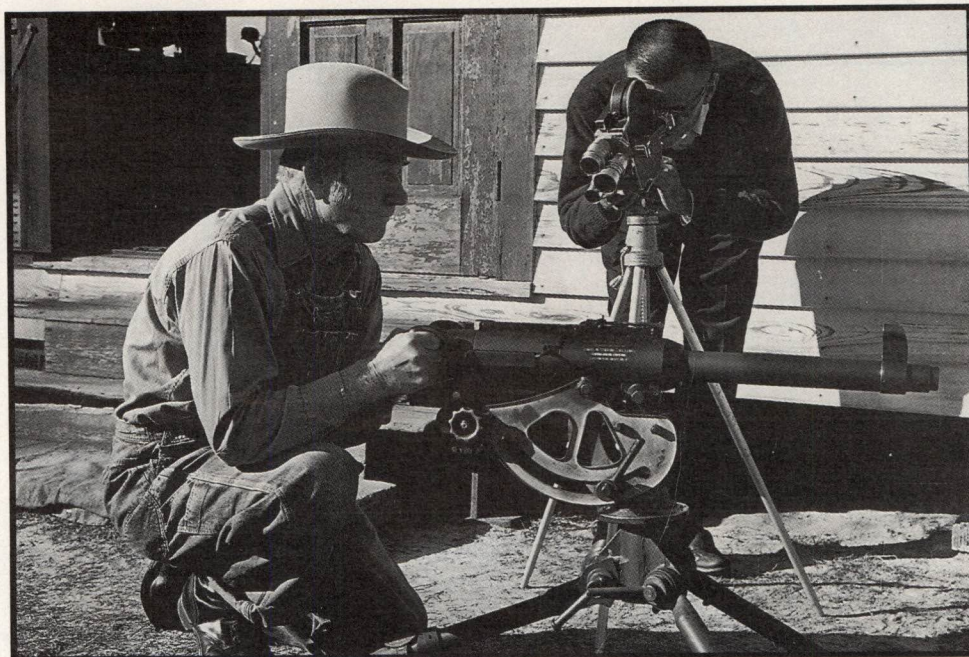
The mount is custom made by Select-Fire in Connecticut, with a zero net torque design, and the gun remains steady during firing. Features include: adapter mounts to standard Browning pintle and T&E, integrated

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## In the Sights of a Weapon Genius

by *RICHARD LEWIS*

**I** was asked recently to review a video that contains film footage shot in 1965 using a 16mm camera. At first I was skeptical. But believe me it contains some of the most amazing footage of Carbine Williams I have ever seen.

The original photographer (Harry Joyner) along with another eyewitness (Martin Hill) narrate the film. They talk about their recollections of Carbine and his weapons. You see the actual weapons in action and hear interviews with Carbine talking about how he developed some of his revolutionary inventions. You are taken on a tour of Carbine's workshop. The building and its tools are preserved in the North Carolina Museum of History just as they functioned under his capable hands.

When listing the few inventive geniuses in the field of American weapons development, history records the name Carbine Williams with that of Colt and Browning. Not only did he come up with ideas, but he designed, hand made, perfected and

delivered the finished product to each particular company concerned. Carbine's inventions revolutionized weaponry and are still being used in all parts of the free world. His genius resulted in vast production of military weapons (over 8 million carbine rifles made) and 58 patents on weapons.

Seven of Carbine's weapons are shown in the film along with some extra footage, shot in slow motion, showing how the internal workings of a machine gun function together. This piece of filming shows explicitly Carbine's genius in the development of his short stroke principle and how it revolutionized military weapons.

Several of the interviews date back into the 1950's. Carbine tells you about how his short stroke principle works and why it moves less than 1/10 of an inch. It was heralded as, "one of the greatest revolutionary advances in gun design since Browning's development of his machine

gun." It was invented in 1929 and is still in use today.

In WWII the short stroke principle was embodied in the famed US Army carbine. Along with his invention of the gas piston, this invention increased the firepower of our infantry by at least 1/3. Eight million carbines were manufactured for our troops in Europe, the Pacific, and the Korean theaters of war.

With the invention of the "movable chamber," Carbine found a way to make it possible to use .22 caliber ammunition to train troops in the use of the machine gun without modifying the action or feel of the original weapon. And, as was his method, Carbine was also able to adapt this principle to the U.S. Army .45 caliber automatic service weapon. This discovery saved the United States an estimated \$1 million in training costs.

Carbine also invented the world famous Remington Model 550 (auto rifle). It fired .22 short, .22 long and .22 long rifle rounds.

Machine Gun News - May 1993



No such weapon existed before that time. In the November 1956 issue of *Sportsman Magazine*, weapons expert Gil Paust named the Remington Model 550 .22 Rifle as "one of the world's six best rifles." Between 1941-1956 over one million of these rifles were sold.

Another design produced by Carbine was an "impossible shotgun" (Winchester Model 50). It was the first shotgun in the history of firearms that was automatic but without a recoiling barrel. It's the only shotgun in the world combining a non-recoiling barrel and independent chamber. The action is so instantaneous and smooth your second shot is not disturbed.

The video also shows the first gun he ever made. This wooden pistol which he made at the age of ten is demonstrated in the video by Carbine himself. It shot black powder and buckshot. The barrel was made out of reed and reinforced with fishing twine.

One thing I found most interesting is the test firing of a prototype .22 caliber machine gun at Fort Bragg, NC. This film was shot in 1965 just as the Vietnam War was escalating. The test firing was done for several high ranking military officers.

Carbine Williams' guns were engineered so well that he showed up for the test firing with no spare parts, no back up weapon and with cartridges purchased at a local hardware store. He proceeded to demonstrate the world's fastest firing machine gun. It was capable of 2000 rounds per minute using .22 caliber ammunition. The weapon was engineered with 2 rates of fire that were adjusted just like working the safety on the gun. The rate of fire is 1000 or 2000 round per minute. In three seconds this machine gun is capable of firing a 100 rounds. Yet even with the weapon's incredible firepower and reliability, the U.S. Government made no effort to accept or even further test this remarkable weapon.

For over 26 years this footage was forgotten in the attic of the photographer until, by luck, it was rediscovered. In my research I found out that not even the firearms companies whom Carbine worked for, such as Winchester, Remington, Browning nor Colt, have ever seen this incredible film. The photographer has produced a fine video from this rare film footage on standard VHS video cassette.

This video is available for \$29.95 from Multi-Video, Inc., 830 Lamar Ave., Charlotte, NC 28204 or order toll-free: 1-800-289-0111. Ask for department MG.

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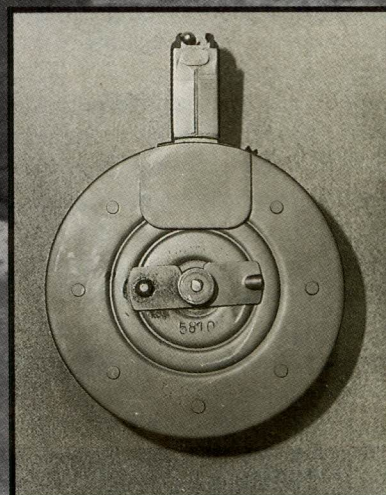
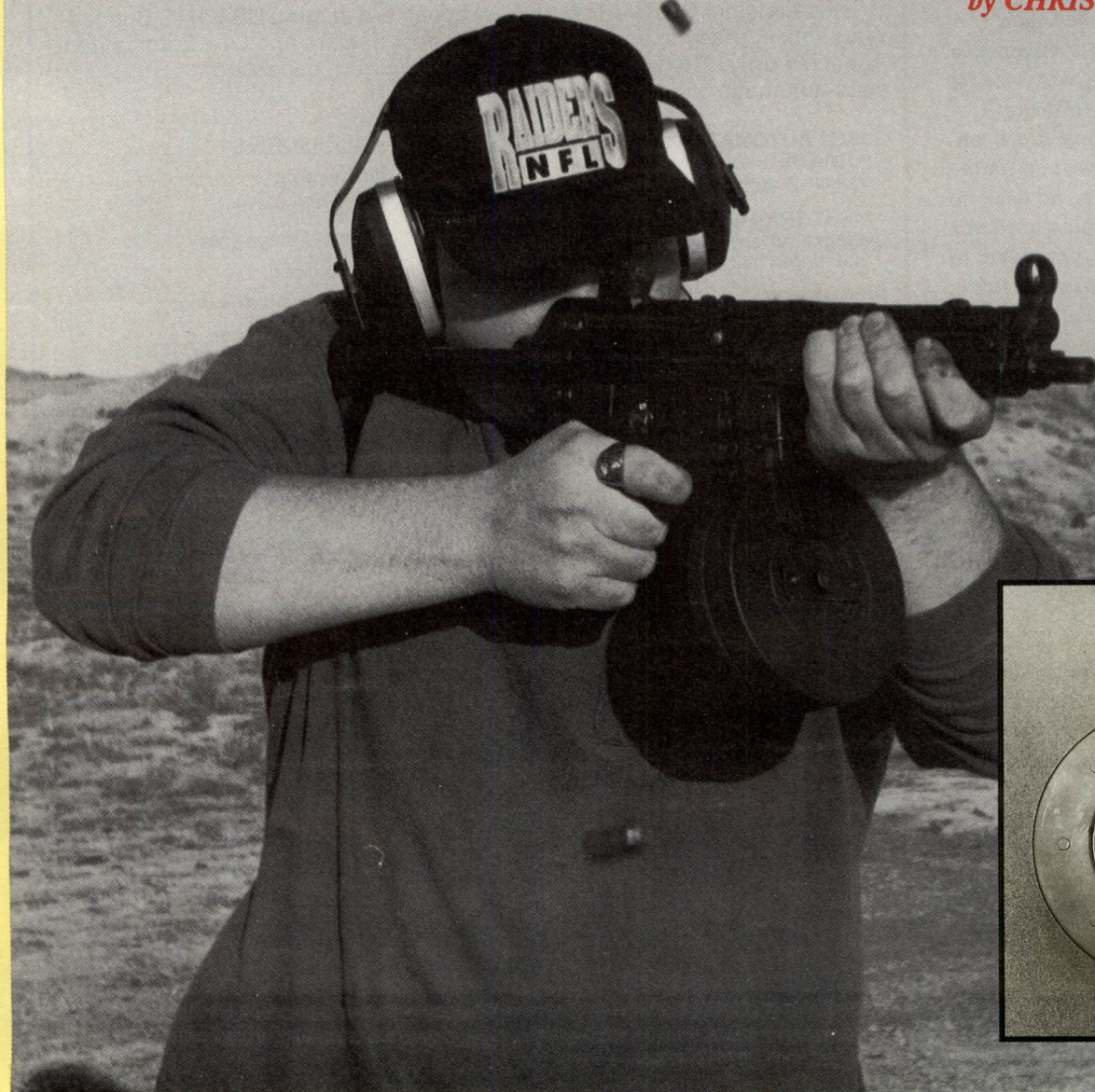
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# MAXIMUM FIREPOWER

## The C&S Metall-Werkes MP5 72-Round Drum

by CHRIS A. CHOAT





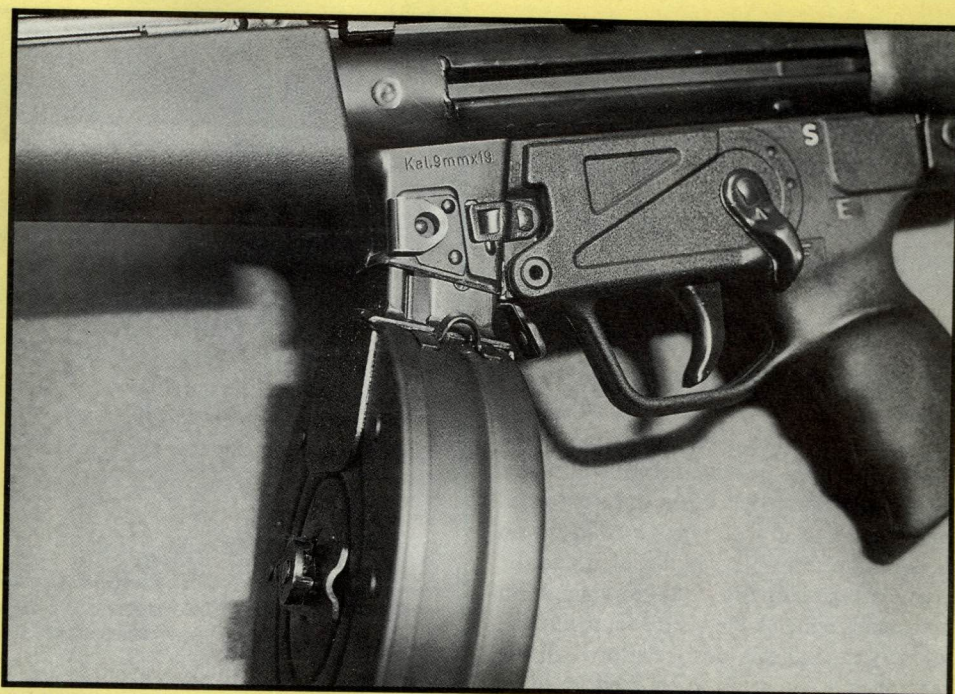
In the never ending quest for an even larger ammunition supply for full-auto guns a new company has emerged. This company has come up with what is the largest and also the most reliable magazine the MP-5 that this author has seen. C&S Metall-Werkes of St. Charles, MO is now in full production of their new 72-round drum for the H&K submachine gun. The drums start life as PPSH-41 drums which C&S all but rebuilds to convert them for MP-5 use.

These drums were originally designed for the Soviet PPSH-41 submachine gun chambered in caliber 7.62mm Type P. They held 71 rounds of this ammunition. The PPSH-41 could be fed with either the drum or a 35-round stick magazine.

C&S has found that by modifying the drum internally it could also feed the standard 9 x 19 mm cartridge (9mm Parabellum). This proved to be the first hurdle of many in converting the drums for use in the MP-5. But with perseverance and months of hard work the end result is truly a work of art.

Ken Choate and Jon Shoop are the driving forces behind C&S Metall-Werkes. They started this project almost a year ago and they now have a product that will have full-auto competitors as well as tactical users beating a path to their door.

My testing on this product was actually delayed several months because they could simply not build these new drums fast enough. As soon as they were built they were shipped out to fill standing back orders. In fact, Jon told me that they decided not to attend the fall '92 Knob Creek competition because they didn't think it would be fair to people waiting for back ordered



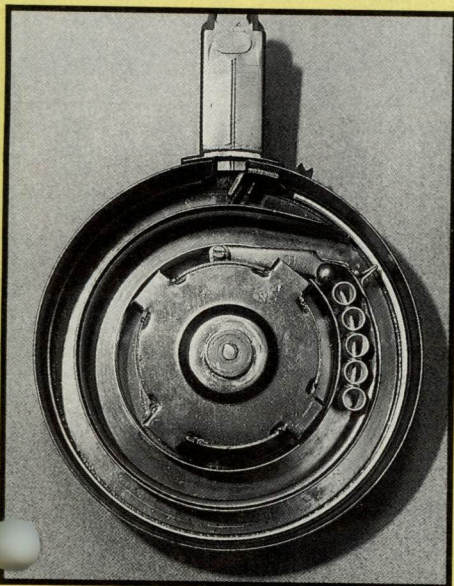
The drum uses 3 inches of an original MP-5 30-round curved magazine which provides positive weapon lock-up as well as the best in reliability. Workmanship and quality of finish is evident in this photo.

drums if they set up at the Creek trying to sell drums. It's nice to see this kind of commitment in new companies these days.

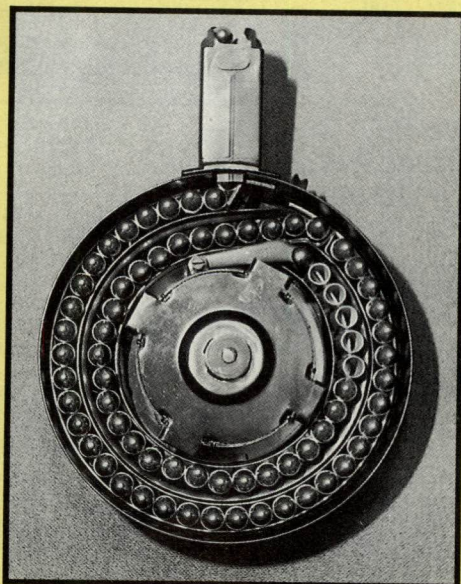
Anyway, now they are in full production and here's the rest of the story. As soon as the test drums arrived I, my son Trevor and two MP-5's headed for the range. The drums were loaded with ball 9mm and the shooting started. From the first round to the last round fired that day both drums worked flawlessly, never missing a beat in around 500 rounds of ammo. Trevor summed it up saying "You know, it's nice to have a new product work like it's supposed to, right out of the box." To this day both drums have had well of 1000 rounds each fired through

them with absolutely **NO MALFUNCTIONS**. The drums just keep working and working. They also shoot and shoot and shoot. Seventy two rounds seems almost like a never-ending ammo supply. Several types of ammunition have been used in testing these drums and all work equally well. Basically, if your gun feeds your ammo with standard magazines it will also work with the drum.

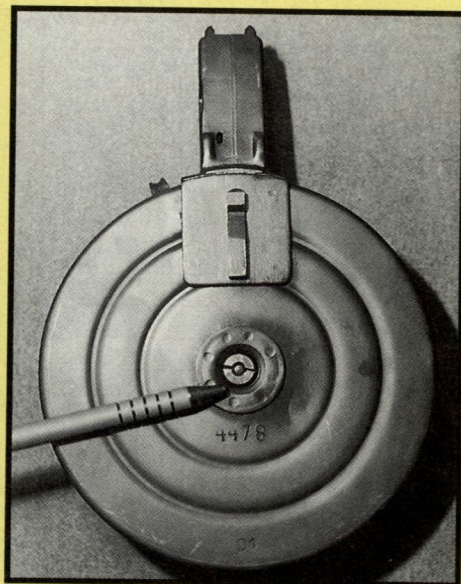
The drums load very easily and best of all it doesn't take all day to do it. To load the magazine, first push the winder release button located on the back of the drum. This releases a latch gate on the front which swings down and allows the (continues)



Internal view of the drum shows the winding mechanism, shell guide spiral, and heavy duty follower.



With 72-rounds of ammunition the C&S drum offers over twice as many rounds of ammo as the standard MP-5 magazine.



The drums winder release button is located in the center of the backside.



front plate of the drum to be removed. Then, while holding the internal cartridge guide spiral, the winding mechanism is wound 4 clicks. You then let go of the cartridge guide and continue to wind the drum 4 more clicks. Once this is done the drum is filled with 62 rounds of ammunition positioned bullets up. Then holding tension on the winder the winder release button is again pushed and the winder is allowed to "unwind" pushing cartridges up into the 3 inch MP-5 magazine body that has been welded to the drum. The winder is then wound 1 more click which allows the last 10 rounds to be added. While this may sound complicated it takes only about as long to do it as to read this. Once the drum is filled the front plate is installed and the drum is ready to fire. Unlike other drum magazines which have been adapted to different weapons this design allows all the cartridges in the drum to be fired. In other words, no cartridges are left in the drum to be used as "dummy" follower rounds.

The drum weighs 2.75 lbs. unloaded and 5 lbs. loaded but once inserted into the gun balances very well. The drum is almost identical in length to the standard curved 30-round MP-5 magazine and is only 5.5 inches wide. As the drum uses a portion of an original H&K MP-5 stick magazine, it



The H&K MP-5 with the C&S Metall-Werkes 72-round drum offers maximum firepower in a very small package. This drum is already a hit with competitors as well as police agencies.

locks to the gun positively and either MP-5 magazine release can be used to remove it.

Quality of the drums is first rate from operation to cosmetic appearance. Once the work on the drum is completed the entire unit is bead blasted and refinished to match the MP-5's color. The drums are very well built and will stand up to years of heavy use. These drums are not cheap but then quality never is. They retail for around

\$300.00 and MP-5 shooters are standing in line to get them. C&S has done their homework and is producing a quality product. This drum is one of the few MP-5 accessories that matches the quality and reliability of the gun itself. MGN

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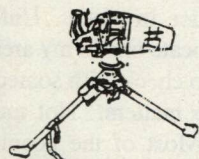
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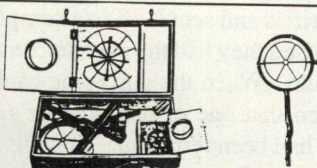
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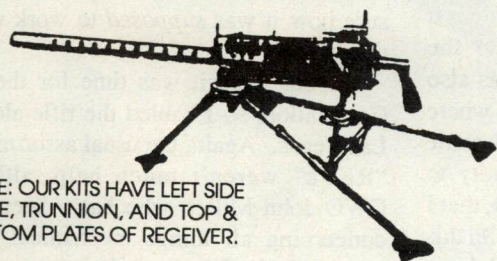
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# The AK "Rate Reducer"

**The subject of this article is a little-known... and even less-understood... device found in some members of the ubiquitous Kalashnikov family of assault rifles.**

*by KEN CARTER*

Referred to variously by Western experts as a "rate reducer" or an "anti-bounce device", this complex, five-piece mechanism was designed to replace the trigger and disconnector of the AK47 in the newer AKM series of arms. Its exact purpose has been the subject of no small amount of conjecture (more on that later), but for the moment, we'll refer to it as a rate reducer, since it does, in fact, accomplish that task...and the term takes less time to type than "anti-bounce device".

There are a couple of reasons why these parts are rarely encountered in this country.

Discounting a scant number of dealer samples that came in from China and elsewhere, most of the Title Two guns in the hands of American collectors are remanufactured semi-autos. Almost without exception, these converted rifles are of the "Modernizirovanniyi Avtomat Kalashnikova" variety - either Egyptian or Hungarian AKM's or Chinese AKS's - which feature a reinforced, sheet-metal receiver. Virtually all of these were converted, however, using parts kits modeled after the trigger mechanism of the older, *machined-receiver* AK47.

Other than a few (mostly unregistered) Vietnam bring-backs and the occasional museum piece, the first AK's to reach U.S. shores in any quantity were the Egyptian Maadis. These had been modified to prevent full-auto fire, but otherwise were near-perfect clones of the Soviet AKM, right down to the painted finish and laminated stocks. And for good reason. During a period when Egypt and the USSR were on friendly terms, the Russians had set up a plant in Egypt to produce rifles for that country's military forces. Later, the Egyptians kicked the Soviets out, but kept the rifle, which has a reputation for functioning well in sandy environs.

As soon as I could, I acquired one of these rifles and sent it off to a company that advertised they had the parts to convert it to full-auto. When the gun came back, I discovered that one of the receiver's support rivets had been removed. This was done to make room for the trip arm connected to the full-auto, or secondary, sear. This sear mates with a notch on the lower-front portion of the hammer; in fully automatic fire, when the trigger is held to the rear, thus disengaging the primary sear, the secondary sear prevents the hammer from moving forward to strike the firing pin until the bolt and bolt carrier are in their forward-most position. The sear is released when a protrusion at the rear of the bolt carrier strikes the trip arm just as the carrier ceases forward movement.

This blade-shaped trip arm extends upward inside the right wall of the receiver, and is required to tilt back and forth in an arch that encompasses the area taken up by the support rivet that had been removed.

I was concerned about the rivet's removal, since I reasoned that it would not have been there in the first place unless it was necessary to add strength to the stamped steel receiver. The gun was also left with a couple of unsightly holes where the rivet had been. It wasn't until some time later, when I had an opportunity to examine an original select-fire AKM, that I realized the solution to the problem. On this gun, the rear of the trip arm had been notched, allowing it to fit *around* the rivet. It was obvious that the Class II manufacturer, in making the conversion parts, had copied a set from an earlier, *machined-receiver* AK47, which contained no rivets.

I informed the manufacturer of my discovery, and he subsequently modified his kits, although he refused to correct my gun.

(I later had Fleming Firearms notch my trip arm and replace the rivet.)

The original AKM I saw, of Yugoslav manufacture, was also fitted with a rate reducer, although at the time I had no idea what I was looking at. It is doubtful that the manufacturer of the conversion kits had ever seen one of these devices. In any event, it is unlikely that he would have tried to duplicate it, since it would unquestionably have been more expensive to make. Besides, the older style kits, with the modified trip arm, served the purpose.

Not long ago, at a gun show, I came across an unusual set of parts that had reportedly been brought back from Grenada by a GI. Suspecting that they comprised the elusive rate reducer, I picked them up with the idea of trying them in one of my converted AK's. It took some doing, but I eventually got them installed and working.

## The Quest

Before attempting to swap out the parts with those in my gun, I thought it would be helpful to take another look at an AKM that already had the device in place. Unfortunately, I couldn't locate one in my area.

Next, I decided to check with someone experienced in these matters. Not much luck there, either. Most of the people I asked had heard of them, a few had even seen them, but no one knew exactly how to fit them to the gun.

So I plunged on in. I managed to get all the pieces in the receiver, replacing the existing trigger and disconnector, but the thing wouldn't work. The fact that I wasn't sure how it was *supposed* to work wasn't much help!

About then, it was time for the SOF Convention, so I hauled the rifle along to Las Vegas. Again, the usual assortment of "RKI's" weren't much help, although CWO John Miller, who has a keen mind concerning all things mechanical, made some meaningful suggestions.

Given John's help, and a little more tinkering, I was finally able to work out the bugs...most of which stemmed from the positioning and shape of the AK's multi "do everything" hammer/trigger spring.

There was an amusing sidebar to all this. During my quest for information - I wasn't even sure I had all the parts (continues)

Machine Gun News - May 1993



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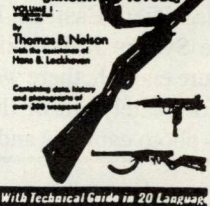
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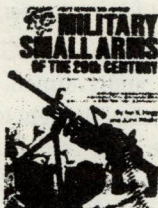
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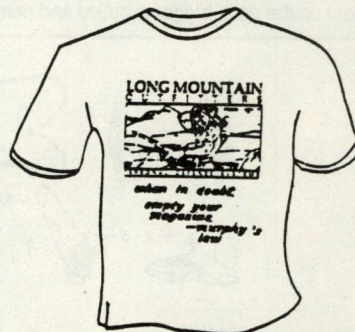
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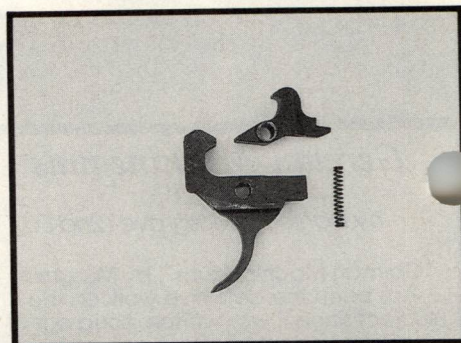
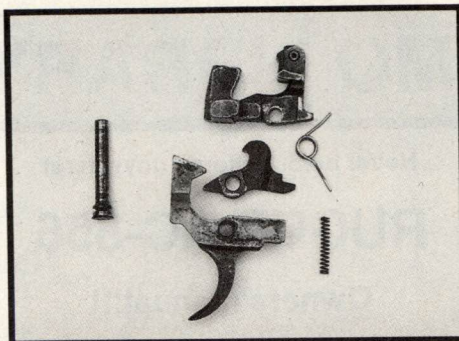
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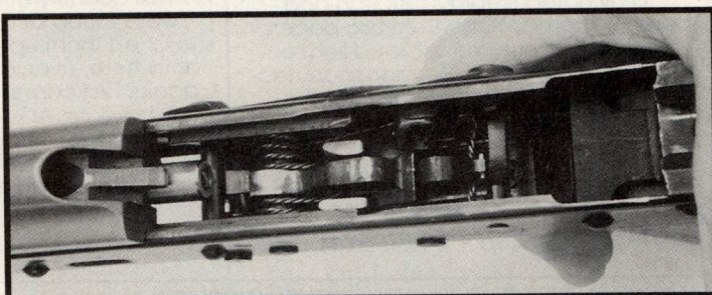
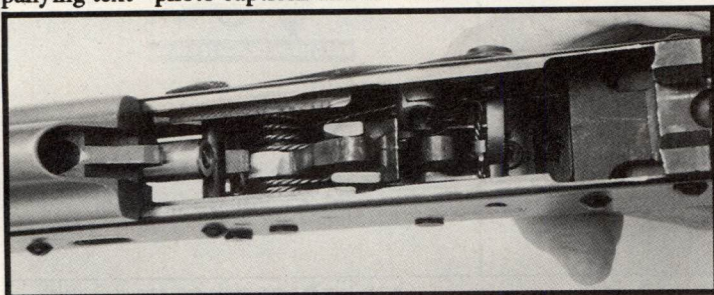




I needed - I had occasion to correspond with a gentleman, an arms engineer, who lives in a former Warsaw Pact country. He surely would have the information I needed at his fingertips, right? I took a picture of my parts and included it in the letter. By return mail, I received a photocopied diagram (from some definitive, only-recently-declassified Eastern European treatise on the System Kalashnikova, certainly!), and sure enough, there was my rate reducer. Unfortunately, all of the accompanying text - photo captions and the like -



Exploded views of rate reducer assembly (left) and AK47-style trigger and disconnector (right). Although disconnectors appear similar, they are not interchangeable.



Left photo shows hammer cocked in "ready to fire" position, engaged by primary sear hook (bottom center). (Note that auto-sear at base of hammer is disengaged.) In the photo on the right, trigger is pulled and primary sear disengaged; rate reducer rocker/cam is shown an instant before slipping to the rear, releasing hammer.

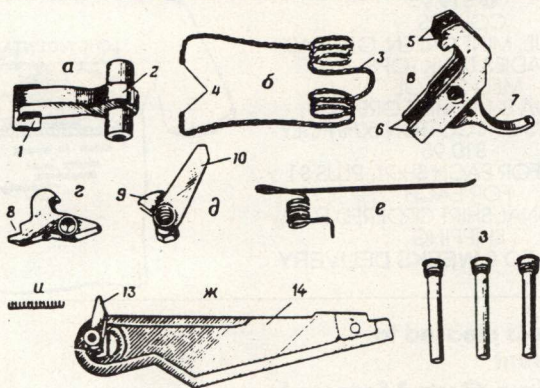


Рис. 37. Детали ударно-спускового механизма:

а — курок; б — боевая пружина; в — спусковой крючок; е — шептало одиночного огня; д — автоспуск; ж — пружина автоспуска; з — переводчик; 3 — ось; и — пружина шептала одиночного огня; 1 — боевой взвод; 2 — взвод автоспуска; 4 — петля; 5 — фигурные выступы; 6 — прямоугольные выступы; 7 — хвост; 8 — вырез; 9 — выступ (шептало); 10 — рычаг; 11 — цапфа; 12 — шток; 13 — сектор

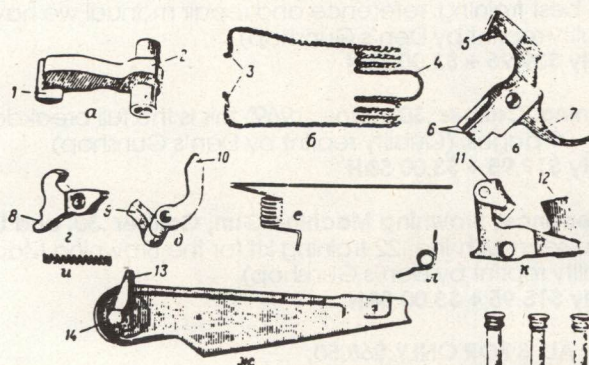


Рис. 41. Части ударно-спускового механизма:

а — курок; б — боевая пружина; в — спусковой крючок; е — шептало одиночного огня; д — автоспуск; ж — пружина автоспуска; з — переводчик; 3 — ось; и — пружина шептала одиночного огня; к — замедлитель курка; л — пружина замедлителя курка; 1 — боевой взвод; 2 — взвод автоспуска; 4 — петля; 5 — фигурный выступ; 6 — прямоугольные выступы; 7 — хвост; 8 — вырез; 9 — шептало; 10 — рычаг; 11 — защелка; 12 — передний выступ; 13 — сектор; 14 — цапфа

Illustration shows difference between AK47 internal parts (top) and those for AKM (below): 1. hammer; 2. full-auto sear notch; 3-4. hammer/trigger spring; 5. primary sear(s); 6. trigger base extensions; 7. trigger; 8. disconnector; 9. full-auto (secondary) sear; 10. auto sear trip arm; e. auto sear spring; r. rate reducer spring; k. rate reducer body; 11. rate reducer rocker; 12. rate reducer hook; 13. selector; 14. selector lever.

Illustrations from *The AK47 Story*, E.C. Ezell

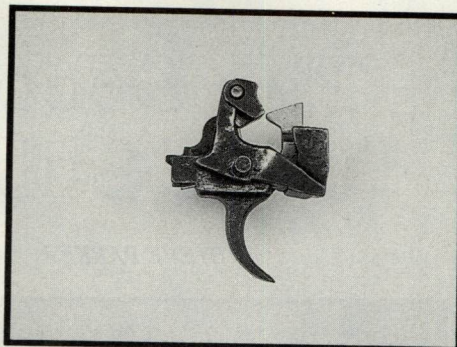
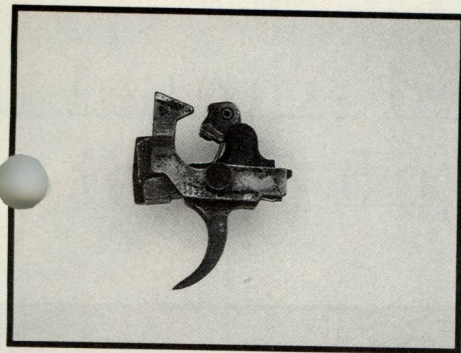
was in Russian and German. I do not do Russian and German. It was a couple of days before I thought to look on the back of the page, and found that my pen pal had noted the source of the picture; it was from a German printing of Smithsonian curator Dr. E.C. Ezell's excellent book on the subject, "The AK47 Story". I went out and bought the book.

### Function

Before beginning installation, it is helpful to understand how the rate reducer (aka anti-bounce device) functions.

The heart of the device is a small rock-er-like apparatus, or "cam", that is positioned to the right-rear of the hammer. With the selector switch set on "fully automatic", functioning of the firearm is identical to that of an AK47, or a converted AKM/AKS, up to the point where the bolt carrier strikes the trip arm and the secondary sear is released. As the hammer begins its forward movement, however, it is caught momentarily by the rocker, which snags the right-hand protrusion of the hammer's "T" shaped head. The rocker, held to the front by a weak pigtail spring, precariously retards the hammer's travel until the jar of the bolt and bolt carrier slamming home causes its sloped bearing surface to slip rearward, releasing the hammer. Upon its release, the hammer also momentarily bumps an abbreviated hook at the front of the rate reducer before continuing its journey forward. The result is a delay of approximately .018 of a second in the time it takes the hammer to strike the





Left and right views of assembled trigger/rate reducer group. Note position of pigtail spring, which holds rocker in forward position.

firing pin, and an overall reduction in cyclic rate from about 700 rpm to less than 600.

#### Installation

To remove the existing trigger and disconnect, use a screwdriver to pry inward on the tail of the auto-sear spring, which lies along the left side of the receiver. When this has been removed from the retaining groove in the trigger pin, the trigger pin can be pushed out from right to left, taking care not to lose the disconnect spring. Lift out disconnect, disconnect spring and trigger.

Note: If you are modifying a gun with a trigger that has a "single hook" primary sear, such as that found on the Maadi, this trigger can be retained for use with the rate reducer; you can also use the existing disconnect spring. However, you will need an AKM-style disconnect in addition to the rate reducer and rate reducer spring. On Chinese AKS's, which utilize "double hook" triggers, you will need to acquire an AKM trigger, as well.

The first step in installing the parts is to pre-fit the disconnect, disconnect spring and the rate reducer spring into the base of the trigger. (The "pigtail" rate reducer spring fits into a recess to the right of the disconnect, with one leg extending to the rear and the other pointing up.)

Ease this assembly into the receiver, allowing the trigger to drop through the hole in the floor of the receiver. Using a screwdriver or similar tool, position the ends of the multi-ply hammer/trigger spring over the rear trigger extensions. Next, insert a large punch (as near the diameter of the trigger pin as possible) from the right side of the receiver and align the holes in the trigger, rate reducer spring and disconnect.

The trigger pin can now be inserted from the left (making sure it is beneath the tail of the auto-sear spring) and, following the path of the punch as it is removed, pushed through until it is flush with the right side of the trigger base. Install the rate reducer and push the trigger pin on through

to the hole in the right side of the receiver. Slip the tail of the auto-sear spring into the retaining groove in the trigger pin. All that remains is to slide the upward leg of the rate reducer spring into its notch at the rear of the rocker.

#### Troubleshooting

Should (1) the rate reducer's rocker fail to sufficiently retard the fall of the hammer, or (2) the rocker fail to release the hammer when the bolt closes, it will be necessary to increase or decrease the tension of the rate reducer spring. This is done by removing the spring and widening or closing the angle of the two legs slightly.

It may, too, be necessary to straighten the portion of the hammer/trigger spring that extends along the right wall of the receiver, so that it does not hamper the movement of the rate reducer body. This can be easily done with pliers without removing the spring.

I also found that, with the rate reducer installed in my Maadi, the gun fired fully automatic when the selector was set on "semi". On this very early conversion, the outside selector lever stop (just above the magazine release on the right side of the receiver) had not been ground down. This prevented the selector from pivoting far enough to the rear to release the disconnect. On the original conversion, the tail of the disconnect had been shortened by .053 inch to allow it to clear. If I decide to leave the rate reducer in this gun, it will be necessary to perform a similar modification on the new disconnect. (This should not be a problem on the Chinese guns; all of these I have seen have had the stop altered).

*Are these parts intended, in fact, to function as an "anti-bounce device" to prevent later model Kalashnikovs from malfunctioning, or worse yet, from firing out of battery? Or is it simply a "rate reducer"? We'll answer these questions next month in Part Two.*

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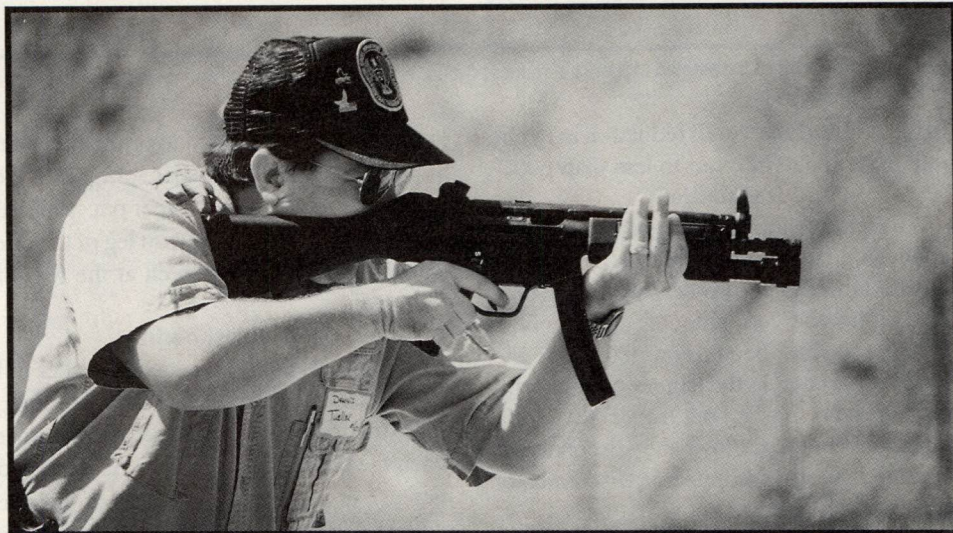
**Y**ou could not have asked for a more beautiful day for shooting a few hundred rounds through your favorite submachine gun, than the day of the Second Annual Utah State Submachine Gun Shoot hosted by Auto Collector's Association of Utah. The weather was perfect, the stages were as good as it gets, and the shooters were some of the nicest people you will find on the planet.

Forty-three shooters and almost as many spectators attended the shoot and had a great day of exhilarating shooting. The four stages of fire required each competitor to use a variety of marksmanship skills to hit various types of targets at varying distances. The participants thoroughly enjoyed themselves mainly because the stages flew by with action and suspense, vastly different from a typical handgun or rifle match. There's just something unique about the roar of a machine gun that starts the adrenalin flowing. Non-resident shooters from as far as Colorado, Wyoming, Idaho, and Nevada participated.

The first course of fire consisted of two paper swinging targets behind two no-shoot targets and six steel pepper poppers and six steel plates. The swinging targets moved left and right with a steel no-shoot silhouette in the center. You had to engage the swinging targets quickly because once they stopped swinging they ended up directly behind the steel no-shoot targets. It was best to shoot these at the end of each swing on the far left or far right. However, to do this you had to shoot a pepper popper first which was placed directly in the line of fire on the far left and right of each swinging target. Between the two sets of swinging targets there were various steel plates on stands and pepper poppers which most contestants engaged last. I almost forgot to mention a third paper target which was placed directly in front of the shooters box. This target had the center shot out of it after the first few contestants. All of the paper targets were scored with the highest five hits per target. It was very interesting to see

# The Second Annual Utah Subgun Shoot ●

by STEVE PARKER



Dennis Tueller posted the high score in the second stage with some very quick shooting of pop-up targets.

some of the shooters try to shoot a five round burst and others try two three round bursts at the paper targets. This was an exciting stage that provided some intriguing strategy for the shooters. The high score for this stage was shot by Bryan Bailey of the Salt Lake City Police Department with 102.09 points. Bryan also won the "Top Cop" award.

The second course of fire had an eight inch steel plate and seven pop up targets. The paper targets were hidden behind an eight foot barricade and appeared one or two at a time after hitting the steel plate. Upon shooting the steel plate, a valve would open releasing bottled CO<sub>2</sub> which activated the targets. These targets appeared for approximately 1 to 2 seconds. The entire target sequence lasted only about 10 seconds assuming you quickly hit the steel plate after hearing the beep on the

timer. This stage required some very quick shooting because once you started the target sequence by hitting the steel plate the paper targets continued to appear, read not. Dennis Tueller aced this stage with the high score of 117.49.

The third stage consisted of a steel pepper popper, a turning target which appeared for only 1 1/2 seconds, a close range paper target and two targets running across the range. There were also several no-shoot targets placed in the field of fire which made things a little more interesting. Upon firing your first shot the turning target was activated and the running targets began moving across the range from left to right. The turning target faced the shooter for only 1 1/2 seconds which required that you engage it right away. Then you shot at the two moving targets which always seemed to have a no-shoot in the line of fire, and



Shooters test their skill against running targets.



The stage consisted of 30 pepper poppers for the high volume shooters.



then finish the stage by engaging the remaining targets. This was a fast paced stage with moving targets and it required a reliable weapon. If your gun malfunctioned after firing your first burst it was impossible to engage the turning target and running targets which appeared for only a few short seconds. The high score for this stage was shot by Steve Parker with 114.90 points.

The last stage consisted of 44 pepper poppers with 30 shoot and 14 no-shoot poppers. This stage required a lot of shooting. One contestant had a hard time holding on to his suppressed M-10 after shooting three 30 round magazines at the steel targets and the suppressor heated up. It was not an easy stage because the no-shoot poppers were very close to the shoot poppers. Everyone wanted to hose the range down with a hail of bullets but you could not do it with all the no-shoot targets mixed in. Also, the relatively long range (15 to 35 yards) of the targets required good trigger control shooting small groups. This stage was aced by Marc Herklotz with the high score of 110.98.

Local Class 3 dealer Alex Robinson, "The Arms Broker", provided an MP-5 and UZI for those unfortunate souls who have not yet purchased their own submachine gun. Thanks to Alex, a few more shooters were able to experience the thrill of full auto shooting.

#### Overall Winners

1st Place M16/9mm S. Parker  
2nd Place MP5 S. Swofford  
3rd Place MP5 B. Bailey

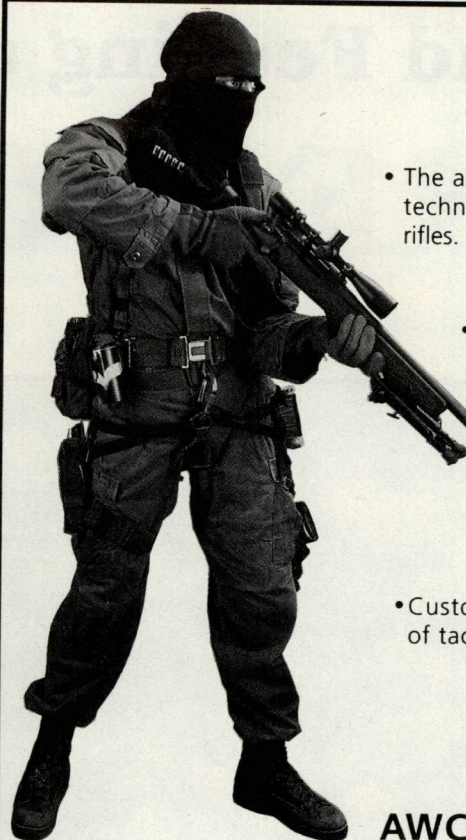
We wish to thank our many sponsors who helped to make this such a successful shoot: A.C.A.U., who donated an SKS rifle; Lynn McWilliams of AWC Systems Technology, who donated a \$200.00 Suppressor Gift Certificate; *Machine Gun News*, who donated three subscriptions; Olympic Arms, who donated the Minute-man Posters for all the shooters; Ron Bills, who donated assorted Mag Flashlights, Chargers, and Holsters; Chuck Hinson, who donated a Defensive Weapons Training Class; and Richard Davis, who donated the police prizes: \$100.00 Gift Certificates for Second Chance Vests and Video Tapes.

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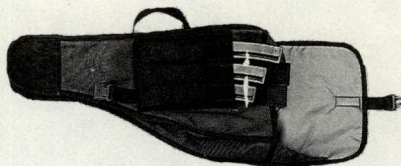
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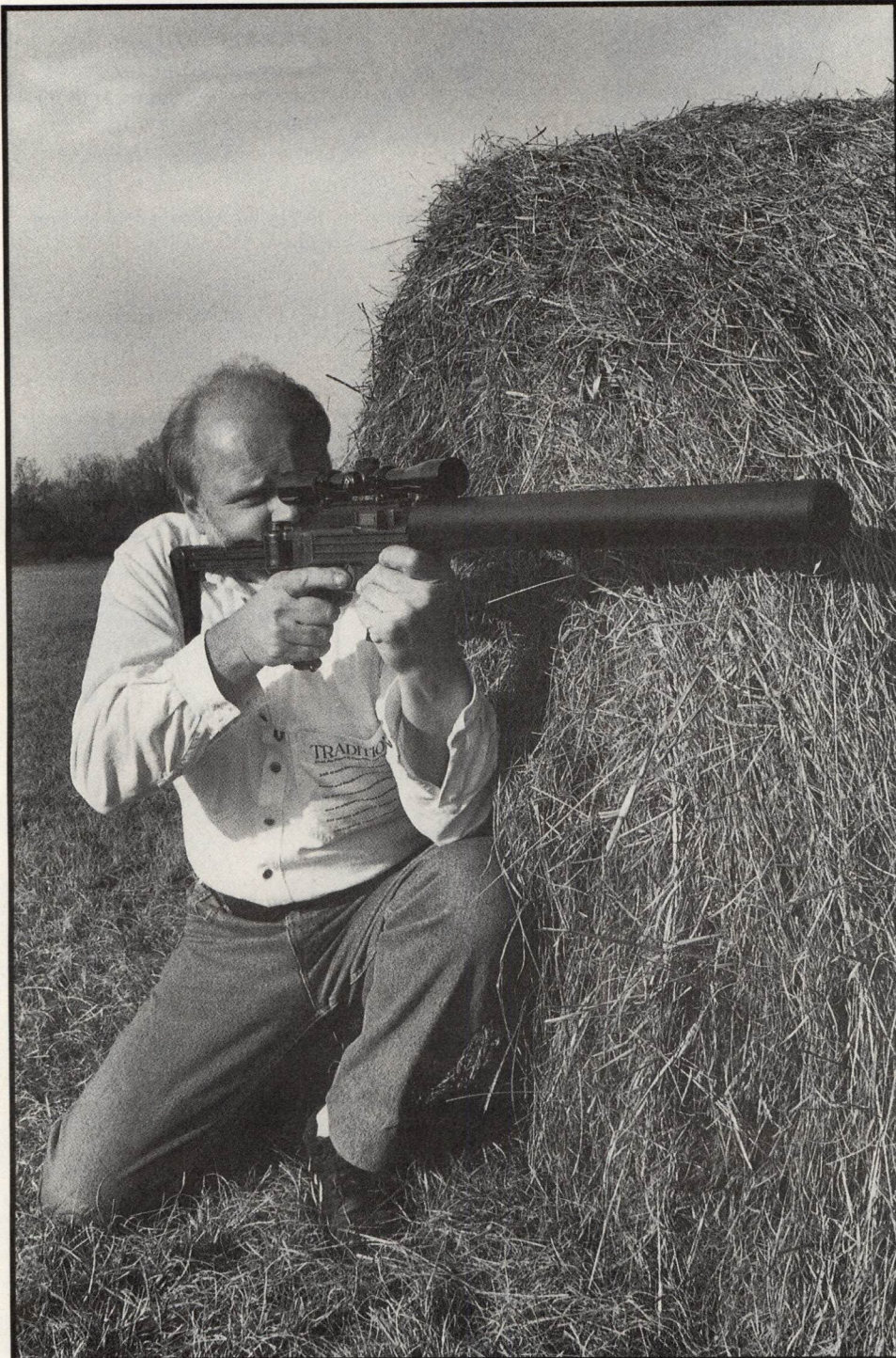
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# The Care and Feeding of SUPPRESSORS

by MARK WHITE



This Sound Technology suppressed .45 caliber Marlin Camp Carbine is totally sealed but its internal design allows cleaning by immersion and effective draining of the liquid cleaners by standing the weapon muzzle downward. Photo by Polly Walter.

Most suppressors perform at optimum when they are new and relatively unfired. Some wipeless suppressors will continue to perform well for several hundred rounds, while others will perform well for several thousand rounds. Nevertheless, with repeated firing and the passage of time, an accumulation of crud, metallic fouling, and corrosion will eventually plug ports and chambers — reducing efficiency to a marked degree. Small-volume cans are typically more affected than those with larger volumes.

This article will examine the causes of fouling and corrosion, and look at some of the methods that can be used to reduce and remove the accumulated deposits.

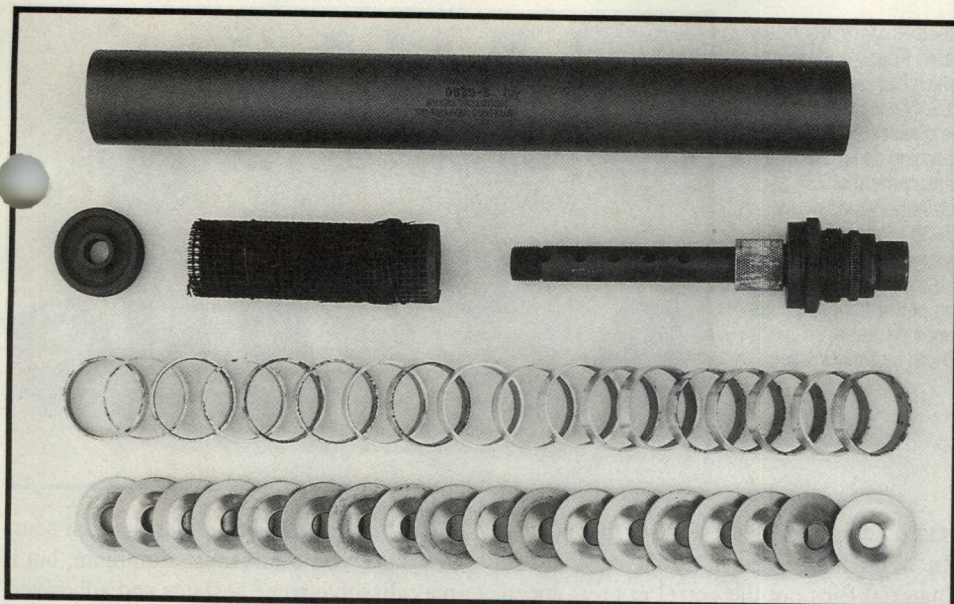
## GUNPOWDER

The major source of suppressor fouling is the incomplete combustion of gunpowder. Most modern gunpowders are made from cellulose (wood chips, believe it or not) which have been soaked in mixtures of sulfuric and nitric acids. The acid treatments increase the burn rate, in addition to softening the cellulose so it can be extruded and pelletized. A vital component of wood cellulose is an organic glue called lignin. Used by all woody plants to bind the cell structure together, lignin is relatively inert. While it will burn slowly and completely in the high temperatures associated with a wood stove, lignin will not do so in the abruptly cooling environment of a gun barrel or suppressor.

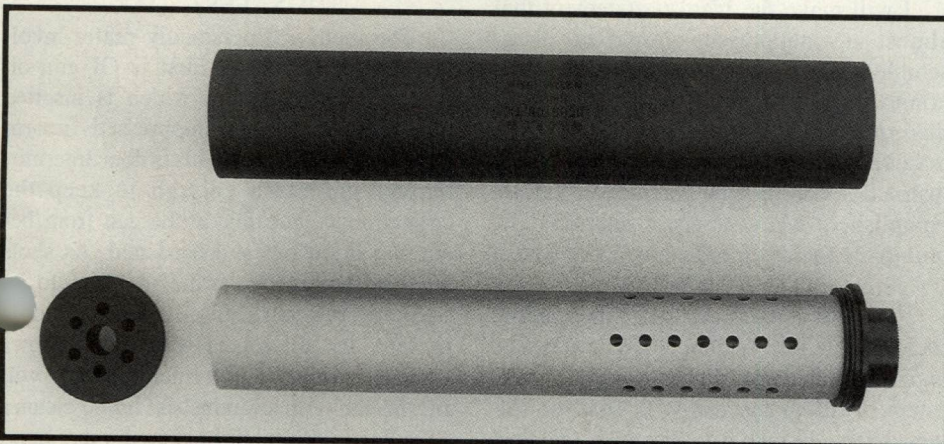
By weight, lignin constitutes roughly 10 percent of most gunpowders made from wood. It is responsible for approximately 85 percent of the volume of crud which collects inside the suppressor. A few European powders use cotton fiber instead of wood as a base, and they are said to contain only 1 percent lignin. Accurate Arms imports several cotton-based powders.

Most powders are coated with graphite and various stabilizers, retarders, et cetera. Ether is often used in the process, and this is responsible for headaches at the reloading bench.





Until recently, most modern suppressors were designed so they can be disassembled for cleaning. The trend is increasing toward sealed or partially sealed units that must be cleaned by immersion. This AWC suppressor should be disassembled for cleaning every 2,000 to 3,000 rounds. Photo by Polly Walter.



This Uzi suppressor built by Tim Bixler of the South Central Research Corporation provides outstanding sound suppression using a coaxial design. The baffle stack is permanently sealed in the inner coaxial chamber, but the suppressor can be partially disassembled as shown to facilitate cleaning. Photo by Polly Walter.

Those who reload can do much to eliminate a major source of fouling by choosing a cleaner-burning powder and an optimum projectile. Unique, for instance, is relatively fast and clean, while 2400 is slow and dirty. Accurate Arms Nitro 100 is a clean-burning, low-lignin powder. If we are able to make a charge of powder burn more completely while still contained in the cartridge case, then there will be less carbon and crud to collect in the suppressor. This can be achieved by using a heavier projectile and a case with the smallest possible capacity. Using a slightly larger projectile diameter will also improve combustion by increasing the burn time within the cartridge case.

A large-capacity case cushions chamber pressure, as does a light projectile. Burning will be most complete with a very small powder charge, the highest chamber pressure the cartridge can safely handle, and by

keeping the pressure confined as long as possible. This last aspect can be achieved with a tight crimp, and perhaps the use of a mild adhesive to join the case and bullet together.

If I were building an optimum .45 caliber suppressed rifle from scratch, it would be in .45 ACP or .45 Winchester Magnum. It would have a locked breach and use a small charge of fast powder to drive a 300 to 450 grain jacketed bullet. It would have a very tight chamber with zero freebore, internally chamfered porting from 5 to 7 inches from the breech, and a lapped and polished bore. The suppressor would have a large volume and be constructed from aluminum or titanium to save on weight.

#### PORTING

Many of the more quiet integral suppressors use ports placed as close as 1 inch to the breech. This early porting drops the

internal pressure suddenly, effectively cooling the propellant gas too soon in the cycle. This halts combustion early, dumping the unburned material into the suppressor. Porting closer to the muzzle, while not as quiet, will allow more of the propellant to be turned into carbon dioxide and water, before combustion stops.

Another benefit of this approach is that the projectile will attain a higher velocity, which translates into a flatter trajectory and more energy delivered on target. Such tradeoffs become quite important when suppressed .22s are used for hunting or animal control instead of discrete target practice.

While on the subject of porting, many of the ports I've seen have left jagged burrs projecting into the bore. These burrs act like small cutters, causing each port to strip off and capture pieces of the bullet with each shot.

While many manufacturers take great pains to lay out ports, and even to deburr them on the OUTSIDE of the barrel, few take the trouble to deburr and chamfer ports on the inside of the barrel, where it is really needed. Another curiosity is that regular spacing of ports can lead to a harmonic vibration in the barrel, leading to accuracy problems. One of my quirks is to prefer a more random spacing.

It is a difficult and painstaking job, but each port should be carefully deburred and then chamfered in the inside of the bore, so it won't shave lead or bullet jacket material with each shot. Ports drilled in .22 LR barrels are especially prone to shaving lead, and eventually become totally plugged if they are not properly chamfered. Proper removal of lead usually entails disassembly, and then mechanical reaming to clear the plugged ports. Soaking the barrel in Hoppe's No. 9, or electrically unplating with the Outers System will usually remove the least trace of lead and gilding metal from ports, but this process could take a very long time.

Once a bore has been properly deburred, it should be lapped with lapping compound, and then polished with fine jeweler's rouge to reduce the possibility of metal fouling. A polished bore will stay clean a long time. A rough bore will pick up metal fouling from the bullet after only a few shots. While on the subject, the polygonal rifling used by the Japanese during World War II is inherently easier to keep clean, as both Glock and Heckler & Koch can attest today. A few manufacturers of integral suppressors, such as Sterling in England, place their ports only (continues)



in the barrel grooves of some rifled bores. While I really like this idea, I haven't managed to be clever enough to do this yet without building prohibitively expensive tooling.

### CORROSIVES

The products of gunpowder combustion are carbon dioxide, water, and (surprise, surprise) a touch of sulfuric acid. If corrosive ammo is used, add mercury and corrosive salts of various sorts to the list. The water and sulfuric acid may cause problems unless the suppressor is allowed to dry out internally. The drying process may be encouraged by hanging the suppressor muzzle down, near a mild heat source (like a 15 watt light bulb). The firearm's action should be left open an inch or so to encourage air circulation, if the suppressor remains attached. If corrosive ammo has been used, the only answer is soap and plenty of very hot water. As soon as possible. Re-oil when rinsed and dried.

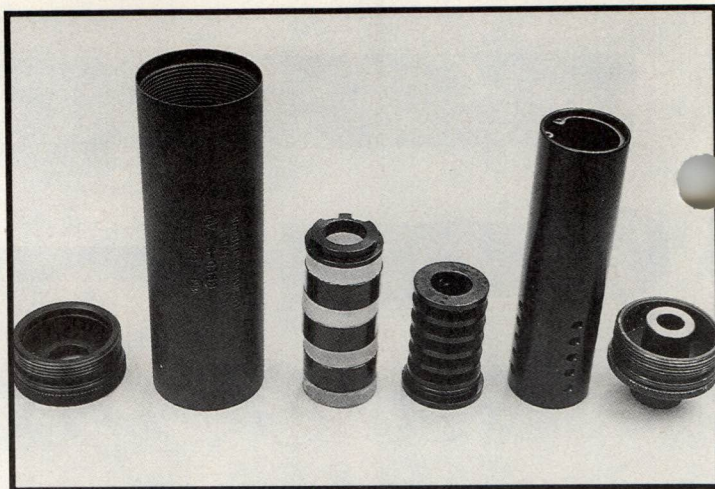
I spoke of corrosive salts coming from corrosive ammo. Those who have steel suppressor parts that have been blued should know that, during the hot bluing process, the metal is soaked in a very corrosive salt solution which has been heated to over 425 degrees F. This opens the pores of the metal and allows salt to enter deeply, where it will stay forever. When the affected steel is exposed to water (one of the major products of combustion) the salt will greatly enhance corrosion. It was for this reason that we at Sound Technology stopped using hot-blue steel components. Suppressors of various brands in for repair have shown large quantities of rust on those portions of blued barrels inside the cans.

### DISASSEMBLY

Just a few years ago, most suppressors were designed for disassembly — so that they could be easily taken apart for cleaning. If they were taken apart and packed with Never-Sieze before firing, the concept worked with moderate success. If disassembly was attempted after, say, 5,000 rounds, the units were usually found to have self-bonded permanently together. So much trouble resulted from attempted disassembly and botched reassembly that the trend has now swung to permanently sealed units.

I have personally observed quite a number of suppressors being taken apart for cleaning and repacking, or for repair. It is a dirty and thoroughly nasty business. In addition to spent powder grains, there is a considerable amount of graphite, powder coating, spent lead primer compounds, bullet lubricants, and the metallic powders and

Reed Knight's legendary Hush Puppy suppressor, which has been used by U.S. Navy SEALs, must be disassembled for cleaning as well as the replacement of its urethane wipes every 25-30 rounds. This frequent maintenance is the tradeoff for outstanding performance in a very small package. Photo by Polly Walter.



shards coming off the bullets themselves. In a normal firearm most of the this material flies out the barrel at great speed, and is gone. Any good suppressor doing its job seems to capture about 80 percent of the powder residue.

I will make the blanket statement that almost any suppressor should be disassembled only by one knowledgeable in its construction. If a particular unit was designed to be taken apart, then the manufacturer will have specific ideas and instructions as to how this should be accomplished. Many suggest returning the unit to the factory for cleaning or repair.

### SOAKS AND DIPS

As more sealed units enter the market, there is more interest in methods that can be applied to cleaning them. Most often this involves filling the can with soap or solvent, letting it stand for a day or so, and then draining, rinsing, and blowing it out with compressed air. The materials used in construction will dictate the solvents of choice.

Parts made of pure steel can be boiled in a strong solution of caustic lye (NaOH). This is typically followed by a neutralizing bath of hot water, a blast of compressed air, and a re-oiling procedure. Note: lye is dangerous stuff! Be careful. Use a face mask, rubber gloves and apron. Vinegar is a safe neutralizer for a caustic burn. Plain water will do nothing but waste time and cause further injury. Use vinegar or another dilute acid. While a caustic solution will get the metal squeaky clean, it will also remove bluing. It will damage or destroy any parts made of aluminum, or organic compounds. Hoppe's No. 9 will dissolve lead and aluminum, but it will not harm steel or bluing.

State Troopers in my area often use unleaded gasoline to dissolve powder residue and lead accumulation. The SOP is to soak for a day, blow dry with compressed air, Re-oil, and wipe down. Do this outdoors.

Beware of sparks and other ignition sources. Gas won't hurt most aluminum, but it may dissolve some sealants and adhesives. Only the manufacturer of your suppressor knows what materials went into it, and what solvents are safe.

### THE SAFEST SOAK

The method I personally prefer involves two components. First is GI gun oil (cheap and available), which is inserted into the bore of the suppressed firearm ahead of the chamber. This is done intermittently, and often enough to keep the collection of goo inside the can from becoming dried out and hardened. As shots are fired, the gas drives the oil deep into the parts of the unit. If any water/acid is present, the oil mixes with it and slows corrosion. Every 5,000 rounds or so, I will fill the can with an industrial liquid cleaner (like Zep) undiluted. Let stand a day or so and drain muzzle downward. Strain through a coffee filter and save for reuse later.

Rig up a small rubber hose and force very hot water through the suppressor for 10 to 15 minutes, rotating occasionally so most of the gunk and sediment is forced out. A cleaning jag attached to a rod can be placed in various portions of the barrel to encourage flow through various chambers. When satisfied that the water is coming out clean, the unit can be blown out and dried with compressed air. This technique is not appropriate for suppressors with blind chambers that are very difficult to drain and dry out. For the last year or so, the suppressors I build incorporate drain holes to facilitate draining the suppressor (with the muzzle down) when cleaning by immersion. Rotate and make sure all the water is out. Use a few drops of GI oil again, and fire a few oiling shots. Always store hanging muzzle down, using a pad or towel to catch whatever may drip out. Store in a dry area. Encourage ventilation. The industrial



cleaner treatment will not get metal out, but it will remove powder residues, lead dust, and organic compounds. If the bore is polished and snag free, it will not shave lead or copper, and metal will not be a big problem.

#### CARE OF FINISH

Stainless steel is of course almost maintenance free. Polish the scratches out. Wipe down with a little oil from time to time.

Aluminum is often Teflon coated or anodized. These look good at first, but get nicked and scratched, and are then hard to repair or touch up. In recent times I've gone to simple spray enamel (usually flat black). The idea is not new; the British military used paint for submachine guns from World War II through the Falklands. When the paint gets worn, wipe down with steel wool, degrease, and spray on a new coat. Buy a can of spray enamel at the hardware store (Rustoleum works, but brand isn't critical). Shake well! Spray on a little at a time. Avoid runs. They need to be sanded down if you get any. Use long, feathering strokes. Hang up and dry in a heated chamber or in the hot sun for a day, so the coating will achieve full strength. Wait a week, and then use paste wax if you desire additional protection. At the range, fellow shooters have been very impressed with this simple treatment. They think it looks better than anything else out there.

Steel should be etched with a phosphoric acid before painting. I use Ospho brand, which is available at a good hardware or Ag store in gallon jugs. Wear rubber gloves. Degrease first with acetone on a bit of rag. Wipe the Ospho on two or three separate times with a soft cotton cloth. Let the acid etch the metal. Do not rinse, as the coating which is left serves as good protection against rust, and bonds well with paint. Spray on enamel as above. Brushed on enamel provides a better coating, but it is hard not to leave ugly brush marks. Crinkle paint available from Brownell's leaves a finish similar to a Sterling submachine gun, which is quite attractive.

The paint/powder coatings also work well if controlled heat is available.

I've worked in the rain and salt air of Coastal Alaska for close to 25 years. For weapon steel, a proper paint coating has proven to be far more effective than any other system. And the beauty of paint is that it's so easily renewed in just a few minutes.

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Here, the law of probability comes into play and eventually, your number is going to come up. What happens depends upon how prepared you are. I've always been extremely careful, but I've taken some significant hits along the way.

When I was shooting competitively in the Army, I had a newly match-conditioned

M1911A1 self-destruct when I pumped a round in the chamber. The slide cracked, the grips shattered and the magazine blew out the bottom. My left palm was peppered with hundreds of powder tattoos, some of which remain to this day. My right hand was numb for three days and suffered burns as well. I was lucky! I still have all my fingers.

While supervising training on M-16A1's as an Infantry Drill Instructor, I was behind a shooter when I heard him fire a squib load. The squib load left the barrel blocked with a bullet and half burned powder. I turned toward the shooter and yelled, "Cease fire!" just as he fired another round. A ball of flame shot out of the ejection port and I caught most of the shattered cartridge case in the eye. Luckily I was wearing sunglasses and the lens stopped most of it, but I still caught an eyeful of powder and brass fragments. I wore an eye patch for six



weeks and was lucky to only have reduced vision in that eye instead of losing the eye completely. The doctors cleaned out most of the fragments but they had to leave some. That happened years ago but I've gone to the emergency room twice this year to have them remove fragments which have worked loose. NOT fun!

Within the last year, I've blown up an Uzi and a M3A1 Greasegun. I was at a friend's house and he produced some reloads and asked if he could shoot them in my Uzi. I looked them over carefully. They appeared well made with 115 grain full metal jacketed projectiles. The primers were properly seated and the rounds performed flawlessly through his Browning Hi-Power. I let him load up a couple magazines and he started burning long bursts through the Uzi. Suddenly, I noticed that I wasn't seeing bullet impacts and great puffs of white smoke came out of the ejection

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tion port as each round fired. A round had gotten stuck in the barrel! The unlocked blowback action of the Uzi had allowed the back pressure to vent itself through the ejection port. This was the puffs of white smoke I'd observed. The action kicked the bolt back and allowed it to strip another round which, on firing, lodged behind the first. This continued until I stopped the shooter. I estimate that SIX ROUNDS(!) fired and lodged before I was able to halt the firing. At 650 RPM that's about half a second.

My friend had put more than a thousand of these through his pistol but the first burst had become hopelessly jammed in my Uzi. Thankfully, the blowback action of the open bolt Uzi had allowed the pressures to vent safely out the ejection port. I would hate to imagine what the results would have been in a closed bolt action such as an MP-5 which could have allowed the pressures to build to disastrous proportions. As it was, I merely replaced the easily removable barrel and the gun was back in operation.

This problem is not limited to reloads. I recently did exactly the same thing with a M3A1 Greasegun while shooting some Brazilian CBC .45 ACP ammunition.

Again this ammo had performed fairly well in a hand gun but it simply couldn't cut it in full auto with a longer barrel.

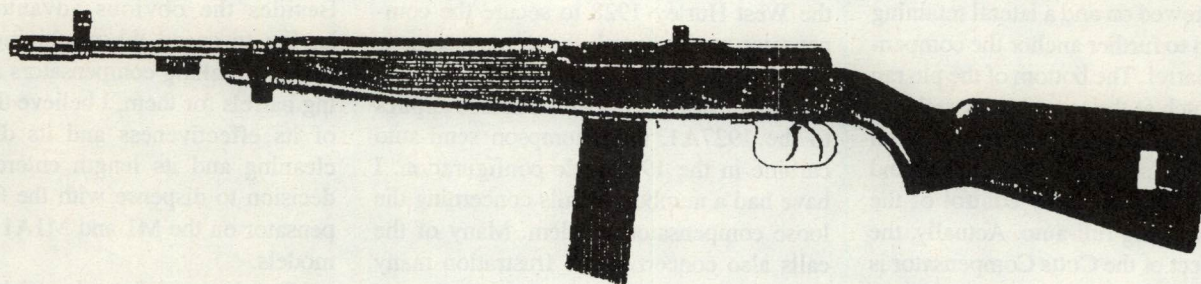
We've all heard the warnings about the CBC 75 .308 ammunition blowing guns up. I just spoke with my friend Ed Varner and he said that he had blown up his 1919A4 with a proof load which had slipped through. Happily, he was uninjured and the weapon was not totalled. The damage was limited to a bent top cover and a bite out of his wallet.

Ed called wanting a good source for information on ammunition so that he could be on the alert for other nasty surprises which might be out there masquerading as ball ammunition. Once again, I highly recommend the "Rhino Red Book" which is a reprint of the excellent Defense Intelligence Agency publication DST-1160G-514-78 Volume I; *Identification Guide for Military Small Caliber Ammunition*. This manual is far from complete and has some errors but in my opinion it represents the best single source of information readily available to the general public. These are hard to find but they appear occasionally at gun shows for about \$10 which Ed Varner will tell you is much cheaper than a replacement top cover.

Hearing protection protects you from a necessary hazard of the sport. Accidents are another matter. Your chances of having a problem are probably very small but it doesn't hurt to be prepared if you do. I'm growing cautious in my old age. I now wear protective eye wear and I've adopted the practice of wearing a bullet-proof vest when I go shooting. I'm not afraid of shooting myself but I view it in the same light as defensive driving. I worry about the other guy screwing up. This is particularly true at the big shoots where you're on the firing line and someone forgets to clear his weapon and then steps behind you with a round in the chamber. It is not uncommon to have accidental discharges at gun shows or police and military arms rooms. It's a scary thought.

Regular equipment in my shooting box are a number of GI issue field dressings in the event of a serious emergency. I also carry a small first aid kit for those occasions when I staple my hand to the target frame. Don't laugh, it may happen to you some day! Seriously folks, at least think about additional safety equipment. It's like wearing a seat belt. If you ever really need it, it will be well worth the expense and effort. Be safe, people. Rock-N-Roll!

## Beretta M-57 Moroccan Carbine



A rare find of these .30 caliber carbine select fire rifles. These carbines were only produced in one short run. Purchased in North Africa, from the original user. These are similar to the US .30 carbine in stock size and type. It will use the M-1 bayonet, and a slightly modified M-1 magazine. The dual trigger system is Beretta styling, and makes for a most intriguing non-firing display. (Class 2 MFG's Note: chamber has been drilled). More information may be found on page 359 of Thomas Nelson's outstanding book "Assault Rifles".

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# Tinkering with Thompsons



by JIM KLODZINSKI OF GUNMACHINES  
*Front Sights and Compensators*

The original 1921 Colt manufactured Thompson did not have a compensator. The front of the barrel sported a ring-type front sight. This front sight was held in place by pressure and the use of a retaining pin which ran laterally through the base of the sight above the barrel; and the bottom of the pin sat in a small lateral notch on the top of the barrel. The front portion of the barrel, where the sight attached, was not threaded.

In 1926 the Cutts Compensator was introduced. The compensator is a cylindrical device with slots cut from side to side on the top. The front sight is attached in a dovetail slot at the rear top of the compensator. The compensator is attached to the barrel by threads. If a Colt 1921 was ordered with a compensator, the front of the 1921 Colt barrel was threaded; the compensator was screwed on and a lateral retaining pin was used to further anchor the compensator to the barrel. The bottom of the pin ran through a notch at the top of the barrel.

The compensator was introduced as an item to help the sale of the Thompson and was touted as aiding in the control of the TSMG when firing full-auto. Actually, the practical effect of the Cutts Compensator is marginal in controlling muzzle rise. When one considers that the Thompson is a ten pound firearm, shooting a relatively low pressure pistol cartridge, there doesn't seem to be any real necessity for a compensator. Although the military 1928A1 came with a compensator, the M1 and M1A1 did not. The M1 and M1A1 came with a ring type front sight attached to the front of the barrel in the same manner as the ring type front sight was attached to the original Colt 1921. As far as I can determine, the design of the military ring front sight and the original Colt ring front sight are the same, except that the military ring front sight has an "AOC", "S", or "P" stamped on the rear base of the sight. The Colt ring front sight

has no markings. Besides the markings and standards of machining quality as well as finish, a Colt ring front sight and a military M1 or M1A1 front sight appear identical.

The West Hurley Auto-Ordnance Thompson Model 1928 comes with a Cutts Compensator. However, the compensator is only attached by threads. A lateral retaining pin is not used. When I took off my compensator from my West Hurley 1928, the remains of a substance similar to Loc-tite was evident as an additional means of securing the compensator to the barrel. Apparently this had been applied at the factory. The West Hurley Model M1 (really functionally an M1A1) comes with a military ring type front sight secured to the barrel in the same manner as a World War II production military M1 or M1A1.

Because a retaining pin was not used in the West Hurley 1928 to secure the compensator to the barrel, the compensator is prone to become loose after a certain amount of firing. This situation also applies to the 1927A1, the Thompson semi-auto carbine in the 1928 style configuration. I have had a number of calls concerning the loose compensator problem. Many of the calls also concerned the frustration many shooters felt in trying to completely and thoroughly clean the compensator. Some shooters wanted to remove the compensator from the TSMG to make cleaning easier, but thought they would have an additional problem of securely reattaching the compensator to the barrel.

Some shooters solved the problem by having the compensator and barrel machined to accept a retaining pin. However, be warned that unless this is properly and precisely done, correct sight alignment will not result. Other shooters merely rescrewed the compensator onto the barrel and used gobs of Loc-tite or similar other substance to attempt to hold it securely in place - with mediocre results. Invariably

the compensator would loosen during firing. The best idea that came from a shooter was to drill and tap a hole for a set screw on the bottom of the compensator, 180 degrees from the top of the front sight. Finally, others wished to replace the compensator with a ring type front sight.

Personally, I do not prefer a compensator on my 1928 TSMG. I like the look of the ring type front sight as used on the original Colt 1921 TSMGs. Also, I am convinced that the Cutts Compensator does very little, if anything, to control muzzle rise. Because of the weight of the TSMG and when using a secure grip and proper stance when firing, muzzle rise just is not a problem. Also, I became tired of the tedious job of cleaning the compensator. Further, the compensator adds approximately two inches to the overall length of the firearm. Besides the obvious advantage of not having to spend the machining time and expense making compensators and threading barrels for them, I believe the question of its effectiveness and its difficulty in cleaning and its length entered into the decision to dispense with the Cutts Compensator on the M1 and M1A1 Thompson models.

For those of you who wish to replace the compensator with a ring type front sight in an easy and risk free manner, Gunmachines has developed an easy to install ring front sight. While tinkering with military ring front sights I had discovered that some military ring front sights, either made by Savage or the Auto Ordnance Corp. During World War II and until about 1956, will self-thread onto the threads of a finned 1928 barrel threaded to accept a compensator. As the ring sight approaches half-way on, it sometimes may become more difficult to thread the sight onto the barrel by hand and a strap wrench might be needed. When the sight is completely on the threaded portion of the barrel, gauge the



last twist of the sight to stop so that the sight is properly aligned. There are tolerance differences between threads on the barrels and also between sizes of the ring of the ring front sight. The tolerance differences may be only a few thousandths of an inch but they are sufficient to enable some ring front sights to fit and some not to fit. Only those surplus sights that have a slightly tighter ring will work.

From Gunmachines' supply of new in the wrapper Savage and AOC ring front sights, I have culled out all of the sights with tighter rings. Also, I have had the sights machined to accept two set screws. These ring front sights with set screws are available bearing either the "S" or "AOC" stamp in either blue or parkerized finish. Because of the set screws a lateral retaining pin and a notch in the barrel threads is not necessary in order to securely affix the sight to the barrel. Also the set screw concept allows slight errors in sight alignment to be quickly and easily corrected. Although this easily attached ring type sight was developed for barrels threaded for compensators, the sight will also install securely on any barrel not threaded for a compensator, such as a M1 or M1A1 barrel, without the need for a sight retaining pin. Also, these sights are compatible with and will fit and function on the barrels of the Thompson semi-auto carbine. These ring type front sights with set screws are now available for \$14.95 from Gunmachines. Specify markings and finish when ordering. Also, these sights can be installed while the barrel is attached to the receiver. There is no need to remove the barrel for proper installation of the sight.

Next article: Cracked Thompson receivers.

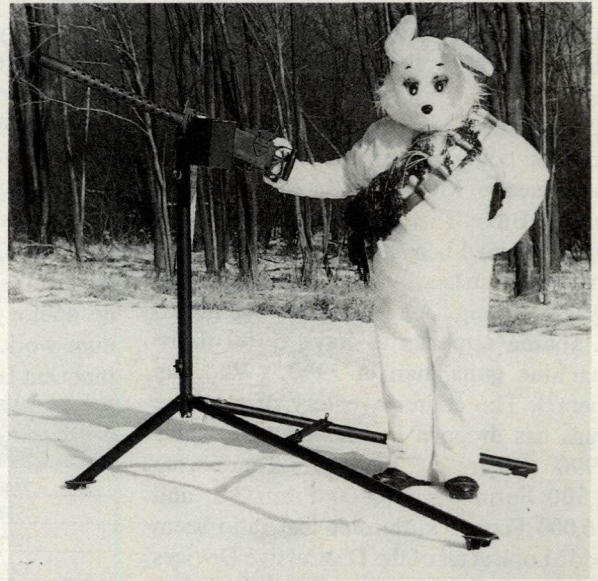
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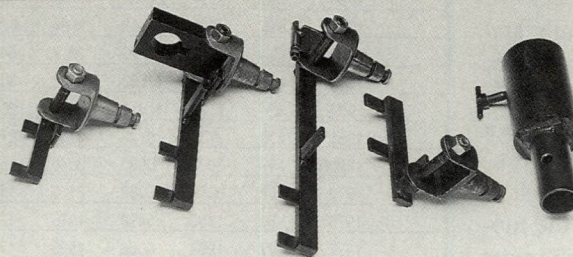
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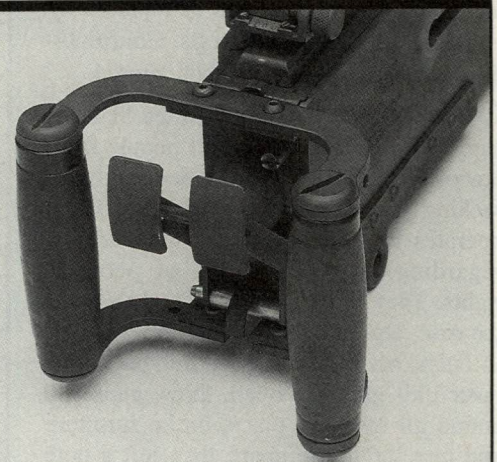
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# The Forms

by DAN SHEA

I usually get the NFA Registry charts showing the activity and comparisons in manufacture, ownership by state, and transfer of NFA firearms into an earlier issue than this. I just got the charts, effective 12/31/92, last week. Here they are - I suggest you compare them to the old ones in back issues of MGN or in the Machine Gun Dealers Bible. There is a wealth of information contained here-in, for those who look for it. You can learn a lot about this business by comparing. A few interesting notes: Alabama appears to have 5000 more machine guns than in 1990. (Who has them?). The entire inventory of machine guns has dropped by about 19,000 since 1990. (Where did they go?) There were 6,500 Form 4's, 26,000 Form 3's, and 46,000 Form 5's, doesn't that ratio seem odd? Look at all of the Destructive Devices being added to inventory - (All those law enforcement flash-bang stun grenades are registered DD's). Write your questions in, I'll try and get them answered.

I have had so many phone calls and letters about the BATF raid in Waco, Texas, that I am going to make some comments in response to one representative letter. It is a tough subject, sitting out here with censored and biased information. Suffice it to say that there is serious doubt at the moment that the BATF as we know it will exist a few months from now. More likely they will be taken over by the Justice Department, and their "raids" will be replaced by extremely professional arrests. Confrontation will be avoided instead of courted.

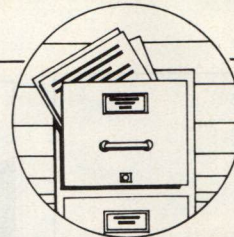
**Q** The Constitution of the United States is supposed to protect innocent people from law officers kicking in your door and ransacking your house. However, the BATF operates in a Gestapo-type manner disregarding the Constitution of people's rights. They do it quite frequently as was the case, among others, of Mr. Lawmaster in Tulsa, when they crashed into his home, busted his gun safe open, threw guns and ammo all over the place, broke furniture and tore the house apart, then left a note saying "Nothing found, ATF". A warrant is supposed to give law enforcement officials permission to search your house and gather evidence, not destroy property. A person is supposed to be innocent until proven guilty and a warrant is issued for "alleged" illegal activity, although probable cause is high.

Proper procedure, then, would be to put officers in place (in case of trouble), then announce your presence and that you have a warrant, and give the occupants a chance to volunteer their cooperation.

However, routine procedure for agents with the BATF is to raid houses and buildings, going in gangbuster style, bashing in doors, crashing in windows, terrorizing the occupants, destroying the premises and then walking away if nothing is found, with no apology or compensation. This procedure works very well when assaulting an innocent law abiding citizen or even a nor-

mally law abiding citizen who is unaware he/she has broken the law because of some technical or obscure regulation. However, this time ATF ran into some real bad guys and it didn't work very well. Four agents dead and numerous others wounded. Could it have been avoided? Probably so if they would have planned it better instead of using their usual bash and terrorizing technique. Apparently, this "cult" group is not only a bunch of weirdos but also very dangerous and a menace to society.

About fifteen years ago, FBI and ATF agents surrounded a house out in California



**Bureau of Alcohol, Tobacco and Firearms Data through 12/31/92  
NFA Registration Activity - Annual Comparison**

Year	F1	F2	F3	F4	F5	F6	F9	F10	LTR	4467	OTHER	Total
1992	357	71296	26652	6527	46462	2	20385	289	40	-	30	172040
1991	224	78062	20914	5390	42117	1	36848	258	-	-	35	183849
1990	692	88893	22823	6807	56015	4	27877	289	43	-	134	203577
1989	271	69932	23605	8165	31198	12	18133	281	51	-	106	151754
1988	342	24860	39747	7699	8319	2	1473	403	66	-	450	83361
1987	409	17427	34492	8311	9388	2	745	324	144	1	717	71960
1986	935	69957	22944	5158	4888	-	528	381	181	3	749	105724
1985	645	14666	15512	3524	6245	1	1306	334	45	1	726	43005
1984	534	14846	14720	3911	5437	1	1506	294	3	3	335	41590
1983	458	11143	11132	3203	3072	27	248	367	4	1	29	20000
1982	324	7720	11417	2770	2671	9	1	481	2	3	37	20000
1981	270	7101	8148	3734	2718	24	1	341	10	1	18	22366
1980	163	3072	6830	3040	1634	6	1	329	7	4	23	15109
1979	108	3284	6988	2150	1513	13	6	353	5	1	20	14441
1978	80	1430	5498	1879	1257	7	1	729	5	6	17	10909
1977	77	1988	6006	1535	1737	2	1	590	14	1	22	11973
1976	30	878	10943	979	1754	20	5	457	3	39	26	15134
1975	78	1399	3279	567	1830	18	3	613	10	-	49	7846
1974	29	1017	2961	579	1688	9	3	507	15	5	8	6821
1973	16	1351	2033	353	1782	5	7	513	8	17	16	6101
1972	30	4017	1963	261	1511	14	9	639	33	84	19	8580
1971	24	2241	209	36	251	10	-	311	1959	26	19	5086
1970	38	191	19	10	24	16	-	1	1563	272	34	2168
1969	36	760	41	13	41	8	1	-	1140	2006	19	4065
1968	1510	1277	366	192	935	7	-	4	29	54487	37	58844
1967	909	1144	306	181	844	2	-	-	5	64	10	3465
1966	900	1293	435	136	1062	2	-	-	-	8	20	3856
1965	841	1246	428	142	1047	7	-	1	1	2	21	3736
1964	744	937	275	139	699	6	-	1	-	3	4	2808
1963	709	720	291	126	808	3	4	-	1	2	8	2672
1962	734	1111	272	204	789	3	-	-	1	14	7	3135
1961	809	1466	548	152	1330	5	-	1	4	2	4	4321
1960	790	657	314	148	654	20	-	-	2	6	1	2592
1950 to 1959	6629	5955	2165	1150	2917	861	16	2	6	23	47	19771
1940 to 1949	6574	7231	4704	361	4905	8455	5	2	4	9	57	32307
1930 to 1939	11422	191	548	15	706	22	1	14	26	25	1280	14250
1920 to 1929	12	4	12	2	7	1	-	-	-	6	9	53
Prior to 1920	1	36	21	2	37	1	2	1	1	4	15	121
Unknown	12	304	32	22	170	6	24	-	6	58	3513	
Total	38766	521103	309593	79573	250462	9614	109140	9110	5437	57187	8671	139000

Form 1 - Registered by individuals Form 2 - Reg. by Class 2 or importer and still in their possession Form 3 - Possessed by S.O.T. (Class 3 dealer, Class 2, 7, 9, 10) Form 4 - Individual - tax Paid Form 5 Law Enforcement, and for repair Form 6 - Imported Letter - Amnesty period reg. by letter. Form 4467 - Registered during the 86 GCA Amnesty. OT - Other Category for "Who knows what". These would also be special arrangement transfers.



believed to be occupied by members of the Symbionese Liberation Army (the SLA) consisting of several notorious fugitives wanted by the FBI, including Patricia Hearst. They didn't bash in the doors and in. If they had, the outcome would probably have been very similar to the results of the recent assault on the cult group in Waco. Instead, they sealed off the area, surrounded the house and, using bullhorns, announced their presence and told the occupants inside to surrender and come out. Of course they were answered with gunfire and the ensuing firefight killed all of the SLA members inside and actually burned the house down. But not one law officer was lost. Incidentally, Patty Hearst as it turned out, was not in the house but was apprehended much later.

The BATF stated the recent fiasco (my definition, not theirs) was their worst loss in the history of the BATF. This is perfectly understandable considering the tactics they use nowadays. The sad thing is that they probably didn't learn a thing from this foolishness. Maybe the ATF will just go back to crashing in on honest people and little old ladies and leave the really bad guys to the FBI.

Jim M.

**A**I hesitate to call them "weirdos" or "dangerous", until I have more information than what the anti-Second Amendment media (Also anti-Christian) and the BATF assault team are giving out. Most of the religions that have helped start this country had Apocalyptic teachings. What I have heard of the Branch Davidians is that they believe the world is ending (Apocalypse) and that they are supposed to arm themselves to protect against assault by crazed mobs. Watch the news, it doesn't sound so farfetched that you should defensively arm yourself. Those of us who remember what it was like under the Carter administration are well aware of what is going on. We live day to day with the fear of certain bureaus of our government, regardless of the fact that we are trying to comply with the myriad of confusing regulations. One of the reasons that I started writing The Forms was to try and make the average reader aware of how to comply with the BATF regulations, and to facilitate a dialogue with NFA Branch. In that time I have been fortunate to have personal dealings with most of the NFA Branch personnel, and many at ATF itself. This has helped me to serve as a "consultant", or "buffer" if you will, to help people that are afraid to talk with their government get their questions answered. Many times the BATF would give me in-

YEAR	MG	SI	SR	SS	DD	AW	UNC	TOTAL
1992	26827	6288	251	2621	37681	1178	2	74848
1991	17698	4578	282	1038	33884	568	3	58051
1990	20956	7563	204	3120	47350	1221	2	80416
1989	14545	5176	136	1072	31920	1480	6	54335
1988	17963	6665	125	742	4011	605	2	30113
1987	17919	4248	156	469	5803	574	5	28974
1986	19750	2990	79	400	1682	375	7	25283
1985	8156	1543	57	350	2887	294	2	13289
1984	8048	1387	91	253	3609	442	6	13836
1983	5582	1172	59	320	785	611	9	8538
1982	4334	1064	58	455	76	329	11	6327
1981	4690	900	74	260	78	254	18	6274
1980	3374	726	72	223	39	171	7	4612
1979	3220	585	69	214	76	197	2	4363
1978	2395	498	84	423	70	233	7	3710
1977	2104	490	71	699	26	199	5	3594
1976	2182	531	67	245	84	402	9	3520
1975	1696	221	75	386	139	142	12	2671
1974	1425	190	58	260	48	323	6	2310
1973	1117	125	79	215	57	418	7	2018
1972	1014	107	90	260	67	662	8	2208
1971	907	79	37	123	33	568	4	1751
1970	595	8	59	93	47	206	1	1009
1969	755	22	179	253	884	357	9	2459
1968	13087	615	5604	8240	11385	11908	326	51165
1967	835	13	113	184	19	457	6	1627
1966	988	8	102	185	8	496	6	1793
1965	803	13	95	256	33	591	6	1797
1964	601	6	94	206	10	352	1	1270
1963	722	9	105	186	-	330	6	1358
1962	768	2	136	164	4	399	2	1475
1961	1272	3	138	184	8	410	1	2016
1960	725	4	108	193	5	423	13	1471
1950 to 1959	3984	74	812	1268	28	3495	59	9720
1940 to 1949	12326	148	1602	1258	58	3260	141	18793
1930 to 1939	1987	578	1177	3297	27	3815	335	11216
1920 to 1929	13	-	3	5	3	1	1	26
Prior to 1920	13	4	1	2	33	2	-	55
Unknown	107	7	22	29	86	35	298	584
Total	225483	48640	12624	30151	182843	37783	1351	538875

MG - Machine Gun, SI - Silencer SR - Short Bbl Rifle SS - Short Bbl Shotgun, DD - Destructive Device, AW - Any other weapon, UNC - Unknown

formation to disseminate, knowing that MGN reaches 95% of the Class 3 dealers, most of the industry, many law enforcement officers, as well as many of the NFA enthusiasts. I salute the people of BATF who have been public servants, and reasonable in the prosecution of their duties.

On the other hand, I have also watched the BATF assaults on gun owners and dealers, including Lomont, Landies, Fleming, Lawmaster, and now Waco. I have had enforcement agents tell me that "we", meaning the FFL dealers, are the "enemy". I have been threatened with prosecution several times, just for being known by people that agents had vendettas against. (In the interest of fairness, there were several times that violations that were misunderstandings of regulations were cleared up by honest and helpful BATF

persons, who could have been jerks about it.) I have talked to agents who sounded like they were acting out some Mel Gibson movie or that TV show "Cops". I have been privy to conversations with BATF field agents that I cannot repeat that scare the living hell out of me, and make me fear for our freedom. Sometimes it almost seems that there is a conspiracy inside BATF to get rid of FFL holders, and gun owners in general.

If the BATF went to Waco, Texas, to see if someone had manufactured an illegal machine gun, I have news for them. Their authority is in question regarding whether manufacturing a machine gun after 1986 is a violation. In the Sozinski case in 1985 the United States Supreme Court affirmed that the Congress could not Constitutionally register firearms, but since the NFA Registry was an aid to collecting a tax on



**Bureau of Alcohol, Tobacco and Firearms Data through 12/31/92  
NFA Weapons Inventory - By State of Current Owner**

State	MG	SI	SR	SS	DD	AW	UNC	TOTAL
Alabama	9925	800	351	828	2505	915	12	15336
Alaska	1063	353	41	128	400	261	3	2249
Arizona	7581	2964	557	560	13829	623	22	26136
Arkansas	2202	603	127	358	601	394	28	4313
California	11069	1092	970	2711	21965	3567	77	41451
Colorado	2551	762	229	356	3350	736	27	8011
Connecticut	13047	1562	177	238	1291	506	24	16845
Delaware	108	12	29	41	24	30	-	244
District of Columbia	1726	40	27	80	1595	62	-	3530
Florida	11968	5446	352	1209	21438	2057	29	42499
Georgia	15675	7356	341	4013	2605	1237	48	31275
Hawaii	197	4	35	25	100	34	2	397
Idaho	1377	234	111	178	1554	425	20	3899
Illinois	7741	318	361	1061	7157	943	38	17619
Indiana	8253	1758	202	1335	6964	779	44	19335
Iowa	975	68	158	444	1001	868	26	3540
Kansas	1054	52	173	381	1895	649	19	4223
Kentucky	7256	536	220	505	1274	549	29	10369
Louisiana	2880	546	169	478	2176	448	17	6714
Maine	1374	103	142	162	342	524	20	2667
Maryland	6054	1074	228	405	6021	570	20	14372
Massachusetts	3707	117	261	245	1093	669	34	6126
Michigan	5317	644	341	596	2658	1106	47	10709
Minnesota	1781	253	201	658	2984	1172	52	7101
Mississippi	2007	39	104	342	623	284	7	3406
Missouri	2953	237	292	944	3092	1035	51	8604
Montana	879	38	119	145	370	327	10	1888
Nebraska	1156	143	154	310	435	638	18	2854
Nevada	3631	631	88	183	1216	278	14	6041
New Hampshire	2597	279	84	76	365	255	12	3668
New Jersey	3064	483	134	510	2892	412	22	7517
New Mexico	2202	390	154	235	2484	187	13	5665
New York	4156	130	315	545	3982	722	43	9893
North Carolina	3842	930	229	601	2916	568	30	9116
North Dakota	372	940	59	111	73	146	6	1707
Ohio	10682	1771	561	859	14335	1416	61	29685
Oklahoma	8399	1088	330	804	1397	891	30	12939
Oregon	3509	1263	561	536	2282	1232	50	9433
Pennsylvania	10508	1469	627	749	3202	1272	68	17895
Rhode Island	282	6	33	38	312	41	6	718
South Carolina	1606	174	192	529	1255	538	14	4308
South Dakota	415	50	59	113	82	320	8	1047
Tennessee	5210	977	207	805	3224	868	27	11318
Texas	16609	7956	1181	2771	11054	2970	121	42662
Utah	2414	239	72	134	2427	177	9	5472
Vermont	604	22	40	34	221	58	4	983
Virginia	7027	1463	376	702	8149	1519	39	19275
Washington	1263	216	425	441	4969	1278	25	8617
West Virginia	1169	146	158	172	128	312	2	2087
Wisconsin	3078	768	182	335	3705	635	10	8713
Wyoming	625	91	79	130	2831	279	13	4048
Puerto Rico	317	4	6	2	-	1	-	330
Virgin Islands	26	-	-	-	-	-	-	26
Total	225483	48640	12624	30151	182843	37783	1351	538875

MG - Machine Gun, SI - Silencer SR - Short Bbl Rifle SS - Short Bbl Shotgun, DD - Destructive Device,  
AW - Any other weapon, UNC - Unknown

each NFA firearm transaction, it was legal in that scope only. In the recently decided Dalton case in the 10th Circuit, the court ruled that when Congress passed 922.0 (banning the manufacture of machine guns for private ownership in 1986) THE GOVERNMENT CEASED TO HAVE THE AUTHORITY TO COLLECT ANY

INFORMATION OR REGISTER ANY FIREARMS, BECAUSE THEY WILL NO LONGER ACCEPT THE MAKING TAX THAT ALLOWED REGISTRATION TO BEGIN WITH! Follow the logic here: if, in fact, the Branch Davidians manufactured a machine gun after May 19, 1986, and it was not in the National Firearms Registry, then

there has been a tax violation of avoiding \$200, OR NO VIOLATION AT ALL! (MGN has always downplayed this issue, fearing that readers might misread the rulings and assume that the NFA of '34 has fallen completely and they can make any machine gun they want without registration - this is not the case. What is the case is that BATF has indicated that they refuse to abide by the court and will continue to prosecute under 922.0) Who is going to tell the families of the four dead agents that their loved ones died over a \$200 tax? I'll bet that there are a number of knowledgeable BATF agents that are cringing behind their desks over this one. We have yet to see the warrant, or hear the "probable cause" for the raid. The film of the initial shooting at the compound has yet to be seen, and it is rumored that the film shows BATF opening fire FIRST! BATF will not say who fired first, all that they will say is how despicable the religious and sexual practices of the "cult" are. I very much want to hear the full explanation of why this "raid" happened, in the manner that it did, and who is responsible. The locals arrested the leader of the religious group on weapons charges several years ago, by calling him on the phone and telling him to turn himself in - WHICH HE DID!

One little point I would like to make is an "old soldier". The Branch Davidians acted purely in a defensive mode, no question about it. If they had been laying in wait, "ambushing" the BATF as we have been told, there would have been 150 dead BATF agents. Some vet would have placed the ambush to start the beltfeds (if they had them) on the doors of the cattle cars and gotten the agents by the doors so that no one could get out, then worked the rest of the cattle cars over- a very ugly scene indeed. No, there was no ambush. A group of FNG's running into their first time when the sheep shot back and were firing for effect from an entrenched position, may feel like they were ambushed, but we can thank God that the carnage was limited to the first firefight (to date, 3/19/93). My heart goes out to the guys trying to go in the door, but I have serious reservations about the decision to do it, and the motives for the attack. Could it be that some Anti-Second Amendment official wanted the "high profile" raid to show how "wackos" are stockpiling firearms and ammunition, just in time to introduce additional wording in the Brady Bill, perhaps to ban importation of military ammo, or SKS's? If that is the case, I hope the bastard gets to sleep well at night, maybe society could tattoo the names



of the dead on his forehead so he sees them every time he looks in the mirror.

**Q** In mid July, I placed an order with FED ORD from an ad I saw in Shotgun News. As you can see from the letter, I got stuck with an empty bag. If I would have used a credit card, I could have protested the charge. But I sent them a postal money order so the court is my only hope. Maybe you could advise your readers to use their credit cards when buying something from one of the many ads in your paper.

I really like Machine Gun News and Shotgun News. I hope people like FED ORD don't hurt your business. Even though they went belly up in January, they owed me money since August 1992.

Harry K.

**A** Fed Ord is in receivership, with an expected Chapter 7 Bankruptcy filing. You will find that under Chapter 7, liquidation, your chances of getting your money back are kind of hopeless. The secured creditors will split up the proceeds of the sale of any assets, with whatever is left being pro-rated out to the unsecured- read that - you. I lost a lot last year to people filing Ch 7, and have got to say that folks in that unfortunate position are usually beyond their own ability to solve their problems when they are forced to that point. Can't get blood from a stone. However, that is not a reason to ignore the court. There may be a chance of collecting something if you wait it out. Just don't count on it for the rent money. All inquiries or claims against Fed Ord should go to:

Customer Claims, Federal Ordnance Management Organization, PO Box 6050, El Monte, CA 91731

In regard to paying with a credit card, it does give you some leverage, and credit card orders tend to get dealt with faster than personal checks, but not faster than money orders. In addition to the charges that your credit card company hits you with for using the money, the vendor you buy from is charged a percentage by the bank. That percentage is between 2-6% depending on how the bank views the business' sales. That cost is usually born by the customer, even though the "Consumer Protection Agency" says that the business cannot charge the customer that fee. By the same token, in the machine gun business, a \$2000 machine gun may be sold with a \$100 profit to the dealer. If you want to use a credit card for the purchase, and it costs 4%, that would be \$80. Expect to pay the fee or send a money order, because the dealer is not going to work for NO profit, the market is already keeping the margins

# Bureau of Alcohol, Tobacco and Firearms Data through 12/31/92 NFA Registration Activity - By State of Applicant

State	F1	F2	F3	F4	F5	F6	F10	LTR	4467	OTHER	TOTAL
Alabama	623	3237	7345	3098	10907	69	186	72	1909	51	27497
Alaska	158	53	1926	736	700	4	29	20	175	6	3807
Arizona	1023	34638	13590	4725	5891	55	140	241	4234	198	64735
Arkansas	535	2958	2977	1299	1750	60	77	10	623	30	10319
California	3897	12707	9148	525	27758	859	1275	521	5308	2675	64673
Colorado	860	1191	4540	1375	4322	109	115	62	714	90	13378
Connecticut	415	90851	8109	2847	2403	211	112	64	879	75	105966
Delaware	25	-	15	4	51	27	31	18	105	2	278
District of Columbia	80	666	1161	20	2934	154	3	16	95	262	5391
Florida	980	45181	21532	5428	16859	133	439	315	1915	153	92935
Georgia	890	38077	33167	4514	14354	112	127	212	2051	164	93668
Hawaii	79	7	9	5	259	17	32	7	88	1	504
Idaho	274	65	1929	751	2341	44	82	13	481	84	6064
Illinois	1691	5563	12433	523	9794	640	364	581	2009	222	33820
Indiana	1107	766	8734	4482	12576	200	141	57	911	81	29055
Iowa	1022	11	376	267	1505	181	123	30	731	51	4297
Kansas	672	103	1006	158	2869	134	177	59	793	55	6026
Kentucky	583	7850	8808	2187	3078	189	106	120	1044	54	24019
Louisiana	441	490	3131	493	3894	127	143	130	923	37	9809
Maine	465	6613	2034	490	606	43	23	63	545	27	10909
Maryland	439	2140	7671	3040	8106	174	100	347	873	111	23001
Massachusetts	1136	4903	3144	895	2234	266	96	93	854	141	13762
Michigan	1149	3758	2149	443	4767	633	280	134	1741	55	15109
Minnesota	1506	342	1539	948	3745	190	150	64	542	116	9142
Mississippi	185	28	1680	885	1469	47	73	36	777	29	5209
Missouri	1610	2007	3029	637	3954	208	280	28	1067	364	13184
Montana	288	41	1128	367	642	45	36	6	431	10	2994
Nebraska	419	45	1539	665	837	110	101	21	853	35	4625
Nevada	351	1398	4512	1742	2066	20	51	48	245	25	10458
New Hampshire	169	8253	1894	593	955	40	23	7	335	4	12273
New Jersey	705	1235	2002	84	6463	235	216	95	698	150	11883
New Mexico	318	1230	2271	1013	3775	42	83	9	303	27	9071
New York	850	10577	3905	172	6860	562	385	184	725	1006	25226
North Carolina	416	561	4342	1292	4802	125	193	187	1534	110	13562
North Dakota	180	863	411	167	163	47	44	2	181	8	2066
Ohio	1610	123785	22174	4781	10532	635	343	307	2131	123	166421
Oklahoma	852	14646	8763	2475	3540	126	273	40	1367	84	32166
Oregon	1263	2406	4779	1890	3427	80	197	31	1440	81	15594
Pennsylvania	1234	7696	15445	5066	5785	788	436	131	2298	131	39010
Rhode Island	72	190	242	80	645	18	16	13	98	9	1383
South Carolina	231	9066	323	48	2103	98	132	20	1438	7	13466
South Dakota	350	2	214	151	329	49	19	1	226	27	1368
Tennessee	532	6354	16520	3151	6424	176	221	87	1687	627	35779
Texas	3842	23704	34167	8388	16096	429	716	438	3342	391	91513
Utah	222	7067	2568	568	1691	72	95	60	607	23	12973
Vermont	66	1335	502	119	352	14	23	4	130	5	2550
Virginia	698	24860	8898	3006	10706	355	357	149	1890	117	51036
Washington	983	268	353	559	5393	136	183	50	2140	72	10137
West Virginia	211	72	714	401	469	272	37	16	642	11	2845
Wisconsin	662	532	4108	1669	5087	194	181	106	812	19	13370
Wyoming	363	4647	506	323	814	41	42	4	215	16	6971
Puerto Rico	-	1	-	2	328	2	-	-	2	1	336
Virgin Islands	-	-	1	1	26	-	-	1	-	-	29
Other	34	6064	6130	25	1026	17	3	107	30	109558	122994
Total	38766	521103	309593	79573	250462	9614	9110	5437	57187	117811	1398656

Form 1 - Registered by Individuals Form 2 - Reg. by Class 2 or Importer and still in their possession Form 3 - Possessed by S.O.T. (Class 3 dealer, Class 2, 7, 9, 10) Form 4 - individual - tax Paid Form 5 Law Enforcement, and for repair Form 6 - Imported Letter - Amnesty period reg. by letter. Form 4467 - Registered during the 86 GCA Amnesty. OT - Other Category for "Who knows what". These would also be special arrangement transfers.

in Class 3 down. There is also the problem of you needing to settle the account in a period of time stipulated by your company, or you may not get your money back- they don't want to get stuck with a bad debt either. I'd check with my card company

before I assumed that I was protected from bankrupt vendors by using a card.

**Q** First let me say that I really look forward to "The Forms" section every issue. I saw a question in the March 1993 issue to which



I wish to give some feedback. It regards the question of the \$200 tax being deductible for Federal Income Tax Purposes. I have 6 Class III weapons on Form 4's. My accountant has always deducted it as allowable and IRS has never challenged it. He says it is a Federal Excise Tax and, as such, does not have to relate to my occupation (I'm a physician). I thought that I would pass that along — for what its worth.

R.W.

**A** I am not sure that a "Transfer" tax qualifies as an "Excise" tax, according to federal statutes. However, if your accountant feels good about it, by all means. I would recommend that anyone who is considering deducting transfer taxes get their accountant to look further into it. I did speak with the local IRS about it, and was the recipient of total silence until the "specialist" on the line asked me if I wanted to talk about the changes in "office in the home" rules. Nah. I just want to know, if I'm driving my car at the speed of light, will I see a deer in my headlights? If there are any intelligent IRS agents reading this, please drop me a line, I'd love to have a better source for tax information.

**Q** Regarding the HK Sear article and the several questions that have been in "The Forms" column lately. Is there a different way to install a registered sear than using a semi-auto pack with the registered sear and the full auto parts? For example, could you install the reg. sear in a SEF of four-position trigger pack and then "block" the pack to fit the firearm receiver, or would that constitute an illegal machine gun? In the HK sear article you mentioned, "Care should be taken when blocking is done to ensure that an unmodified full-auto trigger pack will not fit in and function". Were you referring to the plastic housing only, or were you referring to the housing and the trigger pack?

By the way, the article was great (as is MGN and the MGDB), but it is such a complex issue that I believe that you will be "stepping deeper into the maze" for quite a while. How about a monthly or bi-monthly article for HK's?

J.C.

**A** I've thought about a monthly HK article, but Vida has such a hard time getting Rafica and The Forms on time, I don't think she'd believe me if I said I was going to try. Let alone when I do a feature, which has been infrequent, of late. To your question, the trigger housing must be modified so that an original full auto trigger pack may not fit into it. (Except in the rare case where some-

one registered the trigger pack itself before 1986). Three shot and four position lowers are a nightmare to install on a registered HK sear. The sears are shaped very differently, and require a lot of fine tuning to install. A good rule of thumb on modifications is that if the original sear will fit in your trigger pack and make the pack function full auto, then fit into your clip-on lower, which in turn fits onto a semi HK, you have a violation. The registered HK sears that are available do not function in the original sear position on a full auto trigger pack, they function in the front elbow spring position of a semi-auto trigger pack. Some of the more versatile Class 2 manufacturer's guarantee that they can do the conversion, and I have seen it done a number of times, and quite nicely. Just make sure they are not transposing serial numbers from your registered sear to another sear, that's illegal and eventually will be disallowed.

**Q** I'm a type 1 FFL dealer and own several Class 3 firearms for myself. I got a call the other day from my local ATF office that they were reviewing my request for renewal for my FFL, and that they needed to do a compliance check. The next day I met with them and they reviewed my records, etc. They didn't seem to give a flip about what I had personally, but are very anxious about checking my 4473's and the bound book entries. They wrote down information from about 50-60 of my 4473's, but did not explain why. Can you elaborate what they might do with this information? I know most of the folks I sell to, but I don't want to alarm them as to what happened during this check. They told me that everything was OK with my paperwork, and quickly left with their information. Will I hear from them again?

Steve

**A** There are two legitimate BATF operations that would cause the compliance personnel to take that info. The first is Operation Forward Trace, which is aimed at starting at the factory or importer and following the movement of firearms that are considered to have a high probability of criminal use to the end user. I have yet to hear of the agents using this to shut off the Bad FFL's who pipeline the small cheap 25's and 22's into the inner city gangs. The most famous use that we have heard of was the arrest of F.J. Vollmer for buying GSI Steyr AUG's from police officers and National Guardsmen who were legally allowed to purchase them, and not restricted from selling them. USA today called the Steyr AUG the "Preferred weapon of drive-by shooters, because of

its size". The firearms industry obtained information about the NCIC requests for information regarding crimes with Steyr AUG's, and we found that there were none. So, it seems, Operation Forward Trace appears to be used only to prosecute nice, paperwork violations.

The second use is not Operation Trigger Lock, as you would think. Trigger Lock was supposed to catch felons in possession, but has been used almost exclusively to build up the personnel and power of some BATF offices and to build tax and paperwork violations into major raids and assaults on residences and businesses. The infamous Johnny Lawmaster case is one example. No, the second use is the old one, the spot check to see if an FFL holder is selling to felons, or if an inordinate amount of the firearms he sells end up stolen. These would be helpful "red flags" that would indicate a deeper look is needed at the operation of the dealer in question, or some of his customers.

The last possibility is one that we all are expecting, since the California ban on "assault" rifles. Several BATF agents have been caught going through Form 4473's, taking the purchaser's names, addresses, and serial numbers on firearms that are on the ban list, and were compiling lists for the California police to cross reference in order to catch people who did not register them. That is - almost every purchaser - because hardly anyone complied. This activity is illegal as all hell, and the agents know it. It is only a few of the anti-Second Amendment zealots that do it, but try and remember that they are forbidden from keeping firearms owners lists. That is why the 4473's stay in your possession until you go out of business. If you think you have some problem children coming in to go through your records, talk to an attorney, and maybe have him present for any compliance check. Then set up a video camera and let the agents know you are recording them. If you think that the agents are doing something illegal, speak with any friendly local law enforcement personnel, and help set up a sting. Make sure that your local NRA knows that the agents are exceeding their authority. I am not saying that BATF personnel are involved in a massive conspiracy. I am saying that there are some bad apples in the ranks and you should protect yourself and your customers. The vast majority of compliance checks are eventful procedures that help determine whether you are in keeping with the laws and regulations regarding your business practices. These checks also tend to weed



out sloppiness in the FFL holder. When you signed the Form 7 to apply for a license, you agreed to make your licensed premises available to one unscheduled inspection per year. Most agents will make arrangements to meet you for the compliance check, if you are not open when they come around. This has been bastardized by some agents to mean that they can burst into your house at 3 a.m. and strip search everything. That is not what it means. They still need probable cause and a search warrant. That is what an agent wandering around your shop and asking "innocent" questions is gathering. Probable cause. Remember that no matter what anyone says, you did not give up your Fourth Amendment Right against unreasonable search and seizure when you signed the FFL. The US Supreme Court has upheld that you cannot give up a Right. If any liberals want to argue that, tell them about how all the "rights" they keep inventing can then be given up.

**Q** I wish to make an M79 Launcher. I have a question about paperwork requirements, also parts locations.

I am a Michigan C & R license holder at my residence address and a Class 3 holder at my business address. I have been told you would be the best qualified to answer these questions.

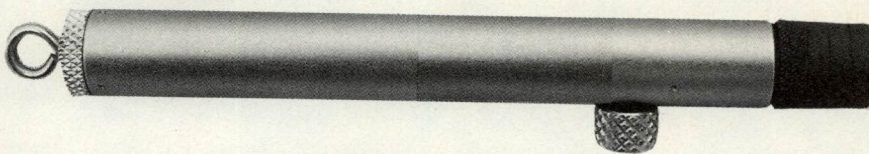
Mark

**A** Parts are available at most gun shows and from many MGN advertisers. Making an M-79 is done utilizing a Form 1, Tax-Paid. There is a \$200 making tax, and the fingerprint and photographs must be done as well as the law enforcement certification. It is a similar procedure to a Form 4. Physically, you may have possession of a barrel or receiver but never both until the Form 1 is returned approved. It is the approval that signifies that you may manufacture the M-79. The receiver by itself is not a Destructive Device, it is a Title I firearm, and is written into your Acquisition and Disposition book as a receiver only, with no caliber. You did not indicate whether you were buying the receiver and barrel separately or were making the receiver yourself then buying a barrel. You should be aware that NFA Branch is holding that you may not receive, directly or indirectly, both the receiver and barrel from the same person. They must be from separate sources for a Form 1. If you have a source to purchase a complete M-79, you may do so and state on a Form 4 using your FFL.

Questions to:

Dan Shea, c/o MGN  
PO Box 759, Hot Springs, AR 71914

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# Archive Photo of the Month

*From the Robert Bruce Collection*



**Hollywood 1945.** (Left to right) Richard Conte, Lloyd Nolan, and John Garfield man "Chief", a .30 cal. Browning M1917A1 machine gun in the great war movie "PRIDE OF THE MARINES". Credit: Author's Collection. Copyright© 1993 **ROBERT BRUCE PHOTOGRAPHY**. Editor's Note: Robert regrets that he cannot handle individual requests for photographs. However, publishers and documentary filmmakers, etc. are encouraged to contact him for information on use of archive images. Send self-addressed stamped envelope and details on intended use to **ROBERT BRUCE PHOTOGRAPHY**, P.O. Box 482 MGN, Sandston, VA 23150.



Tax time special 10%  
off all listed items till  
May 15, 1993.

# GUNMACHINES

Tax time special 10%  
off all listed items till  
May 15, 1993.

**We Make Thompsons WORK! We Make Thompsons ROAR! and MORE!**

**Proven Reliability Kits and Innovative Parts  
for the Models 1921, 1928, M1 and M1A1 Thompson Submachinegun  
NOW IS THE TIME TO MAKE YOUR THOMPSON WORK!!**

## GUNMACHINES SPECIAL OF THE MONTH

Reliability Telescoping Pilot Kit for all 1928, M1 and M1A1 TSMG's (See A. below) plus Reliability Double Closed-end Recoil Spring Kit (See R-8 below)  
Plus new Savage extractor. All for **\$75.00 plus P&H**

### A. Reliability Telescoping Pilot Kit for all 1928, M1 and M1A1 TSMG's.

Prevents recoil spring bulge and kink - the major cause of bolt cycling and noncycling related malfunctions. Complete with buffer pad and 11 inch double closed-end recoil spring. State Model when ordering ..... \$ 59.95

**B. Reliability Fixed Firing Pin Kit for Models 1921 and 1928.** Fixes the firing pin to function like a M1A1 milled firing pin. Just substitute kit parts for the firing pin system parts in your 1921 or 28 bolt. Enhances ignition reliability. Kit includes Reliability Fixed Firing Pin Hammer, Hammer Pin, Closed-end Firing Pin Spring and two Savage Firing Pins ..... \$ 42.50

**C. 1921 Reliability Pilot and Buffer Assembly Kit.** Gunmachines made 1921 type pilot and buffer with two 1921 closed end recoil springs, 10" and 10 1/2". Save wear on your valuable 21 parts or convert your 1928 to a 1921 when used with a 1921 or 1921 type actuator ..... \$ 62.50

**D. M1/M1A1 Extended Sure-Grip Cocking Handle.** Quality made from new Savage cocking handles but 1/2" longer and fully knurled for fast, fumble free operation of your M1 or M1A1 TSMG. This item greatly facilitates the handling human engineering characteristics of the M1/M1A1 ..... \$ 29.50

**E. M1/M1A1 Reliability Kit Plus:** Extended Sure-Grip Cocking Handle, M1/M1A1 Reliability Telescoping Pilot, Buffer Pad and 11" double closed recoil spring. Reliability Internal Spring Kit (one each: sear sp. trigger sp. magazine catch sp. disconnecter sp., frame latch sp. and firing pin sp. (if needed for M1 bolt) and new Savage extractor, ejector, frame latch and M1 hammer if needed for M1 bolt. .... \$ 99.95

### F. M1/M1A1 Speed Pilot, Buffer, Springs, and Cocking Handle

Gun machines made to increase the cycle rate of your M1 or M1A1 by approx. 200 rounds per minute when used with your M1 or M1A1 bolt lightened according to Gunmachines instructions. If you have an extra M1A1 bolt, this is the way to go for making your M1 or M1A1 really roar.

..... \$ 99.95

**G. 1928 Reliability Kit Plus:** Reliability 1928 Telescoping Pilot and Buffer, 11" double closed-end recoil spring. Reliability Internal Spring Kit (one each: sear sp., trigger sp., magazine catch sp., disconnecter sp., frame latch sp., firing pin spring.) and new Savage extractor, ejector, frame latch and firing pin. .... \$ 89.95

Same, but also with Fixed Firing Pin Kit. .... \$124.95

**H. 1921/1928 Speed Bolt:** Increase the cycle rate of your 1921 or 1928 TSMG by approx. 200 rounds per minute. New Savage 1928 but safely lightened by 1/3 weight with new Savage extractor installed. Really makes your Thompson roar! .... \$ 99.50

Speed Bolt with Fixed Firing Pin Kit installed. .... \$135.00

**I. TSMG Barrel Blocks:** For the correct and damage free removal of the TSMG barrel for 1921, 1928, M1 and M1A1. (also works on the 1927A1 AO semi-automatic carbine) ..... \$ 37.50

**J. 1928 TO 1921 CONVERSION KIT.** Gunmachines 21 actuator, 1921 Gunmachines pilot and buffer, two 1921 recoil springs (10" & 10 1/2") For converting 1928 to function and cycle as a 1921. Just substitute these parts for the corresponding parts in the 1928. .... \$149.50

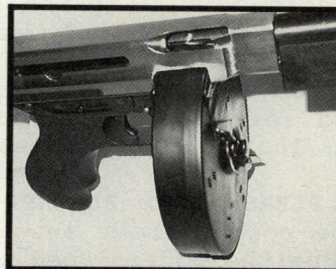
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R-3 Reliability Lock II (Gunmachines H-piece)	.....	\$ 39.95
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UNITED STATES BANKRUPTCY COURT  
WESTERN DIVISION OF KENTUCKY  
LOUISVILLE DIVISION

Involuntary Chapter VII  
Case No. 92-34104 (2) 7

UNITED STATES DISTRICT COURT  
WESTERN DISTRICT OF KENTUCKY  
LOUISVILLE DIVISION

U. S. District Court  
Case No. C-92-0690L (A)

In Re  
Michael Wayne Brown  
d/b/a Group Industries  
  
Debtor/Appellant

)  
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)  
)  
)

**NOTICE OF CHAPTER VII INVOLUNTARY BANKRUPTCY/APPEAL  
OF DISMISSAL OF CHAPTER XI PETITION CASE/  
SECURITY INTEREST IN DEBTOR'S PROPERTY**

**PLEASE TAKE NOTICE** that an Involuntary Chapter VII Bankruptcy petition, Case No. 92-34104 (2) 7 was filed against MICHAEL WAYNE BROWN d/b/a GROUP INDUSTRIES, 215 Steedly Drive, Louisville, Kentucky 40215, on November 25, 1992. A motion by the Debtor to dismiss the Involuntary Petition was overruled on February 8, 1993.

**PLEASE TAKE FURTHER NOTICE** that the case is being held in abeyance pending the outcome of an appeal of the dismissal of Michael Wayne Brown's Chapter XI Petition which is being reviewed by the United States District Court, Western District of Kentucky, Louisville Division, in Case No. C-92-0690L (A).

**PLEASE TAKE FURTHER NOTICE** that property of the Debtor, Michael Wayne Brown, d/b/a Group Industries, which includes the Uzi type sub-machinegun Receivers, parts, manufacturing equipment, and tooling described below is collateralized by a Security Interest held by the undersigned.

All parts, manufacturing equipment and tooling, which were purchased from funds held in escrow and which are therefore specifically used for the assembly and manufacture of Uzi-type sub-machineguns, all leases for manufacturing equipment and tooling used for the assembly and manufacture of Uzi-type sub-machineguns, Uzi-type sub-machinegun receivers and parts, together with any and all proceeds therefrom. A complete set of stamping dies used in the manufacture of Uzi-type sub-machineguns to include but not limited to the receiver dies, folding stock dies, and trigger housing dies. A complete set of molding dies used in the manufacture of pistol grips and foregrips for Uzi-type sub-machineguns. 1 Tsugami Mercury NU4B CNC Precision Automatic Lathe, S\N 8573 Tsugami FANUC 10 TA Control, S\N 7159845, with 3-jaw chuck, tool set, programmable swing-away tailstock, over-the-spindle milling attachment, additional memory, 2 face drills, 3 sets soft jaws, 1 parts counter interface, 1 chip conveyor, 1 milling head, 1 transformer, 1 workpiece catcher, 1 LNS Hydrobar. 1 1\2" 50 deep hole drill, 1 1\2" 50 rifling machine, 1 six spindle reaming machine, 1 Sheffield air gauge, assorted tools including drill bits, rifling broaches and reamers. 1154 Stock Pivots; 50 SMG bolts; 50 Cocking Slides; 50 sears; 100 cocking handles; 1200 cover catches; 200 extractors & pins.

**PLEASE TAKE FURTHER NOTICE** that none of the collateral described above may be sold without an order of one or both courts referenced above. Inquires may be made to the Undersigned or through Mapother & Mapother Attorneys, Attn: Charles M. Friedman, 801 West Jefferson Street, Louisville, Kentucky 40202, (502) 587-5426.

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## Classified Advertising

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**M60E3 SAGO parts RIA receiver fully transferable spare barrel ammo backpack \$8500. HK 21 Vollmer sear 3 shot \$4500. MP5K A2 3 lug Padel SEF \$2575. AK 47 .223 Poly \$1700 HK 43 A2 .223 sear \$2500. MP5SDA3 sear \$3200. 1919A4 8mm 308 06 \$2800. FN49 30/06 exc \$500. Rob 215-588-9878 M-16 SGW \$1500 (xmay)**

**Wanted: MG-34 receiver transferable on Form 4 to C&R licensee. Call Warren @ (512) 322-9528 EST. Leave message.**

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**Colt M16 "Commando" mod 639 w/suppressor \$4500. Colt M16A1 carbine NIB \$2695. Colt M16A2 carbine NIB \$3500. Colt M16A1 HBAR w/bipod NIB \$3200. Olympic Arms M16 lower and upper \$995. Wanted: Semi-auto SP-89, HK-93, HK-94 and Steyr Aug. Call Wayne (510) 828-8614 (xjun)**

**Colt AR-15 9mm SMG 10-1/2" barrel retractable stock \$2,400. Colt AR-15/16 10.5" fire 16" barrel, retractable stock \$2,400. Both have cosmetics and are by John Norrell. Both are in mint condition, never fired. All NFA rules apply. Call Jim Anglemeyer w-(703)658-0001 h-(301)953-1890. (xoct)**

**For Sale: Transferable unless otherwise noted. 1921/28 Thompson early refinish or upgrade to presentation quality appearance, \$5000; Rockola M1 to M2 carbine conversion, minty, \$1900; M3 Guide Lamp reparked .45 cal with rare (5000 made) 9mm D-Day conversion kit, \$3000; 1918 BAR Winchester with British proofs, beautiful, \$5000; Johnson LMG, museum quality, \$4500; Rare original Reising M-55 with folding stock, very good, \$2000; UD-42 (Pre-DS), good condition, \$1200; also stocking modern guns at competitive prices (Uzi, MP5, G3, AR-18) and handling Virginia transfers. Photo available, \$3 each, all for \$6. Jim 804-979-2350 days or 823-5853 eves. All NFA rules apply. (xjun)**

**Connecticut Residents: Let me handle your transfers: \$30 per unit. AWC Suppressors NIB: Optima (fits Colt AR15/M16 w/no modification) \$405; Warp 6 (9mm pistol) \$405; Archangel II (.22LR) \$325; Nexus .45 \$675. Call Chris, Public Safety Int'l 203-438-6017. All NFA rules apply. (xsep)**

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**Rare Navy MP5 SMG thread cleaners designed to clean the 1/2 x 32 threads on the MP5N SMG, but will clean all other threads on sub-guns, hand guns and rifles. So the threads will not be damaged when using a suppressor or muzzle stabilizer. Limited supply \$14.95 ppd. Contact: APK 9378 Arlington Expressway, #324 Jacksonville, FL 32225 Phone/Fax: (904)724-8251. (xjun)**

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**Massachusetts Residents Let me handle your Class II & III needs. Large inventory of quality machine guns in stock for immediate transfer. Will do conversions on your HK guns. We are buying, selling, trading, and will do transfers. Alpha Arms Paul. (508)478-3393 (xoct)**

**M-16/AR-15 30 rd magazines. New in wrapper. 1-19 \$6.00 20-49 \$5.50. 50-99 \$5.00. 100 or more \$4.50. Used \$3.50. MRE's \$30 case (12 meals) shipping extra. Joe's Gunshop, Box 194 Jetmore, KS 67854 316-357-6544 eves best. (xjun)**

**Reising Owners - 50rd drums that look and perform great. Alpha Tripod adaptor kits for your 1919 BMG. Rebuild/repair service for MG34 ejector plates, etc. Parkerize refinishing available. SIBARCO -PO Box 1555, Martinsville, IN 46151 (x)**

**Post samples: CETME Ameli MG-82 \$4,000.00. Yugoslavian RPK M-72 with 75 and 100 rd. Drums \$1,200.00. Pre 86 Samples: Finnish Jati SMG. 9mm \$3,000.00. Panther BXP SMG from South Africa 9mm \$1,500.00. Transferable Guns: Pre Auction MAC-10 in .45 ACP with original suppressor and all the accessories \$1,000.00. NESA BAR Korean War vintage excellent bore and shooter fifteen mags \$3,000.00. M-2 Carbine excellent shooter Inland mfg. \$1,000.00. Two South African Panther Suppressors Registered cutaways \$200.00 a piece. Suppressed stainless Ruger I. A.I. mfg \$500.00. Colt AR-15 Form 1 to XM177 configuration \$2,000.00. Wanted: transferable Schwarzlose. Will consider interesting trades. Call Jim Ballou at Bob's Tactical 1-508-465-5561, or 1-617-592-3992 at home.**

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

**West Kentucky Residents, Stocking Class 3 dealer have Colt, UZI 1918 A2 and S&M-76's. Will also handle in and out of state transfers. Mastercard and Visa accepted. Call or Fax (502)554-5470. (xjan94)**

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## Classified Advertising

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**Massachusetts Machine Gunners, Law Enforcement, Federally Qualified Individuals and Dealers;** Class III stocking dealer, buying, selling and transfers. Excellent prices and service. Please call; Wayne Pleasant, (413) 863-2796. 16 Carlisle Ave. Turners Falls, MA. 01376-1519. (xnov)

**S&W 76, MK 760 barrels** for sale. Standard length 10" length thread 1/2 28 for suppressor, flasher hider. Call for prices (413) 786-8541 John

**Colt Thompsons;** 1921A, 1921AC, navy. Several guns being offered for sale. Conditions vary from 80% to 98% Have mint 1921A for 12,500. Prices start at 4,000. Call Rodney at 410-661-2691. Please leave message if machine answers. (xjul)

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**AOC - Thompson M1** - NIB fully transferable, \$1625.00 plus s/h. Gene (800)552-0902 VA. (xjun)

**Beretta BM59** - Fully transferable, \$1825.00 plus s/h. 7.62mm rare E Model - looks like Grand M1, low s/n 13x, see MGN Oct 89 review - photo copy available, Gene (800) 552-0902 VA (xjun)

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**Machine Guns:** Bridgeport Thompsons at 3,000 and up. Early Colt ArmaLite AR15 curio relic gun 2,200. HK51 pinned receiver gun 3,250. M16A2 carbine new 3,595. Pre-May UZI 1,650. Mint 1921A Colt 12,500. Colt Navy 95% plus 7,900. Call 410-661-2691. (xjun)

**For sale M9-7 Flame Thrower** new, firing condition. Inside of tanks bright and shiny, inside pressure bottle cosmoline, gun has original plugs, paint excellent. First year Viet Nam with 8XX serial number. Parts wanted for any Flame Throwers. Charlie 315-468-2582 (x)

**Factory Colt 9mm 32 & 20 rd mags,** factory Colt 223 30 rd mags. Factory Ruger 30 rd mags, mac stingers, Ithaca stakeout shotgun, Colt 9mm SMG w/integral suppressor by Norrell, AO Thompson M1 and 1928. H&K MP5K, green label Colt carbines 223 and 9mm Gailil AR 223 semi-auto see-through scope mount w/rings for AR-15 or M-16 \$25. Wanted reg. drop-in auto sears for AR-15. Everything in this ad is new in box or mint condition. All NFA rules apply. Keith 503-663-1082. (xjun)

**Colorado, Law Enforcement and Residents,** Dealer will handle your Class III needs and process transfers for qualified residents. John: days(digital pager) 303-230-7614. eves 303-674-1760. (xfeb94)

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**Class III dealers and law enforcement agencies** Post 86 dealer samples available in the following models AR15-M16 conversions now \$699-750, AKS-AK47 conversions \$490-600, NHM91-RPK conversions \$599 Mossberg 500 AOW 9" 3 shot or 11" 4 shot. Many SBS & SBR available. AR 15 type semi auto rifles \$550-700. Will quote conversions on your weapons. DAI Rt 3 Box 216-10 APEX, NC 27502. 919-387-8264 (xaug)

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**Fleming Micro-UZI, Exc.** \$1800.; Tippmann 1919A4, .22 LR Exc. \$2700.; (210)-434-5450. (nov)

**M1M1 249 2.23 MG** spare part's new barrels latest up date parts for new configuration. Also buying 249 parts new or used. Contact Patrick McKinney at Cal. 714-956-7566 or K.C. 502-538-3625. (xnov)

**Transferable; Sterling MK6** \$2,450./ Hotchkiss MK1\* .303 \$2,150./BSA Lewis .303 2@ \$2,950. ea/Maxim 08/15 restored & complete \$1,650./Chinese ZB-26 original \$3,100./ AVT 40 full auto \$1,550./Maxim 08/15 original & complete \$1,600./Vickers-Wilson 8mm \$3,450./ Madsen 50 9mm \$1,400./ PPS43 \$2,250./Ruger KAC556F \$1,450. - Blue - \$1,200./Maxim 08/15 Amnesti registered receivers stripped \$850. ea/ Vickers Colt receiver \$3,550./1919A4 .308 on Israeli parts kits \$2,350. ea/S&W 76 \$1,450./M-11 PS .308 w/suppressor \$1,150./Integrally suppressed Reising by Ciener \$1,200./ Pre-May Samples Madsen 50 30-06 w/mount \$1,650./1932 Mauser Schnellfuer \$1,650./FNG-1 \$2,200./Madsen 50 9mm \$800./Guide Lamp M3A1 \$1,450. parts; Lewis - Bolt complete mint \$125./Top cover \$100./Gas tube \$75./Op rod \$85./Feed arm \$75./Bolt head \$35./Gas chamber \$175./grip assembly complete \$175./extractors \$10./Extractor springs \$10./Cartridge guides \$15./Sears \$15./Stop pawl \$15./Rebound pawl \$15./Bolt \$75./Furr Arms co. 1/3rd scale 1893 Police model Gatling .22 sht new & unfired \$4,000. Tom 904-388-1200 9-5pm M-F (I will trade any of above c RAMO .50) (xjul)

**Tarrant County Texas Residents.** Class 3 sales and transfers. Call Bob at "Bob's Guns". Message number 817-561-9054. Calls will be returned. (xapr)

**American 180 Pre 86 dealer samples (KEEPERS)** good guns, guaranteed to run registered UZI bolts, I do HK and UZI conversions, American 180 integral suppressors, custom suppressors to suite personal needs, db reduction requals any available call Harley 602-943-1164.

**Wanted: Colt XM177E1.** 10.5 inch barrel with matching numbered suppressor. Roll marked as Commando with forward assist. Must be transferable to individual. Prefer excellent condition to NIB (yeah right). Will make reasonable offer. Jeff (404) 531-1170 (xjun)

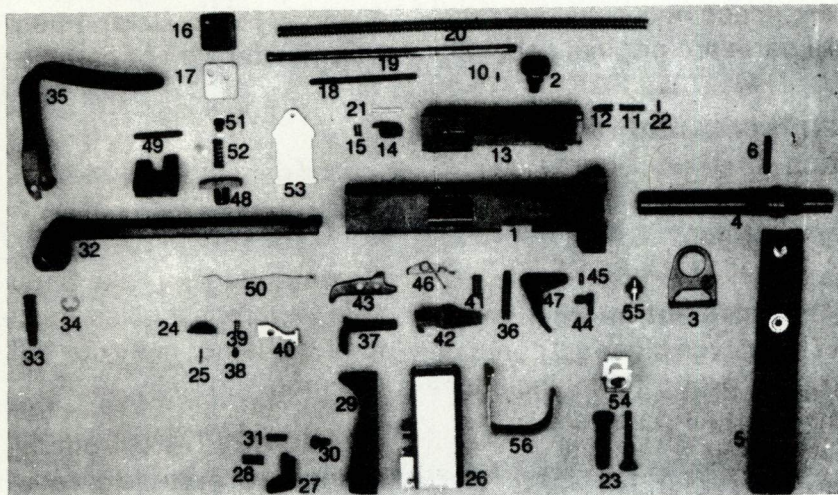
**Attention Class III Dealers:** Landies 1917 30-06, 308 \$4500 - Colt M-16 A-2 HBAR mint \$4000 - MAC/RPB M-11 380 cal w suppressor exc \$850 - IMI UZI pre 86 D.S. mint \$2000 - AWC 308 suppressor \$1000 - Wilson Arms Sten Gun \$800 - AWC Optima \$600 - MAC/RPB 9mm w/suppressor \$800 contact Edmund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

**New Colt 1-7, 5.56 NATO** bbls, \$100 ea.; M-16 GI carriers, \$40 ea.; M-60 bbl. assy's nice, \$175; M-60 parts, new, call, M-2 parts & bbls, E3 parts kits call; Mimi 249 parts, new bbls, \$300 ea.; n slides \$75 ea; 92F mags, new, \$100 ea; used 30 rd. GI mag., \$3 ea.; Contact: Patrick McKinney, Cal. 714-956-7566, Ky. 502-538-3625. (xbnov)



# Original Cobray SMG Replacement Parts!

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



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3. Hanger	2.50
4. Barrel	26.95
5. Strap Assembly	5.00
6. Spring Pin, Barrel	1.00
10. Spring Pin, Recoil Spring Rod	1.00
11. Compression Spring, Bolt Handle Detent	1.00
12. Bolt Handle Detent	1.75
13. Bolt Assembly	85.00
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15. Compression Spring Extractor	2.00
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18. Ejector	3.00
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20. Compression Spring, Recoil	1.50
21. Spring Pin, Extractor	1.00
22. Spring Pin, Bolt Handle Detent	1.25
23. Receiver Pin	6.95
24. Button	2.00
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26. Mag Housing	11.95
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35. Wire Form Butt	12.00
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37. Sear Pin	15.00
38. Safety Detent Plunger	1.00
39. Compression Spring, Safety Detent	1.00
40. Safety Slide	4.25
41. Compression Spring, Sear	1.50
42. Sear	10.00
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46. Torsion Spring, Trigger	2.00
47. Trigger	5.00
48. Latch	4.00
49. Stock Latch Pin	1.25
50. Retainer	2.00
51. Plunger, Stock Latch	1.75
52. Compression Spring, Stock Latch	1.75
53. Sight Plate	7.25
54. Receiver Tab	2.00
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56. Trigger Guard	10.00
57. Stock Block	9.00
58. N/P Firing Pin for M11/9mm Full or Semi, Please Specify	8.00
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60. N/P M10/9 Feed Ramp	2.00

## INDIVIDUAL PARTS AVAILABLE FOR M10/45, M10/9, and M11/380!

### .22 Cal Threaded Barrels

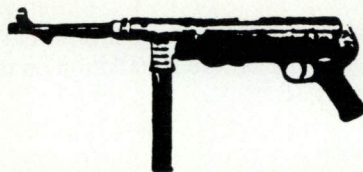


.22 Beretta Minx Bbl	44.95
.25 Beretta Jetfire Bbl	49.95
.22 3/4 High Standard	34.95
.22 3/4 Deluxe High Standard	44.95
.22 Ruger Pistols	34.95
.22 Deluxe Ruger Pistols	44.95
.22 AR-7 8" Barrel (Pistol Only)	39.95
.22 Fake Suppressor	14.95
10/22 or 1/2x20 Thread Protectors	5.95
AR-7 Bbl Nut	8.95

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

### MP5 Front Assault Grip -

Are you really going to pay 80.00 for a plastic grip?! RPB has in stock a limited quantity of high quality MP5(k) front vertical grips. These will not melt at the pin hole! On special this month only at **19.95**



**MP-40 Threaded Barrels** - RPB has a small quantity of newly manufactured MP-40 threaded barrels. These barrels are of the highest quality and are threaded to accept sionic suppressor. **only 99.95**

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

### UZI Barrels

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

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RPB 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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# RPB

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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.

## "If They Holler Make 'em Pay!"

**GM sues NBC** for slander and gets instant results. A full retraction and a \$3 million settlement. To say they groveled is putting it mildly. How does this relate to you and I? Handgun Control, CBS, and other anti-gun groups have, for years, made it their goal to deprive you and I of our 2nd Amendment rights. To attempt to deprive anyone of their Constitutional rights is a violation of federal law.

What a feather in any lawyer's cap! To take on any or all of these groups in federal court and win would ensure a bright and profitable career for a budding barrister. The more suits filed the quicker we bleed this monster of its life blood, money. The suits should be directed at the spokes people and the organization separately. The more suits, the more it costs them.

It is time for our first real assault on the gun grabbers. Let's stop our defensive, knee jerk response to anti-gunners and go on the offensive!

Not much this time as I have to devote the rest of this space to selling products in order to pay the bills. These thoughts are mine and not necessarily those of the magazine.

William H. "Bill" Fleming

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The K-STOCK is the newest in our product line. It places the MP5K in a whole new tactical light. Constructed from 4130 steel, the K-STOCK will allow you to engage targets beyond 10 meters with a higher degree of accuracy and control. Because of the unique springs loaded pivot on the K-STOCK, it locks rigidly into place but folds easily with a minimum of effort. The location of the sling swivel allows a more natural carry position and does not interfere with the operation of the stock.



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Caution! Requires prior registration as a short barrel rifle before installation on the SP89 pistol.

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