THE MAGAZINE FOR FULL-AUTO ENTHUSIASTS • Vol. 7 No. 8 • January 1994 • \$4. U.S. \$5. Can.

Machine Gun News



ISSUE

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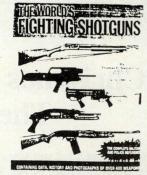
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THE MAGAZINE FOR FULL-AUTO ENTHUSIASTS

Volume 7 Number 8

January 1994

Christmas Special from MGN The H&K Issue

The Heckler and Koch machine guns, without any question, are the major shakers and movers in the full auto world. The name has become synonymous with quality and reliability in select fire weapons. MGN has been considering doing an HK issue for some time, and we have held back because there is so much territory to cover. We have the points of view of our law enforcement and military readers to consider (not necessarily the same), as well as the civilian and collector readers. The best format we could come up with is what you are about to read; some history of HK, the different models offered by the factory, the accessories (by MGN's "What's New" Editor, Chris Choat), and a review of the offerings of some of the more prominent civilian manufacturers who perform alterations on the HK product to either simulate the originals or expand on the guns. Imitation IS the sincerest form of flattery.

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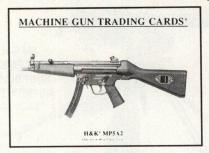
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Incoming

ASSAULT PENCIL?

The story on the front page of Florida Times-Union's Metro section, Saturday, October 16, 1993, regarding a teacher robbed at "pencil point" by three teens at the Duval County jail brings into focus a real concern that too often has been overlooked. A potential criminal's instrumentality (the graphite sharpened assault pencil) is virtually unregulated. It can be purchased in quantity at a corner drugstore or even a school bookstore by individuals under the age of eighteen. It is easily concealed. Its stiletto shape screams aggressiveness. Its size fits perfectly in the grasp of a clenched fist. Its graphite element is referred to as "lead" - a misnomer or perhaps a subtle comparison to its jacketed cousins housed in the cylinders and magazines or other criminal instruments.

I can only hope the assault pencil will soon be added to proposed legislation that seeks to control crime by controlling individual inanimate objects rather than the objectionable animal-like individuals that commit the crimes. Perhaps President Clinton can issue an executive order precluding federal employees from writing with anything other than soft felt tip pens. Maybe the citizens of Duval County can help with a pencil buy back-no questions asl And surely the sheriff can insure that pencils seized by his officers will be henceforth immediately destroyed and not otherwise utilized.

The point of all of this (no pun intended) is that the problem is the perpetrator - not the pencil - the guy or gal - not the gun. And until we address the problem, it will continue to plague us all.

Steven R.

A THANK YOU

Appreciated the article on Charlie Erb...he's all you say and more...I've visited Charlie's "shop" (I'm fortunate to live but a few miles from Charlie) and was treated like an old friend, although it was my first visit. In addition to being a firstclass craftsman, he's VERY knowledgeable regarding not only the workings of his products, but also his amazing knowledge of the history of firearms and their applications.

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Thanks for being a totally "class act"! John (Mad Jack)

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Machine Gun News - January 1994

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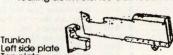
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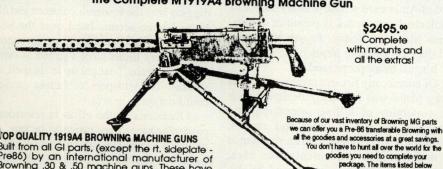
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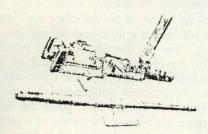
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Breech look cam
Complete tripod with T&E/pintle Case of 5,000 new links M-6 Combination wrench Bore brush Spare barrel cover Spare barrel GI bore reflector Carbon removing tool M-12 Tool roll

M-6 deaning brush MG manual SARCO parts catalog Shoulder stock attachment Carrying handle Cleaning rod M-13 overall gun cover Ammo can Front barrel bearing wrench Ruptured case extracto Combo tool #41-T-3086

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HB M2 kit without the receiver parts \$ 1350.00 If you wish the ANM2 aircraft configuration, we can supply this with a GI original barrel @ \$ 1595.00 ANM2 aircraft kit without the receiver parts\$ 1299.00 Shipping \$35.00

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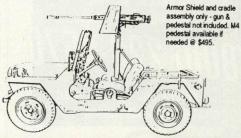
30 BMG Survival Pack Contents: (1 each of following)

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Rear sight aperture Front sight blade Belt feed pawl & spring .30 Links (200 - new in pack) Barrel extension Rear sight tension spring Left holding pawl pin & spring Trigger spring Accel. pin Buffer discs (5 ea.) Cover extractor spring Breech lock pin

Sear spring
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Armored Machine Gun Mounts



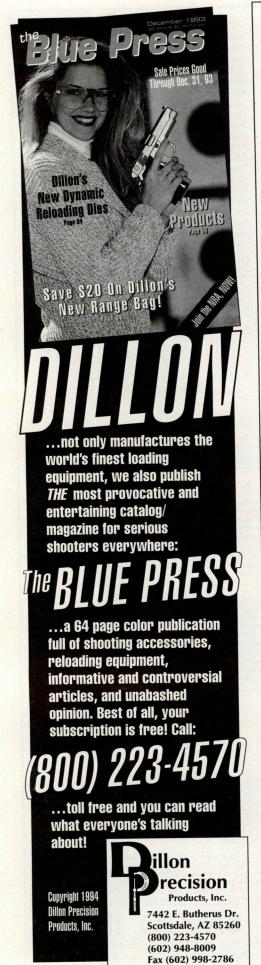
This type of shield mount saw extensive use in Vietnam, where they were mounted on APC's, gunboats, and occasionally on a jeep pedestal mount.

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Editorial:

Where's the Beef?

by KEN CARTER

A ppearing on CBS's Face The Nation recently, Attorney General Janet Reno again evoked a popular anti-gun buzz-phrase when she referred to so-called assault weapons as "guns that can only be used for one thing...to kill people."

Excuse me, Madam Attorney General, but that is a lie, and you damn well know it!

It is simply the latest phony slogan (like "cop killer bullet" and "plastic handgun") to be cooked up by Sarah Brady, Josh Sugarmann and others of their gun-hating ilk. Their purpose? To deliberately spoonfeed another false image to the vast, milling herd of Americans whose primary source of intellectual sustenance is pabulum dispensaries like USA Today, People magazine and the CBS Evening News.

It's just more propaganda.

Of course, any firearm more potent than a cap pistol was originally designed with the *capability* of killing something; the same can be said of bows and arrows, mousetraps, fly-swatters, and an abundance of multipurpose implements like axes, baseball bats, butcher knives and bricks. But any claim that this is "all they are good for" is patently, and provably, wrong.

Case in point: my personal collection of 25 years or so consists of, among other things, dozens of bonafide implements of war—pistols, revolvers, rifles, machine guns, bayonets, etc.—some of which are actually deserving of the "assault weapon" label so blatantly and erroneously bandied about these days by politicians and the media.

Somewhere in the background of each of these items was unquestionably the notion that it might someday be called upon to perform in an offensive or defensive role against members of an opposing force. Indeed, many of the samples in my collection show "battle scars," indications that they may actually have seen such service.

However, despite exhaustive research into their histories on my part, I cannot state with certainty that even one of them has ever been used to take, or threaten, the life of another human being. As far as I know, the whole lot may have survived no more colorful a background than serving as instruments of passive deterrence and/or morale boosters for those troops to whom they were issued.

And, although I admittedly keep some for the purpose of self-defense, I have fortunately never been called upon to use one to that end.

A role that they most certainly have fulfilled, however - and this is a verifiable fact-is to provide me with hours, days, weeks, months, years, and decades of pleasure. I have joyfully disassembled each new arrival, studying its action, admiring the uniqueness of its design and the intricacy of its parts, all the while searching for unusual markings that might provide some special clue to the mysteries of its past. Then I would pour over my books, digging into the research volumes and clippings I have accumulated over the years, hoping to uncover even more secrets. (How many times have I gazed at one of these "veterans," caught up in its spell, and strained for whispers of heroic stories I could not quite hear?)

Occasionally, the effort is rewarded; a particular piece may prove to be rare, of only a handful known to exist (not like,, but always excitingly possible), or (a more attainable fantasy) may be of a type that figured prominently at some important stage of civilization's development.

Not all of my guns are old ones, of course. Intriguing new models continue to show up, each one designed to fill a niche, and each possessed of its own special fascination.

Once, after listening to me carry on for awhile about the evolution and employment of a particular firearm, my wife exclaimed, "You know, I think you could tell the history of the world in guns!" And, of course, it's true, at least the part occurring since the invention of black powder. The development of man and of his weapons—from rocks, clubs and spears, to the sophisticated implements of today—have been inseparable since the very beginning; without the means of securing food and defending himself from his enemies, genus Homo sapiens would most likely have gone the way of the dinosaur.

I can just see Ms. Reno bristlir "We're not talking about collectors' iten she would say. "We're talking about AK-47's and UZI's...the weapons of choice of drug dealers!" (Emphasis added.)

I won't dwell for now upon the fact that figures assembled by law enforcement agencies, including Ms. Reno's own Justice Department, prove that the firearms she and the other anti-gun politicians call "assault pons" turn up so infrequently in the

on's crime statistics as to be inconsequential. You already know that, and so does she.

I won't even argue that any firearm, no matter how modest, is probably of collector interest to someone, and, on any given afternoon, might be found providing pleasurable recreation at a firing range. Nor do I plan to get into the numerous hunting and target applications for which many of the guns on the "anti's" ban list are well suited.

Let's deal only with General Reno's assumption in the opening paragraph of this article that there exists a classification of firearm that "can only be used for one thing...to kill people."

It is a definition that disproves itself.

The most obvious flaw is that any gun that can be used to kill can also be used to wound and incapacitate, or simply to intimidate.

We all know that the primary difference between the average semi-automatic hunting rifle and the average "assault rifle" the attorney general holds in such disdain is that the latter "looks more deadly," with its pistol grip, flashhider and bayonet lug; in other words, it is more intimidating.

There are millions of these guns in the hands of American gunowners. Police report that only a tiny fraction of them (about 1%) are subjected to criminal misuse. It should be fairly apparent to anyone with an IQ exceeding their hat-size that the vast majority of those owners have found a use for them that does not include homicide.

One suspects that the average looter, burglar or rapist, confronted by an angry homeowner armed with an AK, an AR15, a Mini-14, or an UZI, would find himself contemplating a shift to the straight life at something akin to warp-speed!

Considering that respected researchers at universities in Florida, Texas and elsewhere have discovered that private citizens use firearms approximately one million times a year to deter crime, and that, in most cases, this is accomplished by merely indicating the presence of a gun (intimidation), it seems that Ms. Reno should be *encouraging* the ownership of assault weapons, rather than attempting to ban them. They appear to be the ideal choice for (humane) home defense!

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That aside...

Rather than wasting her time and ours propagandizing for additional gun laws—20,000 of which have proven, and will continue to prove, an ineffective means of fighting crime—the attorney general might better utilize her energy and the resources at her disposal by concentrating on taking real criminals off the streets, and keeping them off. That, after all, is what we pay her to do.

Let's have less baloney, Ms. Reno...and more real meat.

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by
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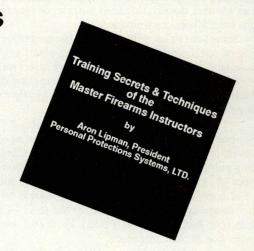
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Assault Weapon Ban Added to Crime Bill

The Senate voted 56-43 to add the Feinstein Amendment to the crime bill. The amendment bans more than 19 "assault weapons" and over-10-shot magazines, except for tubular magazine .22's. Opposition to the bill included a tabling motion that lost by a very narrow margin of 51-49. Later, when the crime bill came up for a vote only FOUR senators voted AGAINST passing the crime bill which contained the Feinstein Amendment. The Senate crime bill will go to a House-Senate Conference Committee which will probably not meet before next year.

What's in the Feinstein Amendment

Sen. Feinstein's amendment is a compromise between the three competing so-called "assault weapons" bills in the Senate: her own bill, one by Sen. Dennis DeConcini (D-Ariz.), and one by Sen. Howard Metzenbaum (D-Ohio).

This bill would specifically stop the sale, <u>importation</u> and manufacture of over-10-shot magazines and 19 firearms models, plus similar types which are semi-autos with

detachable magazines and two or more other "characteristics."

Guns and mags made or imported before the effective date <u>could continue to be</u> <u>possessed or sold</u>. Future production—could only be for law enforcement or the military and would have to be marked with the date, and, in the case of magazines, with a serial number.

The named models include the Norinco, Mitchell, and Poly Technologies Avtomat Kalashnikovs (all models); Action Arms Israeli Military Industries UZI and Galil; Beretta AR-70 (SC-70); Colt AR-15; Fabrique Nationale FN/FAL, FN/LAR, and FNC; SWD M-10, M-11, M-11/9, and M12; Steyr AUG; INTRATEC TEC-9, TEC-DC9 and TEC-22; and any shotgun which contains its ammunition in a revolving cylinder, such as (but not limited to) the Street Sweeper and Striker 12;

Also to be banned are lookalikes "of any caliber" other than guns specifically named

in a 15-page list of models currently being produced.

The generic descriptions of "similar" guns that would be banned vary as to gun type:

 Semi-auto pistols which have a detachable magazine and two or more features such as a barrel shroud, threaded muzzle, or magazine other than in the grip, or which weighs over 50 ounces unloaded;

— Semi-auto rifles with a detachable magazine and two or more features such as a folding or telescoping stock, protruding pistol grip, bayonet mount, flash suppressor,

grenade launcher attachment, or threaded barrel muzzle;

— Semi-auto shotguns with a fixed magazine over five rounds, an ability to accept a detachable magazine or drum, with a pistol grip extending below the action, or with a folding or telescoping stock.

Will it Pass?

Support for the Assault Weapon Ban is not as strong in the House as in the Senate. However, in many of his speeches, President Clinton has been pushing Congress and shaping public opinion. In an interview with radio reporters in The Roosevelt Room on October 18, 1993, he stated, "...I think the time has come to do something about this. And I'm hopeful that both Houses of Congress will act on the crime bill and on the assault weapons bill before the end of the year. We don't have — I hate to keep coming back to this, but, right now, I don't know that we have the votes to pass the assault weapons ban in the Congress...."

Other examples are his remarks on Health Care and Violence on October 8, 1993, in New Brunswick, New Jersey, "...I know, too, how hard it is to stand up and fight for things like an end to assault weapons...we need a national law to do what New Jersey has done here with assault weapons. Again because we have a constitutional right to travel in this country. New Jersey can make a big dent in New Jersey's problems by abandoning these weapons here, and then by setting up a system to try to collect them, but people are still crossing the state line all the time. We need national legislation..."

With the Brady Bill behind them, the Bradys are also pushing for the ban on assault weapons. The NRA and other pro-gun groups will be lobbying against this amendment but they need pressure on Congress from people with a desire to protect their Second Amendment rights. Voice your opinion now.

Editors Note: Because of space limitations we could not reproduce the Feinstein Amendment in full or the vote on the tabling motion, for a copy please send a large SASE and \$1. for handling costs to Machine Gun News, PO Box 759, Hot Springs, AR 71902.

Senate Roll Call Vote On Adding Amendment to Crime Bill

This is the 56-43 Senate roll call to approve a ball

on 19 types of military-style assault weapons. On this vote, a "yes" vote was a vote for the ban and a 'no" vote was a vote against it. Voting "yes" were 46 Democrats and 10 Republicans. Voting "no" were 9 Democrats and 34 Republicans. AND, REMEMBER WHEN YOU VOTE! Alabama - - - - - - Heflin (D) No; Shelby (D) No. Alaska - - - - - Murkowski (R) No; Stevens (R) No. Arizona - - - - DeConcini (D) Yes; McCain (R) No. Arkansas - - - Bumpers (D) Yes; Pryor (D) Yes. California - - - Boxer (D) Yes; Feinstein (D) Yes. Colorado - - - Brown (R) Yes; Campbell (D) Yes. Connecticut - - Dodd (D) Yes; Lieberman (D) Yes. Delaware - - - - - Biden (D) Yes; Roth (R) Yes. Florida - - - - Graham (D) Yes; Mack (R) No. Georgia - - - - Coverdell (R) No; Nunn (D) Yes. Hawaii - - - - - Akaka (D) Yes; Inouye (D) Yes. Idaho - - - - Craig (R) No; Kempthorne (R) No. Illinois - - Moseley Braun (D) Yes; Simon (D) Yes. Indiana - - - - - Coats (R) Yes; Lugar (R) Yes. Iowa - - - - - Grassley (R) No; Harkin (D) Yes. Kansas - - - - Dole (R) No; Kassebaum (R) Yes. Kentucky - - - - Ford (D) Yes; McConnell (R) No. Louisiana - - - - Breaux (D) No; Johnston (D) No. Maine - - - - Cohen (R) No; Mitchell (D) Yes. Maryland - - Mikulski (D) Yes; Sarbanes (D) Yes. Massachusetts - Kennedy (D) Yes; Kerry (D) Yes Michigan - - - - Levin (D) Yes; Riegle (D) Minnesota Durenberger (R) No; Wellstone (D) Yes. Mississippi - - - - Cochran (R) No; Lott (R) No. Missouri - - - - - Bond (R) No; Danforth (R) Yes. Montana - - - - - Baucus (D) Yes; Burns (R) No. Nebraska - - - - Exon (D) Yes; Kerrey (D) Yes. Nevada - - - - - - Bryan (D) No; Reid (D) No. New Hampshire - - - Gregg (R) No; Smith (R) No. New Jersey - Bradley (D) Yes; Lautenberg (D) Yes. New Mexico - Bingaman (D) No; Domenici (R) No. New York - - D'Amato (R) No; Moynihan (D) Yes. North Carolina - - Faircloth (R) No; Helms (R) No. North Dakota - - - - - - Conrad (D) Yes; - - - - - Dorgan (D) Not Voting. Ohio - - - - Glenn (D) Yes; Metzenbaum (D) Yes. Oklahoma - - - - Boren (D) Yes; Nickles (R) No. Oregon - - - Hatfield (R) Yes; Packwood (R) Yes. Pennsylvania - Specter (R) No; Wofford (D) Yes. Rhode Island - - - - Chafee (R) Yes; Pell (D) Yes. South Carolina Hollings (D) No; Thurmond (R) No. South Dakota - Daschle (D) Yes; Pressler (R) No. Tennessee - - - Mathews (D) Yes; Sasser (D) No. Texas - - - - Gramm (R) No; Hutchison (R) No. Utah - - - - - Bennett (R) No; Hatch (R) No. Vermont - - - - Jeffords (R) Yes; Leahy (D) Yes. Virginia - - - - - Robb (D) Yes; Warner (R) No. Washington - - - - Gorton (R) No; Murray (D) Y West Virginia - Byrd (D) Yes; Rockefeller (D) Wisconsin - - - - - Feingold (D) Yes; Kohl (D) Yes. Wyoming - - - - Simpson (R) No; Wallop (R) No.

So, You Feel Betrayed.

You are not alone. The Brady Bill is now the Brady Law. President Clinton signed it into law today. It will accomplish nothing as far as fighting crime, except, perhaps, to make more gun owners into criminals in the eyes of the new bureaucracy. Here's how the

Ill got to Clinton's desk:

After seven years of fighting, the anti-Second Amendment Rights crowd finally had the "Brady Bill" passed and ready to go to the President. The Republicans filibustered, and wouldn't let the bill out of Congress. Senate Majority Leader George Mitchell (D-ME) threatened to bring everyone back from Thanksgiving break and hold them there until they voted through something that passed for the five day wait. Nobody would want our esteemed leaders inconvenienced, so Senate Minority Leader Bob Dole (R-KS) made a deal. The handful of Republicans left would allow the Brady Bill to pass a Voice Vote, as is, without any of the Senate amendments the Republicans had worked on. President Clinton would sign it into law. In exchange, Senator Mitchell agreed to have a vote on the Republican Amendments in January 1994. President Clinton pledged to sign whatever the Congress passed, and amend it to the Brady Law. After the deal was all signed, Senator Mitchell stated that "We didn't promise to pass any of those amendments, we just promised a vote." I smell another skunk in the woodpile. Brady, Clinton, et al, have now announced that the Brady Bill is a good "first step" (maybe a "goose step"), but it won't really impact crime, we need more stringent firearms laws. They are now lobbying fervently for "assault weapon" bans, etc. None of these laws they pass will affect crime.

Do Something About It.

Here are some of the amendments that are to be considered in January. If you think that they make sense, and may actually accomplish something, call your Congressmen and let them know. Hell, show up for Christmas dinner and pull up a chair. They can't seem to read the signs by themselves, so, let 'em know where the bear crossed the creek and crapped in the buckwheat. November 1994 is just around the corner.

- 1 Increased penalties for theft of 4 Allow face to face exchange of 6 Set a standard of accuracy for cluding the death penalty if the dealer is killed.
- 2 Publish a list of revoked FFL
- Publish a list of laws to insure FFL aler compliance.
- firearms from a firearms dealer, in- firearms between FFL holders, at records checking, so the waiting other than licensed premises.
 - 5 Require states to develop a plan to incorporate the records of persons adjudicated incompetents—persons committed to mental hospitals are on the "no guns" list.

period is removed when the "instant check" system reaches the standard. 7 - Establish the "instant-check" system within 24 months, using the 18 million criminal records currently available

Fee Increase for Dealers

Hidden in the wording of the justpassed Brady Bill is a little-noticed provision that would increase the fee charged a first-time applicant for a Federal Firearms License by more than six times, and would triple the renewal fee for an existing FFL holder.

According to a spokesman in Texas Senator Phil Gramm's office, the word-

ing is as follows:

Section 923 (a) (3) of Title 18, United States Code is amended and shall read:

(a) In destructive devices or ammunition for destructive devices, a fee of \$1000 per year; or

(b) who is not a dealer in destructive devices, a fee of \$200 for three years, except that the fee for renewal of a valid license shall be \$90 for three years.

The Brady Bill, which requires a five-day wait before a customer can take delivery of a newly-purchased handgun, becomes effective 90 days after it is signed into law. [President Clintonsigned the Brady Bill Nov. 30, 1993.] Although full details are still sketchy as we go to press, it is believed that the new fees will go into effect at the same time. It is not immediately clear whether dealers with currently valid licenses will be assessed the new fee retroactively, or at such time as their present licenses expire.

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by KEN CARTER

The most serious anti-gun drama ever staged in this country is presently being played out in the nation's capitol. But, as a

sportswriter friend, Dan Cook, once put it, "The opera isn't over until the fat lady sings." There's still time to grab a front row

Sadly, it is too late to stop the Brady bill. After several days of "now it's dead, now it's not" maneuvering, Senators who had successfully stalled its passage caved in. As this is written, the measure is on its way to the President for his signature. Look for Sarah Brady and her cohorts to use this piece of useless—but potentially dangerous—legislation as a Christmas tree upon

which to attach their gun-banning baubles.

Better news: it appears that the highly publicized assault weapon ban the Senate included in its crime package may still be

"stoppable."

As you are probably aware by now, the Senate-passed bill would ban the manufacture and sale of 19 "military look-alike" firearms, including such supposedly highcrime items as the FN/FAL, the Steyr AUG and the Colt AR-15 Sporter. (For the complete list, as well as how your senators voted, see Assault Weapon Ban Added to Crime Bill on page 12 of this issue.) Other models could, and undoubtedly would, be added later. Despite what you may have heard or read elsewhere, the way this measure is written, guns that were manufactured before the law took effect would be grandfathered, and could still be bought, sold and possessed.

Also based upon media accounts, you may have been left with the impression that the only thing needed for the ban to become the law of the land is Billary's signature.

Fortunately, this is not the case.

A version of the crime bill passed earlier by the House varies substantially from the one just approved by the Senate, with one of the most notable differences being the absence of any type of provision regulating semi-automatic firearms. The House bill is also far less expensive than the \$22.3 billion Senate measure, meaning that it will be sometime next year before committee members will be able to work out a compromise. And, insiders say, there's a chance the House will not go along with the assault weapon ban.

Scattered Shots

But, for the love of freedom, don't take this as a given! Do you remember all the last minute deal-making, brow-beating and downright bribery Clinton used to pull the NAFTA vote out of the "loss" column? If Bill and Hillary decide they want this one badly enough, they'll try every trick in the book to make it happen! Contact your representative immediately.

I know you get tired of being hammered on this—I do too— but, dammit, if each of us doesn't make the practice of hounding our congressmen with phone calls, post cards and letters on a regular basis an intrinsic part of our lifestyle—plus getting out the vote for the good guys, kicking the bums out of office, and sending all we can to those who are fighting our battles for us—we are all going to lose our butts, gunwise.

I just finished speaking with Neal Knox, who probably knows as much about what's going on inside the Beltway as anyone, and he tells me there is some really scary stuff being talked around.

Try this:

- An outright ban on ownership of machine guns, with existing transfer forms being rescinded. (You have to figure that this would include suppressors, as well);
- Banning handguns. Present owners would be required to "voluntarily" surrender them (no compensation);
- Banning rifles and shotguns unless the owner can show "good reason" to obtain a permit, and requiring that they be stored at a hunting or shooting club, as in Europe;
- A prohibition on magazines holding more than 10 rounds. (This bill has already been introduced in the Senate by Diane Feinstein);
- More bills than can be mentioned here to ban, tax, and otherwise restrict the ownership of, and access to, ammunition;
- And repeal of the Second Amendment.

Neal expressed concern that a lot of machine gunners may be nursing the same complacent attitude toward this present round of battles that they had prior to passage of the 1986 manufacturing ban; namely, "What else can they do to us?"

Well, you just heard!

There's no logic to it, of course. We all

know that machine guns are not a crime problem. They know it, too.

It's like I'm always saying; this is not a crime issue...it's about control.

On a happier note, congratulations are due the voters in New Jersey and Virginia, who gave the rest of us a lesson in how it's done!

Garden State voters dumped gun-grabbing, NRA-baiting James Florio—maybe the closest thing to a fascist dictator this country has ever spawned—after only a single term in office. This, despite strong support from the Clintons and Attorney General Janet Reno, all of whom traveled to Trenton in an attempt to bolster his campaign. Reno had praised his confiscatory "assault rifle" ban, calling it a model for federal legislation.

In the previous election, New Jersey gunowners, joining forces with other irate taxpayers, had turned their state house upside down, electing a slate of Republica who voted to overturn the ban. Florio vetoed the measure, and, resorting to his usual political blackmail and arm-twisting, managed to stave off an override. Now that he's been bounced, state legislators and New Jersey's new Republican governor, Christine Todd Whitman, should have plenty to think about when the issue comes up

In Virginia, it was more of the same. Democrat Mary Sue Terry, running to replace retiring anti-gun Governor Douglas Wilder, wisely requested that the Clintons not campaign for her, but wasn't smart enough to avoid taking on the NRA and the state's gunowners. She watched a 30 point lead melt away, and lost big-time to conservative Republican George Allen.

again.

Other places where voters were able to distinguish between crime control and gun control were New York City, where Mayor David Dinkins was ousted; Texas, which okayed more than \$1 billion to build more prisons; and Washington State, where voters enacted a no-nonsense three-time-loser law.

Note: Too late for detailed coverage in this issue, MGN has received conclusive evidence that what appears to be flames spewing from a tank in the video, Waco,

The Big Lie, is NOT FIRE, but debris clinging to the front of the vehicle. Photographic proof next month.

Spud Gunners, Beware!

A Texas man—arrested with a couple of e-made devices designed to fire positoes and two 5-pound bags of "ammunition"-has been charged with a second-degree felony under a recent state law that prohibits possession of "zip guns."

Fort Worth police say the potato guns, made of PVC pipe and using hairspray for propellent, meet the legal definition, to wit: "A device or combination of devices that was not originally a firearm that is adapted to expel a projectile through a smooth bore or rifled bore by using the energy generated by an explosion or burning substance."

If convicted, the would-be spud-gunner could get as much as 20 years in the state penitentiary.

Another story quotes California police as saying the guns are capable of launching potatoes at 1,000 fps, adding that, "If it hit someone on the head, it would break their skull." Carrying one, they say, is a felony under local law.

I've seen plans for these things advertised here and there, and they sound like fun toys...the kind of gadgets Machine Gun News readers get off on. But before you decide to whip one up, be forewarned: you'd better check your local ordinances.

Un-Funny Papers

It comes as no surprise that the liberal media tends to "spin" the news occasionally, but censoring the comic pages?!

Following a recent "reader survey," my left-leaning, lone and only local newspaper, the Express-News, announced it was dropping three strips from its lineup "for lack of interest." Deep-sixed were "Ziggy", which tends toward conservatism (Ziggy likes Rush Limbaugh), "Outland" (Opus and crew frequently poke fun at "PC"), and "Brenda Starr," which not too long ago had one of its female reporters dating a handgun instructor.

"Doonesbury," they kept.

Did You Know? The term "political correctness" was coined by Chairman Mao.

Just in: Winchester has announced it is pulling its popular Black Talon ammunition off the shelves, and henceforth, it will only be available to law enforcement.

A disgruntled wag quipped, "Maybe we should ask them to recall the rest of their ammo, as well!"

[PS: Anyone know where I can find one of the new "Beavis and Clinton" tee-shirts?]



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Raffica



by DAN SHEA

"Government, even in its best state, is but a necessary evil; in it' worst state, an intolerable one"

- Thomas Paine "Common Sense"

So, the Brady Bill is passed. It will have no effect on crime, except to create more victims. We have an "assault" weapon's ban coming up in January, as well as the further amendments to the Brady Bill. All useless against crime. Call your Congresspeople and let them know where you stand. Let the turncoats know you have a long memory, and vote these bastards out in '94. Enough said, we have other things to deal with this month.....

The response to the "Mystery Tripod" photo was overwhelming. I hope to continue to throw weird stuff out there for you Rafficarians to identify, but I warn you, the next one won't be so easy. Watch next month!

I needed a green cocking handle to complete a G-3 with green furniture that I was working on. All of the green stock sets that I saw were missing it. I finally found one at Shooter's Equipment in South Carolina (803-647-9816). They said they had a few more—tell them you saw it mentioned in Raffica. Ask Tom for the special price for MGN readers. He's never told me that he would give one, but you might trip him up and get a good price! (Tell him I said he was drunk and filled with love for his fellow man when he promised an MGN special.) They have all kinds of unusual machine gun parts (legal ones)—tell them what you need.

Last month I waxed poetic on my picks for the best machine guns in a number of categories and applications. Once again, I did it to open the dialogue with all of you out there in Raffica. There is so much controversy over which is best that I just HAD to stir the pot. I've had some preliminary calls from people who disagree with my picks, but you have to write them in for me to use them. C'mon, people, let's hear some passionate advocacy of your favorite machine guns. Remember that the characteristics to choose the best are; cost, availability, reliability, parts, accuracy, repairability, controllability, ease of training, and accessories available. Keep those

responses to the "Best Machine Gun" comments I made in last months Raffica pouring in, guys (and gals).....

Q Boy, John Norrel really made you out to be a major butthead in his article on M16 shorties. I thought you were the Tech Editor of MGN, THE Class 2 Guru, Mr. Machine Gun, God's gift to full auto. Does this make you an RKB? (Reasonably Knowledgeable Bonehead)

> Sincerely, A Friend

A Shut up. John used his many years of experience with thousands of M16's, clones, drop-in sears and connectors, to try to put together a comprehensive guide to help YOU, the loyal readers of MGN, with your nightmare shorty M16's. He did an excellent job, and I reviewed it and approved it for publishing. You will not find a better guide to troubleshooting a "Shorty" M16, even in the military armorer's manuals. John gets a big round of applause on this one. I can only assume that your insulting comments towards me are indicating that John "pooh-poohs" a number of troubleshooting techniques and cures that have been mentioned in the Raffica series "The attack of the M16 Shorty that JUST WON'T WORK," that has been running for four + years. Please note that his first requirement is to find and install an original Colt Shorty barrel. OK, everyone run down to the local gun show and buy one, or call Colt and order an 11 1/2" M16 barrel. Stops sounding so easy when you think of it that way, I suggest that everyone who has "Shorty" problems follow his guide to the best of their ability, or have their gunsmith do it. Possibly speak with John about it-he may work on your gun for you, he IS in this business. I also recommend against throwing out your old issues, because there are many valid "tricks" in them.

Let's straighten a few things out here. I AM the Technical Editor of *Machine Gun* News. I don't consider myself an expert, just a Reasonably Knowledgeable Individual (RKI). The Class 2 Guru lives in Rhode Island. Peter G's alias is Mr. Machine Gun. God's gift to full auto "ain't me," and he DAMN sure isn't you. If you keep ragging me I'll tell everyone about the time you tried to shoot .308 out of a 30.06, then about the reversed gas piston in your "single shot" M60, AND the time you let the bolt close on a live round in my Uzi because you THOUGHT it was closed bolt. Admittedly, that was a long time ago, but I have a LONG memory when it comes to "finger pointing." Still want your name on the above letter? Have a nice day.

Q I enjoyed the article about the Stemple 76/45 in 9mm, in the November 1993 issue. As the somewhat proud owner of one of these guns I have experienced a problem not mentioned by the author, which is also potentially dangerous in an open bolt gun that seems to be intended as a "first" machine gun.

The sear is held in place by a spring in the trigger housing. This spring is held in place on the sear side by a hole in the s but on the trigger housing side nothing holds the sear in place. On both my gun and a second one the dealer I got mine from had, the spring would walk out of position after firing several magazines, and the sear would fall out of place. This of course meant the gun would "run away" and fire till the magazine was emptied (or it jammed). I was quite surprised the first time this happened. Fixing the gun involves taking the grip off (held in place on my gun by a truly ugly chrome plated bolt) taking the trigger housing off, and putting the spring back in place.

I fixed my gun permanently by drilling a hole through the trigger housing, at the point where the spring sits, and putting a small bolt through, with a nut on the inside to hold the spring in place. I have had no further problems with runaways with my gun.

The mag well and mag problems, however, are not yet solved. I am considering having a STEN gun mag well attached.

> Sincerely, James B.

A James Burgess, a Class 2 in S. Wesville, Ohio (614-891-5784), has taken on the Stemple 76/45 registered tube project. As you can see from Chad Haire's article in

the Nov '93 issue, he has attempted to bring a reasonably priced 9mm submachine gun to the market by using as many existing parts as possible. Step magazines were a

parts as possible. Sten magazines were a wire choice for a feeding device, because of and availability. If they don't work in the gun, buy some more until you assemble a group that works. I am sure that he will take note of your correction of the runaway problem. I think the mag well problem can be tightened up by simply reducing the tolerances inside the well. Get rid of the slop. I have a greater concern with the use of the 9mm Colt SMG bolt. Burgess told me not to let the 76/45 dry fire—don't let the bolt slam forward on an empty chamber. This is because the design is not strong enough to withstand slamming shut without the brass cartridge as a buffer. I think it is asking too much from an end user to not let the bolt close hard. The Colt bolt is meant to cycle in the M16 system, and is not fragile in that environment. Perhaps Jim should machine an entire bolt including bolt face, similar to the M-3A1 Greasegun

Q The M11/9 is a fun and relatively inexpensive gun to shoot. The weak point of this gun being the Zytel magazine where older ones often split at the seams. The magazine lips are shaved off by bolt movement, even-

'ly causing jams, and the old steel wac-10 9mm magazines will not fit. Is there a company out there which does make a steel magazine for this gun and what is their address? I have heard that a Walther MPL magazine will work with slight modifications. Have you heard this also or is this untrue?

Brian P.

A n MPL magazine can be modified to work in an M11 9mm, but it seems to be an awfully expensive solution since MPL magazines range from \$40-60 each. I was at Knob Creek in October and saw some metal M11 9mm magazines for sale. Of the five we purchased, they all needed a little smoothing on the feed lips, then worked fine. Construction is blued steel with aluminum followers. They are guaranteed to work and will be replaced free of charge if they don't work for you. Talk to Cheryl, and tell her you saw it here in Raffica.

Component Metal Products, Inc.
1919 Cheshire Bridge Rd NE
Atlanta, GA 30324
Phone 1-800-550-4CMP
Fax 404-892-3289
Questions to:
Dan Shea
c/o MGN, PO Box 759
Hot Springs, AR 71902

Manufacturer & Dealer of Destructive Devices & Machine Guns Kent A. Lomont

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TRANSFERABLES			
Wilson MP40 Nice\$	1500	MG13 (lots, acc.)\$	4000
M37 Browning\$	3250	Breda 37 (lots acc)	5500
Numrich 1928 Thompsons	2100	FND's\$	2200
G3K reg. rec	2750	Yugo 49/57	1300
M10 45 P.S. NIB\$	800	G3/SG1 in box\$	4500
HK93 registered receiver\$	2650	HK33\$	2400
HK MP5\$	3500	FAL G1\$	1650
Lanchester 98%\$	1900	BAR's Several\$	2000
MG34\$	5250	Mini UZI\$	1800
AK47 Chinese nice\$	3850	Orig Belgian FAL (AWCO import) early-new-call\$	2600
SAR 48 NIB\$	2500	1950 .30-06 Madsen on DISA (WACC) \$	1750
Vickers Wilson\$	3000	DESTRUCTIVE DEVICES	
08-15 Maxims	1850	20mm Lahti in coffin\$	3500
1914 Hotchkiss	2650	20mm Solothurn S18-1000\$	7500
AUGS\$	3200	M79 Amtech\$	2500
HK91 reg. rec	2200	U.S. WWII 37mm completely restored	14 500
Ithaca-Auto Burglar\$	1200	w/reloadable ammo\$	2750
D.S. HK many acc	2750	M203 Colt	2500
HK53 S&H\$ HK33K\$	2750	81 mm chem in box	1200
1917A1 DLO on 1917A1 MT\$	4000	Hotchkiss, new tires, scope, 50 cal sub	1200
AKS Claco under Black\$	2500	unit 16 rounds + 20 brass\$	5750
45 UZI reg. bolt\$	500	NON GUN (106 Recoilless w/spotter on mount nice) \$	4000
9mm UZI bolt\$	750	CURIOS & RELICS	
MAC 10 .45 P.S. new	750	MG42\$	5500
P.S. RPB M11 380 NIB	750	07-12 Scwartzlose matching\$	6750
9 UZI bolt gun	1450	Colt MG38B in .303 (Orig spade grips,	
AC556F (blue)\$	1350	Commercial Watercooled)\$	9500
M16A1 rifles like new\$	2100	Arg Maxim 1897 (Maxim Nordenfelt)\$	7500
Swedish BAR M37 quick change BBL in 8x57mm\$	4750	Colt MG52A ("Baby 50")\$	5500
North Korean AK amnesty\$	4750	Colt 1919 Commercial (Fox Studio) BMG	
Jap 99 8mm BBL + orig BBL nice	2500	Watercooled\$	8500
Street Sweeper (AOW) NIB Special	300	1928 Thompson\$	3100
Valmet Bullpup\$	2950	Steyr Solothrun 9mm\$	2300
Group BAR\$	2900	MP 18\$	2300
M1 Numrich Thompson\$	1600	ZB26\$ MP44 or MP43\$	3500 3100
M14 Winchester\$ AUG hammer pak\$	3900 900	MP40\$	2300
M14 by Smith Enterprises\$	2000	M1A1 Thompson\$	2500
AOW - Any other weapon	2000	Saginaw 1919A4\$	4800
ACCESSORIES		BAR Nesa, Royal, or IBM w/acc	4750
FND BBLS 308\$	150	1918DWM Maxim on Swiss	2750
FND BBLS 8mm\$	150	Jap 92 Lewis anti air-with AA sights 97	
Orig 40 round ZB Mags or 8mm Bren	150	round drum amn. reg	2500
South African Vickers .308 conv. w/1000 links\$	1000	MP28 II\$	2400
FIREARMS		Reising M55\$	1200
Boys Conv. to 50 BMG - nice\$	2400	Reising M50\$	750
Furr 22 Gatling Broadwell drum etc \$	7500	BSA 303 Lewis\$	2750
Thunder Valley 5/8 scale 9mm Gatling beautiful\$	5500	FN30 BAR\$	3750
Pauza P90 with Mil dot B and L 10x\$	5450	Jap Type 100 SMG\$	2300
DEALER SAMPLE	0000	Jap 92 Heavy all Access\$	5500
1928 Savage Thompson\$ Galil Arm 223\$	2000	Jap 96 - scope, hider, # match	2350
M37 Browning\$	4750 2500	Sten MKII	1950
MP38 90%\$	2750	Korean Comm 1928 Thompson NIB \$	2900
MP2811 95% \$	2500	UD42\$	2900
Bren MKI\$	4750	M3 Greasegun C&R\$	2100
Dutch AR10 w/acc	1800	MG34 Tanker C&R matching # w/rare AA sight	2100
FN mag original (Post)\$	8500	adapter, bipod adapter, bipod buttstock and	
MPL\$	1450	ground conv	6250
UZI gray or black\$	1350	1919A4 by Saginaw C&R Original\$	4950
MK5 Sterling w/AWC sup\$	2650	M2 Carbine\$	850
Swedish K\$	1750	MP18 German Transferable\$	2400
BM59 (1972)\$	1950	MK5 STEN Original\$	1500

Hotchkiss revolving cannon lots of brass - 5 bbls copy of Pratt and Whitney in 50 BMG.



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	Gun	9,500
	With Metal Carriage	
	Wood Carriage	
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The H&K Guide

HK USA, Inc.

Heckler & Koch, Inc. 21480 Pacific Boulevard Sterling, VA 20166-8903 USA Phone 703-450-1900 Fax 703-450-8160 (Contact: Brian Sullivan)

The HK series of machine guns owe their lineage to the "StG-45," or "MP-45," as developed by Mauser at the end of WWII. The intriguing delayed roller blow-back system in the StG-45 became the basis for the Spanish CETME rifle, which quickly evolved into the G-3 of HK fame. HK was formed in Germany in 1949, began production of the G-3 in the mid-1950's.

It is not my intention in this article to do an in-depth analysis of each HK variant. I rather hope that this article serves as an introduction to what is available, and who the reader can speak with to obtain it. — Dan Shea, MGN Tech Editor

This is during a period when the western world was searching for a replacement for the M-1 Garand. The US had the M-14, Fabrique National the FN-FAL, and the Germans- the G-3.

HK developed the .223 caliber variations in the mid-1960's, as the arms community was struggling with the smaller caliber. The HK-54, a 9mm variant that we know as the MP-5, came about in the late 1960's—marketed in the early 1970's. The MP5-K variation is a late 1970's entry, and

the first offering was about an inch longer, thus some of the early American copies are one inch longer than a standard MP5-K.

There have been 14 countries licensed to manufacture variations of the HK machine guns. Clones from Portugal, Greece, Pakistan, Turkey, and several other countries have, at times, been imported in small quantities into the United States. HK production from West Germany has accounted for the lion's share of the U.S. market.



	MP5 A3	MK5K-PDW	MP5/40	MP5/10
Caliber	9mm x 19	9mm x 19	.40 S&W	10mm Auto
Magazine Capacity	15 or 30 round magazine	15 or 30 round magazine	30 round magazine	30 round magazine
Modes of Fire	Semi-auto & fully automatic, 2 and 3-rd burst optional	Semi-auto & fully automat- ic, 2 and 3-rd burst optional	Semi-auto & fully automat- ic, 2 and 3-rd burst optional	Semi-auto & fully automat- ic, 2 and 3-rd burst optional
Rate of Fire	800 rpm	900 rpm	800 rpm	800 rpm
Rifling	6 grooves, right-hand twist	6 grooves, right-hand twist	6 grooves, right-hand twist	6 grooves, right-hand twist
Sights, Mechanical	Diopter-rotary rear sight adjust. for windage & elevation	Rotary U-shaped aperture rear sight adj. windage & elevation	Diopter-rotary rear sight adj. windage & elevation	Diopter-rotary rear sight adj. windage & elevation
Weights				- 100
Fixed buttstock	5.59 lbs.		5.88 lbs.	5.88 lbs.
Retractable buttstock	6.34 lbs.	6.14 lbs.	6.28 lbs.	6.28 lbs.
Magazine weight empty	6.00 oz (30 round)	6.00 oz (30 round)	4.00 oz (30 round)	4.00 oz (30 round)
Lengths				
Fixed buttstock	26.77 in.		26.77 in.	26.77 in.
Retracted buttstock	19.29 in.	14.50 in.	19.29 in.	19.29 in.
Extended buttstock	25.78 in.	23.75 in.	25.98 in.	25.98 in.
Sight Radius	13.38 in.	10.25 in.	13.38 in.	13.38 in.
Barrel, w/o flash hider	8.85 in.	5.50 in.	8.85 in.	8.85 in.
Width/Height	1.96/8.26 in.	2.80/8.26 in.	1.96/8.26 in.	1.96/8.26 in.

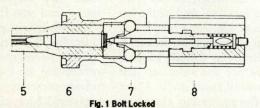
HK21E/2	23E Machinegun
Caliber	7.62mm/5.56mm
Feed Device	Belt or box magazine
Type of Fire	Single, sustained, 3-rd burst
Rate of Fire	900 rpm
Rifling	4 groove conventional
Twist	12 in. RH
Sights, Mechanical	Diopter 100-1200 meters adj windage & elevation
Sight radius	26.97 in.
Barrel Length	20.05 in.
Overall Length	44.88 in.
Weight	20.50 lbs
Width/Height	5.24/8.26 in.

Operation Bolt Assembly

The rifle is loaded and cocked and the safety is disengaged. Pulling the trigger releases the cocked hammer. It strikes the firing pin (4), which ignites the cartridge (1). The powder gases force the bullet out of the barrel (5), while simultaneously pressing against the cartridge case. The base of the cartridge case transmits a portion of the gas pressure to the bolt head (2), and from there via the locking rollers (7) and the locking piece (3) to the bolt head carrier, thus causing the bolt to unlock and recoil. 3 4

1. Cartridge 2. Bolt head

3. Locking pi 4. Firing pin



On the basis of the geometric relationship arising from the angles of the roller contact surfaces of the locking piece and the barrel extension, the recoil of the bolt head is delayed in the ratio of 1:3. Thus, during the same period of time, the bolt head carrier travels three times as far as the bolt head; this ratio continues until the locking rollers have left the barrel extension (2). Through the incorporation of this element - the locking rollers - the weight of the bolt is reduced to approximately 1/9 of the weight of a pure inertia bolt.

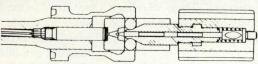


Fig. 2 Bolt Unlocked

As the bolt head carrier travels backward, the bolt head locking lever (3/1) is simultaneously pressed over the bolt head shoulder against the pressure of its spring.

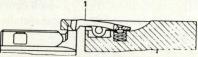


Fig. 3 Disengagement of the bolt head locking lever

After the round has been chambered, the bolt head stops at the mouth of the barrel. The bolt head carrier continues forward until the locking piece presses the locking rollers into engagement in the barrel extension. The both head locking lever now engages the both head shoulder thus preventing it from rebounding.

As the both recoils, the hammer is cocked, and the recoil spring compressed, at the same time, the cartridge case held by the extractor strikes the ejector and is ejected. At the rear, the bolt strikes the buffer and is snapped forward again.

Trigger Mechanism Initial Position at "S" = Safe

1. Bolt head carrier 2. Firing pin 4. Anvil for hamm

5. Trigger spring

6. Barrel extension

7. Locking roller

8. Bolt head carrier

6. Hammer 7. Safety pin 8. Forked bolt with

10. Elbow spring with roller

compression spring 12. Trigger 9. Catch with roller

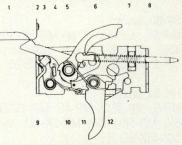


Fig. 4 Safety at "S" = Safe The rifle is loaded and the hammer (6) cocked.

The safety (7) is at 'S' = Safe.

As the bolt travels forward, the bolt head carrier (1) presses against the release lever (3). This causes the catch (9) to swivel forward and disengage the hammer's "burst" notch.

HK firearms were first imported into the U.S. by Golden State Arms, then Saco and Interarms. The first semi-autos were marked G-3, then HK-41. HK USA started in the late 1970's, as an importer of Semiautos and machine guns. They have expanded steadily ever since, and now offer



	G3	HK33K	HK53
Caliber	7.62mm x 51 NATO	5.56mm x 45(.223)	5.56mm x 45(.223)
Feed Device	5 or 20rd mag.	25rd mag.	25rd mag.
Types of Fire	Single & sustained, 3-rd burst optional	Single & sustained, 3-rd burst optional	Single & sustained 3-rd burst optional
Rate of Fire	600 rpm	700 rpm	700 rpm
Rifling	•		
Twist			- E 1161 1
Sights, Mechanical	Diopter rear sight, adj. windage & elevation	Diopter rear sight, adj. windage & elevation	Diopter rear sight, adj. windage & elevation
Weights	all one see	all initiates.	
Fixed stock w/o magazine	9.70 lbs.	8.05 lbs.	7.49 lbs.
Retractable stock, w/o	10.40 lbs.	8.82 lbs.	6.72 lbs.
Magazine weight empty	9.88 oz	8.82 oz	8.82 oz.
Lengths			
Fixed buttstock	40.38 in.	39.25 in.	30.40 in.
Retracted buttstock	33.10 in.	31.75 in.	22.15 in.
Extended buttstock	40.15 in.	39.25 in.	29.72 in.
Sight radius	22.52 in.	22.29 in.	15.35 in.
Barrel, w/o flash hider	17.71 in.	17.72 in.	8.30 in.
Width/Height	2.88/8.25 in.	2.84/8.43 in.	2.04/8.26 in.

	MP5A2	MP5K	MP5SD3
Caliber	9mm x 19	9mm x 19	9mm x 19
Feed Device	15 or 30 round magazine	15 or 30 round magazine	15 or 30 round magazine
Types of Fire	Single & sustained, 2 and 3-rd burst optional	Single & sustained, 2 or 3- rd burst optional	Single & sustained, 2 and 3-rd burst optional
Rates of Fire	800 rpm	900 rpm	800 rpm
Rifling	6 grooves with right-hand twist	6 grooves with right-hand twist	6 grooves with right-hand twist
Sights, mechanical	Diopter-rotary rear sight, adj. for windage & elevation	Rotary open aperture rear sight, adj. for windage & elevation	Diopter-rotary aperture rear sight, adj. for windage & elevation
Weights			
Fixed buttstock w/o magazine	5.59 lbs.		6.83 lbs.
Retractable buttstock w/o mag.	8.34 lbs.		7.50 lbs.
With receiver cap	5.01 lbs.	4.40 lbs.	6.17 lbs.
15 round mag. empty	4.23 oz.	4.23 oz.	4.23 oz.
30 round mag. empty	6 oz.	6 oz.	6 oz.
Lengths			
w/fixed buttstock	26.77 in.		30.42 in.
w/buttstock retracted	19.29 in.		23.97 in.
w/buttstock extended	25.98 in.	· SME TO MESSE	30.42 in.
w/receiver cap	17.75 in.	12.80 in.	21.67 in.
Sight radius	13.38 in.	10.25 in.	13.38 in.
Barrel	8.85 in.	4.50 in.	5.73 in.
Width/height	1.95/8.26 in.	1.95/8.26 in.	2.36/8.26 in.

The following guide should help you understand which of the semi-auto HK rifles can be used for which full auto conversions with registered sears.

SP-89, 9mm;

MP-5K, MP-5K-PDW, MP-5K-SD, MP-45K, MP-45K-SD with extension work: MP-5, MP-5SD, MP-45, MP-45SD

HK-94, 9mm;

MP-5, MP-5SD, MP-45, MP-45SD, MP-5K, MP-5K-PDW, MP-5K-SD, MP-45K, MP-45K-SD

HK-93, .223;

HK-33, HK-33K, HK-53, HK-53-SD, HK-53-K, HK-53-SD.

HK-91, 911, SAR-3, SAR-8, .308; G-3, G-3-K, HK-51, HK-51-B, HK-51-K, HK-21/23, HK-51-SD, HK-21-K, (7.62x39); HK-32, HK-52

a full line of fine sporting shotguns, police shotguns (M-1 & M-3 Super 90's, etc) and handguns, as well as the original machine guns (now to law enforcement only). The semi-auto offerings of HK which they call the HK-91 (.308), HK-93 (.223), HK-94 (9mm), and SP-89 (9mm), have been banned from importation to the United States, but are still available to many of our other readers around the world. There was virtually no criminal mis-use of these fine firearms, they got caught during a time in the United States when being a "Black Rifle" was politically unpopular.

The HK-94 was introduced into the US market in the 1982-3 season. Serial numbers started at 1 and went into the 14,000 range, then started again with a "40-" prefix. Speculation is that 25,000 HK-94's were imported with less HK-93's (originally the HK-43), and far more HK-91's. HK has not released the actual numbers. We can estimate that there were more than 10,000 SP-89's imported. The HK-91's are the most prolific, having proved themselves as an extremely reliable .308 semi. The above figures would mean approximately 85-100,000+ of these rifles are in private hands. Juxtaposed against a total of 7200+/registered machine gun sears, it looks like the sears aren't adequate to the raw supply of semi-auto's to legally convert. (Sigh. I just can't seem to get enough HK's).

Most of the HK machine guns share a similar firing sequence mechanically, detailed in the charts on page 19 showing the unique delayed roller blowback sequence. (This section is a reprint from an early HK manual)

The receivers are manufactured of stamped sheet metal (steel). This simplifies

the manufacturing and reduces costs. Because of the roller delayed blowback causing the bolt to pause long enough for the bullet to leave the barrel, the pressures are such that sheet metal safely does the job of containing the action. Note how much stronger the metal of the chamber area is. A fired cartridge identifying feature, frustrating for reloaders, are the striations that appear on the cases of spent shells. These are caused by fluting in the chambers designed to allow the expanding propellant gases of a fired cartridge to assist unlocking and a "positive ejection". Those who have fired an HK G-3 will be aware of this, as the cartridge case sails to the right front as they are firing.

The HK finish that is used today is what is called a "powder coat". Dry powdered paint is applied to the surface of the firearm, which is electrically charged the opposite of the applicator. After coating, the firearm is baked at 350-400 degrees F until the finish melts into the smooth, tough finish that HK owners truly appreciate.

What's Available

What is available to the public for private ownership is different from what the military and law enforcement may purchase. This is due to several different laws that our congress passed in the last 25 years. Generally speaking, any original HK machine gun would have been brought into the United States after 1968, and would be considered a Pre-86 dealer sample if it was before May 19, 1986. This would mean that it may only be owned by a Class 3 dealer, and he may keep it if he gives up his license. If it came into the US after May 19, 1986, then it is a Post-86 Dealer Sample, and may be transferred between Class 3 dealers when the transferee has a letter from law enforcement requesting a demonstration. The Post 86 guns may never be owned by a non-licensee. A few G-3's came in prior to 1968, and these guns are fully transferable, meaning that anyone qualifying under the NFA of 1934 and paying the Transfer Tax may own them. There are also Pre-86 Dealer Sample guns that the BATF forgot to stamp as Dealer Samples—if they find the mistake, they will not honor it. Law enforcement and the military may own any of the HK machine guns, restricted or not.

Then there are the conversions of semiauto HK firearms. There are two basic conversions, the "registered receiver," and the "registered sear." With the registered receiver machine gun, the receiver (which houses the bolt carrier, retracting handle, and barrel mount) is registered with NFA Branch as the machine gun. The conversion may utilize the "swing-down" type lower

with a front push-pin. Original machine gun lower trigger housings may be used on these guns. The Registered Sear guns utilize a "sear" (actually a "catch") that drops into a semi-auto HK and, with some other slight modifications, converts the semi select fire. BATF rulings required that the "sears" be registered, and in the frenzy proceeding the ban on manufacturing for private ownership, about 7,000 sears were registered. Most of these have been sold out into private hands and used to convert HK's already. The manufacturers whose products are listed in the following article use these sears to create their HK machine guns. Many will also rebuild a registered receiver machine gun into a different configuration. If you wish more information on the HK sears, check out MGN December 1992, which contained a detailed examination of sear installation.

CIENER

Jonathan Arthur Ciener 8700 Commerce St Cape Canaveral, FL 32920 Phone- 407-868-2200 (Contact: Jon Ciener)

Jon Ciener, the suppressor manufacturer. Why would I mention him in this article? Jon registered about 250 of his own unique HK sears in 1986. His sear combines the trip lever with the sear catch in one piece, removing one interactive me face, and it works quite well. Jon made most of his sears into MP-5 SD's, with his extremely quiet built on suppressor. I've always felt that Jon was more interested in a vehicle for his suppressor technology than in the HK itself, but that is pure conjecture. He still has a few registered sears left, and does the MP-5 and MP-5 K conversions for civilians. Law enforcement and Spec Ops can have their work done on existing guns also.

I remember when Jon would let prospective customers test his MP-5 SD at Knob Creek by firing it into the sandbank at the back of the dealer table area. Out of the whole crowd at the show, with no firing on the range, I don't think there was a person in there who knew that Jon had fired. This is against the new rules at "The Creek", and come to think of it, it was probably against the old rules too. In the mid 1980's, there were a lot of dealers who fired suppressed firearms into sand filled holes in the ground next to their tables at outdoor shoots. This was patently unsafe, and it is good that it's not done anymore, but it was a damn good sales tool. (Not the I ever did it, mind you...)

If you are interested in an SD conversion to your MP-5, Jon has a standard procedure that is quite impressive.

F. J. VOLLMER & CO

F. J. VOLLMER & CO #3 Towarda Rd Comington, II 61701-3485 ne - 309-663-9542

Fax - 309-663-8953

(Contact: Fred Vollmer or Jim Diehl)

The "Belt-fed Beast." The "51-B." This Vollmer original is one of the Kings of Flash, and it is definitely "Hammer Time" when someone draws a belt into one. F.J. Vollmer's .308 belt-fed with 8.9" barrel and flash ENHANCER has a tendency to overshadow some of their other products. Don't let it do that to you. Vollmer has a long history in the Class 3 world, and many interesting HK products other than just the "flashy" ones.

Fred Vollmer has been in business (Numismatics) since 1960, and in the firearms business since 1970, During the mid-1980's F.J. Vollmer & Co was widely known in the firearms trade as a wholesaler of pistols and "Black Rifles", the semi-auto military clones that include the HK guns.

They still carry on with that trade although the semi's are mislabeled "assault rifles" now. In 1986, Vollmer was a Class 3 dealer. carrying many machine guns in inventory. The May 19, 1986 ban on manufacture of machine guns for private ownership had Vollmer working with Class 2 manufacturer Bill Fleming to put together a large inventory of transferable machine guns. A significant percentage of the registered receiver HK machine guns came out of that business relationship. (As well as AR-15's, Uzi's, AK's and the 26 registered Beretta AR-70's). When they stopped working together in 1988, Vollmer obtained a Class 2 manufacturer's license and purchased the balance of Qualified Manufacturing's registered HK sears. These sears were the same as the Fleming sears, having been manufactured at the same time.

Vollmer's bread and butter has been the MP-5 series conversions. They are proud of their factory "clone" work, and a fine finish—a black epoxy baked into a parkerized base. Most of the characteristics of the Vollmer conversions are identical to

the original HK products, with a few notable exceptions. The HK-51 in .308 was originally designed as a 450 rpm machine gun. Vollmer has experimented with rates up to 900 rpm, but they prefer to keep the rate at 650 rpm. The 900 rpm is not practical for accuracy. Fixing "problem" 51's is accomplished with a new bolt carrier system.

The famous 51-B .308 belt-fed, is back in production for a limited run of 10 more, as you read this. These firearms are grip sensitive, meaning that they require a firm hold or the recoil becomes too sloppy for the bolt carrier to consistently strip and effectively feed the next round on full auto. Many a new owner has been suprised how easy it is to fix a perceived "malfunction" and get the full enjoyment out of the "Beast", by merely adjusting his hold on it. (Just a little tip for you future owners). The rate of fire is 750 rpm, slightly faster than the magazine fed 51, but this is a "Flashy" gun.

The other mainstay of Vollmer's operation has got to be the HK-21 series guns, available as select fire transferable machine guns, or semi-autos. These 21's are factory correct, (the clip-on lower is correct on a 21-A1), as much as possible. Most start with a G-3 rifle, and the magazine well must be manipulated into position without altering the serial number on the original firearm, an engineering feat that was crucial to have worked out for the entire belt-fed HK project.

The HK-11 is only available as a semiauto right now. This is a magazine or drum fed squad automatic weapon, in .308 caliber (7.62x51 NATO), with a quick change barrel. It is an extremely rare gun, and has been one of Vollmer's pet projects

for a long time.

I can't discuss F.J. Vollmer's machine gun offerings without mentioning that he bought out the last of the Tippman .22 caliber machine guns. So many people ask me where they can find one, I've got to share the knowledge. These are half size 1919-A4 Browning style machine guns that are on a scaled down tripod. They feed with a cloth belt, from a small ammo can made for the set-up. They are finished to order, and there are only a small quantity left.



FLEMING FIREARMS, INC. 9525 E. 51 St Suite J Tulsa, OK 74145 Phone-918-665-3642 Fax- 918-665-8882 (Contact: Bill Fleming)

One of the most prolific Class 2 manufacturers is Bill Fleming of Fleming Firearms. A full auto enthusiast since the



late 1970's, and a licensed manufacturer since 1982-3, Fleming has been responsible for many of the HK reproductions and enhancements on the market today. There were very few people doing HK conversions and there were virtually no factory machine gun parts available when Bill started in business. Most parts had to be custom made and Bill says he spent much of his time doing reworks of other people's versions of what an HK should be. Fleming was in position before the May 19, 1986 ban on the further manufacture of machine guns for private ownership, and manufactured many transferable machine guns, to include a MAJOR quantity of registered HK sears.

He did between 550 and 700 registered receiver G-3's with Fred Vollmer as the distributor, and around 200 registered receiver MP-5's for his own inventory. (As well as countless conversions for customers, and other neat machine guns in smaller quantities).

Bill did not raise his conversion prices to the customer during the frenzy around the 1986 ban, like many other people. (On guns you supplied—his in stock stuff did go up. He felt that we all had been screwed enough by our government, and if you were supplying the firearm, it didn't change his cost to do the work for you.) Fleming is well known to readers of MGN and other firearms publications for his penchant for utilizing his ad space trying to fire people up about their loss of firearms and other rights, and stand up and DO something about it, will you!

Fleming Firearms performs most of the conversions necessary for a complete line of HK "clones". The finish used is a baked acrylic enamel—he did experiment with the epoxies, but decided on the enamel as the best choice.

Bill Fleming has quite a few feathers in his cap (if you get one for each neat invention). If imitation is the sincerest form of flattery, Bill should be blushing because many of the "specialty" HK versions started life in his shop. The HK-51 is one of his babies. The short nosed .308, with the report of a .50 cal, is something that most people said couldn't be done, but Fleming persevered and came up with a versatile .308 select fire carbine. These have seen duty with a number of SWAT teams and as a light carbine for M60 gun crew personnel, affording them the same cal. and effective fire as the main gun that they are serving.

The 53-K (The "Dragon") and 51-K .223 and .308 respectively, are 4" barreled fire breathers, large caliber machine guns that are extremely concealable, and will fit the HK MP-5-K shoulder rigs. These are exclusive Fleming offerings.

FLEMING FIREARMS HK-32 & MP-45 MP-5K 22 ki A-1 Buttcap MP-5 22 kit Long nose MP-5-K HK 51-HK-52-A3 MP-45-K Hk 53-SD HK 51 SD A3 Sniper HK 53-K

The MP-45 series are machine guns made on the standard HK MP-5 frame, using the reliable .45 acp caliber. Bill's first run of these conversions used converted Thompson SMG magazines. There were

e feed problems with the double feed, Bill changed to M3-A1 greasegun magazines, using a double column feed and single position presentation. At present Fleming offers conversions of existing HK-94's, SP-89's, and MP-5's, and does the work on law enforcement guns also. The 45 caliber is offered as HK-45, SP-45, MP-45, MP-45-K, and MP-45 SD.

The HK-32/52 series are conversions of the HK-91 series machine guns. The HK-91 is converted to 7.62x39 and will use AK-47 magazines or drums. The 52 is an 8.9" barrel version carbine. Fleming can take an existing G-3 and remanufacture it, also.

Fleming has a specialty line that suppressesthe .223 and .308 HK carbines, called the 53-SD, 51-SD. These are all steel construction for ruggedness, and give good suppression even on full auto.

Some of the accessories manufactured by Fleming are an A-1 buttcap used to cap the HK guns with no stock, a wire side folder stock for the MP-5K that is molded into the side of the gun so that it is more concealable, and actually wraps around the front grip so that the "K" may be fired with

stock closed. The MP-5 .22 kits are evered in Chris Choat's accompanying article on accessories.

Fleming also offers a conversion that stretches an SP-89 into a full size MP-5, or just lengthens the nose of an SP-89 into a full length pistol.

S&H ARMS MFG. Co.

S & H ARMS MFG. Co. Rte 3 Box 689 Berryville, AR 72616 Phone- 501-545-3511 Fax- same # call and notify (Contact: Tom Sesslar)

Tom Sesslar, of the original S&H Arms, is another of the long term Class 2 manufacturers doing the HK conversions. His conversion work is highly respected for accuracy in making factory clones virtually indistinguishable from original HK. His customer base includes some of the larger Class 3 dealers, and many individual police officers. He characterizes his work to be mostly new conversions, and quite a few up-grades and re-works of existing firearms. S & H Arms offers custom repair

work on most firearms. The S & H Lans Mfg official 2 year warranty is well known, but Tom will usually honor the guarantee on any of his firearms work for longer.

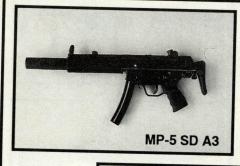
Tom started in the business as a Class 3 dealer in 1979, and formed up S&H Arms with Ed Hyde (Sesslar and Hyde, thus the S & H) in 1981. He bought out Ed in 1983, and continued on with the business doing HK conversions, along with AR-15, Uzi, FAL, 10/22 and FNC. he worked alone until Curtis Higgins became a partner in 1986. Prior to May 19, 1986, S & H manufactured approximately 3000 registered and transferable machine gun sears for various firearms. The HK sears were investment castings of 01 tool steel, and are very durable. Like all of the transferable conversion sears, supplies are dwindling, but Tom assured me he still has enough to continue to service his customers.

I mentioned that Tom's forte is "factory correct" (A lot different than "politically correct", which my conversations with Tom would verify is something he doesn't care to be. American Patriotism comes to mind...), and his manufacturing process shows a care for that. All HK firearms that he works on are re-finished with manganese phosphate then baked on black epoxy. Spot re-finishing is not done at S & H. All internals are re-finished also, so that

the "beauty is not just skin deep." He believes in factory correct timing, and building to HK spec- all parts used are West German HK manufacture. A good for instance is that his MP-5 paddle magazine release is an actual MP-5 release, not a reworked G-3 part. Rewelds are done with a Stellite rod, and his bolt carrier weld-ups are done progressively to keep the heat down, so as not to loose the temper in the carrier steel.

Specialty firearms, such as the SD models and HK-53's, are as correct to factory as possible. You may use the original HK charts to get the specs on Tom's product. Several items that he pointed out to me in our conversation were: his 53's use the correct locking piece, and many of the other 53's on the market use an incorrect one that is re-worked, and may present a hazard. Second was an ammo warning. HK warns against using "Proof +" ammo and "Israeli Black-tip" in the MP-5 series guns, and he sees a lot of "premature ageing" in all models of the 9mm HK's. Tom suggests a little care in ammunition choice, and you can extend the life of your MP-5 considerably. Good, sound advice from someone who sees a lot of HK's.

S&H ARMS MFG. Co.











S & H also offers the FNC full auto conversion on your gun, including the 3-shot burst set-up.

S&H ARMS OF OKLAHOMA, INC.

S & H ARMS OF OKLAHOMA, INC. PO Box 121 Owasso, OK 74055 Shop 918-272-9894 Fax 918-272-9898 (Contact: Curtis Higgins)

Curtis Higgins started in the Class 3 business as the partner of S&H Arms founder Tom Sesslar in 1986. He jumped right in with both feet as a Class 2 manufacturer, and worked the S & H product line with the S & H sears until the partnership split in 1989. Tom moved to Arkansas and started S & H Arms there, Curtis changed the name to S&H Arms of Oklahoma, Inc.

Synonymous with quality, S&H con-

versions of HK are noted in the SMG competition circuit. There are many "Curtis Higgins" junkies, who feel that his work is the most accurate, dependable, and professional product that they can buy. One thing is certain, Curtis has been out there shooting with the guys, and knows what the competition demands. He runs the course at Knob Creek and competes at MGN's Contributing Editor Chris Choat's Eastern Colorado SMG Competition.

S&H Arms of Oklahoma will install your sear or provide a sear. Curtis does take your registered sear and work it into one of his conversions, or will re-work an existing machine gun. He also has sears available to him so rest assured that he can continue offering his fine quality conversions to the public.

Curtis considers the factory "clone" to be his product line, offering factory correct conversions of most original HK machine guns. You can get the statistics for most of the S & H conversions from the HK chart. He takes on reworks of existing guns, repairs, and new conversions. The finish used is a black epoxy, which approximates the original HK.

Some S & H of Oklahoma specialties: SP-89- MP5K nose extension which is done with an original cocking tube and barrel, can be done on your SP-89 or Ml. K. Combined with the S & H buttstock adapter, your "K" can make a functional full size MP-5. Also available on the SP-89/MP-5K is the barrel extension. This is a threaded extension that can be used as is for a suppressor, or the three lug sleeve may be added to facilitate using any of the MP-5 three lug adapters.

HK-53 series conversions in .223 are done with factory parts, and the machining is all done in house.

The MP-5 SD suppressor unit contains stainless steel baffles and aluminum spacers. The "can" is aluminum, with a hard black anodized finish. This unit completely disassembles, is user friendly, and comes with the tools for assembly/disassembly.

S & H ARMS OF OKLAHOMA, INC.







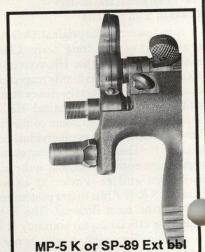




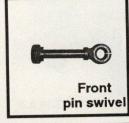














Curtis decided to offer an MP-5 muzzle brake because of his following of competition shooters. They were demanding every little edge in accuracy that they could get, so he designed and marketed one. It is all with compensator ports cut into the

The S&H stock adapter for the SP-89/MP-5K has the buffer in it, and will allow the use of either the A2-fixed or A3-collapsing stock. Customers should be aware that attaching a stock to a semi-auto SP-89 is creating a short barreled rifle, needing to be registered with NFA. If you have a registered sear installed in the SP-89, you are all set.

I mentioned his front pin sling mount in the Raffica column, and it deserves another mention here. It takes the place of the push pin on the front grip, and allows the attachment of the front hook of a standard sling. Real handy.....

Curtis is still offering FNC conversions on your semi-auto FNC, using S & H registered FNC machine gun sears. Conversions are factory correct and select fire, full auto or semi-auto.

RDTS RED DOG TARGET SUPPLIES

FS RED DOG TARGET SUPPLIES
FO Box 1931
6045 E. Cave Creek Rd
Cave Creek, AZ 85331
Phone 602-488-2165
(Contact: Ralph Smith)

Ralph Smith is no "new kid on the block", although his company, "RDTS", hasn't had the prominence in the media that some of the other HK specialists enjoy. This is unfortunate because, as evidenced by the photos (and my personal inspection of a number of his HK conversions) he does some nice work. His concepts are interesting, and not limited to HK clones.

RDTS started in 1981 as a Class 3 Dealer and switched to Class 2 manufacturer fairly quickly. They have specialized in HK the whole time, doing some work on other types of machine guns. The shop is about 20 miles from the nearest utility pole, so solar panels and generators provide power for the gunsmith's sizeable machine shop (lathes, mills, welding equipment, etc). I found it refreshing to speak with someone else who is "living it", that is, moving out to the country and staying in ness at the same time. (Tom Sesslar is and). Ralph hasn't really advertised for several years, having had his hands pretty

full with his regular clientele.

When I first spoke with Ralph about

this issue of MGN, he started compiling a MASSIVE pile of information for me, about his work. 14 pages of tech info and 30+ photos. I will try and give some of that info to you, but if you speak with Ralph, I'm sure he'll put you on the mailing list for the 20 page catalog he is putting out. I think that we are going to be individually profiling most of the companies in this article, and, because of the limited space, I'll leave most of the info for then.

Some of RDTS's specialties:

HK-51 and 53 IMProved (IMP). Most of the differences between RDTS's 51 and others are in the length of the chambering stroke. The cocking handle is moved about 2" farther ahead than on most 51's, so that

it lies over the sight strap. This gives an extra 2" of recoil spring and rod. The cocking support that the cocking handle is hinged to remains uncut, and the bolt carrier is cut back less than 1 1/2". This results in a rate of fire of 550-650 rpm with a very positive chambering stroke. The 53 IMP has the same features, but the .223 carrier is not cut at all.

Semi-auto HK-51 SA, HK-53 SA-These conversions of full size rifles are offered for the non-class 3 states and areas. This service allows the people in these areas to own and appreciate some of the finest HK variants, the 51/53 carbines. RDTS offers the SA's with all of the features of the IMP, with the barrel being

RDTS RED DOG TARGET SUPPLIES

















Fleming Firearms, Inc.

We Create What Others Copy"



Mod51

Others make grandiose claims as to their being "HK Specialists" or "HK Experts". We here at Fleming Firearms Inc. have done more design and experimental work on the HK weapons system than anyone this side of Germany. We built the first MP5K from an HK94, designed the model 51, 51K, 53K, MP45, 32 (using AK mags), 52, G3SD, G3KSD, 51SD, MP45SD, MP5KSD, 33SD, 33KSD, 53SD. We have converted more semi-auto HK rifles to select fire than any other Class 2 manufacturer in the USA.

As the prices of HK semi-auto rifles rise we will no longer offer complete firearms. We have a Very limited number of registered transferable HK conversion sears left. We do conversions with our sears or yours. We can do model changes, refinishing, repairs, etc.

We hope to be of service to you in the near future.

W.H. (Bill) Fleming

For informaion please call 918-665-3624, or Fax 918-665-8882. FLEMING FIREARMS Inc. 9525 J. East 51st Street Tulsa, OK 74145

C&S Metall-Werkes needs MP5 Magazines. Any quantity, 15 or 30 round, new or used. Paying \$24.00 - new, \$20.00 - used (serviceable). Call.

INNOVATIVE FIREPOWER FROM.....

C&S Metall-Werkes MARK 1 DRUM



* Capacity - 72 rounds

* Cover removes for easy loading * Matte black finish

The MARK 1 DRUM is built for your MP5-94 SP89 and comes with a 1 year repair or replace guarantee. Drum pouch (as pictured) is available, P.O.R.



Price: \$299.00 (Includes Shipping- UPS) Add \$5.00 for C.O.D. C&S METALL-WERKES

P.O. BOX 1156

To order: Call 314-723-5002 Fax 314-828-4226 or write: ST. CHARLES, MO. 63302

longer (16 1/4" or 13" with a permanently welded on 3.5" DTA milbrake).

MP-5SD/MP-5KSD upgrades that are quieter than the weapon's action noise are one of their specialties, also available replica form (legal semi). K-9 side fold stocks are installed on MP-5-K's, resulting in a very stable shooting platform.

Ralph is particularly proud of his finishing process, with either HK black or camo available. The first step is the preparation. Each firearm is stripped and the parts are stored in their own bin (You get back what you sent). Firearms are then cleaned and bead blasted. The two basic coatings are designated "MX-25" and "SP-1000." MX-25 is applied by airbrush to the prepared surface, then baked at 300 degrees for 60 minutes. It is not an epoxy and RDTS guarantees the finish won't be affected by gun solvents, oil, MEK, Tri-chloroethane, or the heat from firing the gun. This finish is used on the suppressors also, and the Black is a perfect match to the original HK color. SP1000 is a special finish that is set up to withstand the brutal uses in special tactics (SEAL team, etc.). 60 day immersion in sea water, 500 degrees for a minimum of 1000 hours, and extreme cold. It must be unaffected after 24 hours in gasoline, jet fuel, lube oil, epoxy paint remover, trichloroethane, hydrochloric acid and more!

RDTS also installs registered HK search into SEF, 3 shot, 2 shot, and G-3 SG1 set full auto groups, all guaranteed to be machined to HK factory spec-the hammer at full cock is .250" off housing. This is specialized work that many HK people won't do anymore because it is very time consuming.

STAN'S **GUNSMITHING SERVICE**

STAN'S GUNSMITHING SERVICE Rte #127 Webster RFD #1 Contoocook, NH 03229 Phone 603-746-4387 (Contact: Stan Andrewski)

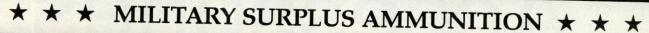
MGN profiled Class 2 gunsmith Stan Andrewski in a previous edition (Vol 7 MO. 6, Nov '93). Stan does quite a bit of repair work on the HK guns, and does sear installation in the basic HK machine groups; MP-5K, MP-5, HK-33, and th 3. His shop in New Hampshire offers personal service and, you get to talk with Stan, which can be an educational experience.

Machine Gun News - January 1994

NAVY ARMS COMPANY

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NEW SHIPMENT ARRIVED FROM MIDDLE EAST

9MM LUGER Navy Arms has finnaly received a new shipment of their popular Egyptian 9mm Surplus Ball. This sure fire, super clean, berdan primed 9x 19 is packed 36 rounds per box. Manufactured in the 1970's this high quality military ball is still the best buy on the market.

Buy by the crate and SAVE

1,008 RDS \$89.95 Crate of 4,500 Rds \$360.00 Per Crate - Shipped Fgt. Collect (8¢) SPECIAL - Buy 5 Or More Crates ... \$335.00 Per Crate - Shipped Fgt. Collect (7¢) Shipped Freight Prepaid | SPECIAL - Buy 10 Or More Crates . . \$320.00 Per Crate - Shipped Fgt. Collect (7.1¢)

8mm Kurz for MP-44 500 rounds \$150.00 1000 rounds \$300.00

7.62 x 25 Tokarev 100 rounds \$12.50 1000 rounds \$100.00

 7.62×39

Rare Find From the Middle East — Brass case, lead core, NON-CORROSIVE, packed 50 rds per box, 2000 rds per case Per Lot 1000 rds \$100.00 Fgt. Collect Per case of 2000 rds \$200.00 Fgt. Collect

8mm MAUSER In stock ready for immediate shipment NON-CORROSIVE East German Mfg. Steel Berdan primed, super clean,

NEW SHIPMENT

.30 Cal. G.I. Carbine Ammunition - NON-CORROSIVE, packed, 1050 rnds/can, 2100 rnds/case Can 1050 rds\$150.00 Fgt. Collect 1 to 10 cases \$275.00/case Fgt. Collect 10 or more cases\$260.00/case Fgt. Collect FOB Martinsburg, West Virginia

Chinese .308, Steel Case - Can 300 rds - \$36.00 Fgt Collect.

Case of 1200 rds - \$140.00 Fgt. Collect .

.308 Winchester Ball, Brass case - 1980 Czech mfg. Case of 1060 rds/\$99.95 Fgt. collect

.50 Cal. "Squeeze Bore" Ammo

Experimental, Multi-ball made for Colt Industries, linked\$1.00/per rnd

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Hard to find ammo for the Czech Vz-52 rifle.

Lot of 100 rds ...\$ 20.00 Fgt. collect Lot of 1000 rds . .\$150.00 Fgt. collect

RUSSIAN PU SNIPING SCOPE

Rare 2.5 power Soviet sniper scopes. 6-5/8" long, w/military markings. Robust, high quality, compact scope ideal for mounting on military

rifles. Will fit on quality, compact scope ideal for mounting on military rifles. Will fit on Navy Arms Type 89 detachable mount. Complete with lens cap and scope covers.

Sugg. Retail \$150.00 DEALER: \$69.95

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* JUST ARRIVED * from Russia!

Nazi P38 Pistols - Standard Grade \$249.95. (FFL Required)

 $SKS \star \star \star SKS \star \star \star$

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 exonomical price. Mod. No. SPU039. Sugg Retail: \$275.00 DEALER: \$209.95

Complete with sling and oiler.

Cal. 7.62 x 39

'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 offical Chinese Khaki color.

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

TERMS: All merchandise subject to prior sale. DEALERS: Send copy of F.F. L. signed in ink to purchase cartridge firearms (Faxed F.F.L.'s not accepted). N.J. dealers send S.D.L. for purchase of all firearms, N.Y. dealers and S.D.L. for purchase of handguns. F.F.L. holders on file with us may request a free catalog and will be put on our dealer flyer mailing lin ON-DEALERS: Send copy of drivers license an signed disclaimer stating that you not a convicted felon and you are not breaking any local or state laws to purchase ammunition or black powder firearm&AYMENT: C.O.D. Charge and Open Account orders \$35.00 minimum. Prepaid orders no minimum. Sproved for company check SIIIPPING AND HANDLING: Rifles: \$6.00 on first rifle, \$4.50 each additional. Handguns: \$4.50 on first handgun, \$3.50 each additional. All ammunition is F.O.B., Martinsburg, WV, and will be shipped freight C.O.D. (except for open account and charge orders). Ammunition cannot be hipped by Parcel Post or by Air (U.P.S. Blue label, etc.) Firearm shipments made to address on F.F.L. only, ammunition is nivoice and statement listing problem with product and daytime phone number. Non-defective merchandise may be subject to 15% restocking fee. For return authorization by phone, call (201) 945-2500 and ask for returns dept.

H&K MP-5 Accessories

by CHRIS A. CHOAT

To survive in the vast firearms accessory market you need to remember three important rules. The first is to produce a quality product that works as advertised. The second is to keep the price as reasonable as possible and the third is to market a product for which there is a

demand. In other words, produce a product for a firearm that is in demand and which exists in large enough quantities that will make producing an accessory a profitable venture.

The H&K MP-5 sub-machine gun is undoubtedly one of, if not THE most, popular full-autos in existence today. It's reputation is well earned. It exists in very great numbers both in the U.S. and other countries. Naturally the MP-5, as with any quality firearm, has a host of accessories available

accessories for the MP-5 would undoubtedly fill a very thick book. Besides, these are just some of the items that I am familiar with and I'm sure that there are lots of products out there that I don't even know about.



A myriad of accessories are available for the popular MP-5 subgun.



The ADCO MiRage Competitor and the A.R.M.S. G-3 mount make for a winning combination when mounted on the MP-5. This mount is as solidly built as the gun.

to further enhance its "useability." Heckler & Koch has a wide range of accessories available for the MP-5. Some of these are manufactured by H&K while others are made by other firms and sold exclusively through H&K.

This article is meant to show the reader some of the accessories that are available for their gun. I will try to cover quite a few great "add on's" but a complete article on

SIGHTS & MOUNTS

Probably one of the first accessories that an MP-5 owner will add to his or her gun will be some sort of an optic sight. While the iron sights on the gun are some of the best available, sooner or later the shooter will want a sight that offers some magnification, crosshairs or a red dot for more precision shooting.



B-Square makes another quick-detachable scope mount to fit the H&K "black guns." This mount features a Weaver type rail for added versatility.

The first place you have to start is with a proper mounting system. H&K offers their excellent "claw-lock" scope mount for this purpose. This mount is manufactured by H&K and has built-in 30mm rings permanently attached. The mount also comes with 1 inch inserts to adapt the rings

to 1 inch scopes. This is a very good mount although somewhat costly. The mount can be attached to or removed from the gun very quickly and always returns to zero.

An alternative to the H&K mount is the A.R.M.S. SWAN G-3 quick detachable scope mount made by Grace Tool. Inc. This mount is almos carbon copy of the H&K mount with the exception that, instead of permanently attached rings, it has a Weaver type rail across its top. This allows the mount-



The original "claw-lock" scope mount (shown on an H&K 51-B) will allow the user to mount either a 30mm or 1 inch scope to their gun.

ing of not only scopes but other sighting systems such as lasers, nightvision equipment or lights of various types. The A.R.M.S. mount also sells for less than half of the price of the H&K mount. It attaches and removes just like the H&K mount and also always returns to zero.

B-Square, a company long known for its extensive line of scope mounts, also offers a quick detach mount for the MP-5.

Machine Gun News - January 1994



Choate Machine & Tool makes the folding stock that is now used on the H&K MP-5 PDW. This stock can also be adapted to the MP-5.

This mount can be attached and removed in seconds by tightening or loosening a large knurled knob on its side. This mount also features a Weaver type rail for added versatility. This mount, as well as the two previously mentioned ones, feature a tunnel through their middle so that the shooter can use the firearms iron sights if needed.

In the area of optics there is a very broad range available. Here are a couple that I have used and like. My own personal favorite is the ARMSON O.E.G., marketed by Trijicon, Inc., and I have had one on my MP-5 for many years. O.E.G. stands for Occluded Eye Gunsite. With this sight the shooter has to leave both eyes open. One eye sees the red dot of the scope, the other eye sees the target and surrounding peripheral area. The brain then puts the

iges together. The sight is very fast, very precise and offers the advantage of greater depth perception by leaving both eyes open. The sight has a light collector on its front face to make the red dot very intense in daylight but the sight also has a selfluminous night element that powers the dot even in total darkness. This element has a 10 year lifespan. With this style of sight there is also the advantage of no switches to leave on thus draining batteries. Windage and elevation controls feature click adjustments and can be locked in place. The Armson O.E.G. is available either to fit 1 inch rings or with a permanently attached mount that fits all of the H&K black rifle series.

Another excellent red dot sight is the ADCO MiRAGE Competitor. This sight offers the additional advantage of being able to choose either a red of green dot by merely turning a dial. While the red is the best for daytime use the green really comes into its own at night or in situations where target color requires a green dot. The sight

tures a 30mm tube diameter and weighs just 5.5 ounces. Magnification is 1X (none) and the unit is powered by a single 3 volt lithium battery. With this sight the shooter



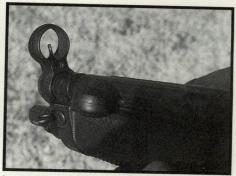
The MP-5 can be fitted with the A-1 receiver buttcap making for a very compact weapon.

has the option of shooting with both eyes open or one eye closed. The dot size is 10 M.O.A. (minute of angle) which means that the dot covers 10 inches at 100 yards. Windage and elevation adjustments are made by top and side mounted dials in the same manner as a standard scope. The sight comes complete with 30mm rings, polarizing filter, extension tube, allen wrench and scope caps.

With the above mentioned mounts almost any scope can be fitted to the MP-5. While the list of scopes available is very long I won't cover them here. The best are those that are compact and offer magnification in the 2 to 4 power range. The addition of quality optics can really bring out the inherent accuracy of the MP-5. The gun will easily shoot 1 minute of angle or less depending on the ammunition used.

Heckler & Koch manufactures a unique sighting device called an Aiming-Point Projector. The projector combines a high powered light with an aiming dot built into it. When shown on the target the projector illuminates the target with a high intensity light beam that has a black dot shadowed in its center. The dot can be adjusted much the same as crosshairs in a scope. The projector has a built-in claw-lock mount and a momentary switch that locates near the weapons forearm. H&K claims the usable distance for the projector is approximately 100 meters.

While on the subject of sights I should mention that Innovative Weaponry of Albuquerque, New Mexico makes a great set of night sights for the MP-5. The sights consist of a front and rear sight set with Tritium elements. The front sight is a complete blade that replaces the stock one. It has a vertical bar that glows bright green in low light conditions. The rear sight is an add-on piece that has two vertical "wings" into which are installed two of the tiny glowing elements. They are installed so that the shooter sees them from the end thus producing two small dots. When installed



Innovative Weaponry makes an excellent set of Tritium night sights for the MP-5. Shown here is the front sight. A rear sight is also included in the set.



The ARMSON O.E.G with integral mount is very popular with subgun competitors. This unique accessory requires the use of both eyes and allows a wide field of vision.



This MP-5 is shown with the A-2 buttstock which is the standard configuration for the gun.

into the rear sight the dots are positioned one on either side of the rear sight aperture. The rear elements are "subdued." This subdued effect is needed so that the shooters eye won't be drawn to the rear dots instead of the front "post." When installed on an MP-5 and the gun is shouldered, the shooter is presented with a sight picture of two dim green dots on either side of a bright green post. Place this arrangement on the target and pull the trigger. With these sights, if you have enough light to see the target, you can hit it even in total darkness.

STOCKS, FOREARMS AND TRIG-GER GROUPS

Heckler & Koch manufactures three types of buttstocks for the MP-5 series of submachine guns. The first is not really a stock but a buttcap that covers the end of the receiver and keeps all of the parts contained in the gun. With this cap installed the

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This MP-5 is equipped with the A-3 stock, shown retracted, and the E&L spacer/K-grip combination forearm.

guns designation becomes the MP-5 A-1. This cap replaces the stock by simply removing the stock retaining pin, removing the stock and installing the buttcap in reverse order. This cap reduces the overall length of the gun to 17.75 inches. The buttcap has a swivel which facilitates the use of a sling. With this cap in place the gun cannot be shouldered but when it is used with a sling can be fired very accurately at moderate ranges. A similar aftermarket version of the receiver buttcap is also manufactured by Fleming Firearms. This cap has a permanently attached sling swivel that is longer than the original model which allows it to be used on the H&K 94 and still keep the gun within legal length limits.

The second stock made by H&K is the standard full length A-2 buttstock. This is the most commonly seen stock and also the least expensive (aside from the buttcap). This stock is attached and removed like all others and is the most comfortable to shoot. Total length with this stock installed is 26.77 inches. A sling attachment point is built into the left side of this stock. This stock and the buttcap are manufactured from the same material, which is an extremely durable black plastic.

The third stock is the collapsible version. With this stock installed the gun becomes the A-3 version. This stock is the Mercedes Benz of collapsible stocks. The stock retracts and extends in and out from the receiver of the gun. The A-3 stock has rails that ride in channels formed into the receiver when it was stamped. The stock moves from one position to the other very easily and locks positively both open and closed. The shoulder portion of the stock is covered with the same synthetic as the other stocks and deeply checkered at the shoulder contact point. A sling loop is welded to the receiver portion of the stock. This stock makes the gun 25.98 inches long when extended and collapses to an overall length of just 19.29 inches.



A wide selection of forearms are available for the MP-5. Shown here from left to right include: the slimline, the wide, the Sure-Fire Tac Light, the Sure-Fire Laser with offset adapter for suppressed use and the E&L spacer which allows the use of the MP-5 K front grip on the MP-5.

Another stock exists for the MP-5 and it is an aftermarket product made by Choate Machine and Tool Company (no relation that either of us know about). This stock is a folding type that folds around to the right side of the gun. This stock was originally designed for the H&K 91 and 93. It has since been seen on the new H&K PDW or Personal Defense Weapon. The stock can be attached to virtually all of the H&K black rifles by mating it with the proper caliber receiver cap. While neither Choate or H&K has ever advertised this stock to fit the MP-5 I happened onto this knowledge by luck one day. I happened to have the receiver buttcap installed on my MP-5 a thought about the folding stock that Gal Choate had sent me for testing on another gun, an H&K 91. I looked at the two and had an idea that they could be fitted together. By simply drilling two holes in the buttcap it will bolt right up to the stock. About ten minutes after the idea hit me I had the folding stock installed on my gun. With the stock installed the gun is transformed into something different. You can now have a solid locking, comfortable extended stock or in a couple of seconds convert to a gun with the overall length almost as short as the A-1 version. This is really a very high quality stock.

Other optional furniture made for the MP-5 are the forearms and here again there are several different types both factory produced and aftermarket. The two forearms offered by H&K are called simply the slimline forearm and the wide forearm. The slimline was the first style produced. It is a narrow forearm that locks on the gun between the front of the receiver extension and the front sight. It is held in place by pin the same as the trigger group pin. The forearm has sections of molded-in checkering that run its length. These forearms are

made from a fiberglass reinforced, molded resin which is very strong and heat resistant.

The wide forearm is now the standard fearm and comes installed on the guns t from the factory. This forearm offers a couple of advantages. First it is somewhat fatter and offers a more hand filling grip. The second advantage is that it is longer than the slimline and extends back over the receiver extension of the gun. The receiver extension of the MP-5 can become very hot if several magazines are fired continuously with no cool down time in between. This forearm eliminated burns from this area.

Another excellent forearm, and probably one that is more useful than either of the other two, is the Sure-Fire Tac Light Forearm from Laser Products. This company makes a forearm that looks like an H&K wide forearm that's pregnant. Inside the "belly" on the forearm is a socket that is wired to a pressure pad switch that runs along its right side. The company manufactures several items that screw into this socket. These include three different lights and a laser module. The lights can be had in 3, 6 or 9 volt versions and are the brightest available. Their laser is state of the art using prisms to "steer" the laser beam to adjust it

windage and elevation instead of opposset screws which would move the laser diode in the outer housing. This makes for a much more durable and water resistant laser assembly. The switch pad on the side of the forearm is the momentary type which means that as long as pressure is applied to the pad the light or laser is activated. The whole forearm is shock and water proof and is of the highest quality. Laser Products also manufactures a host of accessories that can adapt their lights and lasers to almost any firearm.

Another forearm combination has recently become available. I call this a combination because it combines an H&K MP-5 K vertical front grip with an aftermarket spacer to allow it to be used on the standard MP-5. The spacer is made by E&L Manufacturing the same people who make all those great rigid brass catchers. The spacer is made from the same type of material as the vertical front grip (as well as some of the other forearms and the A-2 stock) which gives it a factory look when stalled. To install the combo the vertical nt grip is placed into the front of the spacer and then the unit is installed on the gun using the original forearm pin. This

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The S-E-F group.



The Navy group.



The 3-shot burst group.

The complete story of the H&K MP-5 trigger groups is a lengthy one which I will try to condense here and still give a good overall view. The trigger group of the MP-5 is a modular assembly that can be readily changed even between different guns. The first and probably most often seen group is called the S-E-F group. This is so named for the three fire control letter markings. (These markings are explained further in MP-5 The Final Option article in MGN Jan. 1990 issue.) This group has three positions: safe, semi and full-auto respectively. This was also called the "tear-drop" group, so named for the tear shaped reinforcement ridges on its sides. The selector of this group was not ambidextrous. Later the newer style "bullet markings" trigger groups were introduced. Instead of letters for fire control positions this group has international symbols which picture tiny bullets in either red or white color codings. All "bullet marking" groups have ambidextrous selectors. At the time of this writing there are 7 different trigger groups available: the S-E-F group, the S-F group which offers safe and single fire only, a single fire & 2-shot burst only group, a single fire & 3-shot burst only group (these naturally both also have a safe position), the NT or "Navy" group which has safe, semi and full-auto positions with bullet markings, the 2RB group which offers safe, semi, 2-shot burst and full-auto and finally the 3RB group which has safe, semi, 3-shot burst and full-auto positions. Whew. This wide assortment of trigger packs offer the users just about any type of fire control that you can think of. If you decide to buy one of the 2 or 3-shot trigger packs by all means buy one of the corresponding manuals for them BEFORE you try to take them apart. While these packs are very reliable and well built they are a nightmare to reassemble without a book.

While I'm on the subject of trigger groups, H&K makes a very handy little field cleaning kit that locks right into the hollow of the pistol grip of the bullet marking style groups. This kit contains a pull-through lanyard, two different bore brushes, a patch rod and an oil bottle.

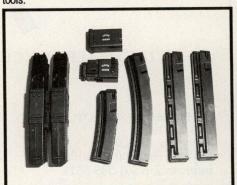
MAGAZINES

The first type of magazine that was produced for the MP-5 was a 30-round straight magazine. These magazines were made of steel and had ridges, that looked like fingergrips, along their front sides. This type of magazine was also produced in a 15-round version but few are encountered in the United States. Later magazines, read that current production, are all curved which is said to improve reliability. I' used the straight mags and have had problems as long as ball ammo is used. These curved magazines also come in 15 and 30 round capacities. Aftermarket magazines have been somewhat limited. A 40 round magazine was produced, for a few years, by a company called Max Capacity. These magazines were equal in quality to

This complete little cleaning kit fits into the pistol grip of either the Navy or the 3-shot burst groups.



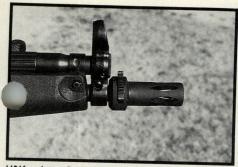
Shown are the various magazines made for the MP-5. From left to right, two curved 30-rounders in a magazine clamp, a curved 15-round mag, a curved 30-round mag and two 30-round straight mags. Above the 15-rounder are the loading and unloading tools.



The C&S Metall Werkes 72-round drum is well made and very reliable.



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H&K makes a flash hider that locks on the guns 3-lug barrel. This device is useful for firing with night vision equipment.



This is the H&K blank firing adapter. It also locks on the 3-lug a has a red band around the front to remind the firer to take it off before firing live ammunition.



H&K makes two different grenade launchers for the MP-5. This gun is equipped with the tube type launcher and rear sight adapter.

factory mags and worked very well. The company no longer produces these for the commercial market.

Heckler & Koch also makes the finest magazine clamps that I have seen. These can be used to clamp two of any of the above mentioned magazines together. The clamps hold the mags side by side and feature a spring loaded lever to activate the clamping mechanism. These clamps have rubber pads on the inside to hold the mags secure as well as protecting the finish.

A company called C&S Metall-Werkes has recently started to produce a 72-round magazine for the MP-5. These drums made from PPSh-41 drums of World War II fame. The drums are internally modified and adapted to fit the MP-5. They are all steel, very well built and work flawlessly. The external finish of these drums also matches the guns finish. If you want a LARGE amount of firepower for your gun then look no further.

While on the subject of magazines be informed that there are loading tools made for MP-5 magazines. Heckler & Koch makes a set consisting of a loader and an unloader. You may not think that an unloading tool has much purpose but it's handy for changing ammunition that is loaded in a magazine for that of another type. Loading double column magazines like those used in the MP-5 is usually not much of a chore even without a loading tool. But the H&K loading tool does speed up the process a bit and its easier on the fingers. This set of tools is typical of German made weapons accessories. There was probably more R&D work put into these tools than go into a lot of guns themselves.

Another loader that is available is the C-3 Systems Rapid Loader marketed by USA Magazines. This loader uses plastic cubes called "Uni-Cubes" that the shooter pre-loads. The cubes look like five 6-round stripper clips that have been connected side by side thus giving the user 30 rounds per

cube. The cubes fit into a housing that fits the particular magazine that the loader is made for. This housing has a plunger which is cycled back and forth to push the shells from the cube into the magazine. With a little practice a 30-round magazine can be loaded in under 3 seconds.

MUZZLE ATTACHMENTS

The list of accessories that you can attach to the muzzle of an MP-5 grows almost daily. Heckler & Koch makes four of them. These consist of a flash-hider, a blank firing adapter and two different grenade launchers. While the first two are self explanatory the second pair need to be described. The first launcher is a "tube" type which will launch the stick type grenades with a hollow tube in their center. Most of these consist of explosive type grenades. The grenade is fired with a blank round or in cases of a bullet trap grenade, a live round. The second type launcher is a "cup" type. This launcher is designed to fire the canister or rubber ball, pull ring grenades

Blaylock's Gun Works AP-9 suppressor is a very robust suppressor and does an excellent job suppressing the gun.

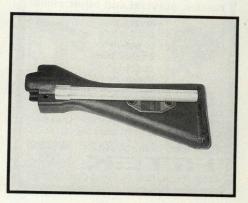


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Muzzle attachments abound for the MP-5. Shown here from left to right; the H&K flashider, the S&H Arms of OK Tac-Comp, the Special Op's Shop "snapon" comp, the Accura Tech muzzle stabilizer and the Special Op's Genesis "snap-on" suppressor.



The Harrt's recoil reducer fits in the hollow of the A-2 buttstock. This mercury filled reducer makes the weapon even more controllable.



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The H&K MP-5.22 long rifle conversion comes complete with barrel liner/chamber adapter, recoil spring assembly and two magazines in a fitted wooden carrying case.

such as tear gas or concussion grenades. The grenade is inserted into the cup of the launcher, the ring is pulled and the grenade is fired using a blank cartridge. A plastic sight adapter is also available that slips over the rear sight drum and has elevation diopters for 25 and 50 meters.

The list of suppressors made for the MP-5 is almost as endless as the other accessories. While I can't cover them all here's a few that are worth a look. The first is the Genesis Series from Special Op's Shop. This is a very small suppressor that works very well. The suppression of this device is first rate. The unit also has a patented "snap-on" rear end cap. This cap is an ingenious device that allows the user to attach and remove the suppressor in a couple of seconds. The unit can be ordered in either stainless steel or titanium for the weight conscious.

The next unit is the TAC NINE made by AWC Systems Technology. This suppressor is also compact and built entirely from stainless steel. This unit is very quiet and can be ordered to fit either a three-lug or a threaded barrel. Weight of this unit is 23 ounces. Dale Blaylock of Blaylock's Gun Works also makes an excellent suppressor for the MP-5 submachine gun. His unit is called the AP-9 and is again made from stainless steel. Another very quiet suppressor that is very robustly built, this suppressor uses the SCRC muzzle coupler for the three-lug attachment.

It too can be ordered to fit a threaded barrel.

On the subject of muzzle brakes or compensators three are standouts. The first is the "Snap-On" Comp again from Special Op's Shop. This dual-port comp uses the same patented snap-on locking mechanism found in their suppressors. The easy on, easy off comp works very well at controlling muzzle rise and side swing.

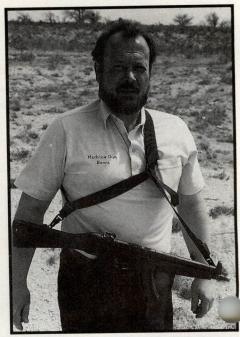


The Ziegel Engineering Model 41 case is an excellent choice for carrying the MP-5 and accessories.

Curtis Higgins of S&H Arms of OK, Inc., makes a compensator called the TAC-COMP. This comp locks to the gun using the same mechanism as the H&K factory muzzle attachments. This comp has only one exhaust port but works very well.

The third unit is the MP-5 Muzzle Stabilizer made by Accura Technology Corporation. This unit uses a threaded "horseshoe" collar, that fits behind the three lugs of the gun, to fit a threaded adapter to the gun. The muzzle stabilizer is then threaded onto this adapter. The stabilizer is adjustable not only for either right or left handed shooters but also for degree of muzzle stabilization and type of ammunition used.

While on the subject of muzzle stabilization, another product needs to be covered. This is a recoil reducer that also helps control muzzle climb and flip but does so from the other end of the gun.



The Snap Sling is the author's choice for the best sling to carry the MP-5.

Harrt's, Inc., makes a mercury recoil reducer for the MP-5 submachine gun. Two versions of this device are produced one that fits in the hollow A-2 buttstock and other that locks onto the A-3 stock rails en they are extended. The recoil reducer is a sealed cylinder containing a precise amount of mercury and several steel balls. It acts much like the mercury recoil reducers originally designed for use in shotguns. In fact, Harrt's also makes models for shotguns as well as rifles and handguns. Although the MP-5 does not "kick" much, so to speak, this device keeps the shooters' "groups" very tight even at long ranges. You have to shoot an MP-5 with one of these installed, it's fantastic. With this device and a muzzle comp, the gun fires like it was clamped in a vise.

CASES, HOLSTERS AND SLINGS

To carry your prized MP-5 and to protect it from the hazards of the world let me suggest three options. Eagle Industries Unlimited, Inc. makes several carrying cases for the MP-5. These are soft cases made from Cordura nylon with a thick closed cell foam padding. This company makes at least half a dozen different MP-5 cases for any situation. These are heavy duty cases with YYK zippers, welded "D"

gs, internal or external magazine can double as weapon slings. They also make a full line of magazine carrying pouches for belt, chest or thigh carry. Eagle also makes a shoulder holster which was originally designed for the MP-5K. This holster can also be used for the full sized MP-5 when it is equipped with either the A-1 receiver buttcap or the A-3 collapsible stock. This shoulder holster displays the high quality of all other Eagle products. It has a magazine pouch located under the weak arm side and holds the gun securely yet it can be quickly detached.

For a hard case I would suggest looking to Ziegel Engineering. This company makes welded aluminum cases with reinforced corners, heavy duty hinges and three different types of locks. Inside is a high density polyurethane foam for the ultimate in shock protection. The cases feature a Neoprene rubber dust seal between the lid and the case. This company also has at least half a dozen cases that will fit the MP-5.

those on an unlimited budget, the cases also be special ordered in titanium.

Bill's Guns and Supplies markets a case which is a redesigned copy of the West German "drop case" specially made for the Machine Gun News - January 1994 MP-5. This case will carry an MP-5 and three extra magazines. The redesigned case features improved internal padding, Fastex closures and is available in black or olive drab. The case also has a carrying handle and shoulder strap. The company is now gearing up to make the case in a new size for the popular MP-5 PDW.

Every manufacturer that makes slings probably makes one for the MP-5 but I have a favorite and I think that it's the best one available. It's called the SNAP SLING and is made by a fellow named Ed Verdugo. His company is called G.R.S.C. and they make a sling that is functional, comfortable to use and looks great. The sling is made of black nylon webbing that is double stitched at all stress points. It features H&K type snap hooks at the weapon attachment points. With this sling the user can carry his MP-5 up high, close to his body. Then by snapping it forward, the sling extends to a shouldering position. The sling allows the gun to be carried in several positions and yet allows the user free use of both hands if needed. The sling is also wider than most which makes it more comfortable to carry the gun for long periods of time.

CALIBER CONVERSIONS

Because of the barrel design of the MP-5, the only caliber conversion available for the gun is the sub-caliber .22 long rifle conversion. Two of these exist. The first is a conversion unit made by Heckler & Koch. This is a high quality unit but only a few 100 made it into the United States. Because of this prices for these run almost \$1000.00. The unit consists of a barrel liner\chamber insert, recoil spring assembly and two 20-round magazines. The unit will work either semi or full-auto and the cyclic rate about duplicates the 9mm rate. The unit comes in its own fitted wooden case with a detailed manual.

Recently, Bill Fleming introduced his .22 LR conversion for the MP-5. While his version is a lot like the H&K factory unit, it has some improvements. The major improvement over the factory unit is price. Fleming's conversion sells for around \$350.00 retail. His new version of the unit also contains an anti-bounce weight to prevent bolt bounce. The magazines in the unit are 20-rounders like the factory unit but plans are in the works for 30-round magazines. Fleming's conversion can be ordered in either semi or select-fire and for either the MP-5 or the MP-5 K. Cyclic rate of this unit also mimics the factory conversion.

This article on MP-5 accessories is just the tip of the iceberg. More accessories are introduced weekly and I apologize to any manufacturer whose product I inadvertently left out. In a few months I can probably do another article of this length and cover all new accessories. If you own an MP-5 and you like add-on goodies then I hope you have an unlimited "gun" budget.

MGN

RESOURCES:

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(Resources continue page 36)

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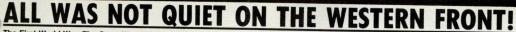
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The First World War, The Great War, The War to End all Wars was the greatest carnage in human history. Technology had outstripped tactics. Cavalry charged machine guns and men used bayonets against tanks yet through its four long years was heard the ever constant chatter of the watercooled machine guns as they harvested Europe's young manhood. Ironically these "Death Machines" on either side, were the brainchild of an American Inventor, born in Maine, who became a British citizen and was knighted for his achievements; SIR HIRAM MAXIM. Sadly Sir Hiram died in 1916 appalled by the devastation his inventions had created when his only drawn had been to create. his inventions had created when his only dream had been to create the ultimate weapon to end all wars.

Now seventy-five years after the close of World War One the most amazing cache of Original German issue WW1 Maxim M.G. material has been released by the Turkish Government, an ally of Germany in the 1914-1918 war. This material, including many items almost unheard of previously on the collector's market has been catalogued by the well known expert Mr. Dolf Goldsmith of San Antonio, Texas whose definitive book on Maxim Machine guns "THE DEVIL'S PAINTBRUSH" is the foremost work on the subject. Below is a partial listing of the material Mr. Goldsmith has identified for the collectors market with cross references to his book to provide additional information.

German WW1 250 round cloth ammunition belt with brass spacers. Well preserved in very good condition, quantity limited. \$100.00 (XM1026)

Interwar 250 round ALUMINUM belt developed for easy hand loading for use with the 08 Maxim, the .303 Vickers and 08/15 Maxim using the 08 Feed pawl without finger guide. Works wonderfully. (See Devil's Paintbrush, page

Similar Interwar belt to the Aluminum model but of steel construction, presumably for heavy duty use, scarce.

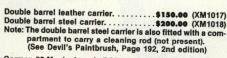
German WW1 Steel Ammunition Can (PATRONENKASTE 15), this model 1915 all steel 250 round can was the forerunner of the WW2 MG34 can commonly encountered. Very slightly different in construction to the WW2 can this was the first 250 round steel can to be adopted by the Germans. WW1 production. Good/Very Good condition, empty can. \$ 25.00 (XM1028)

German WW1 Water Can Model 1916. These are the original rectangular water cans that were designed to be the same size as the 1915 ammunition can for ease of carrying. Extremely difficult to find, complete with swivel water spout. (See Devil's Paintbrush, Page 196, 2nd edition).

......\$195.00 (XM1029) German WW1 08/15 100 round Ammunition Drum (Trommei Patronenkasten 1916). These drums attached to the side bracket of the 08/15 to allow easy weapon maneuverability. German markings. Complete with reel, good to ver good condition, very scarce. \$350.00 (See Devil's Paintbrush, Page 166, 2nd edition)\$350.00 (XM1030)

German WW1 Maxim Barrel Carriers, made to carry either one or two barrels. Wartime issue was four barrels per gun so carriers were an essential accessory. Carriers came in all steel or in leather covered wood and are offered in Very Good Condition as follows:

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German 08 Maxim barrels 7.92mm, Best Grade, almost like

German WW1 Maxim Blank Firing Attachment with soaking can. Very scarce and in Excellent condition.

.\$250.00 (XM1008) (See Devil's Paintbrush, Pages 193/4, 2nd edition.)

We have a few Blank firing attachments NOT in cans\$175.00 (XM1022)

German 08 Maxim Muzzle booster assembly with soaking can (optional circular flash shield not included), excellent condition. (See Devil's Paintbrush, Pages 193/4, 2nd edition). ...\$250.00 (XM1009)

German 08 Maxim locks complete, Serial numbered and proof marked in Very Good/Excellent condition.\$ 75.00 (XM1023)

We also have a few Unnumbered Armourer's locks which were issued as replacements also in Very Good/Excellent condition, just perfect to complete your gun. \$125.00 (XM1024)

German Maxim WW1 Optics direct fire sight made by Emil

German Maxim WW1 Optics direct fire sight made by Ernst Leitz of Wetzlar, fully operational, complete in original leather case. All these direct fire optics sights were 2.5 power and officially designated "Zielfernrohr 12" commonly referred to as "ZF 12". (See Devil's Paintbrush, Page 182,

> German made Sight Director for use in directing combined fire of a platoon of guns, illustrated on page 185 of Devil's Paintbrush. Combination western and Turkish numerals, complete in leather case. Very scarce terrific Germ ty, excellent......\$350.00 (XM1040)

German made Protractor used to layout angles of direction for indirect fire. An intricate and in-teresting instrument used in conjunction with the indirect Fire Sight. Illustrated on page 185 of Devil's Paintbrush. Complete with original Carrying Case, rare. \$250.00 (XM1041)

AUTOGRAPHED copies of the expanded second edition of "The Devil's Paintbrush - Sir Hiram Maxim's Gun" (XB001), available @ \$69.95 from I.M.A. or direct from the author: Dolf Goldsmith, 800 Isom Road, Suite 202, San Antonio, Texas

belts straight to avoid jamming. Fits on the 08/15 drum bracket; extremely rare and highly desirable for the 08/15 Maxim.\$125.00 (XM1025)

German WW1 Maxim Cartridge Case Tongs, used to remove cartridge cases that have dropped into the receiver, issued with each Maxim tool kit and fitted to each Sled Mount. (See Devil's Paintbrush, Page 187, 2nd edition).

German Maxim 08 and 08/15 Feed

block extension tray which keeps

.....\$ 40.00 (XM1011) German WW1 Maxim Chamber Cleaning Tool, angular construction to reach into chamber without disassembling bar-rel. Issued with each Maxim tool kit and fitted to each Sied

Mount. (See Devil's Paintbrush, Page 187, 2nd edition).\$ 40.00 (XM1006)

German WW1 Maxim Belt Loader, complete in original wood chest with all tools, excellent condition; few only. (See Devil's Paintbrush, Page 190, 2nd edition).

.....\$500.00 (XM1033) German Shoulder Stock for the NAVAL MG 08 Maxim, exerman Shoulder Stock for the HAVAL in States on study on tendable in length, wood shoulder piece; fits on study on Naval Maxim (See Devil's Paintbrush, Page 143, 2nd edition). Also used on Argentine and other early Maxims. So

Detachable Maxim Shoulder Stock, hinges on lower backplate pin and clips against top handle bracket. Believed to be an interwar accessory for use with the "spider" anti-aircraft sight listed separately. Very scarce and unusual.\$100.00 (XM1035)

Maxim anti-aircraft "spider" sight with bayonet base fitting, introduced in the interwar period and found on the Chinese type 24 and other contracts. (See Devil's Paintbrush, Page 328, 2nd edition). Excellent 328, 2nd edition), Excellent. \$ 30.00 (XM1036)

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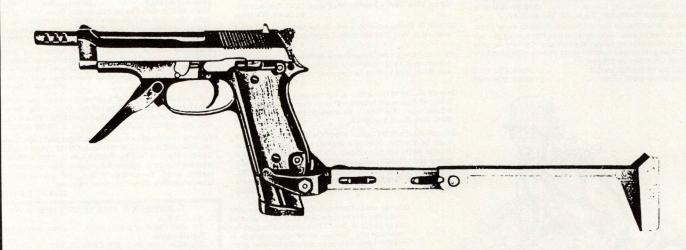
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- 30. HK-MP5-SD, 4-pos, 3 shot, Fleming, exc, suppressed
- 31. HK-51B-A3, sear, beltfed, .308, SEF lower
- 32. HK-51B-A3, reg. rec., push-pin, 4-pos, 3 shot, new
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tive, heavy duty locking mechanism. The new stock will naturally also fit the new H&K PDW (Personal Defense Weapon). Retail price is \$250.00. Dealers call for wholesale pricing on both of the above items. For more information or to place an order contact: R&R Enterprises, Dept. MGN, 117 Lakeshore Drive, Pasadena, MD 21122. Phone: 1-401-437-2507.

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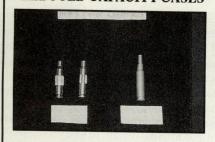
Full scale plans are now available to build your own .22 caliber Gatling Gun. The finished gun is a ten-barrelled gun complete with an Achilles type drum which holds 40 rounds. By following the plans the user can end up with a gun that is fully shootable, accurately detailed and of museum quality. The finished gun is approximately 1/3 scale. Plans can also be ordered for the optional wooden carriage which sits on 20-inch spoked wheels. Cost of the plans is \$44.92 for the gun and \$9.50 for the carriage. These prices include 2-day Priority Mail shipping within the U.S. For mor information contact: RG-G, Inc., Dept. MGN, P.O. Box 1261, Connifer, CO 80433.

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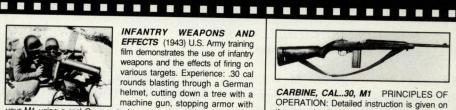
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WWII Weapons Video Collection

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INFANTRY WEAPONS AND EFFECTS (1943) U.S. Army training film demonstrates the use of infantry weapons and the effects of firing on various targets. Experience: .30 cal rounds blasting through a German helmet, cutting down a tree with a machine gun, stopping armor with

your M1 using a real German tank as a moving target! Many other targets are used such as: concrete walls, pill boxes, trucks, more! Weapons shown: .45 Pistol, M1 Carbine, M1 Garand, Grenades (fragmentation, white phosphorus, smoke), B.A.R, .30 cal. Lt. Machine Gun, .30 cal Heavy Machine Gun Water Cooled, .50 cal. Heavy Machine Gun, Mortars, Anti-Tank Grenade, Bazooka, 37mm Anti-Tank Gun, 57mm Anti-Tank Gun, 105mm Howitzer. 30 minutes.



WEAPONS OF THE DIVISION INFANTRY (1942) "The skills you obtain here may someday save your life!", says the narrator of this unique Army Training Film. This film serves as a guide for the soldier to become familiar with the distinguishing sound of each weapon used by the

infantry. A description of each weapon is given followed by a look at the weapon firing. Now move down range and experience what the soldier under fire would hear as bullets fly overhead! Finally, the receiving end - where you don't want to be. See and hear the effects of each weapon hitting its target. Weapons shown: 03 Springfield, M1 Garand, B.A.R, Browning .30 cal. Lt. Machine Gun, 30 cal. Heavy Machine Gun, 50 cal. Heavy Machine Gun, 37mm Anti-Tank Gun, 75mm Gun, 60mm Mortar, 81mm Mortar, 105mm Howitzer, 155mm Howitzer, Bayonet, .45 cal Pistol, Hand Grenade. 56 minutes. VHS 201.

THOMPSON SUBMACHINE GUN, CAL..45, 1928A1 (1942)

Topics covered in this collection of detailed Army training films include: PRINCIPLES OF OPERATION: Descrip-tion of gun characteristics, Trigger action • ASSEMBLY AND DISASSEMBLY: Removing and replacing groups, Nomenclature of



groups, Spare parts and accessories, Care and cleaning, Assembling. • MANUAL OF ARMS • STOPPAGES AND IMMEDIATE ACTION . SIGHTS . LOADING AND FIRING: Types and care of ammunition • INDIVIDUAL SAFETY PRECAUTIONS • MARKSMANSHIP: Blacken sights to reduce glare, Triangulation, Sight alignment, Range estimation, Positions, Marksmanship exercises, Air Targets, "With a complete understanding of how it functions, you can make sure the Tommy Gun will not fail when it's needed most". Also see tracer fire at night!



CARBINE, CAL..30, M1 PRINCIPLES OF OPERATION: Detailed instruction is given on the operating function of the many parts which make up the M1 Carbine. 14 minutes.

THE M-2 CARBINE The unique design features of the full automatic M2 Carbine are well illustrated in this WWII army training film. A live fire demonstration is conducted to compare the M2 Carbine with its Japanese counterpart the 8mm Submachine Gun Model 100. 15 minutes. 2 films, 29 minutes. VHS 205\$21.95

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SEMIAUTOMATIC AND AUTOMATIC FIRE Weapons shown: Springfield, M1 Garand, M1 Carbine, BAR, M3 Submachine Gun, .50 cal. Heavy Machine Gun, Pistol. 41 minutes. VHS 202. ...\$29.95



RIFLE, CAL. 30, M-1 GARAND

PRINCIPLES OF OPERATION The operation of the M1 Garand is covered in detail using the actual rifle animated diagrams.

RIFLE, AUTOMATIC CAL. 30, BROWNING M1918A2 PRINCIPLES OF OPERATION: A complete description of the BAR's gas operated firing cycle is presented by using a cutaway BAR and animated diagrams. minutes. 2 films, 32 minutes. VHS206..



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The Ammo Bunker



by DUTCH HILLENBURG Question and Answers

Q I read with great interest, Mr William's article on reloading the 20mm Solothurn case. (20x138B) Typically, you left out any mention of Czechoslovakia, a country which manufactures this 20mm cartridge to this day. While back in 1945, Czechoslovakia manufactured this 20mm cartridge for the numerous German anti-aircraft "Vierlings," today the same cartridge is manufactured for training firing with large caliber cannons. To explain, in order to save expensive large caliber tank ammunition, rifled barrel inserts are used and these are chambered for the 20mm Solothurn cartridge. Accuracy is excellent and tank crews can learn shooting at fairly long ranges. After such field training, baskets of the empty fired cases (20mm Solothurn) are collected and shipped to the factory as scrap steel. (Unless soldiers and officers take a few home for their children to play with.) A couple of years ago, while visiting Czechoslovakia, I was given about 20 of these fired, empty shells to take with me to the USA. I refused since all this was very heavy and might make the airline security go crazy. These recently manufactured 20mm Solothurns from Czechoslovakia (now the Czech Republic) are made of steel cases which are silver coated (I think it is zinc) and are Berdan primed. The projectile is solid steel, painted black with 1/2 inch green band and soft iron rifling leading band. At the base of the projectile is a hollow compartment for tracer compound which shines bright green up to 800 meters. (The example I saw had the tracer compound burned out.) If these empty cases are legal to bring into the USA, some enterprising individual can import 10,000 of these for next to nothing. (As well as the projectiles.) Better yet, some enterprising individual can contact the factory which manufactures these cartridges (I am not sure if it is Sellier and Bellot, I think not), and order a huge number of these shells, unfired, unprimed (to make it easy to import) plus huge numbers of steel, no tracer compound, (again to make it easy to import) projectiles with soft iron leading bands.... And all the reloaders of 20mm

Lahti and Solothurn can reload and shoot for very little and the enterprising individual can be the worlds greatest supplier of brand new 20mm Solothurn unfired, empty cases. The early, 1945 20mm Czech made ammunition was also steel cased but constructed with anti-aircraft type projectiles, now valuable collectors items. Not suitable for target shooting in the USA. I do hope that you will find this information rather fascinating.

Sincerely, J. V.

A Thanks for all the 20mm information. I DO find it fascinating, as do many big bore shooters out there. As it happens, my new company is now busy importing military items from Eastern Europe, particularly Russia and the Baltics. I've spent two of the last four months in Russia and by the time you read this I will be there again. My firm, Grandpa Lenin's Inc., should take delivery of its second semi-trailer sized sea container by mid December to early January. If possible, I'll try to get down to Prague to visit Sellier and Bellot. Maybe we can supply the needs of all you big bore types!

I would like to stress that any readers should be very cautious about bringing in any military related items when traveling abroad. You need to be a licensed importer with an approved Form 6 to bring in anything which is considered an Implement of War, even canteens or rifle slings. While it might be tempting, bringing in a single round of ammunition larger than .50 caliber, even practice rounds, requires a license as an Importer of Ammunition for Destructive Devices. That license costs \$3000 per year. Now you know why 20mm Lahti and Solothurn ammunition costs so much.

Do it legal or don't do it!

Q Dutch, a friend picked up some interesting .223 ammunition at a gun show and has had problems with it. The headstamp is LC 83 and the brass is silver colored. The first round he fired blew apart the drum magazine, he was using, dumping ammo

everywhere. He tried a round in a different gun and it blew the bottom out of the 30 round magazine! What is this?

Nyle

A What your friend has is some high pressure test ammunition produced at Lake City in 1983. It is used to proof test barrels and is VERY DANGEROUS!!!! It should be used only by trained specialists and they fire the test weapons by remote control from the safety of a control booth. This particular load is known as M147 Test and is identified by a stannic stained or nickel coated cartridge case. Other high pressure test ammunition is identified by other methods so I once again urge readers to pick up a reference guide if they are shooting anything other than store bought factory ammunition.

The excellent manual Small-Ca
Ammunition I.D. Guide (U) DST-1160G514-81 Vol.1 is available from: Sherwood
International (800) 423-5237 The price is
a whopping \$6.95. They also have several
other manuals such as Small Arms I.D. and
Operation Guide: Eurasian Communist
Countries DST-1110H-394-76 and Small
Arms Ammo Tech Manual TM9-1305-200.
Give 'em a call. They're all good books.

Q I was down at Knob Creek shooting some .223 ammunition I had bought at a local gun show and had a serious problem. The ammunition has a three segment headstamp of MAL 5.56 4-85. I've enclosed the problem round and a sample unfired round.

Is this a bad lot of ammo?

David

A First off, this ammunition is a reload. The MAL headstamp tells me that the brass was originally of Malaysian origin produced in April of 1985. That was easy. The primer is silver colored however, which reveals that it is a commercial reloading primer rather than the brass colored primer found on military brass. Take note, it's something to watch for buying ammo. The unfired sample LOOKED normal so I'm guessing that your problem was a primer which was not fully

seated. Military brass is famous for being difficult to reload, particularly the primers because military primers are usually crimped in place. This makes inserting a new primer difficult. It appears that the roperly seated primer was fired slightly out of battery which caused the "blown" primer and the case to swell at the base. Notice that the fired case is now fire formed and resembles a Belted Magnum case. It was fortunate that the primer blew as this vented the gases before they could build to catastrophic levels. If things had been slightly worse, the bulge would have ruptured the case and that would have required a special tool to remove. If things were worse yet, the pressure could have built to truly dangerous levels and possibly destroyed the weapon. Consider yourself fortunate. As my old Drill Sergeant instructed, "Always check your weapon and your ammunition regularly and carefully." Old sergeants don't get to be old sergeants by being foolish.

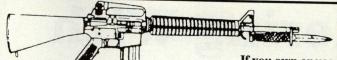
Since we've been on the subject of importing, I want to pass along a warning. A year or two ago, an importing firm (not mine!) brought in a number of Soviet training devices. One device was designed to illustrate the basic functioning of the AK-47 trigger mechanism and consisted of a stripped receiver mounted on a board and the other was a cutaway version of the Rus-

PPS-43. It seems that they slipped through accidently somehow. The problem is that they are LIVE machineguns.

The board mounted unit needs only the addition of an AK-47 parts kit to be functional. The PPS-43 is even worse. It can be reactivated by simply dropping in a new barrel and bolt. If you have or are offered one of these devices, turn it in. BATF is actively tracing these devices down. Ignorance is a poor defense.

I spoke with an individual at BATF about these items explaining that I was putting a warning in my column and suggesting that it might assist in the recovery. He sneered that it was unlikely, he didn't have much faith that shooters would turn in an illegal machinegun. He's been a pretty reasonable guy in the past but that upset me. Does he doubt that the average good citizen would hesitate to surrender counterfeit money or a stolen car if they stumble across them? Considering the phenomenal record of compliance with the Gun Control Act of 1934 since it was passed SIXTY years ago, I think we deserve a little more respect. Keep the faith. K-N-ROLL!

> Questions to: Dutch Hillenburg, C/O MGN PO Box 759 Hot Springs, AR 71902



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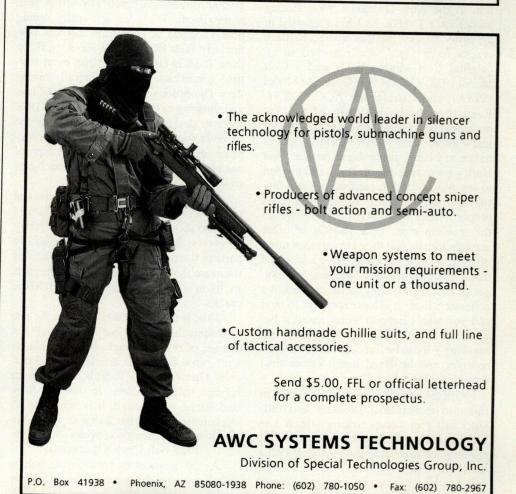
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Tinkering With Thompsons



by JIM KLODZINSKI of GUNMACHINES

Thompson Cracked Receivers, Part IV.

his is the final article concerning the TSMG cracked receiver situation. First an update: in my article appearing in the September, 1993 issue of MGN, I listed my toll-free telephone number and asked readers to call in to report any incidents of TSMG cracked receivers. As of this article's deadline date, November 17, 1993, I have received only two calls. Factoring this bit of information into the other information that I have reported about the number of cracked receivers (approximately 16) that I have heard about during the last four years, I think that we can fairly assume that the cracked receiver problem has been greatly exaggerated. There has been much talk and rumors; but, statistically, very, very few incidents occurring.

Secondly, most of the talk, indeed, if not all, has related the cracked receiver situation to the Auto-Ordnance West Hurley Model 1928 TSMG. As I have reported in previous articles in this series, hairline cracks have also been reported in an original Colt Model 1921, and a Colt Model 1928, a World War II Savage Model 1928A1, and a Bridgeport AOC 1928A1. Even though the majority of the approximately 14 cracked receivers that I know about were AO West Hurleys, it is unfair to blame the problem on the West Hurley made receiver itself-it can happen to any Model 1928 regardless of manufacturer. The reason, I believe, that proportionally the West Hurleys experience the problem more than TSMGs of other manufacture, is that they are just shot more often. I, as well as others, have advocated that if you want a 1928 Thompson to shoot, get an AO West Hurley, because it is not a collector's item; it is less expensive to buy; and you won't have to worry about it becoming scratched up, or something breaking—it can be fixed. In fact, a cracked receiver can be fixed much easier than replacing a burst barrel!

With the advent of increased interest in full-auto recreational shooting and full-auto sub-gun competitions which has happened over the last ten years, the vast majority of the Thompson Model 1928s that are being subjected to very high volumes of ammunition consumption are the AO West Hurley 1928s. I'm talking

about some shooters going through 10,000, 20,000 or 30,000 or more rounds a year. I even know of one TSMG shooter who shot over 100,000 rounds in his West Hurley 1928 in a year, after he had the rear rewelded. In fairness, I don't think that even Oscar Payne, the real designer of the 1921 and 1928, as well as any other manufacturer of a 1928 TSMG, including Auto Ordnance at West Hurley, ever envisioned such use.

Since I had first noticed my own cracked receiver, over four years ago, I have taken the opportunity to talk with veterans of World War II and Korea who carried and used 1928 Thompsons in combat. I would ask them about reliability, breakage of parts and ammunition consumption. I was told that even during a four year war, the chances of a single 1928 Thompson digesting 40,000 rounds was practically nil; in fact, non-existent. What we are really seeing now, I suggest, is Thompson shooters, particularly West Hurley 1928 shooters, firing their TSMGs far, far more than even wartime conditions. They are literally taking their Thompsons to the outer-limits of use, and showing us the receiver life of the 1928 receiver design, regardless of whether the receiver was made at West Hurley or someplace else, and regardless of what type of bar-stock the 1928 receiver was machined

Thirdly, of the 14 examples of cracked receivers, about half of the West Hurleys and also about half of the non-West Hurley receivers, had Gunmachines Reliability parts in them; so, conversely, about half of the examples did not use Gunmachine parts in them and still experienced hairline cracks.

This, in itself, should show that the use of Gunmachines parts in a Thompson is not a cause of receiver crack. Nevertheless, as I promised in the last article, I would discuss Gunmachines Reliability parts in relation to the problem. In order to fully understand this though, it is necessary to explain in detail what happens when the bolt in a 1928 Thompson cycles.

1928 Bolt Cycle Operation

At the moment of ignition the bolt is fully forward in the receiver, the actuator is positioned in the bolt; the standard blish lock (H-piece) sits in the bolt in its lowest most forward position, and thereby holds the actuator in its most forward position within the bolt—at this stage the rear of the actuator is about 1/4 of an inch within the rear face of the bolt. With ignition of the cartridge, the bolt moves rearward in the bolt channel. As this occurs, the lugs on both sides of the lock move on an upward, slightly rearward, angle within the slots milled into both sides of the inside of the receiver. This action also causes, simultaneously, the lock to move in an upward, slightly rearward, angle within the bolt and actuator, thereby moving the actuator to its most rearward position in the bolt.

The rear of the actuator actually breaks the rear plane of the bolt and extends beyond the rear of the bolt by a few thousandths of an inch-in some cases by as much as 1/64th to 1/32nd of an inch. Next, the entire bolt-lock actuator-asser ly moves rearward. This mo compresses the recoil spring. The actuator then becomes locked in its most rearward position within the bolt by the lateral rails milled into the sides of the inside of the 28 receiver. The bolt-lock-actuator assembly is then stopped by the combination of the pilot plate, fiber disc, rear portion of the oiler, and, of course, the rear of the receiver.

What is important to understand here, is that the stopping contact is made by the rear face of the actuator, not by the rear face of the bolt. This is important because this focuses the entire rearward bolt force onto the pilot plate, onto the fiber disc, through the oiler metal and concentrates the force around the hole at the rear of the receiver that goes through the thick column area—the strongest part of the rear of the 28 receiver.

Next, the recoil spring decompresses and pushes the bolt-lock-actuator assembly forward. The bolt face feeds and chambers a new cartridge; the cartridge is ignited and the cycle continues again. When the bolt-lock-actuator assembly moves to its most forward position in the receiver, the moves down and slightly ahead at a rorward angle thereby moving the actuator forward within the bolt about 1/4 of an inch, to its most forward position in the

bolt. What is important to understand here, is that the cross bar of the lock contacts the front and rear of the slot in the actuator, moving the actuator forward and backward within the bolt, about a 1/4 of an inch, ing bolt cycling.

Lastly, it is important to understand, during bolt cycling, that the bolt stops forward with a "jar" against the abutment located at the forward end of the bolt channel, and stops rearward, also with a "jar," in the manner as described above. We probably don't give thought to these "jars" happening because the cycling process during firing is so swift and the noise of the fired cartridge masks the sound of the "jar." However, if you have ever let the bolt unit manually go forward under spring pressure with the chamber empty, you hear a rather loud jarring crash of metal on metal. The same jarring crash happens upon completion of the rearward bolt cycle when the rear face of the actuator hits the plate of a standard pilot. This is the reason why even an expertly suppressed Thompson still makes quite a racket.

I have had an excellent suppressor made for my Thompson from a Thompson barrel. It fits and functions in conjunction with the Quick-Change Barrel System I wrote about in a previous series of articles (MGN, June, July, Aug., 1990 issues.) Although one can certainly shoot a

pressed Thompson quite comfortably warmout ear protection, one is still surprised at the amount of noise it makes. It is the battering of metal on metal, forward and rearward, within the bolt channel. The importance of this will become clear further in this article.

Gunmachines Parts

Now for a review of Gunmachines Reliability parts in relation to the cracked receiver situation. Of all of the parts and kits that Gunmachines markets, only the following could have any bearing, even in theory, on the problem: 1.) The Reliability 1928 Telescoping Pilot (recoil spring guide) with its buffer pad; 2.) Reliability 1928 Recoil Springs; 3.) The Reliability Lugless Lock (H-Piece); 4.) The Reliability 1928 to 1921 Conversion Kit; and 5.) The Reliability 1928 Speed Bolt (lightened 1928 bolt).

The telescoping 28 Pilot and Buffer Pad is modeled after the military M1/M1A1 pilot and pad. It is designed to replace the standard 1928 pilot and fiber disc arrangement. It has a rod which protrudes from the main shaft of the pilot operated by spring

sure. It was designed to bridge the gap veen the rear of the bolt-actuator and the forward tip of the standard pilot, when the bolt is in its most forward position in the actuator. This gap or space, caused by the







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Gregory S. Latka PO Box 428, Dept MGN Jackson, Michigan 49204 517-784-2928 Fax 517-784-0344, use of a standard 1928 pilot, allows the recoil spring to bulge and kink causing malfunctions of the TSMG during cycling. The telescoping rod the GM pilot projects into the rear hole of the actuator when the bolt is in its most forward position and so the problem.

The use of the telescoping pilot is the single most effective cure for most TSMG functioning problems. In fact, the extra spring within the shaft of the pilot contributes a little to absorbing some of the force of the rearward bolt travel. Since I first became aware of the cracked receiver situation, I have had springs of greater tension installed in all 1928 telescoping pilots to provide more of a shock absorber effect. The buffer pad is not a solid metal plate, but rather a modified M1/M1A1 buffer pad which has a layer of synthetic hard rubberlike material sandwiched between two thin metal sheets. These metal sheets are malleable, and with the rubber-like material provide more of a cushion when contact is made by the rear of the actuator rather than the "jar" when hitting the plate of a standard pilot. The rear of the buffer pad has also been rounded to duplicate the circumference of the standard fiber disc and focuses the rearward force of the bolt-lockactuator assembly around the strongest area of the rear of the receiver in the same manner, as the fiber disc.

Of course, since a fiber disc is not with the telescoping pilot-buffer pad assembly the absorbing effect of the fiber disc is lost. However, if one understands the concept of the telescoping pilot and buffer pad, with the extra spring tension, etc., the entire unit certainly provides, at least, the same recoil absorbing effect as the fiber disc.

Gunmachines Reliability Recoil Springs duplicate the same dimension, tensions, coils per inch, etc. of a standard recoil spring for either the 1928 or M1/M1A1, except that the springs are closed-end, rather than spiral open-ended. This makes for a better fit and slightly contributes to a straight cycling of the bolt for reliability purposes. Another exception is that they come in four different lengths: 11", 11 1/2", 12", and 12 1/2". (Initially we also had a 10 1/4" spring to duplicate the original 1928 exact length dimension.) The reason for the four lengths was to slightly increase the cycle rate with each length spring by about 25 to 35 rpms per half inch. Also I had discovered through customer feed back, that for some unknown reason, yet to be analyzed, some 1928s just wo better with a particular length recoil spring as opposed to other lengths. The second reason is still valid, but as my readers who have been with me in the past know, I discovered with a PACT Timer, that can reliably measure cycle rates, that recoil spring length has no effect on cycle rate.

However, recoil spring length has a bearing on the cracked receiver problem. longer the spring, the more coils it has, and, therefore, the more energy is needed to compress it; which means that the longer the spring, the more it absorbs force from the rearward bolt travel and contributes to protecting the receiver. So I am now recommending the use of the longest recoil spring you can fit into the 1928 Thompson. Initially, the GM Telescoping pilot kit came with an 11 inch recoil spring. Now, they all come with a 12 inch recoil spring.

The Reliability Lugless Lock (H-piece)

Of all of the items that GM markets, the lugless lock raises the most questions and comments. Over the last six years I have gone through seven versions of the Reliability Lock. As many of my customers know I was never totally satisfied with them, until now with the Reliability Lock VII. Although some earlier versions left something to be desired cosmetically, and otherwise, the concept worked. If they broke, I replaced them at no charge. In fact, many Thompsons just will not cycle reliably no matter what you do to them, unless you use some version of a lugless lock.

All the new Reliability Lugless Lock Wildoes is securely hold the actuator all of ime, during a complete bolt cycle, in its most rearward position in the bolt. This guarantees that the rear of the actuator slightly protrudes from the rear bolt face and insures that the rear of the actuator only contacts the buffer pad or the buffer plate, and focuses the force around the strongest part of the rear of the 1928 receiver.

If someone were to use a standard lock with the lugs milled off alone, cycling would be fine from a reliability standpoint; but the heavy rear bottom and sides of the rear bolt face will hit the buffer pad or bufferplate tending to channel the force down and out to the rear lower corners of the 28 receiver —where the hairline cracks start to appear. Remember the description of what happens to the actuator and standard lock during bolt cycling: the lugs on the lock are moved by the slot and rails on the inside of the receiver which moves the actuator and holds securely the actuator forward and back in the bolt during bolt cycling. Without the lugs the actuator is moved inside the bolt during bolt cycling by inertia. Here is where the "jarring" effect comes into play again. The actuator slams

and forward within the bolt during cycling. The actuator being subjected to this, rather than moved by the combination of the lugs and rails, is under undue stress at the upper corners of the slot in which the

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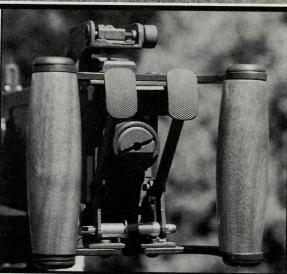


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VOICE OR FAX (203) 232-3336 lock rides. This I believe is one of the causes of actuators bending and breaking in these areas.

All versions of the GM Reliability Lugless locks have a large integral spacer taking the place of the cross-bar of a standard lock so that the actuator will not move at all within the bolt during bolt cycling and securely holds the actuator in its most rearward position so that the rear of the actuator, not the bolt, strikes the pad or pilot plate.

A final point about a lugless lock. My cycle-rate-timing tests have shown that the use of a lugless lock, all other things being equal, in a 1928 will increase the cycle rate by 50 or 60 rounds per minute. Since a standard 1928 TSMG will have a cycle rate in the 500 to 700 round per minute range, depending on the particular TSMG, I will leave it up to the readers to decide whether this slight increase in cycle rate may in some small way contribute to rear receiver hairline cracking. Original 1921 prototypes shot at 1500 rpm and the final 1921 and 800 to 900 rpm with a 1921/1928 receiver design. Further, if any sub-gun receiver, including a 1928 TSMG or a belt-feed receiver for that matter, cannot tolerate a 50 to 60 rpm cycle rate increase, which could be caused by ammunition variances alone, something is inherently wrong with the design of the receiver.

The Reliability 1928 to 1921 Conversion Kit

The kit with a Gunmachines 1921 actuator and 21 type pilot with pad duplicates the cycle rate of a 1921 in a 1928 TSMG. Since the original Colt was a 1921, and the weight of the bolt-lock-actuator assembly is the same with the conversion kit as it is with an original 1921, the rear of the receiver would not be subject to any difference in stress.

The 1928 Speed Bolt.

The 1928 bolt is lightened by about 1/3 its weight so that, when used with a 1928 actuator, the total bolt-lock-actuator assembly duplicates the weight of a 1921 bolt-lock actuator assembly. Once again, the rear of the 1928 receiver would not be subject to any more stress than an original 1921 set-up.

This is the longest single article I have written for this column and I appreciate my readers bearing with me for the tedious technical descriptions. There are exceptions to every rule, but I have concluded that the cracked receiver problem is the result of the 1928 TSMG being shot at and beyond its inherent design life. Fortunately, with a proper weld, it will keep on shooting.

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N	Sear, New \$ 12.00	Winter Trigger \$	7.00 Bolt	, New Complete, Colt . Carrier, New Stripped	\$ 50.00	H
ES	100 Rd Assault Pack \$ 22.00	M203	Bott	Carrier, New Stripped	\$ 5.00	
S	Top Cover, New Complete \$ 250.00	Forearm, New \$ 2	5.00 Ing	ger Guard, Metal		
1	Feed Tray Hanger \$ 35.00	Quandrant Sight, New Complete	Mag	r, New G.I		-
M	Combo Wrench with Reamer\$ 8.00	Complete	90.00 Sea		4 10.0	
	Receiver Brush \$ 5.00	Front Sight, New Complete .\$ 4	15.00 A-2	Buttstock, New,	\$ 25 m	-
G	Barrel, Stripped \$ 115.00	Barrel, New Stripped \$ 10	10.00 A 2	Handguards, (Round),	Ψ 25.00	
A	Bipod Assembly \$ 80.00	Extractor, New	15.00 A-2	ew	\$ 25.00	A Z
Z	Hanger, E-3 \$ 65.00	Sear, New	25.00 NO	Handguards, (Triangle)	Ψ 25.00	
Ī	M-79	Trigger, New	00.00 A-2	cellent	\$ 15.00	
N	Extractor, New \$ 50.00	Followers, New	05.00 A 2	Pistol Grip, New	The state of the s	N N
AGAN-NES! M	Firing Pin, New \$ 8.00	Safety, New		fer, New, G.l.		
S	Walnut Buttstock with Recoil			A-2 G.I. Heavy Barrel,	Ψ 15.00	-
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M	Rear Sight, Demilled, cut	Rear Sight, Exc. Complete .\$ 7		rrel Assembly, standard		IV
Δ	one time in frame. All other	Bolt, Complete New \$ 17		", G.I., Chromed lined .	\$ 85.00	A
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7	Complete Rear Sight, New . \$ 250.00	Bolt Latch Release, New	25.00 Bo	rrel, Chrome Lined, G.I.	\$ 80.00	
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20	Miscellaneous Thompson Barrel, New	Bolt, 30-06 or 308, New Stripped \$ 8	80 00 On	-Rod, New	\$ 75.00	8
ĭ	Finned \$ 90.00	Bolt, M-37 New Stripped\$	60.00 Ha	mmer, H&R	\$ 25.00	1
M	M-3 Grease Gun Barrel, New\$ 80.00	Sear, New\$	10.00 Fro	ont Sight, N.M.	\$ 12.00	1
	M-3A1 Grease Gun Bolt,	Trigger		ar Sight Base, N.M	\$ 35.00	
AGAZI	New Stripped \$ 60.00	.308 Front & Rear Spacers,	Re	ar Sight Aperature, N.M.	\$ 25.00	
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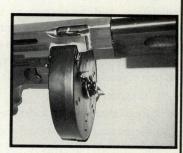
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The Forms

by DAN SHEA

An interesting note about drop-in auto sears, either the HK, AR, AUG, or FNC. The sear itself does not require a Form 4473 to be filled out when the individual purchasing it comes to take possession. These are not "Firearms" under Title I of the Gun Control Act of 1968, because they do not expel a projectile. They require the tax under Title II, so a Form 4 tax paid must be approved before the individual may take possession, but no 4473. If there is a firearm with the sear, the 4473 must be filled out for the firearm.

The change in status that I reported last month regarding the classification of Pre-May 1986 law enforcement machine guns still in the possession of law enforcement to a 922.0 status, has been sent back to judicial committee for review. After we had gone to print, I had a conversation with Washington where they told me that there was some question as to the constitutionality of that change. C'mon, guys, when has that stopped a restriction of our Second Amendment Rights before? I view this as a good sign.

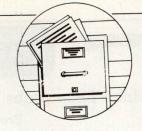
Several quick takes on Assault Weapon legislation, and magazines as firearms. First—the United States Government has certain powers enumerated in the Constitution. The basic three that have been used in the past regarding firearms legislation are:

- 1. Taxation
- 2. Regulating interstate commerce
- 3. Regulating international commerce

The National Firearms Act of 1934 was the result of the anti-Second Amendment rights crowd trying to totally ban the ownership of machine guns, silencers, sawed off shotguns and rifles, and the Any Other Weapon category. When Congress attempted this, the Supreme Court and the Attorney General informed Congress that they were overstepping their authority. These were legal scholars who fully understood the mechanisms of our government, including the loopholes. They advised, however, that if they TAXED said firearms, it would be perfectly allowable to keep a registry of the owners for tax purposes only. That is why NFA Registry information is so

closely guarded—it is special tax info, and as such may not be used for any other purpose. There have been many confrontations between government people who have tried to use this information for other purposes and pro-firearms rights lawyers. The government has always lost, and the BATF employees are acutely aware of their personal criminal liability if they misuse this information.

The second most prominent piece of legislation is the Gun Control Act of 1968 (GCA-68). Carrying the momentum of vocal public opinion after several high profile assassinations in our country, Congress attempted to ram a series of gun bans into effect. As the hearings progressed, they were once again reminded where their powers lay, and where they do not. Using the regulation of interstate and foreign commerce as a base for the GCA-68, Congress developed a series of laws regarding interstate commerce that forbade private citizens mailing firearms across state lines, and restricted those firearms that entered the country to "sporting purposes." It is much more involved than that, but you can get the general idea from the above statement. Much ado was made about "ending crime." Crime has only gotten worse. Much was said that would lead an observer to believe that American citizens would not be inconvenienced in the slightest. Instead, a massive bureaucracy sprang up around the GCA-68, with periods that have been a virtual reign of terror for gun owners. The Carter years come to mind. If you don't know what happened, ask some of the older FFL holders. (An interesting note here is that the Clinton administration is trying to have BATF take all of the out-of-business records of firearms dealers and computerize them. These records have been accumulating since 1968, added to every time a dealer goes out of business. It was an express condition of the GCA-68 that these records could never be used to create a National Gun Registry, as the records were only related to interstate transportation and tax collection. A National Registry would be a blatant violation of the Con-



stitution. Maybe we should force an amendment to the "Crime Package" that all out of business dealer records should be destroyed. It would certainly stop one crime—our Chief Socialist would have his national gun owner list trashed.)

In 1986 the Mclure-Volkmer Firearms Owners Protection Act was passed through Congress and signed by President Reagan. MV-86 guaranteed your right to pass through an area that had restrictive firearms laws, with your firearms, unmolested by the local law enforcement. Provided that you were legal where you started, and where you were going, and that the firearms were cased, locked up and unloaded. It also got rid of the ridiculous requirement to sign for ammunition when you bought it. The anti-firearms rights Congressmen screamed bloody murder about that one, but, when confronted with the fact that there was not a single instance of any of those millions of ammunition signat leading to a single arrest or solving a s. crime, they had to shut up. Eighteen years of record keeping on ammunition sales not helping a single arrest! Typically impotent liberal crap. Good riddance to bad baggage on that one. I've always fantasized that some "friend of the earthworm" went berserk at the waste of paper exhibited here, and proceeded to lead a group of drooling liberal Congressmen in a tree-hugging orgy, so they could justify the loss of the ammunition signatures as their effort to save a tree. (Well, that's the kind of logic we hear every day from the Metzenbaums, Brady's and Clintons of the world-don't blame me for pointing it out!)

In MV-86 is the infamous 922.0 provision that calls for the ban on the manufacture of machine guns for private ownership. This is totally out in left field as far as the authority of the Federal Government is concerned. Remember, they can tax, or restrict interstate and foreign commerce. Those powers are not supposed to be used to interfere with any of the rights enumerated in the Bill of Rights of Constitution, but they are, as I've previously explained, used to circumvent

them. In the absence of a Constitutional Challenge of these laws, we have had to live with them. 922.0 HAS been challenged and RULED AGAINST in three separate

District Court rulings. I actually have a letter from BATF stating that, although these District Courts have ruled 922.0 unconstitutional because it exceeds Congress's authority when they no longer collect the tax, BATF feels that some other court may view it differently, so, they will continue to enforce it.

Disturbingly enough, President Bush's Executive Order banning the importation of certain types of "Assault Rifles," and President Clinton's doing the same to "Assault Pistols" are pretty much within their authority, absent a court finding that they specifically interfere with the "right to keep and bear arms." When the discussion is about the real Second Amendment, there is no question that all of these laws and orders are instituted for that very purpose. When the discussion is allowed to skirt some "sporting, hunting, and protecting yourself" crap, we lose every time. Unfortunately, that is where the Media is keeping the focus.

Now that we have established a basic understanding of what can and cannot be done, let's review the laws under consideration. The "Brady Bill" is, aside from all of its rhetoric, simply a regulation governing the transfer of property by a federally licensed merchant. These firearms are transported in interstate and foreign commerce, and the Federal government claims jurisdiction. The provisions of "Brady" do not apply to sales between non-licensees, but are a restriction on what an FFL holder may or may not do. On the face of it, "Brady" is within the authority of the Federal government. Since it is being used to subvert the American citizen's Second Amendment Right to Keep and Bear Arms, it is unconstitutional. It's a tough one to prove, and the courts may rule that there has to be some leeway for the publics safety, if we can ever get them to look at "Brady." Look at the track record on overturning the NFA-34 and GCA-68, which are within the Federal government's powers, but are also clearly designed to subvert the Second Amendment.

Now let's look at a different sort of animal-the Assault Weapon Ban. Remember, no one's trying to take a firearm or

magazine that you own, they are just banning the importation and manufacture for private ownership of specific firearms and magazines over 10-round capacity. Why, that is exactly what was done to machine guns in MV-86, isn't it? Yup. And, you may remember being told that it was just the first of many bans. Believe it now? Let your friends, who aren't worried about their guns, read this article. The ban is one hundred percent unconstitutional, and totally exceeds the authority of the United States Government. It is an impediment to manufacturing and interstate commerce, and collects no tax. If you make a firearm from the ban after the bill is signed, you will become a felon. If you make the same firearm for your own personal defense, as a member of the unorganized militia, you will still be a felon. This is a clear violation of constitutional rights. Because there has been no Supreme Court challenge of 922.0, our happy lawmakers in D.C. have a precedent for banning the further manufacture of groups of firearms for personal use.

Congress would be within its authority to impose a tax on the dreaded "Assault Rifles," keeping a registry as a part of tax collection, as long as it was not an impedi-

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ment to our constitutional rights. If they are serious about tracking these firearms, it is the smartest way to handle it. I don't advocate it, I am only trying to educate our 18,000 readers to what the realities are. Tell the truth to the people you speak with. We need to have a constitutional challenge in front of the Supreme Court. It needs to force the Court to take a stand on what the Second Amendment means. I feel confident that we would win, and that we can stop the erosion of our God-given and Constitutionally guaranteed Rights. We Free Americans are not the criminal threat in this country, and we should not be treated as if we are. We are the last check in the system of checks and balances that is our government, as our being armed is the last line of defense against anarchy or tyranny, from within or without. The Washington Socialists fear that, and it seems that the rest of our duly-elected representatives have forgotten it. Remind them where their authority comes from with letters and calls, and feel free to use the info in MGN as you

Should we lose such a confrontation, and the Supreme Court neuters the Second Amendment, or trashes it as dated and representing another antique time, not relevant today, perhaps it would be for the best. This would sting the sensibilities of most Americans, and drive them to quick action. Perhaps a "march on Washington" of millions of angry patriots would put the fear of God and the American fighting man back into these bureaucrats. It would certainly "expose the serpent's lie" that the anti-Second Amendment crowd has been whispering into the public ear for fifty years, that they are just trying to "stop crime."

I feel there should be only one firearms law, and that is; "If you commit a violent crime with a firearm, there is a mandatory 20 year jail sentence." No bargaining, no parole.

Q An interesting item was found by a friend of mine and I thought you may be able to identify who manufactured it and what it might have been used for. It appears to be a pen-shaped tear gas gun. It is aluminum, has a cocking lever and has a removable tip where the projectile (tear gas) would be inserted. It is marked "TEAR GAS 1969" on the removable tip. The tip also has a steel sleeve in which a standard .22LR case will fit. Is this a AOW and could it be modified to shoot .22LR?

A BATF Technology Branch has ruled that these are "Any Other Weapons" even without a bullet-firing barrel, especially if they have the tips that bullets drop into. There are hundreds of thousands of them out there that were either tear gas launchers or flare launchers. Some were in quite elaborate packages with different flares and tear gas capsules. There were quite a variety of manufacturers. Most are unmarked. Some actually had bullet-firing barrels in the kits. Most have been converted to .25 acp or .32 acp, because the firing mechanism is centerfire, and .22 rimfire requires an offset firing pin. (.32 is a little too powerful for my taste, when we are talking about that aluminum receiver.) If you are going to have the capability to fire this with any round of ammunition, it must be registered as an AOW first, using a Form 1 \$200 tax paid if you are an individual, or a Form 2 if you are a Class 2 (subsequent transfers at \$5 ea). There is the possibility that you could be prosecuted for registering this "Pen gun" instead of turning it in. The act of registering it, before you make the barrel, should show that you did not have any criminal intent, as a matter of fact you were trying to bring yourself into compliance with a very confusing and arcane regulation. It is only one of many pen flares that can be construed to be a firearm before a special barrel is manufactured. That is if they can be readily restored to fire a bullet (in the case of AOW's this includes black powder). If you can, with normal household tools including drills and a Dremel, make a barrel out of the shell casing. It's a fair bet that the original pen flare is one that should be turned in. If you need a lathe or milling machine, it's probably not.

Q Could you do an article as soon as possible to explain the recent ATF ruling to us FFL dealers on the sales of SKS rifles with attached bayonets.

We have heard many rumors, but no official word from the ATF yet, that it is illegal to sell SKS's with the bayonets attached. Even though they have already been approved for importation for years from China by the ATF (last estimate about 4 million).

Now all of a sudden they have flip flopped and said no? What about SKS's already here and in our possession? Is there a cut-off date?

With your knowledge and contacts you could advise us or at least give us a direction. We did not want to contact ATF

ourselves because of the conflicting answers you can sometimes receive from them.

> Sincerely, Michael T.

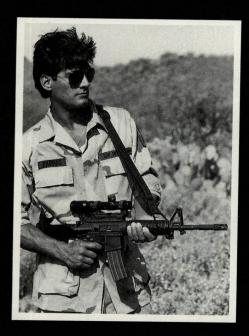
A Another booby trap here, guys. It's also a time bomb. How many of you have been buying the SKS rifles from the distributors, then installing the bayonet that comes tied to it? Or selling a rifle with a separate bayonet and not telling the customer he can't install the bayonet on a Post-91 SKS? BATF is busy running around to the distributors making sure that they are not selling dealers both the bayonet and rifle. These rifles were allowed in the country as "sporting purpose" as long as they did not have bayonets on them. This was supposed to mean that you couldn't attach one later, either.

One of the really interesting notes here is that some BATF agents have been making private, illegal lists of "Assault Rifle" purchasers, including these dreaded SKS's. I have wondered if they are going to start showing up on everyone's doorstep and trying to confiscate those (4 million) SKS's. Fat chance. I wonder how BATF is going to even begin to supervise the Brady Bill waiting period as it is instituted 280,000 FFL holders. If they have 2 field agents, and 600 examiners, how can they conceivably control the Brady Bill provisions, AND chase 4 million SKS's? Are these same agents also working Tobacco and Alcohol? Somebody better lighten up. Even if they tripled the force, it's a Herculean task just to perform a regular BATF job, let alone some of the crusaders' private projects.

Another interesting note: as written, the "Assault Rifle Ban" doesn't even include these dreaded SKS rifles—It's true—even though a box magazine will attach, a rifle must meet two other criteria out of the following: telescoping or folding stock, bayonet lug, grenade launcher, flash hider, threaded barrel (muzzle), or pistol grip below the stock, and they are not clones of any of the specifically named banned rifles. MAK-90's however, even though they have been "spayed" of all offending features, are still a clone of a firearm on the list, so "bye-bye" to those cheap AK's.

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

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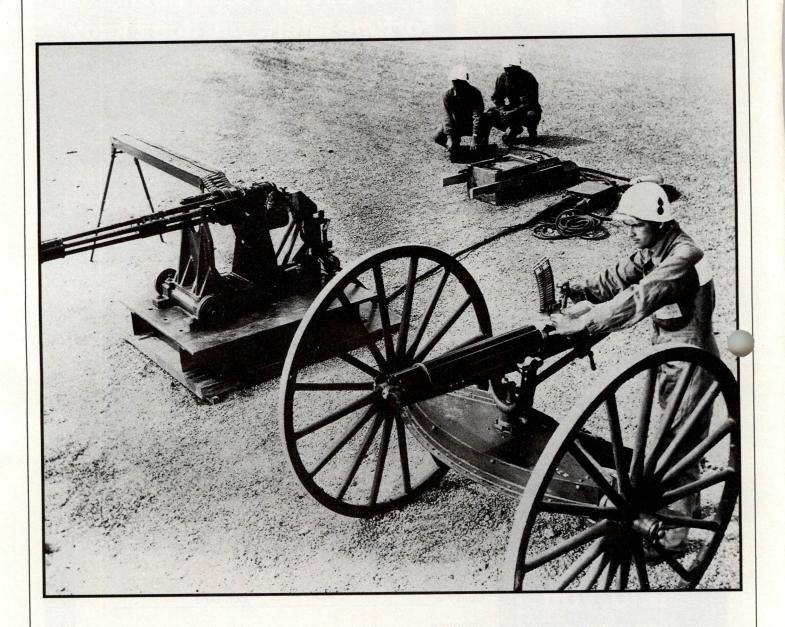
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Archive Photo of the Month

From the Robert Bruce Collection



ABERDEEN PROVING GROUND, MD. August, 1956. On the left is the new 20mm "VULCAN" machine gun mounted on a test stand. To the right is an original Gatling Gun brought out of retirement from the Aberdeen Ordnance Museum. This photo is one of a series documenting a special public demonstration of the awesome "new" VULCAN being developed for air and ground use. It is an up-engineered version of Dr. Richard Gatling's 1860's vintage hand-cranked multi-barrel machine gun. Credit: U.S. Army Signal Corps/National Archives. Copyright © 1994 ROBERT BRUCE PHOTOGRAPHY. Editor's Note: Robert regrets that he cannot handle individual requests for photographs. However, publishers and documentary filmmakers, etc. are encouraged to contact him for information on use of archive images. Send a self-addressed stamped envelope and details on intended use to ROBERT BRUCE PHOTOGRAPHY, P.O. Box 482 MGN, Sandston, VA 23150.

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MACHINE GUN TRADING CARDS - A super way to collect photos and information about machine guns. Limited edition prints only \$3.00 per volume of 6 cards. Six different volumes for more information see page 6 in this issue.

Texas transfers Class III for qualified individuals. All NFA rules apply. Skotz Ordnance Services, Austin, Texas (512) 250-5050 Tuesday-Friday (xmay)

Furr Arms Co. 1893 police model Gatling .22 short new & unfired \$4000 (904) 388-1200 9-5pm EST (xjan)

Wanted: Original Bayonet attachment and handguard as found on World War I and II Winchester M-97 and M-12 12 gauge trench guns. Call John at (205) 270-9975 after 6:00 pm Central Time. (xbjan)

Sterling MK-6 exc + \$2750./PPS-43 \$2450./ZB-26 Chinese 8mm w/extras \$3650. (904) 388-1200 Tom 9-5pm EST NFA rules apply (xjan)

MG belt linkers - M60 and others \$140 small, \$220 large. Cloth belt linkers \$125. .308 conversions \$35. Freight please. Hahn Machine, 3101 Sussex, St. Charles, MO 63301. (314)-946-9567 (jul94)

Your questions will be answered with the Machine Gun Dealers Bible: Getting a license, understanding paper work & legalities, etc. Available to all. Further information inside protective cover.

Heckler & Koch MP5K-PDW new, unfired, transferable with original HK threaded 3-lug barrel and folding stock \$3295. Steyr AUG Green 20" Semi, NIB \$2450. HK 93 mint condition collapsible stock \$1495. Bruce Nelson (602) 825-9047. (xfeb)

Wanted: HK 53A3 machine gun. Must be pre-86 Dealer Sample of original German Mfg. and in 100% NIB condition (HK Chantilly import if possible). Call or write RW Gruetzmacher, Wolfgang Enterprises, PO Box 549, Alvin, TX 77512. (713) 585-8550 after 6pm. CDT or leave message. (xfeb)

Collection for sale: All machine guns are NEW IN BOX or MINT condition. Pre-86 Dealer Samples, Call for pricing list. Serious inquires only. Call day (203) 350-3371, fax (203) 350-3381 (xmay)

British Ferret scout cars, armored vehicle, street legal! Stops traffic, turns heads! Turret holds BMG 1919A4, periscopes, have several \$9500 up. Call-ask? Free photo/SASE. Photo/literature package \$8; book \$11. MG trades? Wanted: Sterling L2A3, M60, 37mm towed gun. (410) 276-7041 evenings. WWII Weasel (track) \$3300. (xmar)

Factory Colt 9mm 32 and 20 round mags, factory Colt 223 30 rd mags, factory Ruger 30 rd mags, Mac Stingers, Colt 9mm SMG with drop in auto sear, AO Thompson 1928, HK MP5A3, Select Fire Beretta BM-59 Nigerian, Steyr aug black 16", HK 93&91, Ithaca, Stakeout, Mac-10 45 & 9mm original PS. Everything in this ad is NIB or mint. All NFA rules apply Keith (503) 663-1082 (xjan)

Machine Gun list/ Send SASE for list of transferable & Pre-May sample guns T. Fort, PO Box 7447, Jacksonville, FL 32210 (xjan)

PA Residents: Machine Guns and Suppressors are still legal for individuals to own. Stocking AWC products, HK, Thompsons, AUG's, UZI's, Sten's, MAC's and more. For all your Class 3 needs call JONES GUN SHOP (215) 433-7073 (xapr94)

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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)

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Automatics: Pre-May DS: Steyr 69 mint \$1499. Steyr 81 mint \$1499. HKMP5 A2 vg \$2399. HK33 A3 vg \$2299. HK93 A2 mint \$2499. HK93 A3 mint \$2699. Mini-Uzi exc. \$2199. Transferables: HKMP5 A3 unfired reg. rec. \$4995. HK93 A2 reg. rec. \$2399. HKMP5K PDW (S&H) NIB \$3199. HKMP5 (S&H) NIB \$2895. Amer 180 unfired reg. rec. \$2399. Mini-Uzi reg. rec. \$2995. Call John (904) 854-5175

DALLAS COUNTY Texas Class III stocking dealer; buying/selling/transfers to law enforcement, federally qualified individuals and dealers. All NFA rules apply. Call Chuck (214) 226-9137. (xnov94)

3 Lug Barrel for MP5 \$150; Uzi 45 cal magazines \$25; Colt 9mm CAR-15 green label, bayonet lug with (6) 32rd magazines and (2) 15rd magazines \$950; Olympic Armore CAR-AR A2 \$60; M. O rounder for AR-15 .223 \$40. Eves and Wkends (313) 664-9852

Pre May Dealer Samples: Madsen 50 30-06 LMG w/tripods 2 guns complete \$1750 ea./Mauser Schnellfuer \$1750/ Madsen 50 9mm \$800/ Browning 37 Saco-Lowell exc + \$2650 (904) 388-1200 9-5pm EST NFA rules apply (xjan)

H&K MP5K/SP89 with paddle mag and K grip \$2800. H&K MP5K-PDW with paddle mag, K grip, threaded barrel, and folding stock \$3300. R&R Enterprises (410) 437-2507.

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Valmet 78 7.62x39, Comstock milled trigger pack, \$2350. MP5 Mint, consider best offer, American 180s Pre 86, keepers, \$900. 55 Boyes very clean, \$2200. Uzi bolts carb \$600. 45 ACPs \$700. Mini CB \$800. M-2 carb \$825. Many other Class 3s. Will consider some trade-ins, assault rifles or handguns as partial. Wanted: Barrett 82A1 and sniper rifle. Many other Class 3s available NFA Rules Apply. Harley (602) 943-1163 (x)

New Colt 1-7, 5.56 NATO bbls, \$100 ea.; M16 Gl carriers, \$40 ea.; M60 bbl. assy's nice, \$175; M60 parts, new, call, M2 parts & bbls, E3 parts kits call; Minimi 249 parts, new bbls, \$300 ea.; new 45 slides \$75 ea; 92F mags, new, \$12 ea; used 30 rd. Gl mag., \$3 ea.; Contact: Patrick Mc-Kinney, Cal. 714-956-7566, Ky. 502-538-3625. (xbjan)

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Machine Guns1. 1919 Tippmann 1/2 scale NIB (original Tippmann) not a Vollmer gun. \$2200 2. AK47 ANIB fixed stock Norinco registered receiver. \$2100 3. AR-18 w/scope 97% extra new mags available also scope is correct for gun. \$1900. 4. H&R M50 commercial 99% \$575. 5. FN-G1 DS 1958 model w/bipod and flash hider 98% w/extra mags \$2100. 6. FNC reg. receiver w/3 shot ANIB. \$1800. 7. HK MP5K reg. receiver made from 94 does not need an auto sear has one new. \$2300 w/sear \$2600 w/o. 8. M-60 post may as new \$2100. 9. MP44 exceptional gun 99+% guaranteed unfired since WW2 ammo avail. \$3200 10. GISS M-16 receiver call for details. \$1100. 11. S&W 76 ex. cond. extra mags avail \$1500 12. MP5A3 post may as new \$975 13. HK33 post may as new \$975. 14. MP5SD post may as new \$1600. Joe 1-800-678-4515, 612-784-1888, or 786-2400 (xfeb)

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

Minimi 249 .223 MG spare parts new barrels latest update parts for new configuration. Also buying 249 parts new or used. 249 tripod T&E adapter \$150 ea. Contact Patrick McKinney at CA (714) 956-7566 or KY (502) 538-3625 (xbjan)

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Silencer Bodys, less wipes. Fifteen fully machined registered silencer bodys, complete with muzzle end threaded 7/16" for the gun, in the white. All same size 1-inch dia. by 5.0 long designed for .22 to .32 cal. rifle or pistol. In lots of five or more at \$425 for five, or \$1150 for all fifteen. Curtis Earl, 5512 North Sixth St, Phoenix, AZ 85012 (602) 264-3166 (xapr)

C&R: 1919A4 Saginaw, .30-06, exc/new-\$4500; ANM2 Buffalo, .30-06, exc w/linker \$3250; Mauser 712, #5803, appears unfired, 99% condition w/exc + logo stock, exceptional \$6500; Transferable: 1919A4 Springfield Arms, w/original GM sideplate, .30/.308 w/tripod, exc. \$2500; 1917WC Westinghouse, early DLO, blued, w/1918 tripod, .30-06, as new \$4000; M-60 receiver gauge, new \$110; Bren tripod, MKII, exc, \$150; MG-3, conversion kit, w/chest, tools, bag, 500 supp. chambers, clips and links and one belt, exc \$850; Mauser 712 stock, exc \$750; .303 API, K5, BVIIZ blue tip, 1248 rnd sealed case, 100%, \$550; .30-06 API, FA 46, silver tip, 20rd box, new, sealed \$75; Offers/trades on all above, keep this ad; NFA rules apply; seeking C&R AK-47, SG43 Gory, RPD: Black River Militaria, PO 471, Cavendish, VT 05142, (802) 226-7204; Class III transfers for VT residents. (xmar)

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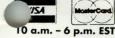
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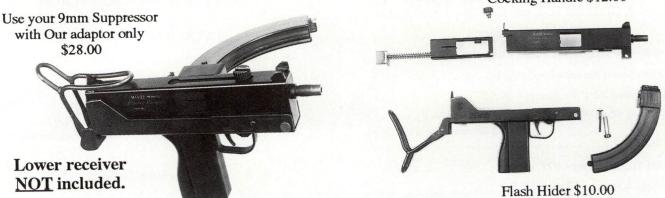
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