

Machine Gun News



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Specify if your receiver has the AR15 two piece or M16 push type
hinge pin and if barrel is rifle or carbine length

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

Advertising rates

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

Contributions

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

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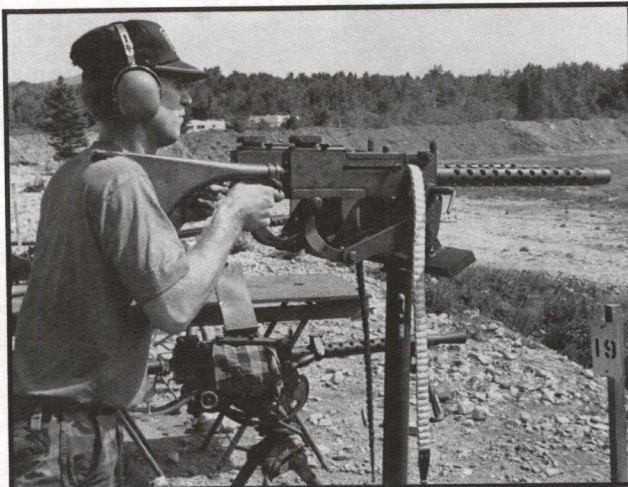
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THE MAGAZINE FOR FULL-AUTO ENTHUSIASTS MACHINE GUN N E W S

Volume 5 Number 9

February 1992



Page 22

Features

The Mini Uzi	12
By Al Paulson	
Tracer	18
By Chris A. Choat	
The North Country Shoot	22
By Dick Morin	
A New Understanding	24
By Paul Craven	
The Caveman Exposed	25
By Jim Ballou	
SCRC Mark 25 and Mark 25A Suppressors	26
By Al Paulson	
SKS	30
By Mike Shuffield	

Departments

Raffica	8
What's New	10
Tinkering With Thompsons	34
The Forms	38
Archive Photo Of the Month	36

On the Cover: Jim Ballou firing Ciener's Mini Gun at the North Country Shoot.

Photo: Patricia Sheehan.

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One-year subscription (12 Issues) are available for \$34.95 Canadian \$49.95 Foreign POR. Subscription rate is subject to change without notice. Machine Gun News does not endorse the merits of any product or service advertised or included in any article. Opinions expressed are solely those of the writers. In addition although we assume all NFA (act) weapons that are advertised in Machine Gun News are BATF approved and transferable, it is up to the dealer and individual to comply with the NFA (act) rules and federal requirements and we assume no responsibility. We do not accept ads that offer plans for conversion of semi-auto firearms to full auto or diagrams. We welcome comments and letters about any of the articles, products or services appearing in our magazine.

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Class 3 Machine Guns - All NFA Rules apply. Transferable items unless noted otherwise.

M60 Maremont, New England, NIB	\$8,900.00	M10 Para Carbine Wood Front Stock	\$ 650.00	Colt 1921/28 85-87% Sharp blue	\$3,900.00
M60 Maremont, Saco Lower, NIB	\$8,500.00	M11 RPB .380 Like New	\$ 625.00	Colt 1921 AC Exc 93%-95% Very nice	\$5,400.00
M60 Maremont, New England, 99% 2 Bbl	\$8,600.00	M11 RPB .380 Exc. 98%	\$ 550.00	Colt 1921 92%-93% Super buy	\$4,700.00
M60 Maremont, Exc. to like new	\$7,900.00	M11 SWD .380 Exc.	\$ 495.00	Colt 1921 AC 85%-87% Nice gun	\$4,300.00
M60 Maremont, Reweld V.G.+ (Well done)	\$4,200.00	M11 Mac/RPB PS .380 Exc.	\$ 650.00	Ruger KAC556 Stainless Exc.	\$1,295.00
M60 RIA, New or As New	\$5,900.00	M11 SWD .380 Like New	\$ 550.00	Ruger KAC556 Blue Exc.	\$ 995.00
M60 RIA, Exc., several in stock	\$5,200.00	M10 Mac 90% 45 Cal	\$ 400.00	Ruger AC556 Wood Stocks Exc.	\$ 795.00
Ramo 50 Cal., NIB w/ Spare Bbl.	\$5,500.00	M10 RPB 98% 45 Cal	\$ 450.00	Model 6 Police Org. Police cased	\$1,095.00
E.R. Maples 50 Cal. W/Spare Bbl.	\$4,900.00	M10 RPB 95% 9mm	\$ 550.00	Model 6 Southern Ord. #103 VG	\$ 695.00
Inland Arms 1919, A4, Exc.	\$2,175.00	M10 MAC PS 95%	\$ 550.00	Voere 22LR Klenguenther by SWD	\$ 695.00
CATCO 1919 Side Plates, new	\$1,195.00	M10 MAC PS Threaded 90% 45 Cal.	\$ 500.00	Model 2 30 Cal. Cristobla, Pre-May DS	\$ 975.00
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Micro UZI conversion, 9mm, Exc.+	\$1,900.00	MAC 10 Powder Springs .45 NIB	\$ 795.00	Plainfield M2 Carbine w/Launcher, V.G.	\$ 795.00
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UZI Conversions, Exc. or better, 9mm	\$1,295.00	SWD Mac in .380 NIB	\$ 650.00	MP44 7.63 #8841 V.G. Dewat Welded DS	\$1,775.00
Micro UZI Billistics w/stock Exc.	\$1,995.00	Springfield BM59 NIB	\$2,295.00	Madsen 1950, #0087, 30.06 Cal.,	
FN L1A1 Australian .308, V.G.+, Rare	\$2,195.00	Star Model Z-63 NIB Pre May DS	\$1,200.00	Pre-May DS	\$1,595.00
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FN .308 Match, Conversion, Exc.	\$2,000.00	Colt M16A2 Commando, NIB 100% SALE	\$4,200.00	Cetme Ameli, Post-May DS NIB	\$3,350.00
Springfield M1A .308, Exc.	\$1,700.00	Colt M16A1, NIB 100%	\$2,500.00	MP40 German, Pre-May DS, Exc.	\$1,100.00
ALLTECH MP5 A2 Basic Resg. Rec.	\$2,495.00	Colt M16A1, Like New 95% guns	\$2,095.00	MP40 German, Nice, V.G. and better	\$1,885.00
S&H 53 A2 SEF/Mag Sear	\$2,095.00	Colt M16A1, Exc. or Better	\$1,895.00	MP40 German, Exc. Matching, 85%+	\$2,800.00
MP5A2 SEF MG Resg. Rec. Vollmer	\$3,300.00	Colt M16A1, Carbine, Exc. or better	\$2,095.00	Mauser 1932 7.63 90% Pre May DS	\$1,200.00
MP5K AR3 Shot Resg. Rec. Vollmer	\$3,000.00	Colt M16A1 HBAR, NIB 100%	\$2,995.00	Mauser 1932 7.63 85% W/Stock Pre DS	\$1,295.00
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MP5 A3 MG Resg. Rec W/3 Shot	\$3,500.00	Colt M16A2 XM4 w/M203, Abu Dhabi, 99%	\$7,900.00	Smith M14 .308, Exc.	\$1,695.00
HK MP5 A3 W/3 Shot. Pre May DS Exc.	\$2,495.00	Colt CAR-15 M2 HBAR .223, Belt Feed, Exc.	\$8,600.00	Springfield M1A .308 w/Bipod	\$1,895.00
HK MP5 SEF SD A2 Pre May DS	\$3,200.00	Colt CAR-15 .223 Submachine gun, Exc.	\$6,900.00	SAR 48 .308 w/Bipod, HTA Conversion	\$2,095.00
HK MP5 A2 pre May DS New finish	\$2,150.00	Colt CAR-15 Survival rifle, Exc.	\$4,500.00	Steyr Aug Conversion, Exc.	\$2,485.00
Fleming G3 A2 Exc. Resg. Rec.	\$1,795.00	Colt AR-15 Model 05B w/4 Position	\$6,400.00	Smith & Wesson 76, 9mm Exc. or better	\$1,095.00
Model 21 Resg Rec. SEF Vollmer Mfg	\$3,895.00	(Above 5 Colts are all Colt tool room experimentals.)		American 180 22LR 95%	\$1,600.00
Model 21 Resg MG Rec 3 Shot Vlm Mft	\$4,795.00	Colt AR-15, 9mm, HTA, like new	\$2,500.00	American 180 22LR W/Laser	\$2,300.00
Chinese AK47 Org Pre May DS VG	\$1,995.00	Savage 1928A1, Plain Bbl, 95%	\$3,200.00	American 180 LR Early Pre May DS	\$1,400.00
Valmet 78 in .308 New	\$1,800.00	Colt 1921/28 Exc 93%-95% Great gun	\$4,900.00	American 180 Cased w/Laser Sp Ed	\$3,500.00
M20 A1 Para Carbine Mac w/Stock	\$ 795.00	Colt 1921/28 90%-93% Super buy	\$4,300.00		

Thompson Machine Guns

All NFA Rules apply to sales.

Model	Sn	Pivot Area Wear On:	Grip	Actuator Wear On:	Muzzle	Blue	Additional Information	
1921/8	10723	Light	Brown	Moderate	Brown/White	90%	Receiver old re-Blue. Nice finish.	\$4600.00
1921AC	1743	Light	Blue/Grey	Moderate	Blue	85%	Light fine scratches few areas	\$4400.00
1921AC	4950	Light	Blue/Brown	Light	Grey	90%	Slight edge wear. Few Light spots in finish.	\$4750.00
1921AC	5579	Perfect	Blue/Brown	Very Light	Blue	92%+	Slight browning on lower edge & grip area.	\$5300.00
1921AC	5715	Scratch	Brown	Moderate	Grey/Brown	90%	Slight browning on lower edge & grip.	\$4600.00
1921AC	6061	Perfect	Blue/Brown	Very Light	Grey	95%	Exceptional gun.	\$7100.00
1921AC	6501	Light	Brown/White	Light	Blue	93%+	Very light lower receiver edge wear.	\$5500.00
1921AC	6810	Perfect	Blue/Grey	Light	Blue	93%	Few light stains in blue. Very nice.	\$5400.00
1921AC	6814	Perfect	Blue	Light	Grey	92%	Slight few scratches. Colt re-barreled	\$5200.00
1921AC	6970	Perfect	Blue	Very Light	Blue	95%	Some very minor staining of blue. Very nice.	\$7000.00
1921AC	7148	Perfect	Grey	Light	Grey	92%	Very slight lower receiver wear.	\$5400.00
1921AC	7167	Perfect	Blue	Light	Blue	95%	Very slight lower receiver edge wear	\$7000.00
1921AC	8176	Perfect	Brown	Very Light	Blue	93%	Light brown on lower receiver edge	\$5300.00
1921AC	8844	Scratch	Brown	Light	Grey	90%	Few small scrths. Brown edges lower rec.	\$4500.00
1921AC	9315	Perfect	Blue	Very Light	Blue	85%	Restamped & re-blued. Interesting gun here.	\$4100.00
1921AC	9979	Scratch	Brown	Moderate	Grey	85%+	Edge wear and few light scratches.	\$3900.00
1921/8	1578	Scratch	Blue/Grey	Light	Blue	93%	Few light marks lower receiver	\$5500.00
1921/8	13267	Scratch	Grey	Moderate	Blue/Grey	85%	Right side receiver light scratches	\$4500.00
1928/8	13493	Light	Blue/Grey	Light	Blue/Grey	90%	Light wear, few light scratches	\$4800.00
1921/8	10590	Scratch	Blue/Grey	Light	Grey	93%	Colt re-barrel/few light scratches, wear.	\$4995.00
1921/8	13211	Light	Blue/Brown	Moderate	Grey	93%	Very slight blue wear.	\$5300.00
1921/8	13456	Light	Grey	Light	Blue	95%	Very light lower receiver edge rub	\$6500.00
1921/8	4553	Light	Blue/Brown	Light	Mottled	95%	Very light rec. wear. Compensator mottled	\$6500.00
1928/8	4951	Light	Blue/Brown	Light	Mottled	93%	Slight browning on lower receiver edge.	\$5400.00
1921/8	7166	Scratch	Grey	Light	Grey	93%+	Slight receiver edge wear, few scratches.	\$5500.00
1921/8	8786	Perfect	Brown	Light	Grey	95%	Very slight wear on edges	\$6500.00

Colt Thompsons are for the most part conservatively graded. Each gun is priced on it's own merits.

POSTAGE: Add \$10.00 on prepaid orders. COD orders add \$3.75 for Fee. We ship only to address on FFL. IL residents add 6.75% sales tax or provide copy of tax exemption certificate. Prices are subject to change without notice. We are D & B rated 3-A-1. In business 28 years, same city and state. Trading gold, silver and firearms. Visa & Mastercard call for order information.

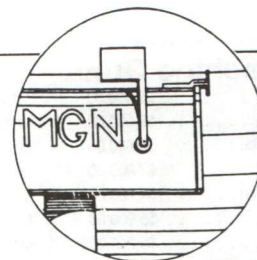
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NOTICE: Any dealer who request C.O.D. shipments & refuses to accept said shipments, we will remove that dealer from our files permanently.

F.J. Vollmer & Company, Inc.

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Mail



BACK ISSUES

Dear Vida,

Thank you for sending me the back issues we talked about. They are just what I was looking for. I do appreciate it. I can't wait for you to print the back issues that you have run out of, so I can complete my collection of M.G.N. Again, I think you have a great magazine and am telling my M.G. buddies about it.

Sincerely,
Rory L.
AZ

Sorry, Rory, but we are not going to reprint the back issues we are sold out of. The costs are too high. But, we are putting together an editorial index of all the articles and helpful information from the past five years. We will have copies of the articles available. This index will be printed in the next issue of MGN.



READER'S PHOTO Loretta Heck of Ohio firing a Russian 38/46 DSHK on a cold winter day.

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weapon conversions
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APOLOGY

On Page 7 of the January 1992 issue of MGN we reprinted some advertisements from a 1958 gun magazine. We apologize for not clearly labeling them as such. The ads were printed to illustrate price increases since 1958. We had some calls from readers who thought they were real ads. They were very disappointed to find out they were from a long time ago.

READER'S TAG

Please find the enclosed photo of my tag on my 1987 Monte Carlo Super Sport. I hope you can use them in your magazine.

Keep up the good work.
Jeff H.
GA



RARE

Ruger AC556F 13" Barrel Machine Gun



- NEW IN BOX - NEVER FIRED
- KEPT IN STORAGE SINCE 1984
- 13" BARREL NO LONGER IN PRODUCTION
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- WILL ACCEPT 22 LR CONVERSION KIT

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Ruger AC556 .223 3 shot burst \$1095 ea.

M-11 9mm new in box \$599. Two exc. \$499 ea.

Consecutively numbered Browning A4's with
tripod, original GI stamp on right sideplate with cross
cannons \$2600 ea.

1919 A4 (shooter) just parkerized, sharp \$2295.

HK 53 Caliber .223 and HK MP-5 9mm
Searguns Manufactured by S&H Arms of
Oklahoma, Inc. Exc. plus condition. Were \$2,895
each reduced to \$2695 each.

Colt CAR 15 Shorty Sear Gun \$2,495. \$1895.

AK-77 Real rare in 308 Winchester (7.62 x 51) Pre-
May Dealer Sample Yugoslavian
manufacture with four mags \$2,895 \$2695.

HK 33 - Pre May Dealer Sample \$2,895 \$2200.

Wanted to buy - Machineguns for resale.

1917 Watercooled belt fed 30.06 and 8mm w/bronze
tripod \$3,995 \$3,695 \$3,495.

Striker 12 7 1/2 barrel \$675 + \$5 Tax.

Thompson M1 M1A1 Receivers Fully Trans. with
parts. We have three of only 6 in the world that are
fully transferable. Billistics Manufactured.

Fully Transferable M-2 Conversion Kits for 30 Cal.
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MAC-10, Powder Springs .45
Frame Only \$399

MAC-10, P.S. Frame+Kit All
Internals, Bbl, Upper New
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Mac-10, P.S. .45
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Raffica

by Dan Shea

Speaking to Peter Kokalis the other day, Soldier of Fortune magazine's Tech editor. He likes what we do, and thinks MGN compliments SOF nicely. Our thanks to Peter for the "Up". He couldn't resist commenting on the scruffiness of some of our writers, mentioning yours truly in a most pointed manner. I won't get personal, but Al, Chris, and I are proud of our beards. Sir Hiram Maxim had a beard. Most soldiers had beards until fairly recently. I won't allow this to upset me. Perhaps Peter needs to come to one of the North Country Shoots in January or to Alaska for a blizzard shoot. Face Fuzz does wonder for winter exposure, and if you stand behind an M-16 shooter, provides a nice resting place for hot brass to sit and warm your face. Rosy cheeks. Enough foolishness - onward and upward to Rafficaria -

Q Any idea who used the CRA code for a manufacturer in WWII, Germany?

A You had me stumped, so I spoke with Bob Landies. Of course the code you are referring to is the German WW II Military code that was used by manufacturers instead of identifying who made what. CRA was used by Maget Maschinen U. Geratsbau. Gmb.H., some other ones that are fairly common are: BYF-Mausers, DUV-Berlin, CPK-Rheinmetal, BNZ-Steyr.

Q Thanks great column. The more I learn about Title 11 weapons, the more I realize how hard it is to find good sources. 1) What parts are most likely to break on the Armalite AR-18, and where can I get spares? 2) There are currently two companies doing business under the name "S&H ARMS". What is going on here? 3) While at the Soldier of Fortune Convention, I talked to a company named Civil Defense Armaments. They make squad automatic uppers for the AR-15/M-16, including a belt-fed model. Can you or your associates offer any comment on the company or the products?

Bill

A On the AR-18, the sear connector bar is the most susceptible to breaking. If I was ordering, I'd get two of those, two of each spring, then check my wallet to see if some extra barrels and the other internals are called for. The best source used to be Timberwolf (?) in California, but I have not seen them recently, and don't have an ad-

dress. I appeal to the Rafficarians out there for AR-18 parts info.

S&H Arms was Tom Sessler and Curtis Higgins (Curtis was actually the 2nd "H", Ed Hyde was the original one). They broke up the company over-rumored-financial discussions. These are private topics that we won't get into. Tom Sessler is the S&H Inc. in Arkansas, and Curtis Higgins is the S&H of Oklahoma, in Owasso.

Civil Defense Armaments is not a company I am familiar with. To date, the only belt fed AR-15's that I have seen are the few original Colt's, and Jonathan Ciener's new models.

Q Another source for "Ruger Pistol Exotic Weapon System" requested by Brent R. in the December Raffica column is: Rutgers Book Center, 127 Raritan Ave. Highland Park, New Jersey 09904 (201-545-4344) The book is listed on page 91 of their 1991 Catalog for \$ 15.00

Jerry

A I spoke with Mark Aziz at Rutgers's, and he told me they do indeed have several copies of this desirable book. The price is \$19.95, and you can call or write to them for their free catalog (I ordered one, of course). Tell him you saw it in Machine Gun News!

Q I have just purchased a Polytech 7.62X39 barrel, bolt, and rivets for an AK that I own. It is a registered receiver conversion in .223. No one seems to like the .223 and I have experienced feeding problems, particularly with soft cased commercial ammunition. I think the chamber stroke is too violent for these rounds since it was originally designed for the steel cased 7.62X39. In any event, I've been told that the 7.62 barrel will go right into my polytech .223 with new rivets. What exactly must I replace to install this barrel in a Polytech gun? It seems that the mags for a 7.62 are different from the .223 in the polytech guns. I have bought some Norinco .223 mags that look identical to their 7.62 mags but the front shoulder must be shortened to fit in the polytech .223 gun.

They also seem a little narrower, such that they sometime rotate slightly in the mag well. Does a new 7.62 barrel allow use of the conventional 7.62 mags or will I need to alter them or the gun to make them fit. Also it seems that my serial number (original) is on a machined extension of the



gas block where it joins the stamped receiver housing. Does this portion of the block come out, or can it stay in the gun. If it comes out can the serial number be placed elsewhere?

Finally, one motivating factor for rebarreling (besides reliability considerations) is that I want to have an "authentic" AK rather than a US market- only variant. I have heard in the past that the AK was designed to be quickly adaptable to .223 to allow the use of Western ammunition in a pinch. Are the .223's on the American market a real military variant that are (or could be) in actual use, or are they an afterthought of the Chinese? I would like to think I am "purifying" my AK rather than simply choosing a preferred chambering, if I am going through the trouble of rebarreling.

Thanks for all the advice.

Bill L.

A The .223 AK done by Polytech has a magazine position problem. The same angle was used for the .223 as for the 7.62 x 39, and that leaves the mag at too severe an angle, and too low for proper feeding. Since the mag well will also fit the 7.62 x 39 magazine and the angle is correct for it, the Polytech gun lends itself to caliber conversion to 7.62 x 39. The Norinco guns were redesigned for .223, so that magazine well work must be done for a caliber conversion. NFA Branch must be notified of any caliber change, by sending in an amended Form 3 with a letter explaining the caliber change. The barrel will fit in either gun. First the barrel retaining pin must be pressed out, then the old barrel is pressed out. The new barrel must be pressed in, then headspaced. If it's not headspaced, you will be blowing up cases - not fun and very dangerous. This work should be done by a qualified gunsmith. Don't try this at home, kids. A new barrel must also be milled out for the extractor in order to fit. The .223 extractor must also be milled about .015" to strike the ejecting 7.62 x 39 case properly. The 7.62 conversion will leave you a reliable AK, and I recommend it. Fleming Firearms (918-665-3624) does this conversion frequently, if you want it done. The Norinco .223 AK is usually very reliable, however, due to them taking the time to engineer it properly. The AK format has no intrinsic problem with .223 - think about Galils and Valmets.

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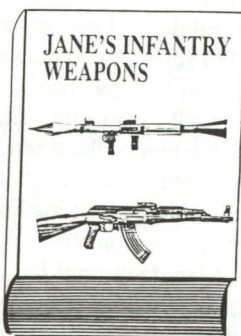
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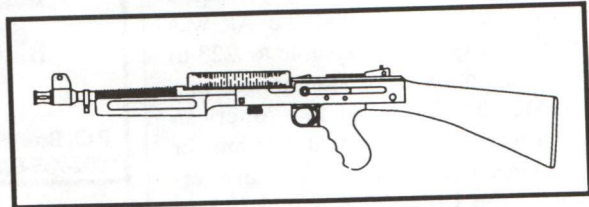
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by Chris A. Choat

AMERICAN 180 LARGE CAPACITY DRUM MAGAZINES

In the Spring of 1991 E&L Manufacturing introduced its new 165 round transparent Lexan drum magazine for the American 180 submachine gun. The magazines



were so well accepted that E&L has now engineered both a 220 and a 275 round drum for the .22 caliber buzz-saw. The drums feature several advantages over the original metal magazines. They are very reliable, extremely durable and are also easier to load. The new magazines are all transparent so you can see your remaining rounds. The drums are also very light. The 220 round drum weighs 37oz. loaded and the 275 rounder weighs 44oz. loaded. This compared to 57oz. for a loaded 177 round metal magazine. E&L also has now developed a loading tray for American 180 magazines. The loading tray will load the original metal magazines as well as all three sizes of the new E&L Lexan magazines. You simply attach the tray to the drum, empty a 50 round box of .22 shells onto the tray and align the shells while rotating the drum. The cartridges feed directly into the drum and the time spent loading will be reduced to approximately 1 minute per layer. For information on these and other American 180 parts and accessories contact E&L Manufacturing, Inc., Dept. MGN, 39042 N. School House Road, Cave Creek, AZ 85331. Phone: 1-602-488-2598. Fax: 1-602-488-0813. MGN will feature these drums in an article on the American 180 in an upcoming issue.

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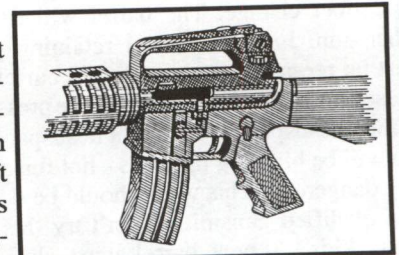
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SOUTHPAW RECEIVER M-203 REPLICA

A new AR-15/M-16 receiver has just been introduced from DPMS - Defense Procurement Manufacturing Services, Inc. The A2 upper receiver has been modified to eject empty brass out of the left hand side of the gun. The receiver is machined from 7075-T6 Aircraft Alloy forging and is anodized black or gray with a dry



film lubricant. The right side of the receiver remains unmachined. All dimensions are held to exacting military requirements. A modified bolt is also included for 180° left side ejection. The upper receiver comes stripped, all you add are the sights. Also new from DPMS are their new 10 round magazines for the AR-15/M-16. These mags are aluminum alloy and hard coat anodized with a dry film lubricant. These are also built to military requirements and are approximately 3 1/2 inches in length. DPMS will have their new M-203 replica grenade launcher ready for shipping by the time you read this. This is an exact replica of the Colt M-203 launcher made from high strength aluminum alloy anodized black. The replica features a sliding barrel and a trigger just like the functioning M-203 but will not fire. Each launcher is serial numbered for collection purposes and is engraved like the originals. The replicas come complete with dummy lower receiver, handguard assembly with liner, leaf sight assembly, mounting bracket and barrel assembly. The rear quadrant sight assembly is available as an option. For more information contact DPMS, Dept. MGN, 408 1st Ave. N.W., Osseo, MN 55369. Phone: 1-612-424-8892. Fax: 1-612-424-8693.

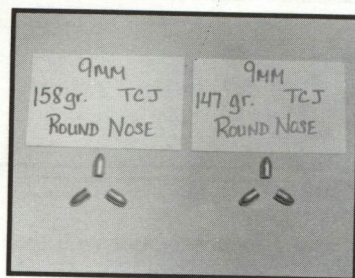
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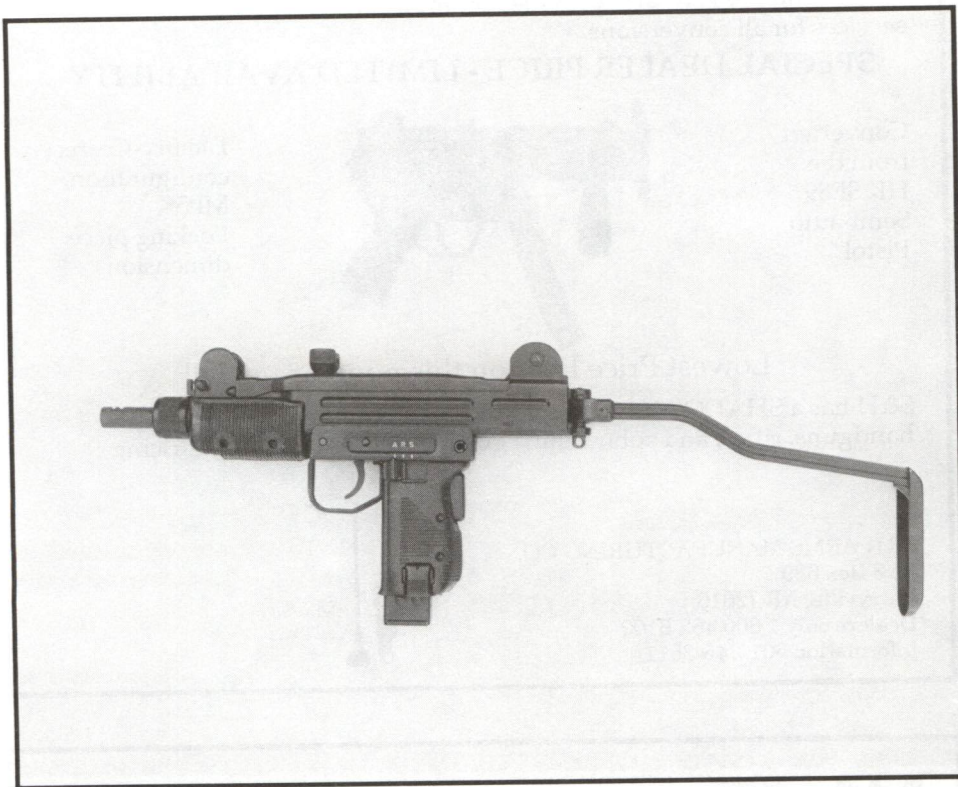
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The Mini Uzi



The Mini Uzi is smaller and lighter than the "maxi" Uzi, and it features a vastly improved folding stock, higher rate of fire, and an effective muzzle brake machined right into the end of the counterbored barrel.

By Al Paulson

Many professionals who don't like using the Uzi are quite fond of the Mini Uzi. Some even prefer it to the Heckler & Koch MP5K. This article will evaluate the design and performance of the Mini Uzi, and a companion article in this issue will evaluate an outstanding Uzi suppressor.

Israel Military Industries (IMI) has been producing the Uzi since 1951, and Action Arms has been importing the Uzi since 1980. Probably no submachine gun has become as recognizable to the public at large since the Thompson. Stunning Israeli military successes have conjured up a mystique that exceeds the weapon's ability to deliver. Don't get me wrong, it's an excellent weapon capable of Sterling performance. Yet by the 1970s, when

working professionals (as opposed to bureaucrats) selected a submachine gun, there was a good chance another weapon would be adopted for a particular application. This trend accelerated with the growing need for reduced size and weight in the burgeoning realms of executive protection, counterterrorism, drug enforcement and SpecOps.

IMI responded to this need in the early 1980s with the Mini Uzi, which featured significantly reduced size and weight, a vastly improved folding stock, higher rate of fire, and an effective muzzle brake machined right into the end of the counterbored barrel.

The first thing one notices when actually handling the Mini Uzi is that it's a lot more concealable than the "maxi" Uzi. While the Mini is only 2 inches shorter than the maxi with folding stocks extended, the

Mini is 4.3 inches shorter with the stocks folded (see Tables 1 and 2). And the Mini comes with a 20-round magazine that barely protrudes from the bottom of the magazine well. Those two factors provide a package that is as concealable as an Ingram M10 submachine gun while providing superior ergonomics. The best system I've seen for concealed or prolonged carry of the Mini Uzi is the superb shoulder harness used by the Mossad (Israel's intelligence service). This rig is available from Alukas International Armament. AIA also markets a loading tool for Uzi magazines, the outstanding ML-09 loader made by Tryn Development.

The first thing one notices when firing the Mini Uzi is its high cyclic rate. While design specs specify a rate of 950 rounds per minute, some guns produce rates as high as 1,200 rpm with some ammunition. The high cyclic rate produces a substantial muzzle blast, which tends to be a bit distracting at first. Angled slots in the barrel which serve as a muzzle brake, direct gas up and to the right. This design reduces muzzle climb for right-handed shooters, but it causes the gun to walk markedly to the left for left-handed shooters. Unlike many designs, the Mini Uzi's muzzle brake does not direct a lot more gas back into the shooter's face since the slots are directed slightly forward. With experience, the muzzle brake and improved stock of the Mini enable the shooter to increase the speed of target acquisition and obtain improved hit probability over the full-sized Uzi (with folding stock) at typical engagement distances. In the experienced hands of a right-hander, the Mini outperforms the maxi.

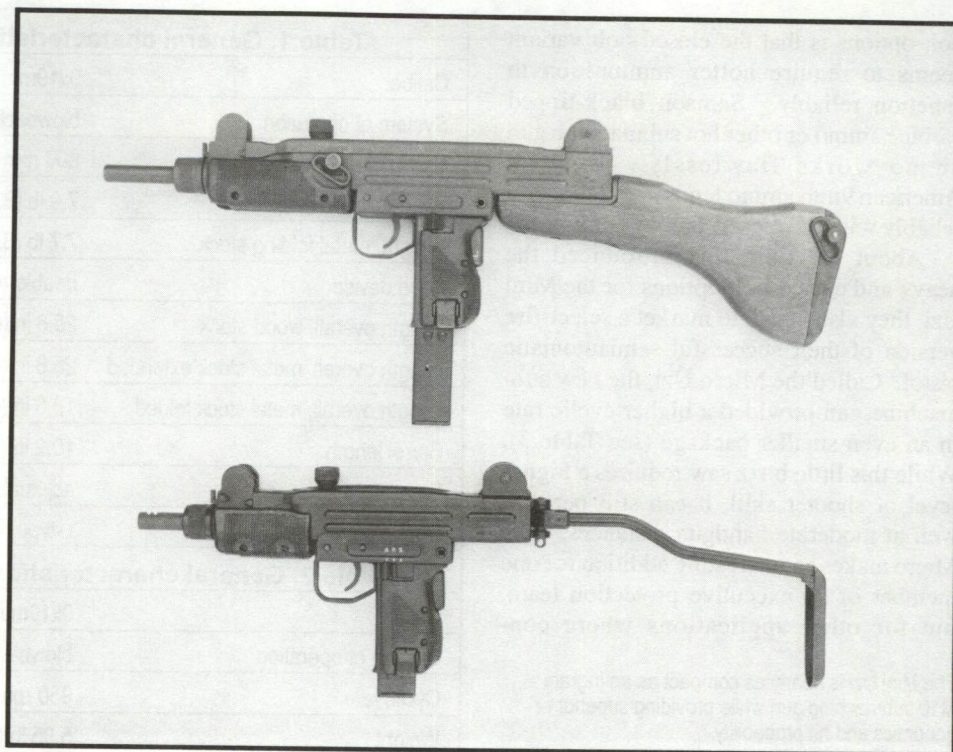
The Mini's stock provides a lot of this performance advantage, for the maxi's folding stock leaves a lot to be desired. The maxi's stock is very slow to unfold. And its design prevents a quick, consistent, comfortable cheek weld which is essential for rapidly obtaining a repeatable sight picture. The Mini's stock provides similar cheek weld and rigidity to the maxi's wooden stock, while stowing in a smaller space than the maxi with the folded metal stock.

The Mini's folding stock is made of heavy steel rod, rather than stamped sheet

The Mini is only 2 inches shorter than the maxi with its folding stock extended.

metal like the maxi. A downward jog just behind the hinge on the Mini's folding stock forces a rapid, proper cheek weld. To open the stock from the folded position, simply grasp the butt plate and swing the stock assembly to the rear until a lug on the stock slides into a notch on the hinge, rigidly locking the stock in the open position. The shooter experiences no wobble while firing the gun from the shoulder. To fold the stock, place the weapon on safe, point the weapon in a safe direction, grab the receiver just forward of the rear sight with the weak hand, and push the butt plate away with the strong hand until the stock's lug slides out of the notch in the hinge. The stock now swings easily back to the folded position, where the same lug and notch arrangement locks the stock in place. No buttons or other devices need be manipulated to deploy or fold the stock.

The Mini's sights have the same basic setup and sight picture as the maxi, although the Mini's L-type flip aperture rear sights are calibrated for 50 and 100 meters, rather than 100 and 200 meters like the maxi. The Mini's rear sight is adjustable for windage, while its front sight adjusts for elevation with a well-engineered spring detent and ratchet assembly. The full-sized Uzi uses an eccentric, threaded front sight to adjust for both windage and elevation. This somewhat awkward arrangement is reminiscent of the system used by the Carl Gustav Model 45 submachine gun.



The Mini retains the maxi's grip safety and excellent actuator ratchet, making it a very safe submachine gun to handle in terms of accidental discharge. The grip safety can make the gun unsafe for people with small hands in a tactical environment, however, since they may have difficulty operating the grip safety.

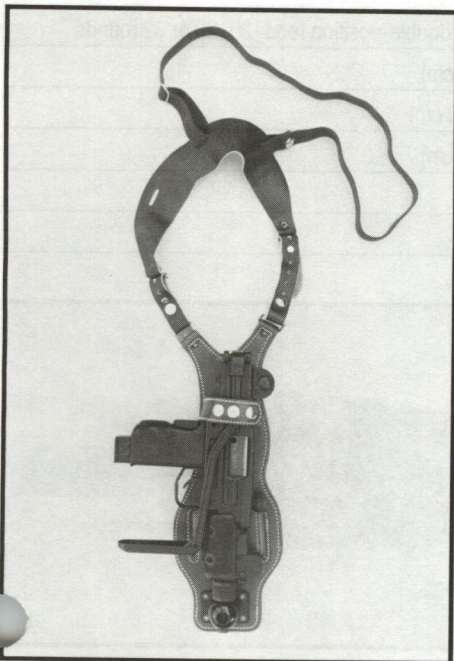
Fortunately for bureaucrats and trainers—and unfortunately for users—the Mini retains the maxi's ghastly selector switch, which has sharp edges and requires far too much force to manipulate. From

front to back, the selector settings are A for automatic, R for repeat (semiautomatic) and S for safe.

This stiff selector switch is a more serious liability with the Mini than it is with the maxi. Semiautomatic fire is essential for effectively engaging targets at a distance with a submachine gun. Yet tactical requirements may not allow enough time or tolerate the distraction of manipulating such a stiff selector. The full-sized Uzi can deliver single shots with the selector set on A; the Mini Uzi cannot. Three-round bursts are the lower limit with the Mini.

Unless, of course, the Mini has been fitted with a special heavy bolt that lowers the Mini Uzi's cyclic rate from 950 to 750 rounds per minute. The heavy bolt incorporates 12 ounces of tungsten inserts to slow down bolt travel. Most shooters perform better on full auto with this heavy bolt installed in the Mini Uzi. The heavy bolt improves the mini's controllability and lowers the number of rounds per burst. So the modified gun provides improved hit probability plus more bursts per magazine. These are two substantial advantages, whether the Mini Uzi is used in the tactical or sporting environments.

A closed-bolt modification can also be encountered, which increases accuracy when firing on semiautomatic. Both optional bolt packages can be installed or exchanged by simply opening the top cover, replacing the old bolt with the new one, and securing the top cover. No other changes or adjustments are necessary. The only eccentricity to either of these (continues)



This shoulder harness is reportedly used by the Mossad (Israel's intelligence service) for concealed or prolonged carry of the Mini Uzi.



The weapon is drawn by unsnapping the restraining strap, pivoting the gun rearward, and pulling the barrel from the rotating plastic ball.

bolt options is that the closed-bolt variant seems to require hotter ammunition to function reliably. Samson black-tipped carbine ammo or other hot submachine gun ammo works flawlessly. Generic American 9mm ammo tends not to function reliably with the closed-bolt option.

About the time IMI introduced the heavy and closed-bolt options for the Mini Uzi, they also began to market a select-fire version of their successful semiautomatic pistol. Called the Micro Uzi, the new submachine gun provided a higher cyclic rate in an even smaller package (see Table 3). While this little buzz saw requires a higher level of shooter skill, it can still perform well at moderate handgun distances. The Micro makes an interesting addition for one member of an executive protection team, but for other applications where con-

The Mini Uzi is nearly as compact as an Ingram M10 submachine gun while providing superior ergonomics and hit probability.



cealability is not paramount—the Mini Uzi will be a better choice.

Even when size and weight have no bearing whatsoever on the selection process, I believe the Mini Uzi is frequently a better tactical choice than the full-sized Uzi, especially with the heavy-bolt option. Unfortunately, neither the heavy-bolt nor the closed-bolt option ever reached full production. That may be part of the reason why the full-sized Uzi remains the most popular variant with the law-enforcement community.

The tradeoffs for sport users are somewhat different. All factory-built Mini Uzis

Table 1. General characteristics of the Uzi submachine gun.

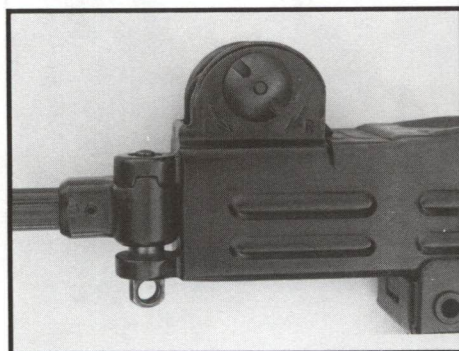
Caliber	9x19mm
System of operation	blowback, open bolt, selective fire
Cyclic rate	600 rpm
Weight, wood stock	7.9 lb (3.6 kg)
Weight, metal folding stock	7.7 lb (3.5 kg)
Feed device	double-row, double-position feed, 25 or 32 rounds
Length overall, wood stock	25.6 in (65.0 cm)
Length overall, metal stock extended	25.6 in (65.0 cm)
Length overall, metal stock folded	18.5 in (47.0 cm)
Barrel length	10.2 in (26.0 cm)
Front sight	adjustable post
Rear sight	L-type flip aperture for 100 and 200 meters

Table 2. General characteristics of the Mini Uzi submachine gun.

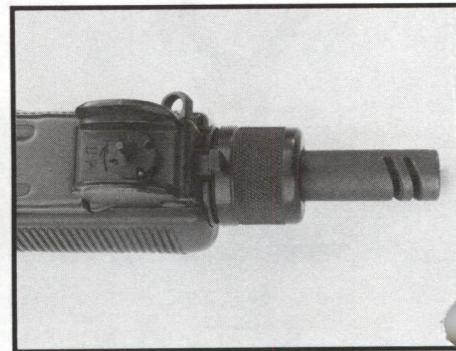
Caliber	9x19mm
System of operation	blowback, open bolt, selective fire
Cyclic rate	950 rpm
Weight	5.95 lb (2.7 kg)
Feed device	double-row, double-position feed, 20, 25 or 32 rounds
Length overall, stock folded	14.2 in (36.0 cm)
Length overall, stock extended	23.6 in (60.0 cm)
Barrel length	7.76 in (19.7 cm)
Front sight	adjustable post
Rear sight	L-type flip aperture for 50 and 150 meters

Table 3. General characteristics of the Micro Uzi submachine gun.

Caliber	9x19mm
System of operation	blowback, open bolt, selective fire
Cyclic rate	1,250 rpm
Weight	4.3 lb (1.95 kg)
Feed device	double-row, double-position feed, 20, 25 or 32 rounds
Length overall, stock folded	9.8 in (25.0 cm)
Length overall, stock extended	18.1 in (46.0 cm)
Barrel length	4.6 in (11.7 cm)
Front sight	post
Rear sight	open notch



The Mini's L-type flip aperture rear sights are calibrated for 50 and 100 meters, and are adjustable for windage.



The Mini's front sight adjusts for elevation with a well-engineered spring detent and ratchet assembly.

are dealer samples. Individuals can acquire semiautomatic carbines that have been remanufactured into Mini Uzis. But without the heavy bolt, most shooters will produce bursts of three or four rounds. Three-round bursts are easy with the full-sized Uzi, and single rounds can be squeezed off with practice. So the net result is that you can drop more plates or punch more paper targets between magazine changes, so you can engage a large number of targets quicker with the full-sized Uzi. Plus there are more transferable maxi Uzis on the BATF registry, which includes both converted carbines as well as the Group Industries clone (the HR 4332).

We'll take a closer look at the development and performance of the full-sized Uzi in a forthcoming issue of Machine Gun News.

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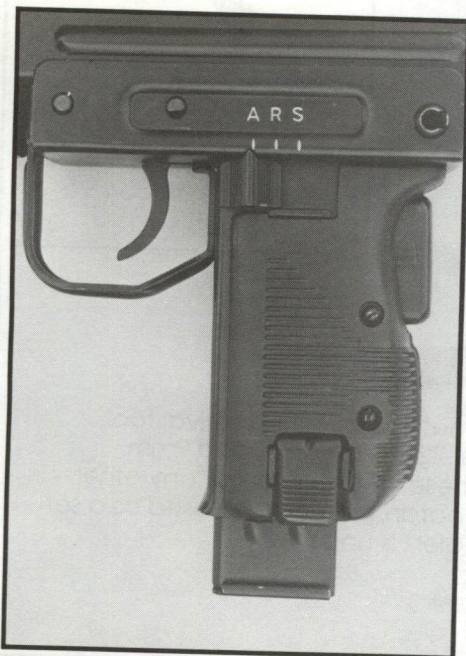
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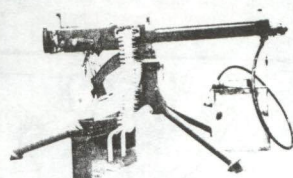
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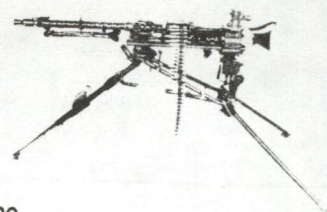
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The Mini retains the maxi's ghastly selector switch, which has sharp edges and requires far too much force to manipulate. Furthermore, people with small hands may have difficulty operating the grip safety. These two problems constitute the major liabilities of the Mini Uzi.



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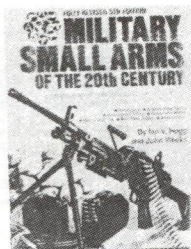
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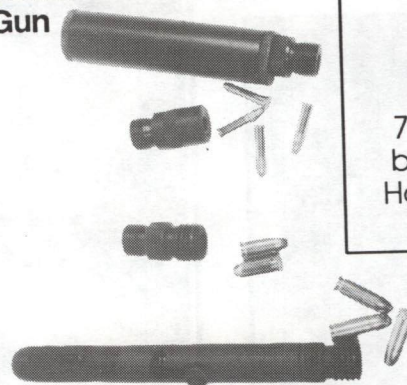
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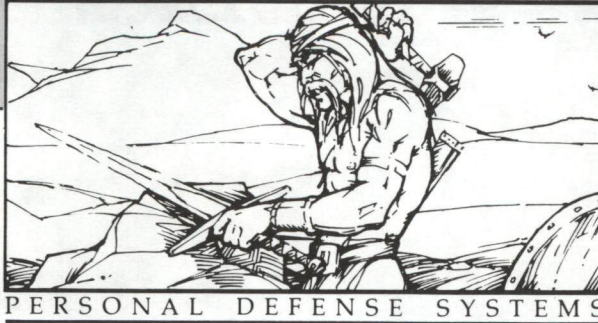


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TRACERS

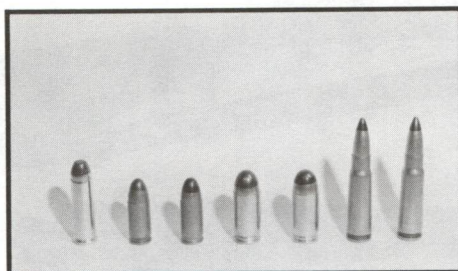


The tracers from Northern Arizona Munitions are very bright as can be seen in the photo. Although this photo was taken at dusk the tracers can be easily seen even in noon day sun.

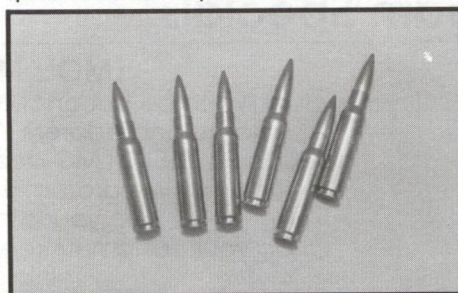
by Chris A. Choat

TRACERS. Up until Operation Desert Storm became prime time television viewing, most American people didn't know a tracer from a humvee. In fact, the word tracer isn't even in most dictionaries. The closest you can find is the word-TRACE which, according to my dictionary, means: a surviving mark or sign of the former existence or action of a person or thing. For the purpose of this story that definition fits; bullets that trace are TRACERS.

Even though most people (including the Desert Storm press media) didn't know what a tracer shell was until the past year, tracers are not something new. They have been with us through several wars as they were primarily designed for the military for use in belt-fed machine guns fired either from the ground at aircraft or from aircraft against other aircraft. The tracer bullet contains chemical compounds that burn when ignited by the gunpowder in the casing. There is enough compound in the bullet that it continues to burn all or at least most of the way to the target giving a visual "picture" of the trajectory or path of the bullet. The compound in the bullet, usually nitrates, can be mixed with other chemicals



The tracers are available in several calibers and more are added all the time. Shown here from left to right are; .38 special green, 9mm green and red, .45acp green and red, 7.62x39 red and 7.62x39 ranging. All the commercial ammo is loaded in new cases and the tips of all rounds are colored according to trace color. The ranging tracers have their tips one color and the primers another.



Jim makes the best incendiary rounds that the author has every seen and heard. The examples shown are 7.62 NATO (.308) and have blue tips. The incendiary rounds produce a flash and report that is very impressive.

to produce bullets that trace different colors. This visible bullet path allowed machine gunners who were firing into the sky at aircraft to see where their bullets were going.

Today, military tracers are available at gun shows and even at some surplus and gun stores. They can usually be bought for around \$1 per round or a little more, depending on the caliber. There are some problems associated with military surplus tracers. First, most of this stuff was manufactured before a lot of us were born. The older the ammunition, the more chance there is that it either won't trace or that the shell won't even go off. Secondly, a lot of the surplus tracer is very corrosive. Some people have an aversion to shooting corrosive ammo in machine guns that are worth several thousands of dollars. Let me say here that all tracer ammunition is corrosive because the residue left from the burnt nitrates is hygroscopic, meaning that it draws moisture. But most of the military tracer also has corrosive primers.

Another problem with military tracer is caliber. Naturally, the military tracer is available only in military calibers. What if you want to shoot tracers in your favorite

.38 Special revolver? I guess you were just S.O.L.—until now.

Jim Haak, an Arizona ammunition maker, has been producing tracers for himself and his friends for several years. Now he has decided to start marketing his product. Jim recently sent me some of his tracer ammunition to test and this stuff is fantastic. Not only does it trace brighter than most military ammo, it traces farther; a lot farther. For instance, Jim has .45acp tracer that traces out to **650 yards**. Now I know that probably a lot of you don't shoot your favorite .45 caliber submachine gun at targets that are that far away but these tracers sure give you a good idea what your bullet is doing if it does go that far. I personally think that everyone that does any kind of shooting should fire some tracers at least once. It would give them a lot more insight on what a bullet does after it strikes the target. Jim's tracers trace from the muzzle all the way to the target. I know already what some of you are thinking; that this is dangerous because it gives away your shooting position. Come on guys these tracers are designed for fun, which is what most of us buy machine guns for in the first place. If I did have to shoot at someone Uncle Sam would be paying me and he would be providing the ammunition.

As I said, Jim has been building tracers for quite some years and has it down to a fine art. Jim will build the tracers either with commercial components or from surplus ammo for greater savings. At this time the calibers that he has available are .38 special, .38 super, .357 magnum, 9mm, .45 acp, 8mm and 7.62x39. He can also make .223 and .308 but he tells me that with large quantities of these two military calibers floating around that there just isn't enough demand for him to make them. He will also sell just tracer bullets for people that would just as soon reload their own.

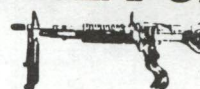
Most all the tracers are available in either red, green or ranging. The ranging tracers burn one color for the first half of their flight and then change to another color. This color change is timed to coincide with a certain yardage. For example, the 7.62x39 ranging tracer traces green for the first 250 yards and then changes to red. The 8mm tracer can be ordered in any color that was originally available in the military 8mm tracers. As far as I know, Jim is the only source for current manufacture 8mm tracer and it traces out to 1200 yards. Tracers for your .303 British is also available from Northern Arizona Munitions.

In my testing I found that Jim's tracers do indeed trace their advertised distances.



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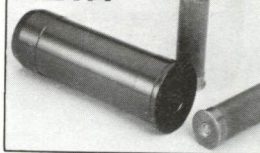
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A night time exposure photo of Northern Arizona Munitions 7.62x39 tracer fired from an AK-47. These tracers will trace at least 800 yards.



Tracers even turn handguns into flamethrowers. This photo shows eight rounds of .45 acp red tracer fired from a Smith & Wesson 4506.

If fact, they usually trace farther than he claims they will. Also, unlike other tracers manufactured today, these tracers are so bright that they can easily be seen in bright daylight. The first batch that I tested was shot at about 10 minutes past noon on a cloudless day. I could see them perfectly. Accuracy with the new tracers is just as good as ball ammunition.

I confess that I have paid \$1 a round for tracers in the past and one time even got stung by buying (what I now believe to be) regular ammo with the bullet tips painted red. This is not the case with tracers from

Northern Arizona Munitions. Jim's tracers are less than \$1 per round, for most calibers, and they definitely trace. Out of well over 200 rounds that I have fired I have had only one round that didn't trace. Not bad in anyones book.

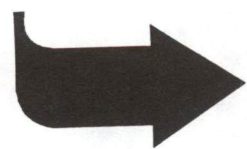
Not only does Jim make the best tracers that I have seen, he now is making the best incendiary rounds that I have ever seen or heard. I fired some of his .308 incendiary rounds at an old concrete building. The resulting flash could easily be seen in daylight and the explosion from the shell could be distinguished even from 200 yards

away. These are very potent rounds.

Jim also makes variations of the aforementioned shells which include incendiary tracers and ranging incendiary tracers. If you have tried buying "new commercial" tracers and weren't satisfied, contact Jim; you'll be glad you did. MGN

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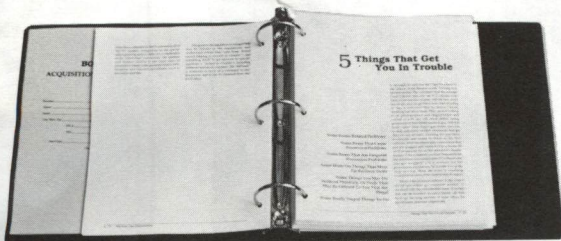
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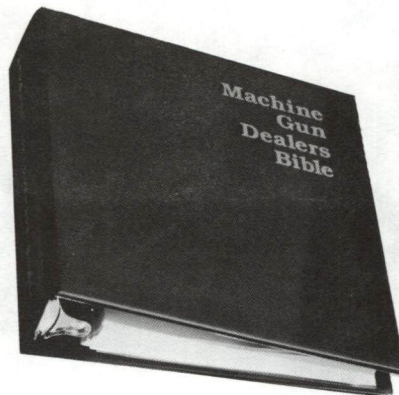
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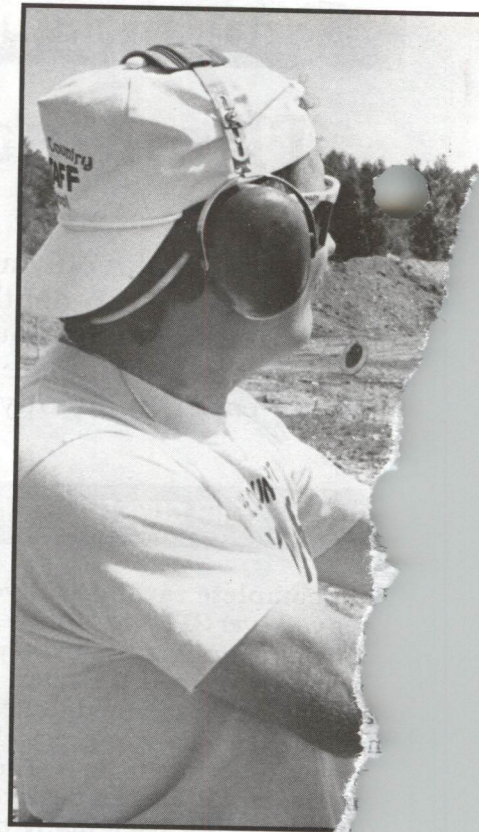
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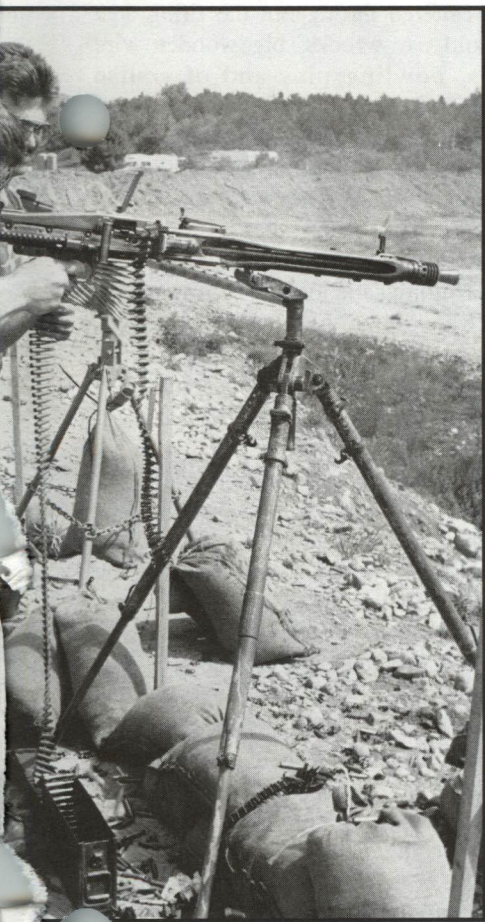
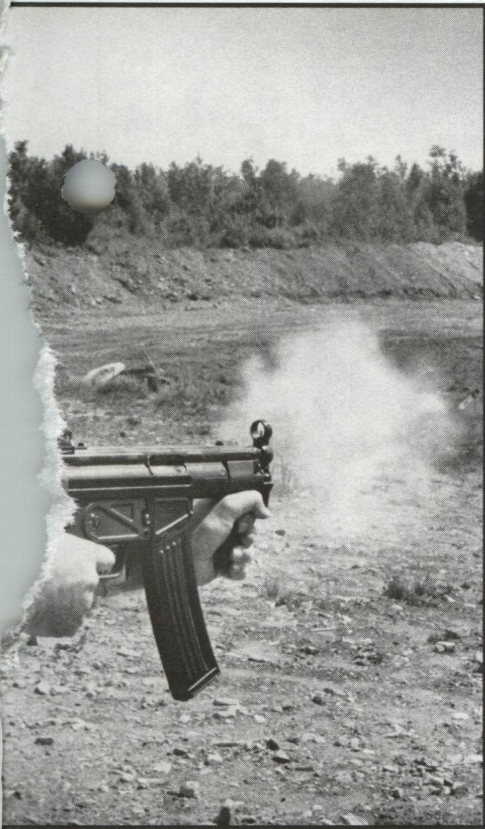
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Clockwise from top: 1. The MG08. 2. Dick Morin (author) firing the H&K 53K .223. 3. The MG42. 4. Preparing to fire the Mini Gun.



The North Country Shoot (and Marshmallow Roast)

By Dick Morin

Every machinegun shoot is a spectacle of firepower, unique weaponry, sight and sound. The North Country Fall Shoot is no exception in that regard.

Like the past two, the shoot was held off Route 3 in Stratford Hollow, New Hampshire. Fall was early this year and the shoot dates were August 23, 24 and 25.

This shoot is becoming more of a family event all the time. Most of our usual friends were there and this time a lot of them brought their families. In fact that's how the marshmallow roast part got started, the kids wanted a bon fire and to roast marshmallows. The kids started it but the adults were soon joining in. Jonathan Arthur Ciener got out his custom roasting sticks and some wit said he heard Jonathan say they could cook 6,000 marshmallows a minute without burning them. But only if he used USGI surplus marshmallows.

That campers also got together Saturday night and had a pot luck supper, where the kielbasa the guys from Maine brought along was a big hit. It was enjoyable to stand around the fire and watch the full moon rise among those mountains, to swap tales and make new friends until the party broke up in the wee hours.

Once again the boys from Vermont brought their Stuart Tank and drilled their target with that awesome 37 mm gun. Our friends from the Marines were back with the M60s. They won the belt fed match too. The Marines also brought along a 40mm grenade launching machine gun but were unable to fire it due to military regulations. That weapon still brought a lot of longing stares from spectators.

This shoot featured a subgun match where shooters had to clear bowling pins off a table then shoot a single pin at 50 yards. The competition was fierce with a team consisting of a grizzled veteran, a young woman and a woman who had never fired a gun before holding their own until they were eliminated in the third round. The team of Dan Shea, Jim Ballou and Jonathan Ciener known as "Old Tired

Dudes with Old Tired Guns" took the honors, in a hotly contested final round that was over in fractions of a second.

The dynamite crew was spectacular as usual, setting up display explosions to begin each firing period. Two cases of dynamite were used on the targets plus the aerial salutes, artillery simulators and our trademark 100 foot string containing 300,000 individual firecrackers.

As in the past we had many varied firearms in the forty beltfed positions including MG34s, MG42s, 1919A4s, 1917s, M60, ANM2s and many more modern and antique guns.

Hector Baldue Jr. of Maine, had a pair of 1919A4s with A6 shoulder stocks on a pedestal mount as he had a stock on each shoulder and a pistol grip in each hand. It was an inspiring sight to watch Hector chew up junk cars with that rig.

His dad, Hector senior, said he cut his son's belts in half to help conserve ammo but from where we stood, it didn't seem to help. Every time we looked his way Hector had both guns blazing away.

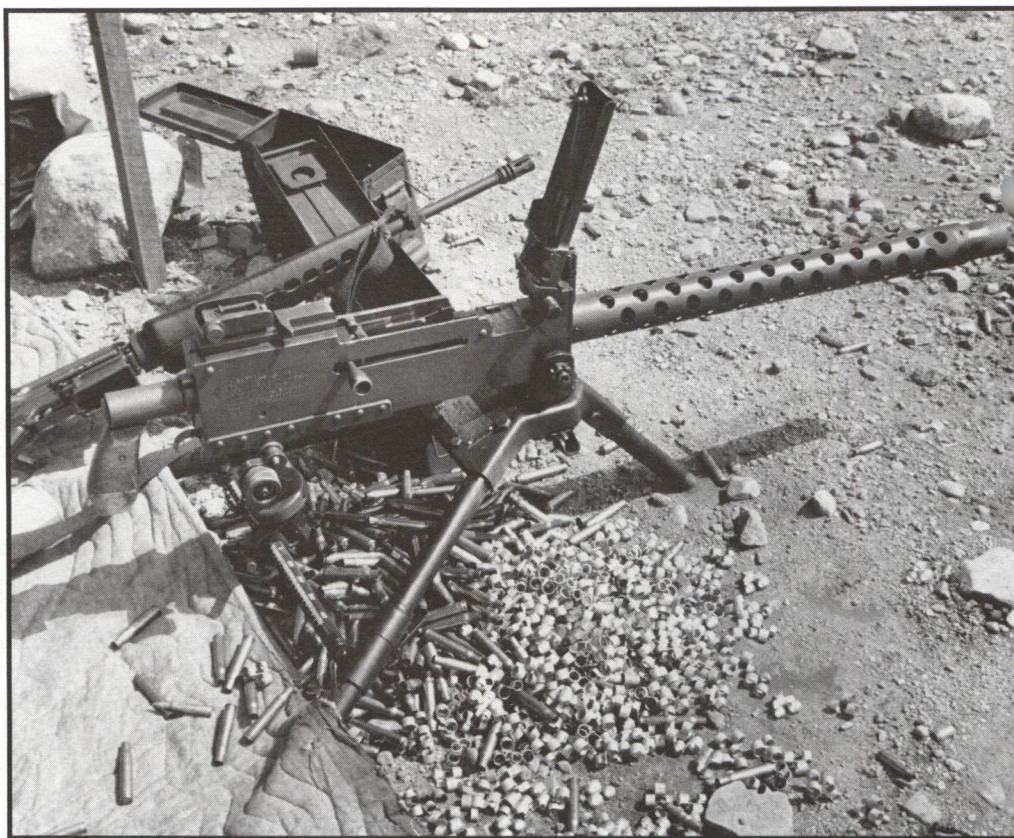
As usual, ammo consumption was awesome. A walk down the firing line at the end of each day was like walking on a brass strewn beach.

Jonathan Arthur Ciener's GE Minigun got a real workout. Jim Ballou fired blanks through it, hand held. For safety reasons, it was imprudent to shoot live ammo that way. Carl Silver also ran a 1,000 round string of those wooden bullet blanks through the minigun for the longest sustained fire we'd ever seen, short of a Hollywood movie set.

All in all, everyone had a great time at the shoot, especially the Marines. They burned their share of cars while shooting the only tracer we allowed. Their military ammo is linked 4-1 with tracer and we didn't have the heart to make them delink it.

We hope to see you at our next shoot in the spring, just remember shoot safely and bring lots of ammo. Oh yes, bring your marshmallows too.

MGN



Machine Guns - A New Understanding

By Paul T. Craven

It sounded like a war. At least what I thought a war would sound like. Having never fought on the battlefield or even fired an automatic weapon my knowledge of these things was limited. One pleasant fall day in New England I found myself at the Pumpkin Popper Machine Gun Shoot & Gun Show in New Boston, New Hampshire. I didn't know what to expect and was even more surprised at what I found.

To be fair I must confess that I had many preconceived notions about "gun enthusiasts", probably the result of too many Rambo movies. Don't get me wrong. I used to hunt with my father and owned a few shotguns, even a single action .357 Ruger. Its just that as time passed so did my interest in guns. So I fell into the mainstream of non-gun users; it was ok - just not for me. The thought of a day of shooting with a bunch of gunho, paramilitary types wasn't as appealing as a day of golfing. What I learned is when you get to the root of it

there isn't much difference.

The Pumpkin Popper Machine Gun Shoot was sponsored by the Minuteman Shooting Club. It was held October 5, 1991 in Scott's sand pit out in the middle of nowhere. We arrived about 9:30am to help set up a dealer table. The surprises began as soon as we arrived. I turned into the sand pit and was stopped by a clean cut young man of about 20 years. He smiled and said, "Good Morning, Sir, it is a great day.". I don't remember the last time I was greeted so politely. He informed me it cost \$1.00 to park and directed me to the parking area. As I drove away he said, "You have a good time today, Sir". I was impressed. I had expected some hulk of a man in old dungarees and a ball cap saying, "Park over there and give me a dollar".

After setting up the table my friend Dave and I decided to walk the grounds. What we saw was simply fascinating. By this time there were about 300 people on the grounds. The firing range was set in a

low area facing a sand berm of about 100 feet. Scattered throughout the firing area were old car wrecks, big wooden wire spools, bowling pins and of course PUMPKINS. On the firing line were some of the most interesting looking weapons I had ever seen, modern day and antique or collectors weapons. They were spread over 20 firing positions. At every position there was a small crowd of people busily cleaning, assembling and loading their weapons. There were M16's, AK47's UZI's, H&K's, Thompsons, M60's, 50 caliber machine guns, WWI BAR's and a Japanese WWII T96, everything imaginable. At least so it seemed. The weapons were fascinating but what struck me most was the people.

These were not "gunho paramilitary" types or even macho hulks in dungarees. There were men and women alike on the firing line. They were very careful and conscience about their actions. There was no alcohol, no rowdiness and except for one demonstration with four or five M16's and an M60 no "Rambo-like" performances. Everyone was alert to the dangers. During one demonstration a spectator noticed someone down range. They were down range all right, about 150 yards away and 90 degrees to the line of fire. But the demonstration stopped until they moved.

As we walked the line we had the opportunity to talk to several people. They were the same people you would find at any gathering of enthusiasts. I spoke with a

Machine Gun News - February 1992

lawyer, teachers, housewives, grandmothers and a variety of people, all out for a day enjoying their hobby. At time it reminded me of an Auto Show or a Boat Show. Collectors with their unique examples of the art were there talking and demonstrating their special interest. There were contemporary weapon and collector items. It was just as easy to imagine they were talking about a 1930 Packard or an Alsborg sloop.

The people were friendly and obliging. My lack of experience didn't seem to bother anyone. In fact everyone was more than willing to educate me on the intricacies of their particular weapon. My friend and I had a great time firing different weapons. We tried a Panther (9mm South Africa), with suppressor, courtesy of Jim Ballou. I'm told it is one of only six registered in the U.S. We both shot a WWI BAR and decided we were glad we didn't have to do so on a regular basis. The MP5 was fun, though 30 rounds didn't last very long. You're supposed to be able to fire one shot at a time, even on full-auto; I couldn't fire less than three round bursts.

To say I was impressed is not enough. My attitude changed. My friend and I both came away from the shoot with a new understanding. There is no difference in this weekend and going to an auto race, football game or a day of sailing. These were law abiding citizens out to enjoy their "recreational pastime". The fact that they were

shooting machine guns is secondary. These were not "gun nuts" who would shoot up the nearest restaurant. No more than a high performance car enthusiast would drag race on a city street.

Having realized this it started me thinking about all the fuss that is going on about gun control. It didn't make a lot of sense before and even less now. Gun control would be no different than telling Chrysler they can't manufacture high performance engine parts. It is simply penalizing a special interest group for what seems to be very superficial reasons. I have heard the argument about the threat of automatic weapons to law enforcement officers. The fact of the matter is that in the last ten years 1/5000th of 1% of the officers killed in the line of duty were killed by automatic weapons.

To sum it all up, a few days after the shoot while, describing the experience to an acquaintance, I was asked, "Why does anyone need a machine gun?". This was my answer. For the same reason that people need cars that go 120 mph when the speed limit is 55 mph or 120 proof alcohol when 3% beer is enough, or cigarettes when everyone agrees they kill; personal freedom. It is the basis of this country's foundation. If we start denying the expression of personal freedoms of any special interest group because of the irresponsible acts of a few people then there is a long list of things to ban, not just guns. MGN

The Caveman Exposed



By Jim Ballou

I had just hauled my Colt 1921 Thompson from my trunk to show Dave Wilson, known to his good friends as the "Caveman". The trunk has held many treasures from Stoners, Vikings, BARs, to MG-42s and Light Brownings. I asked, "Caveman, do you want to shoot it?". "That's what we're all here for!" says Dave. This is in sharp contrast to my previous offers. The difference being, this was the day before the Fall North Country Shoot, all of the other times have been during the shoot.

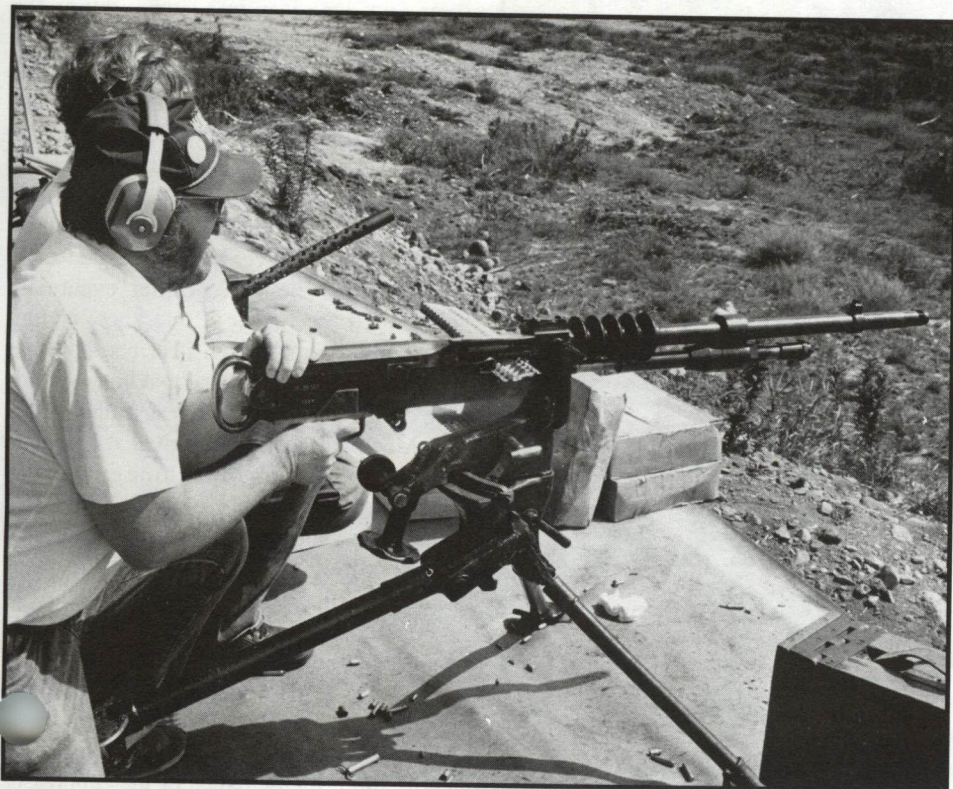
Dave takes his commitment to the machine gun industry very seriously. Whenever Dave has that Pith helmet on he is all business. Which is - providing one of the safest and best run machine gun shoots in the U. S.

Dave Wilson will readily tell you that the secret to the success of the North Country Shoot, is the dedicated staff that donates so much of their time. Months of planning and numerous meetings stressing responsibility and safety are required before each shoot. Respect and responsibility are the bywords to safe gun handling.

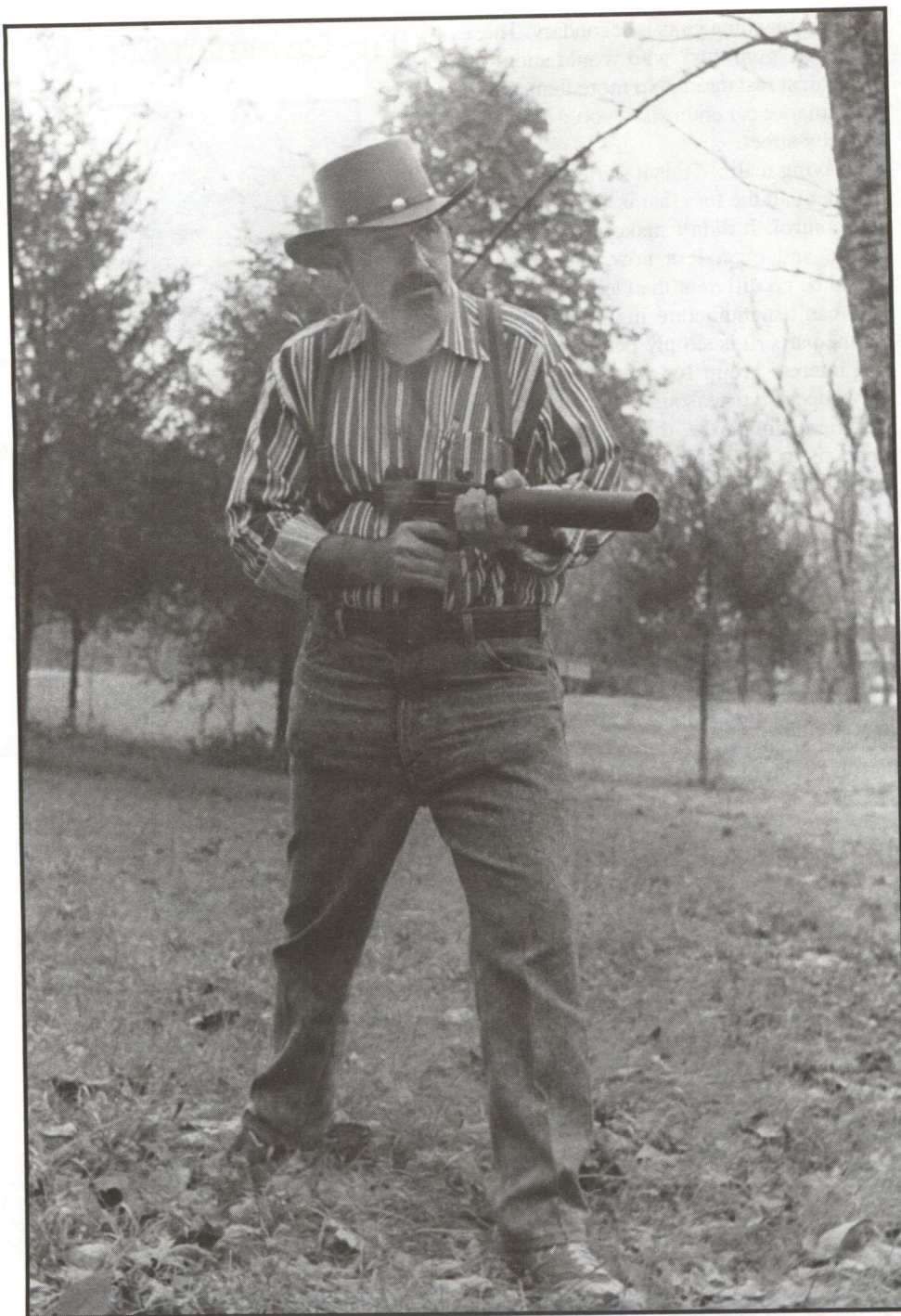
During the shoot there is one range officer per five shooters, two roving range officers, and a rangemaster in a tower overseeing all operations. Most of the range officers have radio communication and of course there is the usual PA system. The PA can be very effective when running a shoot.

When Ross Meyer was firing his 37mm Cannon from the M-3 Stuart tank they used excellent visual and audible signals to maintain safe fire lanes. It was evident that military safety procedures were followed. These procedures are truly effective.

He is the visible head that everybody complains and moans to. So hats off to Dave for all he does to let people like myself enjoy the wonderful memories of the great North Country Shoot. MGN



Firing the Benet Mercie.



Tim Bixler fires Mini Uzi with SCRC Mark 25A suppressor.

SCRC Mark 25 and Mark 25A Suppressors

by Al Paulson

While the South Central Research Corporation may not be as well known to the public as Jonathan Ar Ciener and AWC, SCRC has been working in the Class 3 realm since the late 1970s. Its president—Tim Bixler—first came to my attention in 1980, when one of his inventions was illustrated in Nelson and Musgrave's new book, *The World's Machine Pistols and Submachine Guns*, volume II. Since then, Bixler has earned the reputation as a versatile master craftsman with uncompromising attention to detail. While readers of *Machine Gun News* may know Bixler best for his work on the folding submachine gun used in the movie *RoboCop II*, Bixler also designed and patented the best quick-mount coupling for the H&K MP5 3-lug barrel. But Bixler also builds suppressors. This article will examine the history behind the development of the Mark 25 series and evaluate the performance of both early and late model cans.

Bixler's varied background has prepared him well for developing and producing Title 2 technology suitable for the most demanding applications. After mustering out of the Navy, Bixler worked as a machinist, Chicago cop, and a commercial hardhat diver. Statistically, the latter job proved to be more dangerous than being an American in Vietnam during the Tet Offensive. The odds against Bixler grew with the years of living on the edge. Since a pool of divers competed for jobs that paid \$1,000 per dive, individuals experienced tremendous pressure to push the edge of the envelope. Furthermore, if one diver was crazy enough to take a certain risk, then every diver had to take that same risk or lose the job. Bixler eventually developed the bends in one knee, cutting short his diving career. He continued to work for his company as a machinist, building diving equipment from scratch.

Meanwhile, Bixler cultivated his interest in skydiving, machineguns, and suppressors. He got to know Dr. Phil Dater soon after Dater began manufacturing suppressors in 1976. Perhaps 10 percent of Dater's earliest work went to Bixler.

Dater's business grew rapidly, especially after an article by Peter Kokalis in the November 1981 issue of *Soldier of Fortune*. All this time, Dr. Dater continued working as a diagnostic radiologist. By early 1983, the demands of the suppressor business had grown to the point that it was

no longer fun. So Dater talked the problem over with several friends and customers, and soon Lynn McWilliams had created Armament Systems and Technology, Inc. to produce and market Dater's suppressors.

Bixler was McWilliams' vice president in charge of manufacturing, and actually performed much of the machine work himself.

The story of the Mark 25 can actually start soon thereafter, in 1984.

Dr. Dater designed an ultralight suppressor for the Jati submachine gun at the request of the importer. The can featured two coaxial tubes, a thermal diffuser in the rear quarter of the inner tube, and a vacant forward inner tube. Dater simultaneously developed an improved model that incorporated baffles in the front three-quarters of the inner tube. That became the prototype for AWC's Mark 9 suppressor. Unlike the production version, the prototype featured a one-piece thermal diffuser and rear mount. Dater told me that Bixler suggested that they separate the diffuser and rear mount, so they could simply change the mount to mate the can to a variety of weapons. Only rarely would it be necessary to change the diffuser as well. This transformed the best muzzle can of the day into a truly peerless design.

For a variety of reasons, Armament Systems and Technology was allowed to die at the end of 1986, and McWilliams continued business as AWC Systems Technology. Bixler turned his full attention back to his own company, SCRC. Among his diverse projects was an attempt to improve upon Dater's Mark 9 can and its shorter variant, the Mark 9A.

Bixler developed a more strongly sloping stainless steel baffle using a different process. This lowered the can's sound signature by about 2 decibels. Bixler called his standard 12-inch (30.5 cm) can the Mark 25, and his compact 10-inch (25.4 cm) can the Mark 25A. Both have a diameter of 2 inches (5.1 cm). These variants will henceforth be referred to as "old model" suppressors. The old model Mark 25 weighs 2.0 pounds (0.91 kg), while the old model Mark 25A weighs 1.9 pounds (0.85 kg). Aside from the baffle design, the old model SCRC Mark 25 series cans were the same as AWC's Mark 9 cans. The SCRC cans could be provided with a patented mount for the 3-lug barrel of an MP5, any barrel threaded 1/2 x 28 TPI, and Ingram M10 and M11. Other

meticulously engineered mounts replaced the barrel-retaining nuts on the Uzi and Walther family of weapons. And the cans could also be provided with special ported barrels for the Sten and S&W M-76.

The tremendous care in the design and manufacture of Bixler's mounts is legendary among suppressor cognoscenti. Bixler's investment in tooling and meticulous craftsmanship exceed what is necessary to make a quality functional mount. Bixler's Uzi mount, for example, seems more like fine art than utilitarian engineering.

The simple elegance of the design belies the work that went into it. The same mount is used for the Uzi and Mini-Uzi. Once the mount is installed on the rear of the can, the suppressor is mounted on the weapon by simply removing the existing barrel nut, and then dropping the suppressor directly over the existing barrel. The can is then screwed onto the receiver until it locks up against the little trip latch that secures the normal barrel nut.

The Luger-like fit of this mount on IMI weapons means that the threads are a bit too tight for the Uzi clone made by Group Industries. Owners of the Group Industries HR 4332 should forward their gun on a Form 5 to SCRC so Bixler can custom fit the suppressor to the gun.

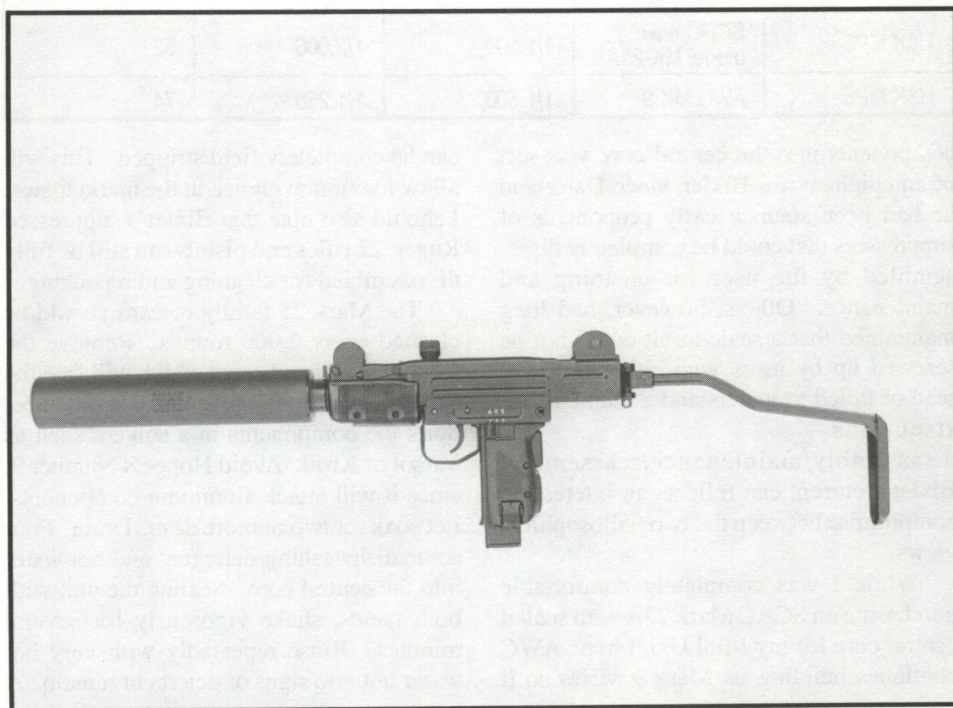
While other manufacturers commonly use simplified serrations on their Uzi suppressors to engage the trip latch, Bixler's rear mount absolutely duplicates the barrel nut issued with the Uzi. Bixler's mount has 82 teeth cut at the same leading and trailing angles as the Uzi nut, which required

developing special tooling at great expense. The mount is properly heat treated, and it's coated with black Teflon S. All of Bixler's work reflects this compulsive attention to detail and quality. Yet his prices do not reflect the 110 percent effort that goes into every product.

After producing suppressors for awhile, Bixler devoting several years to the Model 21 folding submachine gun project. While the gun is best known for its appearance in RoboCop II, it is not just a prop that looks like a radio when folded, which can actually shoot too. Having shot the weapon myself, it clearly should be viewed a serious weapon first and foremost. It handled superbly—much better, in fact than an Uzi or Ingram. The Model 21 would have proved to be a superb tool for police, executive protection teams, and military aircraft and vehicle crews had it gone into full production. The Model 21 would have been outrageous for many sporting applications as well.

After Bixler completed nine guns on transferable receivers, he went back to further improve the Mark 25 and 25A suppressors. He redesigned the thermal diffuser, shortened its spindle to make room for two more baffles, and eliminated the wire mesh wrap around the diffuser spindle. He used different spacing between baffles in the front versus the rear of the central core. Bixler then permanently sealed the components within the inner coaxial tube to idiot-proof the suppressor. These variants will henceforth be referred to as "new model" suppressors.

The decision to seal the (continues)



Mini Uzi with SCRC Mark 25A suppressor.

Table 1. Sound signatures in decibels of suppressor tests.

Gun	Suppressor	Winchester USA supersonic	Samson subsonic	Temperature Degrees Fahrenheit
H&K MP5	None	159	156	52
H&K MP5	SCRC new model MK-25	125	123	52
H&K MP5	SCRC new model MK-25A	127	123	52
H&K MP5	None	160	158	74
H&K MP5	AWC MK-9	128	127	74
IMI Mini Uzi	None	159	157	52
IMI Mini Uzi	SCRC old model MK-25A	131	130	52
IMI Mini Uzi	SCRC new model MK-25A	135	128	52

Table 2. Net sound reductions in decibels.

Gun	Suppressor	Winchester USA supersonic	Samson subsonic	Temperature Degrees Fahrenheit
H&K MP5	SCRC new model MK-25	34	33	52
H&K MP5	SCRC new model MK-25A	32	33	52
H&K MP5	AWC MK-9	32	31	74
IMI Mini Uzi	SCRC old model MK-25A	28	27	52
IMI Mini Uzi	SCRC new model MK-25A	24	29	52

Table 3. Net sound reductions expressed as fractions of original (unsuppressed) sound pressure level.

Gun	Suppressor	Winchester USA supersonic	Samson subsonic	Temperature Degrees Fahrenheit
H&K MP5	SCRC new model MK-25	1/2,500	1/2,000	52
H&K MP5	SCRC new model MK-25A	1/1,500	1/2,000	52
H&K MP5	AWC MK-9	1/1,500	1/1,250	74

components into the central core was sort of an epiphany for Bixler, since Dater and he had been staunch early proponents of suppressors that could be completely disassembled by the user for cleaning and maintenance. Others, however, had long maintained that a sealed unit could not be screwed up by users who either failed to read or failed to understand a manual's instructions for disassembly/maintenance/reassembly. Bixler's current can reflects an interesting compromise between the two philosophical views.

While I was completely comfortable purchasing an SCRC Mark 25A with sealed central core for my Mini Uzi, I hope AWC continues building its Mark 9 series so it

can be completely field stripped. This will allow maximum choice in the marketplace. I should also note that Bixler's suppressed Ruger .22 rifles and pistols can still be fully disassembled for cleaning and repacking.

The Mark 25 family of cans should be cleaned every 2,000 rounds. Remove the front and rear end caps, which will free the central core from the outer coaxial tube. Soak the components in a solvent such as Varsol or Kroil. Avoid Hoppe's Number 9, since it will attack aluminum components. Let soak for two or more days. Drain. Pour some dishwashing detergent and hot water into the central core. Sealing the unit with both hands, shake vigorously for several minutes. Rinse repeatedly with very hot water until no signs of detergent remain. A

thin coating of carbon will remain on the inner components, which may function as an acoustic buffer, according to one school of thought. Stand the core on its rear end to drain and air dry, or blow dry with compressed air. Treat threaded surfaces with colloidal molybdenum or copper high-temperature anti-sieze compound and reassemble.

When using Norinco anti-smoke supersonic tactical ammo (available only to police departments), the suppressor will require cleaning every 500 rounds, since this ammunition generates a large volume of peppery residue. This ammo is especially useful for entry teams who do not require heavy subsonic projectiles.

I measured sound signatures of early and late model suppressors on both the closed-bolt MP5 and open-bolt Mini Uzi using a Bruel and Kjaer Type 2209 Impulse Precision Sound Pressure Meter (set on A weighting) with a B&K Type 4136 1/4-inch condenser microphone. The microphone was placed 1.00 meter away from the front of the suppressor or muzzle, at an 90 degree angle from the bullet flight path. The meter was calibrated just before and just after the tests with a B&K 4230 calibrator. No instrument drift was observed. The ambient temperature ranged from 52 to 74 degrees Fahrenheit. Tests included both Winchester USA 115 grain FMJ and Samson subsonic 158 grain FMJ ammunition.

An interesting twist to this story is that Tom Seslar of S&H Arms hosted Tim Bixler and me in the Seslar home for three days and helped us conduct these tests. How many people would take three days off from their busy schedule to help a freelancer write about a competitor's wares? What a gentleman! My thanks to Tom and Peggy Seslar for their hospitality and help.

So what did we learn from the tests? The sound signatures are shown in Table 1. Table 2 shows the net sound reductions in decibels. And Table 3 expresses the net sound reductions as fractions of the unsuppressed sound pressure levels.

Several things leap out from the data. The old model SCRC design is a bit quieter than the AWC design. The new model SCRC design is a bit quieter than the old model SCRC with subsonic ammunition, but it's louder with supersonic ammo. The long variant is a bit quieter than the short variant. And the suppressors are noticeably quieter on the closed-bolt MP5 than on the open-bolt Mini Uzi.

While the data show that all the suppressors are quieter with subsonic ammo, the data fail to convey that the subsonic

SKS

America's Econoline Assault Rifle ?

By Mike Shuffield

When it comes to the popular little SKS rifles that have flooded the U.S. market like some kind of huge tidal wave, good old American ingenuity seems to be reaching an all time high. Imported in astounding numbers from various manufacturers in China, the SKS must certainly be the most prolific light assault rifle on the market today. Because of this and the higher prices of other assault rifles available, dealers have really been pushing the SKS as the affordable alternative. Now that the gun has become such a popular selling item, a whole new line of gadgets and accessories ranging from interesting to outrageous has found their way into gun shops and mail order catalogs everywhere.

This "craze" seemingly began innocently enough with the introduction of the SKS 30 round detachable magazine. Detachable? Yes. A lot of trouble? Well,

compared with most, definitely. The first ones out were somewhat crude but functional nonetheless. Now some really nice ones made from AK 47 mags. are available for about twenty to thirty dollars.

Next came those "space age plastic" folding stocks. With this stock and your thirty round magazine your plain Jane SKS could quickly be transformed into the more stylish "SKS 47." The price of this simple cosmetic face-lift which the B.A.T.F. now

says is illegal, was a mere forty to fifty dollars.

Whats next, let's see, ah, yes the SKS muzzle break. Cut down the flash and that nasty recoil for about twenty bucks.

Bipods. You gotta have bipods on a sophisticated weapon such as this. Get em' while they last for ten or fifteen dollars.

Now it suddenly becomes apparent that you are the only guy on your block whose SKS doesn't have a scope mounted on it. A hundred bucks later you're shooting straighter and have cunningly avoided be-

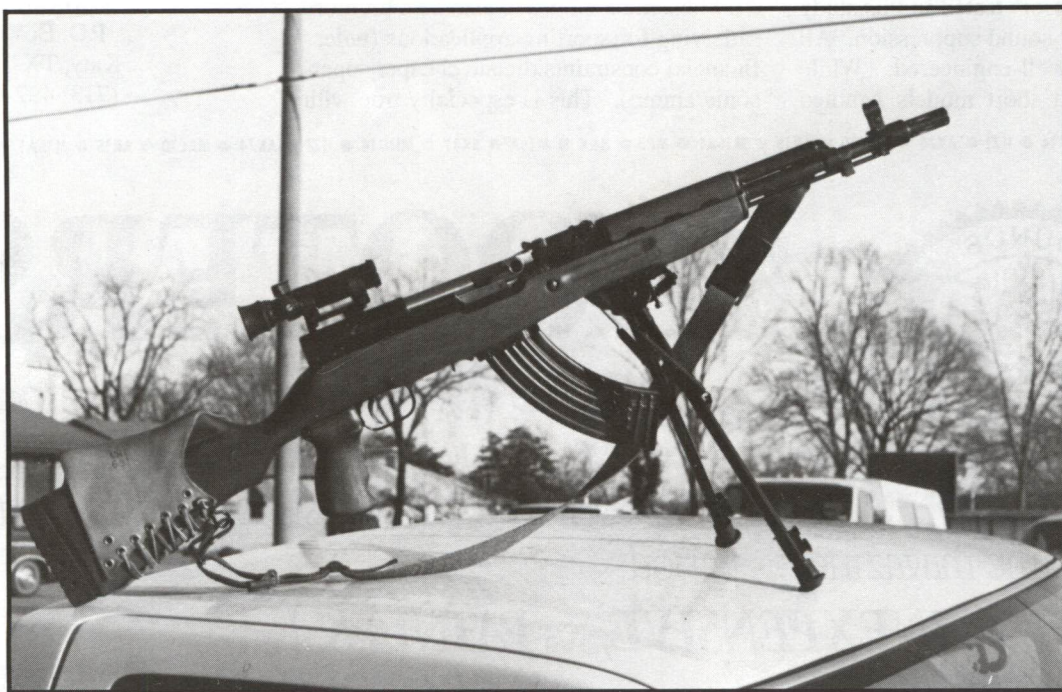
pat on the back for the money you have saved. After all, a real AK 47 would have cost you \$400.00 but your SKS 47 if you include the price of the gun has only cost you \$365.00 a total savings of \$35.00.

Some of you SKS owners might get a laugh or two from this article, and others may be slightly offended, the rest of you have probably realized what accessories your SKS is still lacking. At any rate, my apologies to anyone I may have offended, that is not my intent. I just get a little tickled sometimes at what great lengths we will go

to turn something ordinary into the extraordinary. But, hey! That's the American way, right? Of course it is, and when we see products we know we couldn't possibly do without, like camouflaged toilet paper, glow in the dark shooting glasses, and Doe-in-Rut scented after-shave lotion, we buy them. Why? Because

we're Americans, we're proud, and we can afford it, that's why. So to those of you who think the unthinkable, do the impossible, and buy the unnecessary, carry on this great tradition of freedom and enjoyment, and heed not those who would ridicule you, they're just jealous because they didn't think of it first..... By the way, has any one heard anything about a new SKS 90 round drum magazine they're coming out with?

MGN

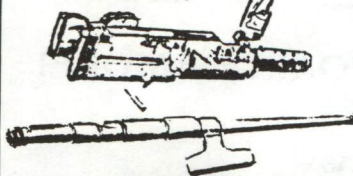


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- 1 - Cleaning Rods, 2 - Head Space & Timing Gage Assembly, 3 - Firing Pin Spring Assembly Tool, 5 - Ratchet Chamber Brush, 6 - Spare Parts Pouch, 7 - M6 Rod and Firing Pin Vest Tool. (Value Over \$60.00.)

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

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

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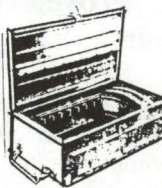
Get 12 like new Bren .303 magazines packed in their original steel carrying chest. This is the way spare magazines were carried in the field for rapid reloading.

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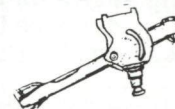
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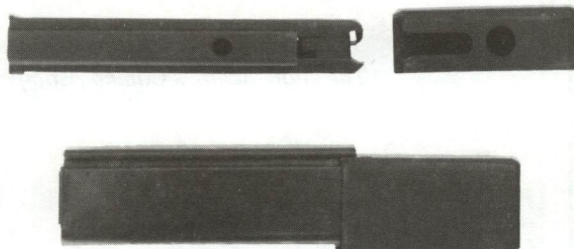


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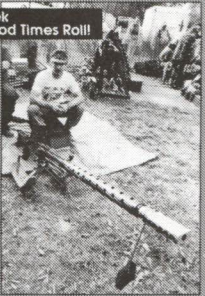
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Tinkering with Thompsons

by Jim Klodzinski of Gunmachines

The Gunmachines Combat/Competition TSMG, Part I

I have received reports over the past few years that many law enforcement agencies in the United States are continuing their practice of selling or trading their Thompsons for modern subguns for their armories and SWAT teams. This, of course, is good news for civilians who wish to purchase a vintage TSMG. But I can't help thinking, and I have become convinced, that law enforcement agencies would do well to seriously consider keeping their TSMG's as viable additions to their armories.

Also, over the last years the number of full-auto shoots has significantly increased in various parts of the U.S.. Many of the shoots are primarily geared to just shooting off ammunition, such as the Knob Creek Shoot; but many shoots are geared to competition matches. Those who shoot full-auto subguns competitively generally use a subgun other than a Thompson.

The TSMG is over 70 years old and viewed by most as an "old war horse" that has had its day in history. It is no longer considered appropriate armament in the modern world. It may be fine for civilian full-auto shooters who like the nostalgia associated with a 1921 or 28 or even with a World War II military model; but its "out of date" for serious use in the modern world.

Actually a stock TSMG - whether a 1921, 1928, M1 or M1A1 - may just be the ideal sub-gun for law enforcement or competition purposes. And, with a few modifications, the TSMG could outclass many, if not most, of the modern subguns currently used for law enforcement or competition purposes. A stock TSMG, regardless of which model, offers the following advantages:

1. The profile of the TSMG is well known and it has a high intimidation factor.

(This point, of course, would not be relevant for competition purposes.)

2. The TSMG is very controllable within effective full-auto ranges.

3. The .45 ACP caliber is recognized by most as an effective man-stopper, and with its increased muzzle velocity from a TSMG barrel it is even more so.

4. The TSMG is basically of a simple functioning design.

5. The TSMG is easily repairable simply by substituting surplus parts. In fact, if a part, other than a barrel or springs, is no longer available, it can be made in a standard equipped machine shop.

6. The TSMG functions reliably or can be made to function reliably.

7. A reliably functioning TSMG can digest any type of .45 acp. ammunition, including a variety of bullet weights and bullet shape.

8. The 1921 and the 1928 offer superior magazine capacity with 50 and 100 round magazines when needed.

9. The TSMG is strongly and ruggedly made and it can take a lot of abuse and continue to function reliably.

10. The TSMG design lends itself to simple modifications to enhance its combat and competition role.

The disadvantages of the TSMG for law enforcement and competition purposes are generally expressed as being a case of "too big", "too heavy" and "too old". Actually, the TSMG is not much bigger than a MP-5 and with the stock off, as in the case of a 21 or 28, it is about the same size. As to its weight, the TSMG unloaded weighs about 10 pounds. Although this may be a problem in military applications where the TSMG may be carried for extended periods of time, the weight factor is not of much importance for law enforcement or



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competition purposes since extended carrying time is not generally part of the scenarios involved. The weight of the TSMG contributes to the controllability of the TSMG during full-auto firing. As for the age of the Thompson, this ought not to be a factor since the passing years have only proven its functioning reliability, even in adverse rugged conditions. Further, even though the THompson is old, parts are often more easily attainable for it than parts for many modern subguns.

Under the "too old" criticism also comes the charge that the Thompson isn't chambered for the new "in" cartridges such as the 9mm and 10mm. As a practical matter it may not make much difference whether its a 9mm, 10mm or .45 acp that comes out of a barrel of a subgun in terms of stopping or penetrating power. Actually, other than someone's subjective vision of what is considered obsolete, the TSMG in any of its models is still a good choice for combat or competition purposes. Some of these modifications have been discussed in past articles in this series, and other modifications have not, as yet, appeared in print. Gunmachines has developed the concept of the combat/competition Thompson utilizing many of the modifications that have occurred to us over the past five years. We are in the process of manufacturing a prototype incorporating these features. Next month we will cover these features. Most of them can be added by the average TSMG shooter; but a few require the services of a competent machinist.

Next Month: The Gunmachines Competition TSMG, Model 1991.

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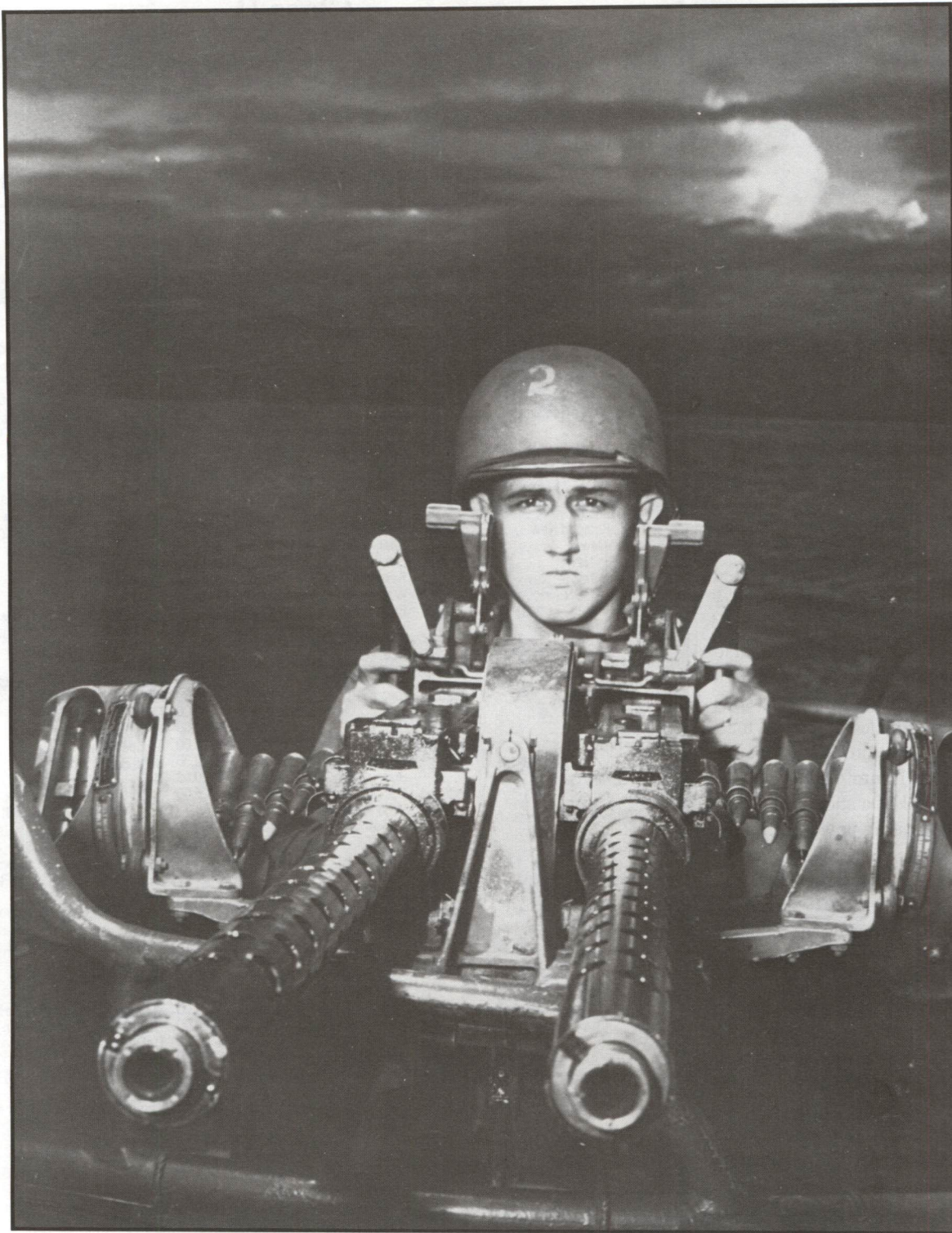
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Archive Photo of the Month

From the Robert Bruce Collection



New Guinea, July 1943. Twin 50's on a PT boat at sunset. Old "Ma Deuce" did yeoman duty on land, in the air, and at sea in WW2, providing devastating firepower against the enemies of democracy.

Credit: US Navy/National Archives. Negative ID: W&C 941 Copyright © 1992 Robert Bruce Photography
Editor's Note: Prints of this and many other historical auto weapons action photos are available for publication by special arrangement with Robert Bruce Photography, PO Box 482M, Sandston, VA 23150. Send SASE for details. (Robert also buys foreign-language manuals, sales brochures, etc. for auto weapons from 1900 to 1970)



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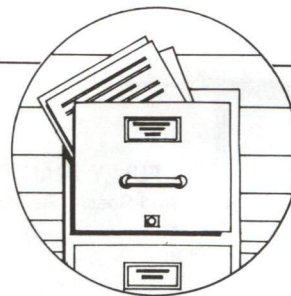
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The Forms

by Dan Shea



When NFA Branch moved last spring, they borrowed the fax number from the office across the hall. For those of you who are using faxing for transfers, here is the correct number for NFA Branch:

NFA FAX Number is 202-927-8601.

You may also have noticed a slowdown in transfer time. NFA has lost four examiners, and the remaining people must pick up the slack.

The following letter from John S. Friscia to Nadine Strossen of the ACLU is a classic. I am including it here to help make you aware that the ACLU is currently reconsidering their official stand against our rights that spring from the 2nd Amendment. Read on...

John S. Friscia
Attorney at Law
Staten Island, New York

November 21, 1991

Nadine Strossen, President
A.C.L.U.

132 West 43rd St.
New York, NY 10027

Dear Ms. Strossen:

Please find enclosed a copy of my September 20, 1991 letter to your attention. As of this time I have yet to receive a response from your office concerning my inquiry of 9/20/91 and Mr. Oefinger's case. Many inquiries have been brought to my attention concerning the A.C.L.U.'s current reconsideration of its position concerning the Second Amendment of the Constitution. However, I have been unable to respond to same.

It would seem that in light of the decisions of *U.S. v. Haynes* as well as the *Perpich vs. Department of Defense*, *U.S. v. Verdugo-Urquidez*, et al and the classic *Dred Scott Decision* that the A.C.L.U.'s reconsideration of its position is not only well-timed but long overdue. As a recognized leader in the field of constitutional rights activism it would be a milestone in

legal precedence if in fact the A.C.L.U. had reconsidered and changed its previous stance concerning the Bill of Rights and their individual protections. As an attorney engaged in private practice and formally employed as a legal aid defense attorney. I would welcome a response either in the affirmative or to the negative as to whether or not the A.C.L.U. will continue to champion the protections of the United States Constitution.

Thank you for your attention in this matter.

Your Truly,
John S. Friscia

Q Having hungrily devoured the contents of the December 1991 issue of your magazine, I developed heartburn when I got to the "Forms" section and read about the "48 Hours" segment. Since I don't care to patronize CBS in any way, I had not seen this episode. You can imagine my surprise to read what you had in that column! As a police officer, I was taught that no one is above the law, not even the President, yet here are people who are not being prosecuted for committing a Federal Crime. This morning, I called both my Senator's offices and the office of my Congressman, and asked if they knew about this atrocity, and what those representatives' opinions were on the subject. Next, I called CBS and ordered a copy of the episode (*Armed & Deadly*, aired 3-16-89) for \$ 32.00. I intend to continue calling Washington at least once a week to see if I can get someone to charge these bozos with manufacturing an illegal machine gun, and the executives of CBS with conspiracy to commit a felony. I also intend to send copies of the videotape with written requests to prosecute to my Senators, my Congressman, the President, the Attorney General, and the head of BATF. If prosecution is still not pursued, I will ask two things: (1) Why not, and (2) where can I get press credentials, so that I can get away with the same thing.

Perhaps if a lot of people out there did likewise, someone just might get off their ass and do something about this.

Michael

A I love it when you talk that way. If more of us would get active, the anti-gun faction might have to live within the same laws as the rest of us, even when they are trashing our rights. The following letter to our brother in arms John S. Friscia, Esq., reprinted with his permission, is from Deborah C. Westbrook, a legal Counsel with the U.S. Department of Justice. She considers the issue closed. I've got news for her-WE DON'T.

U.S. Department of Justice
Executive Office for
U.S. Attorneys

John S. Friscia, Esq.
Staten Island, New York

Dear Mr. Friscia:

This is in response to your letters of October 16 and November 8, 1991, inquiring into procedures for obtaining a "reporters privilege" exemption. It is not the Department's policy to approve or grant any exemption, including that categorized as the "reporter's privilege". There is also no policy in the Department of Justice to recognize any "reporter's privilege" when it comes to criminal offenses. Each and every matter is examined on its merits as to whether further investigation and/or prosecution is warranted.

We are not aware of any procedures to be followed to qualify for the referenced exemption. The United States Attorney's offices have wide latitude in deciding which matter to investigate and prosecute. The United State Attorney's office for the Southern District of New York determined, after a careful examination of the facts, not to prosecute members of the CBS program 48 Hours.

I hope this information is useful to you. The Legal Counsel's office considers this matter closed.

Sincerely,
Deborah C. Westbrook
Legal Counsel

Q I have a question regarding A.O.W.'s. I recently found, at a gun show, an N.I.B. Smith and Wesson Model 270 "International Line Thrower". When I asked the seller if it was an NFA item, he replied, "I don't know so—I've had it for 7 or 8 years, hanging on my wall." The NFA Technology Branch in Washington, D.C., says it is an A.O.W. period. When I asked them where the A.O. W. paper work starts, at the manufacturer or at the dealer, he replied he could not divulge this information. I then asked if I could get A.O.W. paperwork for this gun and he said no. How did this gun escape without paperwork? And how then do they get paperwork for guns like the H & R Handy Gun or the Marble Game Getter which are in their BATF Yellow Book P 5300.1 as \$ 5.00 transfers? These guns were made years before the G.C.A. of '68, yet they are legal to own. Isn't there some way to bring this gun on board, as others, and make it legal? Thanks for an informative and fun magazine with information found no where else!

Tom

A The registration of an NFA firearm starts at the manufacturer, whether that is a licensee with a form 2, or an individual with a Form 1. An existing, unregistered firearm is illegal, can not be registered. It must by law be turned in to BATF, or at least to the local police. These guns were made before the 1968 Amnesty, and nobody bothered to register them. There is no recourse.

Q Is there any advantage to having a Class 2 manufacturers license over a Class 1 machine gun dealers license? Chuck

A Lots of advantages. A Class 2 manufacturer can:

1. Possess silencer parts.
2. Send silencer parts to other class 2's.
3. Manufacture post 86 dealer sample machine guns without a police letter.
4. Import R&D machine guns without a police letter.
5. Have more types of NFA Firearms than a class 3 in some states that have restrictions.

Example - silencers in Massachusetts. He also has more responsibilities, as in reporting requirements and payment of excise tax. Check out the Machine Gun Dealers Bible - it gives a more thorough comparison.

Questions to:

Dan Shea

C/O MGN

PO Box 759

Hot Springs, AR 71902

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

S & H Arms all new in box: HK MP5, MP5SD, MP5K, HK33, HK53, HK 51, HK

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For Sale: Maremont M60, Tripod, extras \$8200.00, AO M1A1 Pre 86 DS, \$1450.00 214-240-5350 evenings. (xfeb)

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

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MP5 A3 \$2575, MP5K w/3 lug barrel \$2450, both by S & H OKC. Transferable HK Lower - Convert your HK \$875, make offers. Reasonable transfers Florida Residents. Terry 305-473-4434. NFA rules apply. (xmar)

Rare Find - We found a very limited quantity of quality G3 308 cal. barrels. These are new in the wrapper barrels will fit H & K 91, SAR 8, SAR 3, and other G3 type rifles. Who knows when a ban on parts will happen. Get them while they last only 150. ea. 4.00 for shipping. R Guns 140 N. Western Ave. RT 31 Carpentersville, IL 60110. 708-428-3569. Visa, Mastercard. COD O.K. (xfeb)

New Hampshire Dealer will do transfers. MP5A3 \$2,699.00 Ruger AC556F \$895.00, UZI \$1,299.00, AR 18 \$999.00, Pre-May DS BXP Panther 1 of 6 in country \$1,695.00 603-642-4360

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Thompsons: truly nice units in inventory. Too many to list in this ad. Call for info or send business size sase for current list and prices. Frank/F.D.S. (214) 539-8096 P.O. Box 292156, Lewisville, Texas 75029-2156. NFA/BATF rules apply. (xSept92)

Colt 20 rd mags 5 for \$35. ppd. Carbine dust covers \$12.00 per 100 ppd. Wanted .223 drum mags. Walt. P.O. Box 392, Watervliet, NY 12149. (xdec) All NIB: MP5A3 \$2800, MP5A3SD \$3450, MP5K \$2000, HK33 \$2650, HK53 \$3050 - All HK's by S & H; M10 (PS) \$1000 & MK760 \$750. EX. RR Colt AR15A1 \$1600. Call John (713) 474-3308. (xfeb92)

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Transferable Machine guns, new and collectable too many to list please call for info/listing. Gus (203) 929-6799 or Brian (203) 268-7932 (xjune)

For Sale: 1928 Thompson W/2 orig. drums West Hurley NIB \$1800, American 180 (USA made rare) w/2 barrels fully trans. NIB \$1750, AK47 Tanker (Fleming) NIB, w/75 rnd drum 7.62 x 39, fully trans. \$2000, Mini Uzi (NIB) Pre-86 D/S \$1800, Sell all for \$7200. Call 708-998-6450 Weekends or after 7pm days All NFA rules apply. (xfeb)

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Question! - Why do you want full auto? Answer - to launch more bullets down range at a faster rate. Right! Now you can launch two bullets down range per shot with BMA Duplex ammo. 9mm, 45 ACP & more. Load your own or buy direct. Send long SASE for info or call and leave clear message of your address. See us in Machine Gun News Jan. 1991, Sportsmans Gun Annual 1992, Handguns Nov. 1991. Ballistic Metal P.O. Box 25550, Ventura CA 93002. (805) 643-7110. (x)

Want RIA M60 Absolutely NIB, Will Trade or Sell, Polytec AK .223 \$1525.00, Ruger AC556F Folder \$1100.00, Micro UZI 9mm Folder \$1700.00, AWC Ruger 77/22 BLK/BLK (2 ea.) NIB \$700.00 each, AWC Nexus Matte Stainless NIB .45 \$625.00, AWC MK9A NIB for UZI Micro \$400.00, Same for MP5 3 Lug NIB \$400.00, AWC/Ruger 10/22 Walnut/Black NIB \$575.00 Phone/Fax 216/943-2551. (x)

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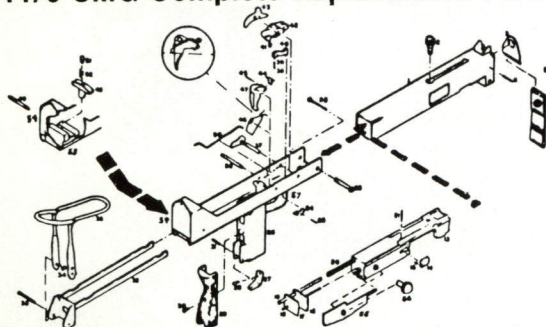


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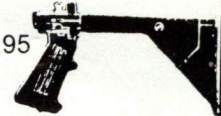
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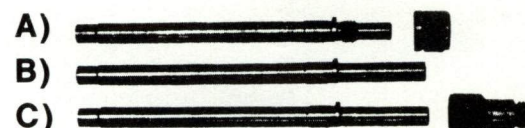
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