

Canada \$3.25

48883

New Breed



The Magazine for the Bold Adventurer

DGS
£1.60

Kicking Red Ass In The Caribbean:
THE BUCK STOPS HERE!

With The 82nd Airborne:
PRELUDE TO AN INVASION

The Deadly MAC M-10/11
**NEW INSIGHTS ON A
RELIABLE WEAPON**

Our Other Peacekeeping Force:
**ARE TERRORISTS PREPARING
A SINAI ASSAULT?**

From Semi to Automatic Fire!
**J.C. FARMER,
THE MACHINEGUN MAN**

www.MAC10.NET



The Ingram SMG system is based upon a design philosophy of low-cost, high volume production with a relatively inexpensive selling price.

Insights On A Reliable Weapon:

THE MAC M-10/11 SUBMACHINE GUN

BY O.C. BUSCHOW



So you want to own a submachinegun and you've been shocked at price tags which would choke a camel! How does one get his money's worth in the automatic weapons marketplace? While avoiding the twin pitfalls of greed, and the limited number of legally registered SMG's for sale in the United States? First, purchase only from a reputable class-III dealer. Second, buy a newly-made gun that has not been previously sold. This is a problem since there are not many private SMG manufacturers that offer their wares for commercial sale. In the U.S., class-III gun makers are closely regulated and heavily taxed. One such firm is RPB Industries Inc., P.O. Box 6228, Atlanta, GA, 30307. They produce the Gordon Ingram designed MAC M-10 and M-11 SMG's.

The Ingram SMG system is based

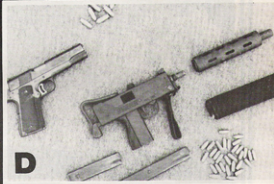
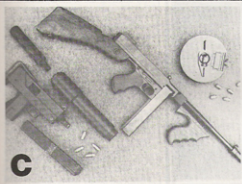
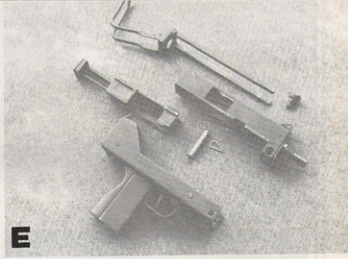
upon a design philosophy of low-cost, high-volume production with a relatively inexpensive selling price. At first glance, the MAC SMG's might be mistaken for large handguns. The small size is complemented by a very high rate-of-fire (1100 RPM). The system is tailored to three (3) different cartridges (.380 ACP, 9mmP, .45ACP), and comes in two model sizes, M-10 and M-11. It quickly accepts various muzzle attachments including a Sionics Ltd. designed sound suppressor (silencer). The system was originally designed for use in conventional clandestine operations by military, intelligence, and law enforcement agencies. It is now enjoying wide acceptance by the general shooting public. But is the Ingram MAC SMG a good product? Is the low price the only virtue? Will it hold up under heavy use? These questions will be examined

in detail.

MAC M-10

The MAC M-10 is the original member of the system. It was designed in the late 1960's to meet the designer's goal of minimum size/weight compatible with controllability. Originally produced by the now-defunct Military Armament Corporation (MAC) in .45 ACP, it was co-designed to accept 9mmP cartridges to make a more universal world-wide military product. The basic design allows quick and easy hand installation of various accessories to the short, externally threaded muzzle. The diminutive dimensions (half the size of the SMG), called for maximum usage of the "telescoping bolt/barrel concept" first introduced in the early 1950's. This feature permits an extremely short overall weapon

Figure A, Ingram's MAC M-10 with sling and Sionics-designed sound suppressor. Figure B, left to right, MAC M-10, .45 ACP with silencer; MAC M-10, 9mmP; MAC M-11, .380 ACP with silencer along with some accessories. Figure C, 1st and 3rd generation SMG's. MAC-10 next to the famous Thompson SMG. Both .45 ACP. Figure D, .380 ACP chambered MAC M-11 SMG is approximately the same size as the famous Colt .45 automatic pistol. Figure E, disassembled 9mm MAC M-10 showing the major parts. Note the special "home-made" front receiver pin and retaining clip described in the article.



length by allowing much of the bolt mass to "overhang" and partly surround the normal length SMG barrel.

The MAC M-10 is basically a very compact selective fire, blowback-operated submachinegun that operates from the open-bolt position. The bolt has a fixed firing pin. Internal parts are housed in a square-section, two-piece, stamped and welded steel receiver. The sheet steel grip functions as the magazine well. It is welded to the lower receiver. This combination of grip/magazine well allows quick and easy magazine replacement due to the "hand-finds-hand" principle. The light-weight bolt permits an extremely high rate of fire. With familiarization, fast trigger operation will limit bursts to 2-5 rounds. A "double-action" collapsible buttstock and front grasping

strap provide extra control surfaces for two-handed use. The exterior side surfaces are smooth and will not snag on clothing.

The major differences between the 9mmP and .45 ACP chambered MAC M-10's are: the bolt, barrel, and magazine. The 9mmP version has a noticeably higher rate-of-fire (approximately 1100 RPM vs 950 RPM). The double-row, double-feed, tapered-box 9mmP magazine makes the smaller-caliber gun the more reliable combat weapon (modified Swedish-K/Walther MPK/L magazine).

The .45 ACP version is hampered by an obsolete single-row-feed magazine (modified M-3 "grease gun" magazine). The MAC M-10 sub-machinegun will feed and fire reliably with all types of ammunition after a short "break-in" period.

MAC M-11

The MAC M-11 is the third member of the MAC SMG family trio. It is a reduced-size redesign of the MAC M-10, and is chambered for the .380 ACP cartridge (9mm Kurtz/Corto). It is a "mini machine pistol" in the truest sense of the word. The gun is small! The basic description of the MAC M-10 applies to the M-11 as well. Because of the lighter-weight bolt, cyclic rate-of-fire is approximately 1200 RPM. At close range, its target effectiveness is about equal to the slower firing .45 ACP MAC M-10.

The magazine is the weak point of the MAC M-11 SMG. It is a smaller version of the single-row-feed, .45 ACP caliber "grease gun" magazine without the strengthened top portion. It suffers from the same complaints of suspect



ability to dirt and jamming. Even with the furnished magazine loader, it takes a long time to fill to capacity.

TAKEDOWN PROCEDURES

Field stripping of the MAC M-10/11 SMG is extremely easy and straightforward. No special tools or procedures are required, and the ease of cleaning simplifies this sometimes arduous chore.

Takedown is accomplished by removing the magazine and clearing the chamber. Use a bullet nose, or ball-point pen, to push the lower front receiver pin out of its recess. Grasp it and pull it out of the gun. Then, push the barrel/upper receiver backwards and lift it out of the lower receiver. Holding the upper receiver, slide the bolt handle to the rear, and lift it up and out of the bolt. Slide the bolt out of the rear of the upper receiver. To remove the telescoping/folding buttstock, merely depress the stock latch button on the rear undersurface of the lower receiver. Pull it to rear and out of its recess.

This is as far as the MAC M-10/11 SMG normally needs to be taken apart for cleaning. Further disassembly details are outlined in the owner's manual.

SHOOTING IMPRESSIONS

All models of the MAC M-10/11 SMG system were evaluated during a five week shooting period. New demonstrator guns, with accompanying sound suppressors and other accessories, were furnished through courtesy of Don's Gun Sales, San Antonio, TX. Older, much-fired, privately-owned guns were also evaluated to determine long-term durability. All owners were present during tests, and offered valuable comments and suggestions. Shooters had a wide range of experience, from none, to that of Vietnam combat veterans familiar with a variety

Left, top, author firing .45 ACP caliber MAC M-10/11 at 4X4-inch oak wood blocks. Note five empty cases in air illustrating high rate-of-fire on full auto setting. Center, .45 ACP MAC M-10 fitted with sound suppressor. Ammunition used is Speer "Lawman" with 200 gr. JHP bullets. The effect on 4X4 inch oak-wood blocks is awesome. Bottom, 9mmP caliber MAC M-10 with suppressor showing high rate-of-fire. Six empty cases can be seen in midair. Note that shooter is using shoulder sling to help support weapon.

of U.S. and foreign full-automatic weapons.

It was quickly discovered that the MAC SMG's are extremely easy to shoot. Although hampered by heavy/stiff trigger pulls, accuracy is comparable to other SMG's. The high rate-of-fire took practice getting used to. All types of ammunition worked without fail. Lead-bullet ammunition exhibited a much slower rate-of-fire than jacketed-bullet cartridges (approximately 800-1000 RPM). The Hornady flat-nose, truncated-cone FMJ bullets proved to have outstanding accuracy.

All shooters preferred using the guns while fitted with barrel extensions or sound suppressors. The guns "felt safer" and were easier to aim and shoot. The most popular gun was the little MAC M-11. Invariably, the .380 ACP test ammunition would be exhausted before the 9mmP or .45 ACP ammunition would be half gone. Novice shooters called the MAC M-11 "an adult toy" that was a whole lot of fun. More experienced users felt that it was an "expert's gun" for a specific/limited use, and always with the sound suppressor attached.

PROBLEM AREAS

The MAC M-10/11 SMG system is very good, but not perfect. There are six shortcomings. They are mostly user correctable, but some require factory modification.

First and foremost, The gun is not really safe to shoot without the barrel extension or silencer attached! The short barrel is so close to the front of the receiver that it presents a safety hazard. It would be all too easy to accidentally let your forward hand stray into the line of fire. Use of the barrel extension, or silencer, provides a firm forward grip with improved pointing and aiming control. *Continued on page 64*

Very surprised shooter just had a 9mmP cartridge prematurely fire before being fully chambered. Round "hung up" on the chamber lip, and the fixed firing pin struck primer hard enough to set it off.

Shooter and gun were not hurt.

Center, .45 ACP caliber MAC M-10 fitted with standard barrel extension.

Bottom, older 9mmP MAC-10 fitted with non-standard barrel extension.

Target was shot at 10 yards, using the Hornady accurate full-auto target grouping. Field stripping the MAC M-10/11 is easy and straight-forward.



The continuous interest in the MAC M-10/11 has sparked additional spin-off designs, a healthy sign for a quality submachinegun.

TECHNICAL DATA INGRAM MAC M-10/11 SMG SYSTEM

	M-10	M-10	M-11
Caliber.....	.45 ACP	9mm	.380 ACP
Barrel Length.....	5 1/4 in.	5 1/4 in.	5 1/4 in.
Weight w/o Magazine.....	6 1/4 lb.	6 1/4 lb.	3 1/2 lb.
Length (Stock Closed).....	10 1/2 in.	10 1/2 in.	9 1/2 in.
Length (Stock Open).....	21 1/2 in.	21 1/2 in.	18 1/2 in.
Width.....	2 3/4 in.	2 3/4 in.	1 3/4 in.
Sights.....	—	Fixed Post & Aperture —	—
Safeties.....	—	Two — Manually Operated —	—
Magazine Capacity.....	30 rd.	32 rd.	16 rd.
Type of Fire.....	—	Semi-Auto & Full-Auto —	—
Cyclic Rate-Of-Fire.....	1000 RPM	1100 RPM	1200 RPM
Suppressor Length.....	11 1/2 in.	11 1/2 in.	8 1/2 in.
Suppressor Diameter.....	2 1/4 in.	2 1/4 in.	1 3/4 in.
Suppressor Weight.....	1 1/4 lb.	1 1/4 lb.	1 lb.

NOTE: All Measurements To Closest 1/4 Inch Or Pound.

Secondly, the retractable, pivoting buttstock is an abomination! Marginal-ly OK for underarm support during hip-level shooting, it is totally inadequate for aimed shoulder-position shots. Manipulation during unfolding and extension must be exact or the buttstock may unexpectedly collapse during firing. The maker offers a rigid buttstock as an optional accessory.

A third complaint, is the single-row-feed of the .380 ACP/.45 ACP magazines. These guns deserve a good, well-designed, double-row-feed magazine. The existing magazines are difficult to load and keep clean.

Fourth, is the MAC M-10/11 double safety arrangement. The sliding safety, located in the triggerguard bow, only blocks trigger motion. The bolt handle acts as a forward bolt lock safety. Rotating the bolt handle ninety degrees locks the bolt in position, and prevents the possibility of the bolt being jarred and stripping a round from the magazine. Since the bolt has a fixed firing pin, this could result in an accidental discharge. Both safeties require two hands to operate (one holding gun, other working appropriate safety).

Fifth, a problem noted on older and very well-used 9mmP MAC M-10's is the tendency of the forward receiver pin, which holds the two receivers halves together, to "walk-out" during extended firing. This causes the pin to bear

only on one side of the lower receiver and "wallows-out" the load-bearing hole. An owner modification is to make a longer length pin and use a spring retaining clip through the end of the protruding pin.

Lastly, the high cyclic rate-of-fire wastes ammunition! There are two solutions and both are manufacturer-only modifications: The first, increase the bolt mass and spring strength to slow the firing rate; and secondly, install a burst-fire selector which would permit a 3-round burst with each pull of the trigger.

SUMMATION

Within its limitations, the MAC M-10/11 SMG weapons system is an excellent concept. Successfully tested and proven in limited Vietnam combat, today it languishes in a sort of limbo. Government purchase is unlikely because of questions about the role of the SMG, and indecision over the 9mmP/.45 ACP caliber choice for NATO usage by the U.S. Covert purchase/use of the MAC M-11 SMG has probably already reached acceptable levels and further purchase publicity is unwanted. Only the civilian U.S. shooter appears to be interested. This continued interest has sparked additional spin-off designs, and corporated growth of the manufacturer. A healthy sign for a good quality and inexpensive submachinegun.



**DARING... DEMANDING...
AND DECIDEDLY DIFFERENT
ARE THE MEN BEHIND THE**

UNIFORMS OF THE ELITE FORCES

**By Leroy Thompson
& Michael Chappell**

Here is a spectacular opportunity to discover the inside news, special techniques, exact uniform details and description, weapons, and complete gear worn by those whose missions can only be described as "SPECIAL".

"Elite" or "Special" is used to define the soldiers of the United States Special Forces, the British SAS, Israeli Parus and others who lead in battle and take on top secret and dangerous missions. And here are nearly 100 detailed, full-color illustrations of these brave and skillful soldiers—specially selected to venture deep into enemy territory to handle missions that go beyond the capabilities of regular troops.

Shown with special equipment made for a variety of difficult circumstances, these vivid drawings represent commandoes, sappers, pathfinders, frogmen, 82nd Airborne and terrorist units of the world armies, NATO/USA special forces, the Navy DDT, and fighters from more than 40 countries, including Rhodesia, Yugoslavia, China, Brazil and Egypt. Every uniform has been thoroughly researched down to the last detail—with exact duplications of color, background and weaponry.

In addition to the 32 pages of superb full-color illustrations, you'll also learn vital (and often nearly top secret) information about:

- the special weapons used, from sniper rifles and machetes to infrared devices for night capabilities
- the origins of the uniforms
- the meanings of the different insignia
- ingenious camouflage techniques
- accurate descriptions of the intensive training and death-defying missions performed by these daring warriors

Expertly written by a former USAF Combat Security Policeman and accurately illustrated by a former soldier of the British Army, this fascinating book will be an invaluable source of information and technical know-how to military buffs, historians, manufacturers, model makers, war-gamers and anyone seeking a revealing look into the most intriguing special forces of the world! 160pp, 5 1/4 x 7 1/2 Hardcover \$12.95

NEW BREED PUBLICATIONS, INC., P.O. BOX 428,
Nanuet, N.Y. 10954

I want _____ hardcover copies of UNIFORMS OF THE ELITE FORCES priced at \$12.95 per book. My check/money order is enclosed for \$ _____ plus \$1.50 additional postage and handling per book.

Name _____
Address _____
City _____ State _____ Zip _____