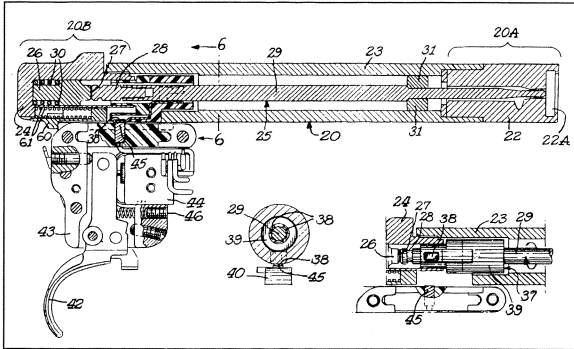


# ★ AMERICAN GUNSMITH®

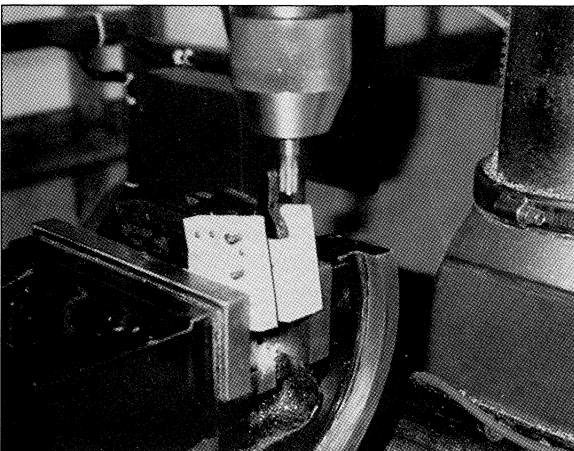
The Official Publication of The American Gunsmithing Association



Remington EtronX...page 3



The 1911 Clones...page 8



Easy Serrating and Checkering...page 20

## 3 An Overview of the Remington EtronX Electronic Rifle

Now available in three calibers—.220 Swift, .22-250, and .243 Winchester—Remington's EtronX may be the first successful "smart gun."

## 7 Will You Keep This Gun For Me?

Do you know your rights and responsibilities regarding the storage of personal guns in your shop?

## 8 The Age of the Clones: The Other 1911s

Although the venerable 1911 remains largely unchanged as it heads into its second century, there are important differences in the newer variations.

## 12 How to Build the Todd Crosshair Sight for Handguns

Here's a do-it-yourself alternative to the notch-and-blade handgun sight that rivals the electronic sight for accuracy and ease of use.

## 17 Microlon Gun Juice

This product claims to increase muzzle velocity, improve accuracy, and prevent corrosion. And guess what? It does.

## 20 Easy Serrating and Checkering

This inexpensive shop-crafted tool makes it easy to serrate and checker in your mill-drill.

2 The Editor's File

22 AGA News

23 Reader Forum

# Microlon Gun Juice: Snake Oil For Guns or a Modern Miracle?

*This product claims to increase muzzle velocity, improve accuracy, and prevent corrosion. And guess what? It does.*

**H**ow many years ago was it? Andy Granatelli of turbine-engine Indy car fame used to take a screwdriver, dip it in STP, and defy anyone to hold onto the blade. Nobody could do it, because, in those days, STP contained molybdenum disulfide. As a compound, moly-di had a molecular structure that was like rolling thousands of very small, highly polished ball bearings between your fingers. No wonder it reduced friction in an engine.

More recently, moly-based protective coatings have been used on firearms. Now they're used on bullets. We don't know whether moly-di is an ingredient in Microlon Gun Juice. But we do know it's slippery.

Say what? You heard right...Microlon Gun Juice. It's never been advertised, but has literally traveled around the world by word of mouth as a friction reducer in racing cars and aircraft. The formula is secret, and has been for over 30 years.

How secret? When its inventor, a Texan named Bill Williams, was whipping up a batch, he did so with a pearl-handled .45 Long Colt on his hip and an armed guard at the door. Since its invention, several hundred industrial labs have tried to duplicate the formula without success, and an outfit or two have been successfully sued for claiming they had.

Williams' creation was actually inspired by his wife's desire to hunt with him. Being an extremely slight person, she couldn't withstand heavy recoil. The answer appeared to be a rifle chambered for a .17-caliber cartridge her husband designed and manufactured. In an interview held before his passing, Williams stated: "It got out there at extreme velocity, 7000 feet per second, but it burned out the barrel after 100 rounds." And so began his search for a rifle-barrel coating that would prevent carbon buildup and reduce friction.

His knowledge of chemistry convinced Williams that Teflon alone wouldn't stand up to the 52,000 pounds of pressure and 7000 degree F temperatures. Teflon liquefies at about 725 degrees and becomes a gas at 775 degrees. But he also knew there was nothing more slippery than rubbing two pieces of Teflon together, so he gathered some TFE resins, a few other substances and began experimenting.

One hundred and twenty seven formulas later: Eureka! A rifle treated with Williams' mixture fired 26,000 rounds of the .17-caliber ammo without the rifling showing any measurable wear and without accuracy being affected. A U.S. Army machine gun similarly treated allowed the weapon



*Above: Many other manufacturers and laboratories have tried to duplicate the very secret formula that is Microlon Gun Juice, but none have come close, and a few have been successfully sued for falsely or erroneously claiming they had.*

to function perfectly beyond "cook-off" temperatures—which automatically ignite a round when it's chambered into the overheated breech.

So just what is Williams' magic potion? It's the smoothest dry-film lubricant known. It is inert, will not wear off, and can only be removed by machining or elevating the temperature of a treated part to at least 775 degrees. When unburned powder and other byproducts of firing appear in a treated gun barrel, they are removed with a bit of solvent and patching.

That's it. No oil is called for or needed, and the permanent dry film