

# TUNING YOUR DETECTOR FOR MAXIMUM PERFORMANCE

## TYPE OF DETECTORS:

Analog with & without threshold tone or background noise

Digital with & without threshold tone or background noise

## ADJUSTMENTS:

Analog Detector-simple but limited programming opportunities

Digital Detector-Unlimited opportunities to program and adjust and screw things up to no end.

1<sup>st</sup> rule: READ YOUR MANUAL AND UNDERSTAND WHAT IT IS TELLING YOU.

2<sup>nd</sup> rule: If adjusting any detector change only one thing at a time and determine through use what that does for you and your recovery of targets.

3<sup>rd</sup> rule: Make sure your machine is ground balanced if it has that feature.

4<sup>th</sup> rule: If you use a detector with a threshold tone make sure it is smooth and consistent.

5<sup>th</sup> rule: Become one with your machine. The intelligence is on the part of the operator, the detector is just an electronic machine.

## TYPES OF TRASH:

Screw Caps-Really no good way to discriminate out screw caps with either an analog or digital detector without losing desirable targets.

Pop Tops- For analog machines you can set the discrimination level to remove pop-tops but remember that you will also be removing nickels and gold rings.

For digital machines one can notch out pop tops and still pickup rings and nickels. Please note that taking out pop-tops will not remove bent beaver tails from reading like nickels.

Nails & Iron: You do want to eliminate or discriminate some iron and nails. You will not be able to eliminate all nails but you can eliminate the larger ones.

Rusted iron or nails will still register as a good target. If you are picking up deep rusted nails you are in the right strata or layer for finding older coins. The trash of old was iron and steel. If you are finding lots of pop-tops and the like you are in a modern park or just digging modern trash.

Using the clubs sample target sticks determine what discrimination level is required to hear the target while discriminating out the nails or pop tops on your machine. If you run into problems ask one of the more experienced members who is familiar with your machine to help you.

## DETECTING IN ALL METAL:

Some peoples solution to discrimination is to have no discrimination at all and run the detector in "ALL METAL". While this is one technique it can drive you crazy since you will be detecting every piece of trash in the ground. Since trash

outnumbers good targets 10 to 1 and as much as 100 to 1 this is not necessarily a productive technique.

**READ THROUGH ON DIGITAL MACHINES:**

Many digital detectors have ability to notch or read through various types of trash. This feature can deliver numerous benefits in increased good target recovery. Go over this section in your manual until you understand what settings and what they do.

Happy Hunting