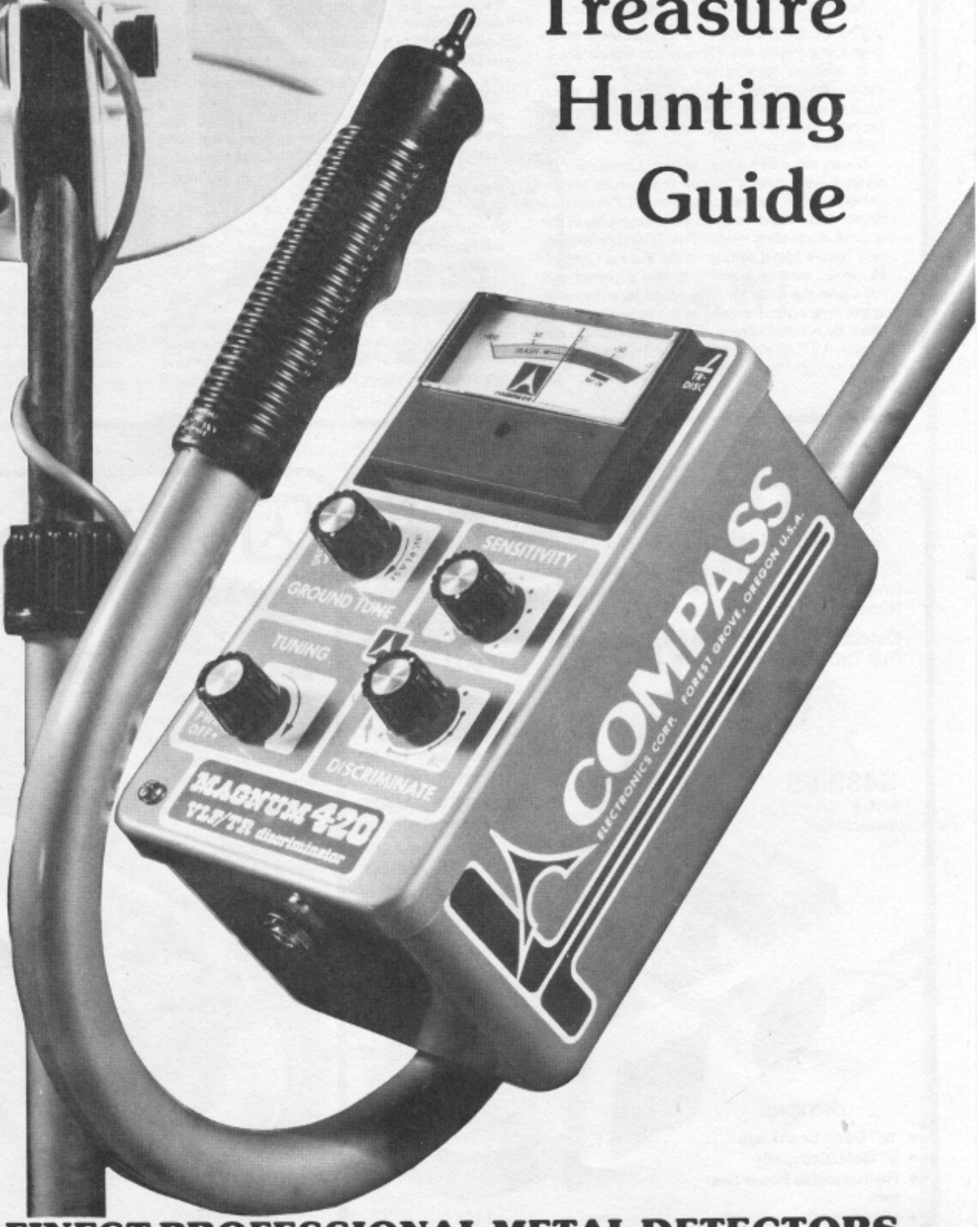
MAGNUM
★ VLF/TR ★
discriminator

COMPASS'

Treasure Hunting Guide



WORLD'S FINEST PROFESSIONAL METAL DETECTORS

Selecting the right Detector

What Will they Detect?

Metals and magnetic minerals (iron ore or black magnetic sand) are detectable with metal detectors. Metal objects are those that will conduct electricity.

Gold	Lead	Surface water pipes
Silver	Coins	
Copper	Rings	Corner stakes
Brass	Watches	Sewer heads
Artifacts	Jewelry	Many others

The better the electrical conductivity of an object, the better the TR detector will detect it.

In addition to iron ore and magnetic sand, mineral objects can also be iron objects which have oxidized (rusted) to a point that they will no longer conduct electricity such as certain very rusty nails, tin cans, etc.

Some detectors such as the Compass "B" series have a tuning control that can be set for either metal or mineral detection. VLF detectors detect metals and minerals simultaneously in the ground elimination mode. The TR discriminators only have a Metal setting on the Tuning Control. However, mineral objects can be detected and will cause the detector to respond by a decrease in the tone output instead of the increase in tone given by a metal object. This is also true on the standard TR (B series) when the Tuning Control is set on the Metal setting.

Detector Depth of Detection

Depth of detection of any metal detector depends on several factors. Sensitivity and quality of the detector itself, operating frequency, circuit technology, user's ability, size and position of the object, size of the search loop, metal oxidation, soil mineralization and how long the object has been buried.

Detector frequency is important in that as the frequency goes up the ground penetration or depth of detection is reduced. This is one of the reasons BFO detectors that operate above 250 KHZ have much poorer depth of detection than the TR or TR Discriminators which operate in the 100 KHZ region. The new VLF detectors generally operate from 3 KHZ to 10 KHZ. This frequency added to the ground cancelling characteristic give the VLF ground eliminator unequalled depth of detection. It is VERY IMPORTANT to note that just because a detector operates in the VLF (Very Low Frequency) range does not necessarily mean it will have the revolutionary depth of detection. It must also have the ground eliminating characteristic.

Performance of a detector should never be measured by Air Sensitivity. Frequencies for a design type can be increased slightly to give good air tests on coins, however, their in-the-ground performance may be lacking. In-the-ground testing is the most meaningful proof that a detector is "HOT"!

Mineralization of the soil varies from area to area. As the ground mineralization increases, the depth at which any detector will find a given object decreases. The one exception to this is the TR/VLF ground eliminators. As an example, on the Florida beaches a small freshly buried coin can be found from 5" to 8" with a TR detector in the Standard mode. On the other extreme, using the same detector in many of the northern states, because of their high mineralization, the same freshly buried coin may only be detected from 3" to 4". The TR/VLF ground eliminator will detect this same coin (in the ground eliminating mode) nearly as deep in the low mineralized areas as in the medium to high mineralized areas.

Search loop size is an important factor for depth of detection of a given object. The detector sharpness of signal or sensitivity to a small sized object is also a factor of loop size.

The larger the loop the deeper it will detect coin sized objects or larger. Also the larger the loop the more area covered in each sweep. This is very important when relic or artifact hunting.

Smaller loops give a sharper response to small objects. An example would be the 3" series loop for nugget hunting. A grain sized gold nugget would be detected quite easily with a 3" loop.

COIN MAGNUM

GROUND ELIMINATING VLF/VLF DISCRIMINATOR

Eliminates Ground in Discriminate as well as Non-Discriminate and with no loss in depth of detection from Non-Discriminate through pull tab elimination.

Detects non-surface nickels (deeper than 2½") and most rings in Pull Tab rejection.

The Coin Magnum detects small gold coins and nuggets better than any other detector while in pull tab rejection. Many discriminators will not detect them at all!

$439.95
with 8" Tri-Planar Search Coil.

OPTIONS

- 12" Deep Scan Loop
- 3" Gold/Coin Loop
- Rechargeable Power System
- Hip Mount Coversion Kit

RELIC MAGNUM 7 automatic

COMPASS #1 VLF/TR DISCRIMINATOR

The RM7 is the "Jack of All Trades" when it comes to treasure hunting! Ground cancelling in heavily mineralized or salt water beach operation is unbeatable! Its low Frequency 3.75 KHZ provides very hot response to silver and copper coins!

End of Handle Mode Selection and Touch Tuning

$349.95
With 8" Co-Planar Search Coil.

OPTIONS

- 16" Ultra Deep Scan Loop
- 12" Deep Scan Loop
- 3" Gold/Coin Probe
- 1" Gold Probe
- Rechargeable Power
- Hip Mount Kit

Professional Quality... Best Buys!

VLF/TR Discrimination by COMPASS!

DEEP Detection that the professionals insist on for COIN, RELIC and GOLD hunting. A TRUE TECHNOLOGY ACHIEVEMENT!

End of the handle, one hand operation allows switching instantly from VLF Ground Elimination to TR Discriminate as as an aid for target identification.

NEW!

MAGNUM 420 $269.95

NEW!

MAGNUM OPTIONS:
Rechargeable Battery system
12" Depth Search Loop
Hip Mount Conversion Kit
Many others

MAGNUM 320 $239.95

NEW!

The **Magnum Series** is one of the lightest VLF/TR series made!

MAGNUM 220 $169.95

13 world famous models
$69.95 to $549.95

COMPASS ELECTRONICS CORP.
P.O. Box 366 / 3700 24 Avenue
Forest Grove, OR 97116 (503) 357-2111

A Family Hobby That Really Pays Off!

Today many thousands of Americans are spending their weekends and family vacations with metal detectors searching for treasure of all kinds — coins, relics, lost jewelry — even bottles and gold. These Americans are on the move into areas everywhere that harbor an abundance of lost, hidden, or buried treasure in city parks, countryside, and around abandoned houses, old battlefields, along dry river banks, along beaches, and — even in one's own backyard!

A little research at the local library will confirm that lost treasure is indeed "for real". Records indicate that there is more money lost or hidden than is in circulation today! Generally, one can get some idea as to where these caches have been lost or hidden. What it takes is some thorough research and a reliable metal detector to pinpoint the find!

The really "big" finds are not being made by the professionals alone. Thousands of Americans, young and old, are discovering that "coin shooting" can be very profitable — not only monetarily, but from the benefits of fresh air, and the exhilarating exercise of walking, bending, and the accompanying thrill of discovery!

Treasure hunting has become a truly major national family hobby! Witness the many treasure hunting clubs in almost every city in the country and the growing number of treasure hunting magazines and books!

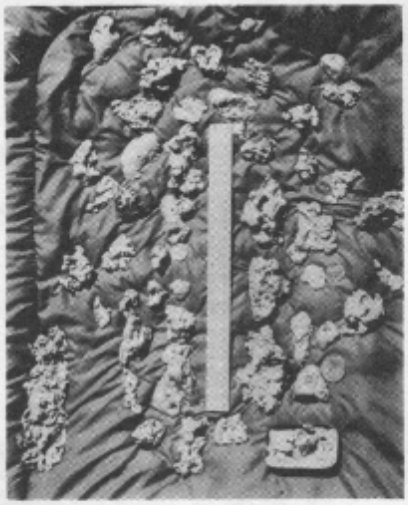
Perhaps the main lure of treasure hunting today is its combination of healthy recreation with profit — a little time searching for coins, rings and other valuables around a previously used campground, for instance, has often yielded enough to more than pay for a metal detector!

Coins such as some Lincoln pennies can bring as much as $35, Indian heads quite a bit more! Cast iron toys, bottles, old tools and guns can be worth hundreds of dollars!

The possibilities for finding hidden treasure are almost endless! Compass' more powerful and sensitive metal detectors are opening whole new vistas for relic hunters combing Civil War sites and other battlefields. New finds are being made on sites that were thought to have been thoroughly picked over!

Compass metal detectors are being used to find veins and other likely locations for gold prospecting — great for detecting the tiny nuggets not found while panning or sluicing! Metal detectors are almost a "must" for locating the old bottle dumps — and don't forget the time-honored pastime of beach-combing. Make it really pay off when you take along a metal detector!

Just a few of the Civil War artifacts Pat Smith has found treasure hunting with his Compass. Pat says site research is very important. His favorite areas are Civil War skirmishes. These areas are usually good for such items as buttons, belt buckles, bayonets, swords and other military artifacts.



A fantastic nugget display valued at $200,000. All were found by a proud prospector with his metal detector only! Nugget weight is from 1/4 oz. to 19 oz.

Nugget Hunting — 720 oz. nugget found with a VLF/TR Automatic Detector. This nugget found in Australia currently valued at over $1,000,000 is the largest in existence. Nugget Hunting is becoming more popular and productive as a result of the VLF circuit technology.

Bob Griffin showing more than 25,000 coins found with his Compass Detector. In addition to his coins, Bob has found hundreds of rings — the most valuable of which is worth over $2,000.

Coin Shooting expert Kay Modgling displaying a small portion of her 150,000 coins found in a 7 year period. Her 150,000th coin was a 1925 Buffalo Nickel found at General Patton's World War II training camp in the California desert. Kay's favorite detector is the VLF/TR Relic Magnum 7 Automatic.

Please send me your free color catalog and treasure hunting guide.

COMPASS
ELECTRONICS CORP.

P.O. Box 366/3700 24th Ave.
Forest Grove, OR 97116

(503) 357-2111

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Prices and Specifications Subject to Change without Notice Printed in U.S.A.