

White's Electronics, Inc.

1011 PLEASANT VALLEY ROAD

SWEET HOME, OREGON 97386

OPERATORS INSTRUCTIONS



Manufacturers of OREMASTER

MINERAL AND METAL
DETECTORS

ELECTRONIC
MAGNETOMETERS

SUPER GEIGER AND
SCINTILLATION COUNTERS

ULTRA VIOLET
LIGHTS



White's Electronics, Inc.

Phones: Bus. 367-2138 / 1011 Pleasant Valley Road / Sweet Home, Oregon 97386

Dear Customer:

In order to provide you with prompt service on your detector, we have established a network of factory authorized service centers. These centers have been carefully selected and instructed to perform Warranty Service Work, covered by the terms of our Warranty and non-Warranty service work. The list of service centers on the following page is provided for your convenience. Watch the Service Directory in the "Discover" for future additions. We also recommend you contact your local dealer, for help.

In addition to these service centers listed, we at the factory, are concerned about our individual customer. If you have any questions or problems, please write to me, personally.

Sincerely,

Norman W Vandiver
Norman W. Vandiver
Service Department Manager

Manufacturers of OREMASTER

MINERAL and METAL
DETECTORS

OIL PROSPECTING
EQUIPMENT

SUPER GEIGER AND
SCINTILLATION COUNTERS

ULTRA VIOLET
LIGHTS

SERVICE DIRECTORY

White's Electronics, Inc.

Arlington Electronics
Buck Buchanan
915 E. Park Row
Arlington, TX 76010
Phone: 214/273-5808

J.E. Earhart
Box 171, 1407 8th
Eunice, NM 88231
Phone: 505/394-2997

Quentin Bonta
617 Chase
Wichita, Kansas 67213
Phone: 316/942-6965

Harry's Treasure Shack
322 W. State Street
Cherry Valley, IL 61010
Phone: 815/322-5157

G & T Electronics
P.O. Box 2612
Montgomery, Alabama 36105
Phone: 205/265-8828

Blanchard's
218 N. Market Street
Minerva, Ohio 44657

Andrews Electric Co.
108 California Street, S.E.
Albuquerque, NM 87108
Phone: 505/265-1467

The Treasure Shack
Bill Smith
8500 East Eleventh
Tulsa, OK 74112
Phone: 918/838-0987

Denver Metal and Mineral
Detector Sales
5796 W. 38th
Denver, CO 80212
Phone: 303/422-4566

Alexander Enterprises
Jim Alexander
616 Arkansas
South Houston, TX 77587
Phone: 713/946-6399

Road Runner Metal Detectors
1935 Wantagh Avenue
Wantagh, New York 11793
Phone: 516/826-7222

White's Electronics, Ltd.
33784 Hazel Street
Abbotsford, B.C. Canada
Phone: 604/853-0232

J & S Electronics
John Skusek
10305 Waller Road E.
Tacoma, WA 98446
Phone: 206/LE1-1736

Edgewood Coin
Emory N. Robinson
934 S. Edgewood Avenue
Jacksonville, FL 32201
Phone: 305-389-0013

H & P Enterprises
809 Chippewa
Mt. Clemens, MI 48043
Phone: 313/465-0600

Grandin Rd. Treasure Shack
1504 Grandin Rd. S.W.
Roanoke, VA 24015
Phone: 703/344-4195

Wayne Divers
Vince Bologna
29 Lake Road
Wayne, New Jersey 07470
Phone: 201/835-1932

OPERATING INSTRUCTIONS
for the
"OUTDOORSMAN" #1

DETECTOR

This model incorporates a sensitive quality indicating signal intensity meter, a speaker, and a head set for detection.

METER

The meter serves 2 uses. It serves as a signal intensity meter, and is also used to check the batteries.

BATTERIES

See attached note for battery installation and replacement.

MINERAL & METAL SETTING

The Mineral-Metal control is used to adjust the instrument for detecting metals or for prospecting, to locate magnetic veins, as desired. When set on the metal side of null, it will detect any conductive metal, and when set on the mineral side, will detect magnetic iron ore and magnetic veins.

To put the instrument into operation proceed as follows:

- (1) Insert the largest rod, with the two holes spaced a few inches apart---- with this end--into the sleeve under the front end of the instrument and insert the longest bolt through the sleeve and the second hole in the rod, and put on one of the composition nuts.
- (2) Insert the end of the smaller rod with the single hole into the larger rod so the two holes line up and slip the shorter bolt through the bottom hole so that the threaded end protrudes up through the upper side of the rod, and install one of the composition nuts.
- (3) Install the loop, by inserting the 2 studs (from the bottom) through the 2 holes on the end of the rod, and install the 2 remaining composition nuts.
- (4) Spiral the surplus loop cable around the rod, and insert the plug into the socket on the front end of the instrument. (There is usually a yellow dot at the top of the socket, and on the plug.) Turn the plug until the dots line up and then plug it into the socket.
- (5) Plug the Phones into the jacks provided. (Only when you do not wish to use the built-in speaker.) Plugging in the phones disconnects the speaker.
- (6) Turn the Mineral-Null-Metal control until the marker line is lined up and pointed to the center of the Zero under the word NULL.
- (7) Turn the Power Switch from the OFF position to the ON position.

This will energize both the speaker and the meter so both can be used at the same time, as this is the proper way to use the instrument.

(8) Hold the instrument with the loop flat with the surface, and only approximately one to two inches above the surface to be checked or searched. Slowly turn the Mineral-Null-Metal Control from NULL to the Right toward the METAL side of NULL until the sound just starts in the speaker and the meter pointer just starts to read above zero. Usually a little more sensitivity is had by adjusting the Mineral-Metal Control knob for a reading on the meter of from 5 to 10 on the dial, if you wish more sensitivity after you become familiar with the instrument. Don't try to use more sensitivity than you can handle. Lay the metal sample you received with your instrument on the ground, and pass the loop over the sample. Notice the increased sound in the speaker and the higher reading on the meter, just the instant that the loop passes over the metal. The loop will usually be more sensitive to small objects, such as coins, rings, etc., approximately 2" back toward the center from the upper outside edge of the loop, and on smaller objects, approximately 1" from the edge. With a little practice, one can usually tell quite accurately just where the small object is under the loop, and its approximate size.

Tin cans, bottle caps, tin foil, aluminum foil, cartridge cases, coins, silver, gold, copper, lead and brass are some of the highly conductive metals that will read on the Metal setting.

The instrument is not designed to react to sticks, rags, bones, paper, non-magnetic rocks, or non-metallic objects.

When looking for small metal objects such as coins, the ability of the instrument to detect them will vary in different areas. The more mineralized the soil, the more difficult it is to detect them, and the less mineralized the easier. Also, the longer a metal object has been buried, usually the easier and deeper it may be detected as the ground becomes electrically conductive from the metal object over a period of time. In some cases you may detect a very old tin can, and after digging it up, still receive a reading over the spot the can was buried in. This is normal.

To locate hidden or buried metal objects, slowly and systematically carry the instrument across the area to be checked, being very careful to pass the loop over all the surface to be searched or explored and to hold the instrument so that the loop is held as constant and at as uniform a height as possible, with the least up and down variation in relation to the formation or ground you are using the instrument over. When searching for small objects, such as a single coin, the instrument should be tuned in with the loop held as close to the ground as possible. Hold this height as close as you possible can, and search the ground carefully, usually 1 to 2 inches above the surface, (depending on the surface you are using the instrument over.) If the ground is rough, you may have to Zero the instrument higher.

For larger objects, one can hold the instrument approximately 2 to 4 inches above the surface to be explored. With each sweep of the instrument, you will cover approximately 6 feet by 6 inches. If there is anything metallic under the surface and it is within range of the instrument, you should be able to find it. Raising and lowering the loop excessively will give false signals and readings. For larger objects, the instrument may be carried at a higher elevation, and it is not as critical to height variation, and will respond to the larger metal objects. To practice, lay some metal objects on the wood floor or on your lawn and move the loop over them, and notice the way the instrument responds.

When checking the metal sample with your instrument, try passing it over the mineral magnetic ore sample. Notice that the sound stops and the meter reading drops over this mineral sample.

To check this sample and to prospect for magnetic veins, slowly turn the Mineral-Null-Metal Control to the left towards the Mineral side of NULL, until the sound just starts in the speaker--and the meter reading is between Zero and 10.

Passing the loop over this magnetic sample will give an increase in sound and increase in reading. Magnetic ore veins may be located and traced when the instrument is operated on the MINERAL SIDE OF NULL.

Passing the loop over a coin or other small metal sample, will give a drop in meter reading and lower the sound in the speaker when the instrument is adjusted and used on the MINERAL SIDE OF NULL.

When through operating the instrument, turn the Power Switch to the OFF position.

Do not expect to be an expert operator the first few times that you use the instrument or to be able to detect as well as an experienced operator. This only comes with experience. The longer you use the instrument, and the more familiar you are with it, the better operator you will become, and the more finds you will make.

This is a fine quality instrument. Take good care of it, and it should give you years of faithful service. In case service is required--wrap it carefully--and ship it prepaid and insured to this factory:

WHITE'S ELECTRONICS, INC.
1011 Pleasant Valley Rd.
Sweet Home, Oregon 97386

Phone: 503-367-2138

In case the instrument does not operate, check the batteries with the battery test switch as follows: Be sure the batteries are both connected to their connecting wires. Turn the Power Switch ON and to each battery check position in turn and note the meter readings. A good fresh battery will read from 35 to 40 on the meter. Replace the batteries when the readings drop to 25. If you cannot obtain these batteries locally, order them from this address. We prepay all batteries ordered from us.

To use the phones, just plug them into the jack provided

INSTRUCTIONS FOR BATTERY INSTALLATION AND REPLACEMENT

This model uses 14 - 1½ VOLT Penlight AA Cells.

There is 8 cells in 1 battery box to be placed in series, so that the voltage will add 12 volts.

The other box takes 6 batteries which will make 9 volts.

The 12 volt box is the largest box and takes the 8 batteries. This box is labeled with 12 and the proper Battery Connector for this battery is also labeled 12.

CAUTION: Be sure the cable marked 12 is plugged into the Battery Box marked 12 for proper operation and longest battery life.

The instrument will operate if the cables are not plugged into the right battery but this will overload one Circuit and will void the warranty.

There is also a knot tied in the 12 volt cable, should the label ever come off of the cable.

The battery boxes are marked for the correct placement of the batteries, and all batteries are placed in series. Note Battery Illustration.

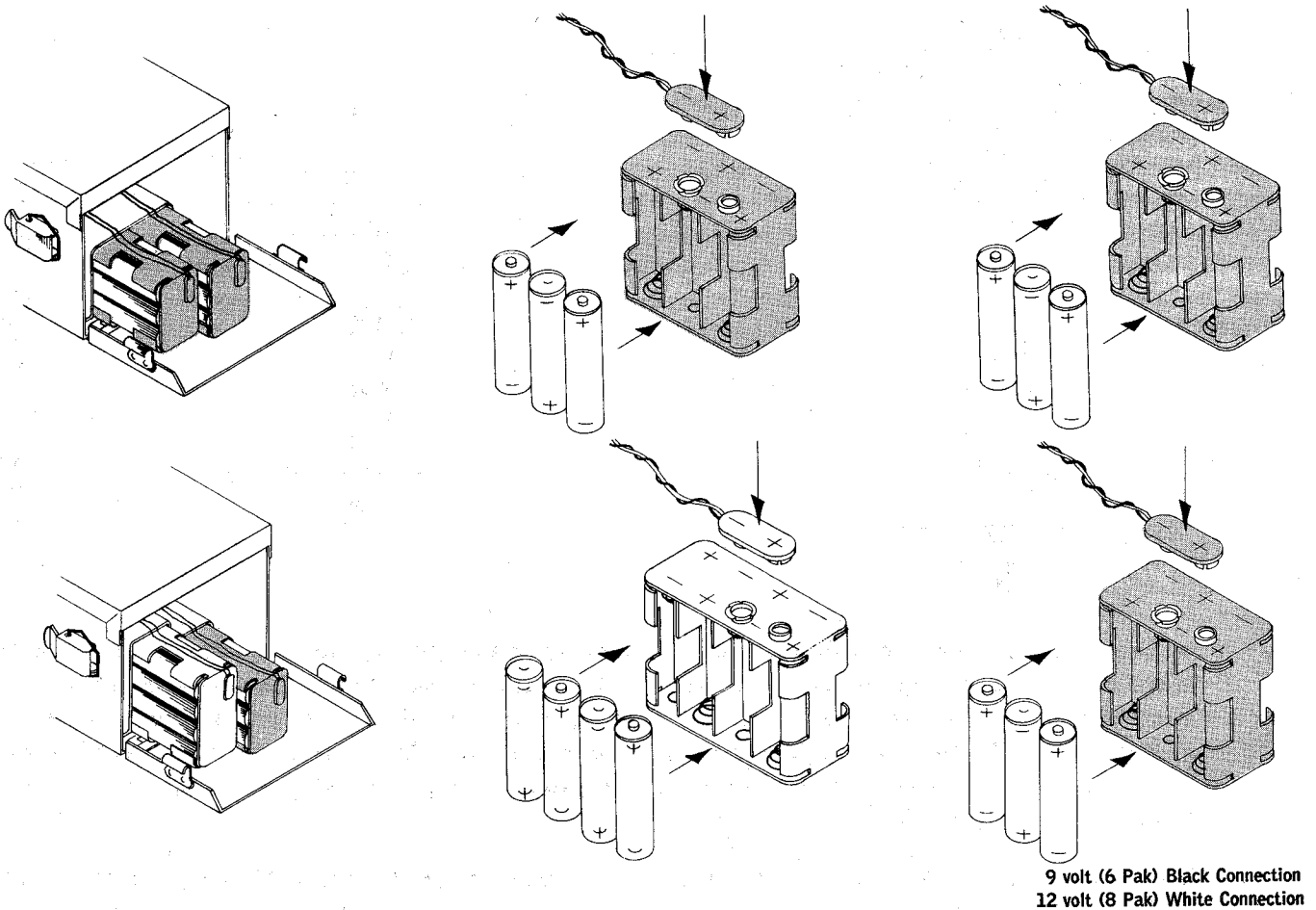
If the batteries are not placed in series, the instrument will not operate.

Insert all batteries in the battery boxes before attempting to operate the instrument.

BATTERY DIAGRAM

Note:

To prevent damage in shipping, the batteries have been removed from your instrument and placed in a separate container within the shipping carton. See following diagram for proper installation.



BATTERY-PACK ILLUSTRATION

1.5 Volt "AA" (Battery Pack Models)

EVEREADY

1015

BURGESS

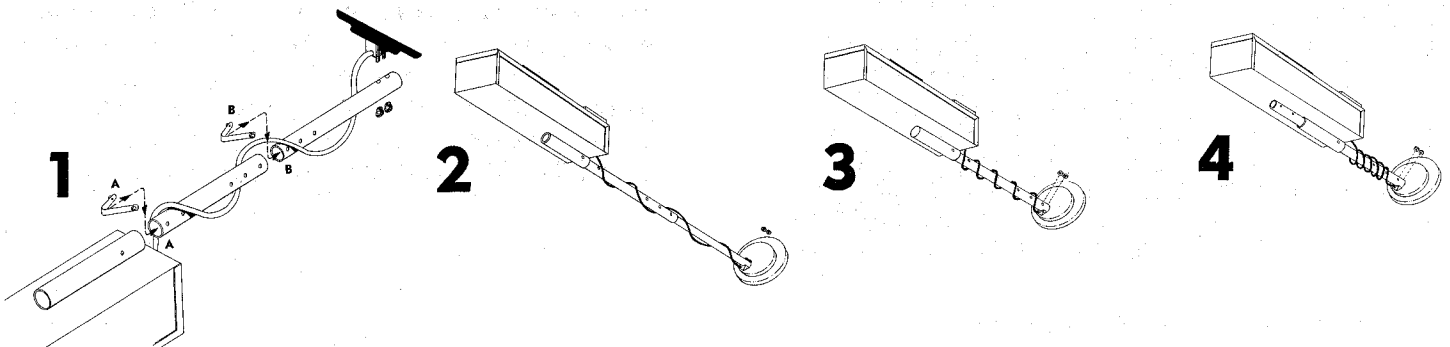
910

WHITE'S

B-1

When ordering replacement batteries from the factory, please state the instrument model, voltage of batteries and battery number.

ROD ASSEMBLY, DRAWINGS



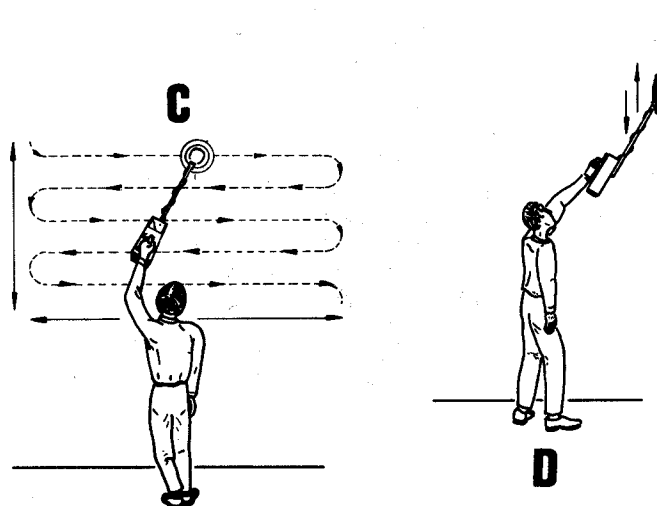
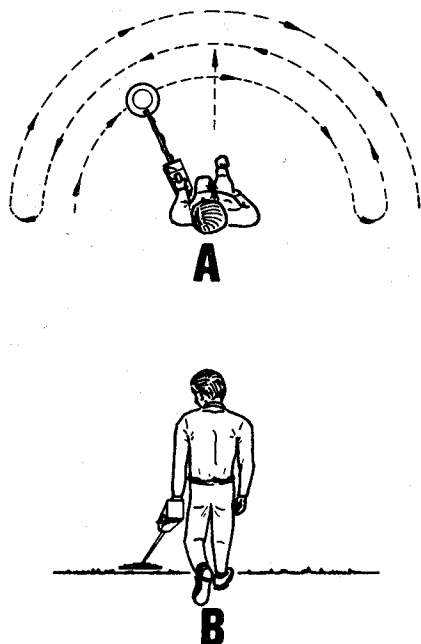
When you receive your instrument with the Push Button Loop Rod, it may be necessary to install either one or both of the snap locks.

As illustrated in Drawing No. 1, depress snap lock "A" and insert it in position "A", repeat with snap lock "B" as it is necessary to complete rod assembly.

Drawings No. 2, No. 3, and No. 4 illustrate various positions the rod may be used to accommodate operating convenience when the full length is not required. Example: testing ore samples, searching attics, beneath houses, etc.

NOTE: Always coil the loop cable as snug as possible, without pulling or stretching it.

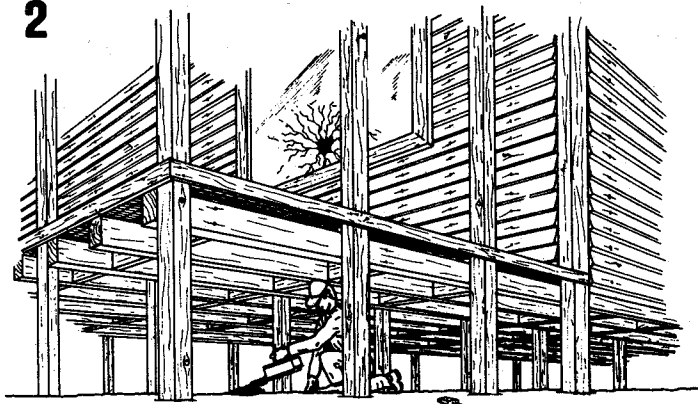
OPERATING ILLUSTRATIONS



As shown in Diagrams A and B, when you are working on the ground, move forward in a straight line, at the same time, moving the loop from side to side across in front of you. The distance between each swath of the loop is determined by the size of the loop you are using. With a 6" loop you would make a 3" step, with 12" loop you would make a 6" step, and so on. Using this method of hunting enables the hunter to cover more ground, more completely, in less time. For tuning your loop, hold it as close to the ground as possible.

Diagrams C and D show you just one more of the many ways the versatile design of the White's instrument can help you either in prospecting or treasure hunting. This diagram demonstrates the extra ability the design gives in reaching to the out-of-the-way places. This system can be used for checking outcroppings, walls, etc.

2



Remember, a lot of old artifacts and treasure have been found under old buildings, as well as in the attics. When going through an old homestead, never overlook any place or area that could represent a good hiding place. So if you are planning such a trip, follow these simple illustrations and prepare your instrument. At a time like this you don't want to pass up any chances.

America's Largest Line of Metal Detectors



WHITE'S ELECTRONICS, INC. 1011 Pleasant Valley Rd., Sweet Home, Or. 97386

Printed in USA



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