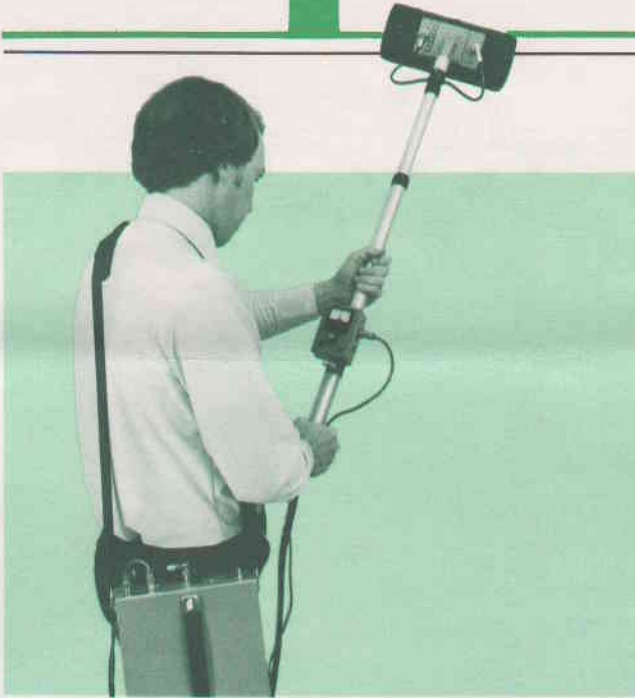


SuperScout

The Most Effective Countermeasure
Against Electronic Eavesdropping



SuperScout®



This man is using SuperScout, the single most effective system for locating transmitting and recording bugs. He does not have a technical background and has had less than two hours of training. Yet he is more likely to discover hidden electronic eavesdropping devices than a highly trained operator using any other system.

SuperScout locates tape recorders, radio eavesdropping devices, amplified microphones, and carrier current transmitters. It locates them regardless of their radio or microwave frequency. It even locates voice-actuated, remote controlled, and non-operating devices. And it is the only effective way to locate tape recorders.

SuperScout is quickly set up and operated. It uses no multi-heads or interchangeable antennas. It is non-alerting and does not tell an eavesdropper that a search is being done.

But the superior effectiveness of SuperScout is not the full story. SuperScout reduces costs by saving hours of expensive on-the-job time. And costly training sessions are not required. Moreover, its advanced solid-state reliability provides many years of effective privacy protection.

Comparison With Other Systems

The SuperScout system readily detects virtually all types of electronic eavesdropping devices. These devices consist of:

- Tape Recorders
- Radio Eavesdropping Devices (transmitters)
- Amplified Microphones
- Carrier Current Devices

Except for SuperScout, the only tools to locate such devices are various types of audio countermeasures receivers, and they only detect active transmitters. Receivers are supplied in several versions, including field strength detectors, sniffers, squealers and spectrum monitors. They can detect radio eavesdropping devices, if they are tuned to the correct frequency and the operator is sufficiently skilled. Compared to SuperScout, however, the best audio countermeasures receiver is severely limited.

Following is a list of eavesdropping devices and techniques that are readily detected by SuperScout and are difficult or impossible to detect by audio countermeasures receivers.

Tape Recorders: Microcassettes have opened up new options for the eavesdropper. Tiny tape recorders may be worn on the body, concealed in an attache case or hidden in a fixed position. Inexpensively and legally purchased, they are capable of long life and voice actuation. Audio countermeasures receivers can not detect tape recorders.

Intermittent Transmissions: Countermeasures receivers can only detect active transmitters. The eavesdropper minimizes his discovery by employing intermittent transmission techniques, such as:

- voice-actuation
- switch actuation (e.g., connected to light switch)
- remote control actuation
- delayed transmission from tape storage

Inoperative Transmitters: The detection of trans-

Locate Hidden "bugs" Quickly & Easily

mitters with dead batteries may reveal devices that are scheduled for imminent battery replacement and also provides valuable information regarding vulnerability. Countermeasures receivers can not detect inoperative transmitters.

Unguarded Transmission Frequencies: All countermeasures receivers have limited frequency ranges (e.g., 100 kHz to 1,000 MHz). The eavesdropper may select an operating frequency outside of the usual guarded range and thereby avoid detection.

"Snuggling" Transmission: The eavesdropper may set the frequency of his transmitter very close to that of a nearby high power transmitter, such as a radio station. This "snuggling" technique masks the eavesdropper's signal and renders its detection difficult if not impossible by receiver methods.

Sophisticated Modulation Techniques: The more skilled eavesdropper may avoid detection by audio countermeasures receivers by employing any one of a number of complex modulation techniques. These include sub-carrier modulation, modulation with continuously variable sub-carrier frequency, and pulse code modulation.

Amplified Microphone: Eavesdroppers may employ amplified microphones wired to a distant listening post. Audio countermeasures receivers can not detect the amplified microphone.

Carrier Current Devices: Surveillance devices are sometimes built into electrical equipment, such as receptacles, adaptors, and light fixtures. These devices transmit audio signals over existing electrical circuits to a listening post. Audio countermeasures receivers are virtually insensitive to the signals from carrier current devices.

SuperScout offers the greatest protection against every one of the above devices. And it detects them whether they are worn on the body, concealed in an attache case, or hidden in a fixed position.

Furthermore, SuperScout permits much more rapid sweeps, may be operated by far less experienced

and specialized operators, and is of more practical use in high signal density areas.

Telephone Devices: There is no totally effective method of discovering the vast array of telephone taps and bugs. Good practice dictates that telephone instruments be inspected periodically, be equipped with a disconnect mechanism and with scrambling or similar safeguards, and be physically removed during sensitive discussions.

HOW DOES AN OPERATOR USE THE SYSTEM?

He rapidly sweeps a small antenna within several inches of all walls, ceilings, furniture and objects. If an electronic device is hidden as far as several feet away, he will get an alert and be able to home in on it quickly.

HOW LONG DOES IT TAKE TO SWEEP A ROOM?

One hour or less is typical for most rooms.

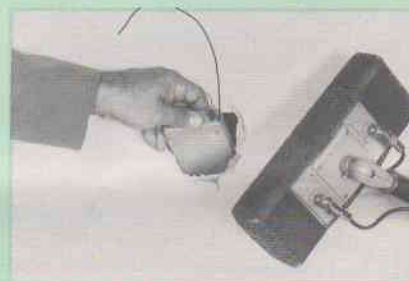
WHAT IF A VISITOR IS CARRYING A BUG?

Tape recorders and radio transmitters are sometimes carried on a person or concealed in his attache case. To prevent this, all persons and objects should be electronically frisked as they enter the room. Such a frisk is harmless and takes less than ten seconds.

HOW DOES SUPERSCOOT WORK?

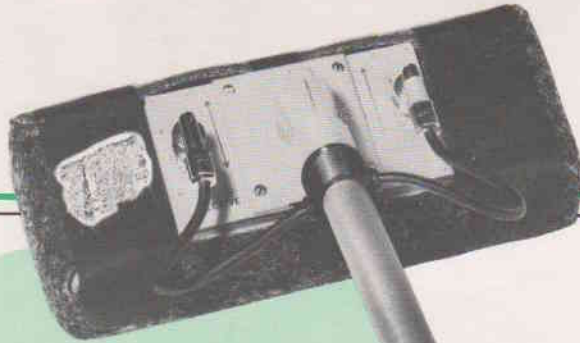
This system utilizes an entirely new and remarkably simple method. SuperScout

This radio eavesdropping device was carefully buried inside a wall. Remotely activated during meetings, it might have operated for years, had SuperScout not detected its presence.



This visitor attempted to trap his host by recording a conversation. He is an expert in setting people up and catching them in an unguarded moment. Alert doorway surveillance using SuperScout led to the detection of the tape recorder hidden in the visitor's coat pocket.





listens for a telltale signal that is only produced by electronic devices. Electronic devices produce this signal whether or not they are operating, even when they are concealed.

HOW SAFE IS SUPERSCOOUT?

SuperScout provides a wide margin of safety over all applicable OSHA and other governmental regulations and has been certificated by the F.C.C. for use without a license.

HOW DOES SUPERSCOOUT COMPARE WITH OTHER SYSTEMS?

SuperScout not only finds many more devices than other countermeasures systems but it also detects them in far less time. Other systems only find live transmitters, and then only if such systems are properly tuned. No other method can discover so many transmitters. And SuperScout is the only effective system for locating tape recorders. In short, SuperScout finds more bugs and finds them faster.

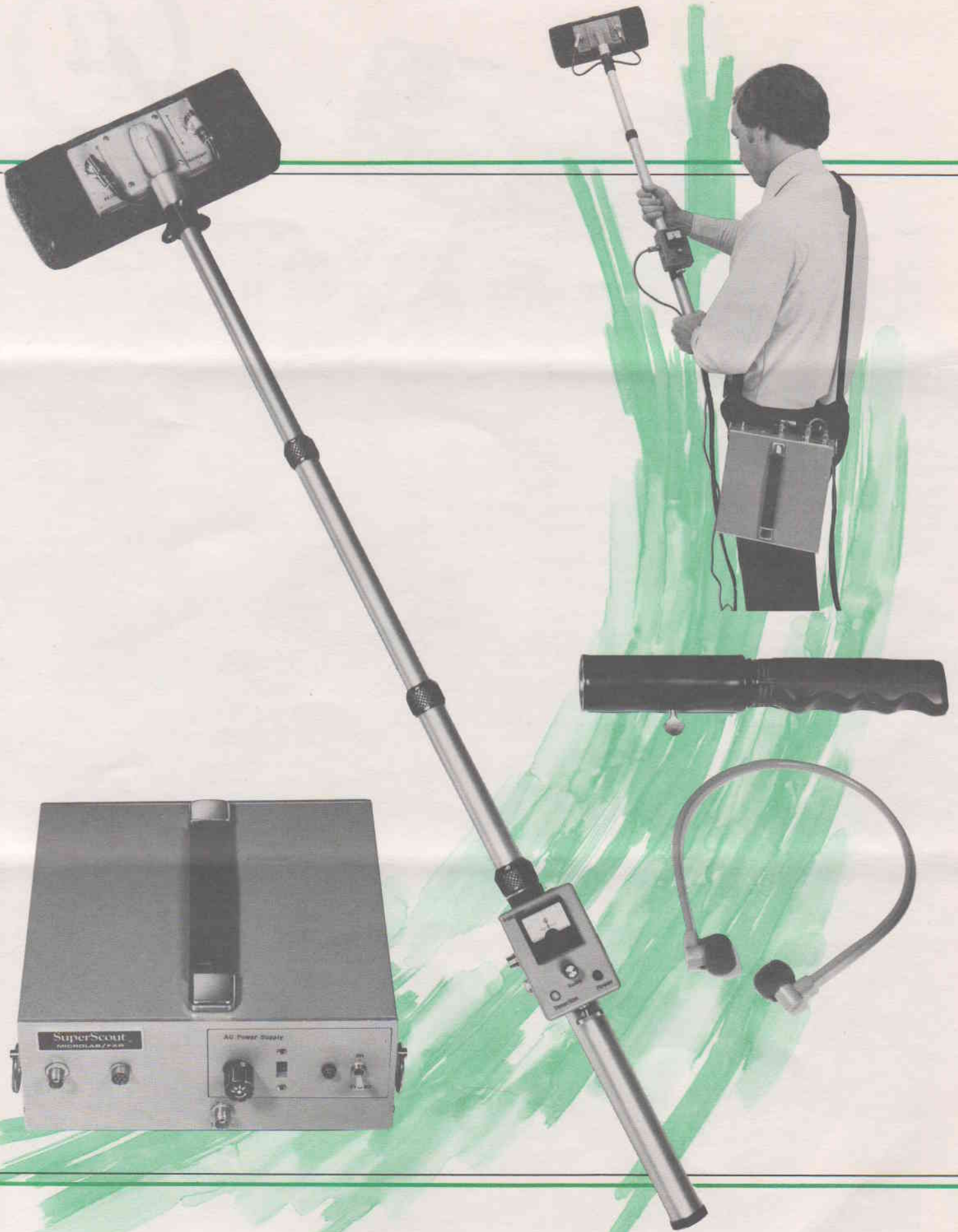


A transmitting device was easily slipped into the binding of a little used book right on the victim's desk. Good selection of radio frequency and the use of voice-actuation made the device virtually undetectable by audio countermeasures receivers. SuperScout would have prevented this serious loss of privacy.



A tape recorder is hidden under a false bottom of this attache case. The owner has momentarily left the room. The remaining parties are relaxed and are talking freely and unknowingly into the tape recorder. SuperScout could have detected the recorder and prevented the compromise.







SUPERSCOUT SPECIFICATIONS

Model Number	C2
Detector size	8-3/4" x 8-3/4" x 3-1/2"
Detector weight, with AC supply	14 pounds
Indicators	meter signal light headset noise
Warm-up time	instant
Construction	solid state
Temperature range, operating	0° to 40°C (32° to 104°F)
Temperature range, non-operating	-20° to 65°C (-4° to 149°F)
AC requirements	115/230 volts ±9% 50 to 60 Hz
Carrying case	18" x 21" x 8" Zero case
Overall system weight	36 pounds
Warranty	1 year, parts and labor

SUPERSCOUT BILL OF MATERIALS

Detector	Antenna handle
AC power supply	Antenna cable assembly
Power cord	Boom
Adaptors (2)	Antenna
Indicator	Shoulder strap
Indicator cable	Test tag
Headset	Carrying case

BATTERY PACK NOW STANDARD

OPTIONAL BATTERY PACK

Model Number	B16A
Operating life	3 hours
Recharge time	4 hours
Also includes	battery set and charge cable

Business executives and law enforcement officials must be able to hold conversations free from invasion by electronic eavesdropping. Yet they are faced with the increased availability of miniaturized devices which make bugging simpler than ever before. Transmitters and tape recorders become smaller, cheaper and ever easier to use.

SuperScout provides the first realistic solution to assuring conversational privacy. This remarkable new instrument is the single most effective system for locating both

transmitting and recording bugs. And now it is approved for sale to top corporate and law enforcement users.

Perhaps most significantly, the simplicity and effectiveness of SuperScout permit the highest level of audio countermeasures without involving the services of outsiders. No longer need others become aware that you are using such services.

SuperScout, by Microlab/FXR. Over 25 years of service through high technology electronics.

MICROLAB/FXR

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