## Fishing for HF Signals

Now we have a system, $\square$ by name, that will search a wide frequency band in a split second and greatly reduce missed intercepts
(b) (3) -P.L. 86-36

Though it probably wasn't planned that way, there are
$\square$

So much for the somewhat forced comparison. What, really, is the system we call Basically, it is a tool-a computerized tool-designed to help the intercept operator do his job betrer by performing some of his work for him. More specifically, $\square$ automatically scans the high-frequency part of the radto spectrum looking for signals of interest. When such signals are
 formation and transfers the signals to a monitor receiver for checking by an operator. This operator decides whether the signal deserves further attention. If it does, it is passed to a regular intercept operator for copy; if not, it is rescheduled for later consideration or it is dropped.
(b) (1)
(b) (3)-50 USC 403
(b) (3)-18 USC 798
(b) (3)-P.L. 86-36

Fig. 1-Master Sgt. (b) (3)-P.L. 86-36 left) and Senior Master Sor $\Gamma$ jsit at monitor positions $A$ and $B$ of the lest installation at the

Left to right: the computer, an input-output device to the computer, position $A$, the logging printer, and position $B$. The three racks above position A contain the scanning unit for both positions. To the right of position $B$ (and beyond b) (3)-P.L. $86-36$ e remote display unit (see Fig. 3).

## SECRET



Fig. 3- remote display unit. The two rows of numerals are intended to provide additional identifying information on the incoming signal. The top row of numerals relates to monitor position $A$; the bottom row, to monitor position $B$. In the display pictured above, the first digit of each row pertains
frequency. For our purposes, the closer it stays on frequency the better, because we can then use the narrower

Although engaged professionally in the study of advanced communication technique (b) (3)-P.L. 86-36 relaxes with radio in its earliest form, namely Morse brass-pounding in the best ham tradition. He began his career as a Navy intercept operator in the early postwar years, then became a Russian linguist, and by the mid-1950's

For six years he headed the trends analysis unit in K . He also does freelance writing and takes a hand in teaching the Agency's
Fig. 2-Programming the Computer
(b) (3)-P.L. 86-36
(b) (1)
(b) (3)-50 USC
(b) (3)-18 USC 798
(b) (3)-P.L. 86-36


## Accessories

Two modules have been developed to further improve the system. One, the XR-2-144, in association with a
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