NATIONAL SECURITY ACENCY PORT GEORGE G. MEADE, MARYLAND CCYCTOLOG January 1975 EO 3.3b(3)PL 86-36/50 USC 3605 Non - Responsive

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TOP STORET

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his article in the September '74 issue of CRYPTOLOG, Derek Craig succinctly stated a pressing problem.

According to the gloomy prognostications of certain writers, the British banking system is already balanced precariously on deposits of Arab wealth which can be redeemed at any moment. The daily newspapers report that Arab efforts to acquire Lockheed Aircraft Corporation have been forestalled. Rumors of an impending purchase of IBM by Arab interests are denied. Arab wealth has already begun to insinuate itself into the fabric of Western economies at some very sensitive spots.

The situation bears watching. The economies of Britain and the United States, foundering under the forces of shortages, recession, inflation, and domestic despair, are vulnerable to disruption, and the Arabs seem not averse to creating mischief.

"It is critical," says Mr. Craig, "for United States policy makers to know how

UNNA"

All the AP requires is a properly ordered directory.

In addition to the "search" function, the AP can, under computer control, do the following:

> Add an entry to core, in proper order; Delete an entry from core, and adjust remaining entries;

Read an entry from a designated core address;

Write a word into a designated core address:

Clear core (put all 1's into all of core).

UNNA was designed and developed in R33, with C65 contributing to software development. The

device underwent engineering tests

*Ed. note: This is not an acronym, as you might suppose, but an R task covername. The pronunciation most often heard here is "Oona."

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UNNA, as now configured, collects data on asgnetic tape.	TAP INPUTS From the ILU 25 pairs of signal for
and the state of t	Heach voice channels One Signal constitutes narts
	of 25 different data bit streams (the telegraphy
	channels) and the other consists of an "energy
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UNNA Functional Description	
UNNA is divisible into four parts: Time	
ompression Demodulator	1
Associative Processor (already de-	
cribed), and Honeywell DDP-516 Computer with	
eripherals.	
Time Compression Demodulator (TCD).] ·
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	The standard computer-to-TAP output is used to control the TAP's actions.
	to control the lar s actions.
	•
	The TAP can accept from the computer task-
	ing to:
]
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	notify the computer when an established
	time limit has elapsed.
	Computer (DDP-516). The computer used in
	the UNNA system is the Honeywell DDP-516, with
	32K memory. In the "stand-alone" mode it has the following peripherals:
	mag tap controller and two mag tape units,
	device speed: 36 ips, 556 or 800 bpi,
	card reader and reader control unit,
	device speed: 200 cpm,
	data terminal (typewriter),

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The computer controls the system through its primary software, It accepts tasking data from the user through the card reader (in the current "stand-alone" mode) and processes the TAP input accordingly. The computer separates forms the data into buffers, and outputs to mag tape (again, in the current stand-alone mode). The computer also updates	H* 1
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