

#### **QUAGMIRE IV** (period times 25-30 lines deep)

The Quagmires are numbered in the same way as keywords (See Chapter 8). Thus a Quagmire 4 uses a K4 keyword plan. An indicator keyword is also used to determine the period and the ciphertext alphabet settings. It may appear vertically under any letter of the plaintext alphabet. The encipherments follow each letter of the indicator key in turn.

**pt:** This one employs three keywords

**Key: (pt): SENSORY, (CT): PERC(EP)TION**

Indicator shown here under plaintext **S** is **EXTRA** (period 5).

	<b>S E N O R Y A B C D F G H I J K L M P Q T U V W X Z</b>	<b>pt</b>
1	<b>E R C T I O N A B D F G H J K L M Q S U V W X Y Z P</b>	
2	<b>X Y Z P E R C T I O N A B D F G H J K L M Q S U V W</b>	
3	<b>T I O N A B D F G H J K L M Q S U V W X Y Z P E R C</b>	<b>CT</b>
4	<b>R C T I O N A B D F G H J K L M Q S U V W X Y Z P E</b>	
5	<b>A B D F G H J K L M Q S U V W X Y Z P E R C T I O N</b>	

  

	<b>1 2 3 4 5</b>	
<b>pt:</b>	<b>t h i s o</b>	<b>CT:</b>
	<b>n e e m p</b>	<b>V B M R F</b>
	<b>l o y s t</b>	<b>C Y I S P</b>
	<b>h r e e k</b>	<b>M P B R R</b>
	<b>e y w o r</b>	<b>H E I C X</b>
	<b>d s</b>	<b>R R E I G</b>
		<b>D X</b>

**CT: VBMRF CYISP MPBRR HEICX RREIG DX.**