

PHILLIPS (125-160 letters)

Starting with a basic 5x5 Polybius square (#1 below), the first row is shifted down one row at a time from squares #2, 3, 4 and 5. Row two is then shifted down a row at a time to form squares #6, 7 and 8. Each square is used in turn to encipher 5 plaintext letters. Each plaintext letter is enciphered by taking as substitute the letter diagonally down to the right using the proper square. A plaintext letter in the fifth column is replaced by the letter from the first column and the row below it; a plaintext letter in the fifth row is replaced by the letter in the first row and to its right.

pt: Squares one and five are actually the same as are squares two and eight. The overall period is forty.

Key: DIAGONALS

1 D I A G O	2 C B S L N	2 C B S L N	2 C B S L N
2 C B S L N	1 D I A G O	3 E F H K M	3 E F H K M
3 E F H K M	3 E F H K M	1 D I A G O	4 U T R Q P
4 U T R Q P	4 U T R Q P	4 U T R Q P	1 D I A G O
5 V W X Y Z	5 V W X Y Z	5 V W X Y Z	5 V W X Y Z
#1	#2	#3	#4

2 C B S L N	3 E F H K M	3 E F H K M	3 E F H K M
3 E F H K M	2 C B S L N	4 U T R Q P	4 U T R Q P
4 U T R Q P	4 U T R Q P	2 C B S L N	5 V W X Y Z
5 V W X Y Z	5 V W X Y Z	5 V W X Y Z	2 C B S L N
1 D I A G O	1 D I A G O	1 D I A G O	1 D I A G O
#5	#6	#7	#8

SQ	#1	#2	#3	#4	#5	#6
pt	s	q	a	r	e	s
CT	K	Z	W	L	Y	T
	G	E	D	T	Q	E
	T	A	R	B	T	Y
	G	T	L	F	X	W
	L	P	P	O	X	L

SQ	#7	#8	#1	#2	#3	#4
pt	e	s	a	m	e	a
CT	T	Y	K	U	T	K
	G	K	Y	T	K	Z
	W	L	Y	T	G	X
	S	E	Q	E	T	I
	R	Z	Q	A	A	Q

SQ	#5	#6	#7	#8	#1	
pt	e	o	v	e	r	a
CT	T	C	I	T	Y	K
	K	P	P	V	B	L
	H	E	F	H	G	R
	E	Y	X	O		

CT:
KZWLY TGEDT QETAR BTYGT LFXWL PPOXL TYKUT KGKYT KZWLY TGXSE QETIR
ZQAAQ TCITY KPPVB LHEFH GREYX O.