

COMPRESSOCRAT (110-150 plaintext letters)

The Compressocrat cipher uses a form of Huffman encoding to typically produce a ciphertext smaller than the plaintext. In most respects, anyone who has solved a Fractionated Morse will find they can adapt those skills to solve Compressocrats as both are fractionated ciphers based on groups of three elements.

Encipherment has these steps:

- 1) Encipher the plaintext in the irregular-sized alphabet (pt E will be 31, pt Z will be 321113).
- 2) Group the resulting numbers into three number groups.
- 3) If the numeric text is not a multiple of three, add the digit 1 once or twice to make it so.
- 4) Encipher the numbers, three at a time, using the selected keyword alphabet.

Compressocrat "irregular" compression alphabet (shown two ways):

A 13	B 32112	C 1112	D 213	E 31	F 3213	G 32113
H 113	I 322	J 321112	K 11112	L 212	M 2111	N 23
O 22	P 3212	Q 11113	R 323	S 112	T 12	U 1113
V 11111	W 2112	X 321111	Y 2113	Z 321113		

E 31	I 322	P 3212	B 32112	X 321111
T 12	R 323	F 3213	G 32113	J 321112
A 13	S 112	C 1112	V 11111	Z 321113
O 22	H 113	U 1113	K 11112	
N 23	L 212	M 2111	Q 11113	
	D 213	W 2112		
		Y 2113		

pt/numbers/CT

t.h..e.k....e.y...w...o.r..d.m...a.y...b....e.s..h..i..f...t.e.d.
 121133111112312113211222323213211113211332112311121133223213123121
 R O Y Z P F N G V D N F N X Z M R O H D C R

.t.o.a.v....o.i..d..w...x.....y...z.....a.l..w...a.y...s...e.n.c..
 312221311111223222132112321111211332111313212211213211311231231112
 P E M Y H G I Z S Y N X Y Q B N D N M J J Z

o.d..i..n.g....t.h..e.s..a.m...e.d..i..g....i..t.s....
 222133222332113121133111213211131213322321133221211211
 G O G X F R O Y D N T D U S O E N N

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

**CT: ROYZP FNGVD NFNXZ MROHD CRPEM YHGIZ SYNXY QBNDN MJJZG OGXFR
 OYDNT DUSOE NN.**