

# Cryptograms

## CRYPTOGRAM 01

G L P K F M H O E H O F S J F C S J F S X V <sup>E</sup>  
 T P H J F F M V <sup>E</sup> V S L F M K H X M F J P F <sup>E</sup> <sup>E</sup> O V V K  
 P G S J W T S L F H I N D S L H J F V L V O F <sup>E</sup> <sup>E</sup> W V F <sup>E</sup>  
 G P L N O H F H O E H G G V L V J F H F H O  
 F M V <sup>E</sup> P J D W U P L D E A J P U J O P G S L F P  
 M S L Z P L D H G V <sup>E</sup> .

### FREQUENCY

F	H	V	L	P	J	S	O	G	M	D	E	K	W	N	T	U	X	A	C	I	Z
18	12	12	11	11	10	9	8	7	6	4	3	3	3	2	2	2	2	1	1	1	1
14%	9%	9%	9%	9%	8%	7%	6%	5%	5%	3%	2%	2%	2%	2%	2%	2%	2%	1%	1%	1%	1%

### CIPHER KEY

A	C	D	E	F	G	H	I	J	K	L	M	N	O	P	S	T	U	V	W	X	Z
																		E			

– Carl Sagan

NOTES

## CRYPTOGRAM 02

P G G C U T U Q W U X X S U X E G X X S U X Q L  
<sup>E</sup> <sup>E</sup> <sup>E</sup>  
 S O N O X S U X Q L S G B O X S U X Q L Z L G W  
<sup>E</sup> <sup>E</sup> <sup>E</sup> <sup>E</sup> <sup>E</sup> <sup>E</sup> <sup>E</sup> <sup>E</sup>  
 Q X O K O N I G W O I G Z P G K O O K O N I G W O  
<sup>E</sup> <sup>E</sup> <sup>E</sup> <sup>E</sup> <sup>E</sup> <sup>E</sup>  
 I G Z C W G V O K O N I G W O I G Z O K O N  
<sup>E</sup> <sup>E</sup> <sup>E</sup> <sup>E</sup>  
 S O U N E G A P Q K O E G Z X X S O Q N P Q K O L .

### FREQUENCY

O	G	X	Q	S	U	K	N	I	W	L	Z	P	E	C	A	B	T	V
19	15	13	8	8	8	7	7	6	6	5	5	4	3	2	1	1	1	1
16%	13%	11%	7%	7%	7%	6%	6%	5%	5%	4%	4%	3%	3%	2%	1%	1%	1%	1%

### CIPHER KEY

A	B	C	E	G	I	K	L	N	O	P	Q	S	T	U	V	W	X	Z
									E									

– Carl Sagan

NOTES

# Cryptograms

## CRYPTOGRAM 03

R L K O G X A G X S X H S R L S Y W X H K E D K  
 A E T K G I X R E D X R W I I H K E D K E H E J  
 I G D R L K W Y S Z K D X K R G C Y G H  
 S R X K U I X E S T O E D U X E F E Y  
 X R E Y T S Y F P K I G D K L S X R K U K X O G V K  
 E R Y S F L R .

### FREQUENCY

K	X	E	R	S	G	D	Y	I	H	L	F	O	T	U	W	A	C	J	P	V	Z
15	13	12	11	9	8	7	7	6	5	5	3	3	3	3	3	2	1	1	1	1	1
13%	11%	10%	9%	8%	7%	6%	6%	5%	4%	4%	3%	3%	3%	3%	3%	2%	1%	1%	1%	1%	1%

### CIPHER KEY

A	C	D	E	F	G	H	I	J	K	L	O	P	R	S	T	U	V	W	X	Y	Z
									E												

– Carl Sagan

NOTES

## CRYPTOGRAM 04

O S A W F E W I W O S A W Q E B T Z B T N I W J B U C W  
 B O F P B Q B T Z Q S U W D T S F T F I S Q W  
 N P I C O P Z P T P O P Z V B J B T Z  
 O W T Q W T N W X S I Q E W C B X W Q B A W S X  
 N V I B S O B Q M E W O R W T Q B T H B Q B T Z  
 E V A P T O Q S C S S D V R .

### FREQUENCY

W	B	T	Q	S	O	P	I	Z	E	A	C	F	N	V	X	D	J	R	U	H	M
16	15	13	11	11	9	7	6	6	5	4	4	4	4	4	3	2	2	2	2	1	1
12%	11%	10%	8%	8%	7%	5%	5%	5%	4%	3%	3%	3%	3%	3%	2%	2%	2%	2%	2%	1%	1%

### CIPHER KEY

A	B	C	D	E	F	H	I	J	M	N	O	P	Q	R	S	T	U	V	W	X	Z
																			E		

– Carl Sagan

NOTES

## Answer Key – Cryptograms

Solve before peeking. Full solutions below.

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- 01 FROM THIS DISTANT VANTAGE POINT THE EARTH MIGHT NOT SEEM OF ANY PARTICULAR INTEREST YET FOR US IT IS DIFFERENT IT IS THE ONLY WORLD KNOWN SO FAR TO HARBOR LIFE.  
– Carl Sagan
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- 02 LOOK AGAIN AT THAT DOT THAT IS HERE THAT IS HOME THAT IS US ON IT EVERYONE YOU LOVE EVERYONE YOU KNOW EVERYONE YOU EVER HEARD OF LIVED OUT THEIR LIVES.  
– Carl Sagan
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- 03 THE COSMOS IS WITHIN US WE ARE MADE OF STAR STUFF WE ARE A WAY FOR THE UNIVERSE TO KNOW ITSELF SAID CARL SAGAN STANDING BEFORE HIS TELESCOPE AT NIGHT.  
– Carl Sagan
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- 04 SOMEWHERE SOMETHING INCREDIBLE IS WAITING TO BE KNOWN WROTE CARL SAGAN AS A GUIDING SENTENCE FOR THE LIFETIME OF CURIOSITY HE SPENT INVITING HUMANS TO LOOK UP.  
– Carl Sagan