

# The Roberston Bobard Code

## Solutions Group 3

Group		3							
Key comb	Letter	1	2	3	4	5	6	7	8
Key comb	Caesar	X	A	R	A	C	N	I	A
Key comb	Mono	Y	B	E	P	E	A	C	L
Key comb	Vigene	R	O	T	S	S	H	S	A
Key comb	Polybiu	O	B	H	T	H	C	I	G
Key comb	Freemas	B	D	E	S	I	E	N	E
Key comb	Magic S	A	N	B	E	O	M	T	H

Group		3							
word		1	2	3	4	5	6	7	8
Caesar	CELL	FUSION	GRAVITY	ALIEN	MOON	EFFECT	PASSAGE	FLOOR	
Mono	EYE	ROBOT	DISTANCE	DANGER	KEY	RADIO	ORGANISM	NATION	
Vigene	SUN	SHIP	HONEYBEE	JUPITER	CUP	HERO	POSTCARD	LOBSTER	
Polybiu	FUEL	TEA	TURBINE	ILLUSION	STAR	MAN	HAMSTER	NOTEBOOK	
Freemas	SPACE	UNIVERSE	PLANET	DOG	LIGHT	LIFEBOAT	HEAVEN	ICE	
Magic S	GALAXY	REACTOR	ORBIT	ZONE	LOUNGE	QUARTER	CHAIR	BELL	

Group	3								
		plaintext	key	phrase					
Caesar		CELLXFUSIONARGRAVITYAALIENMOONCNEFFECTIAPASSAGEFLOOR							
Mono		EYEROBOTYBEDISTANCEDANGERKEYPEARADIOCORGANISMLNATION							
Vigene		ROSUNTSHIPHONEYBEESHJUPITERCUPHEROPOSTCARDSALOBSTER							
Polybiu		FUELOTEABHTURBINETHILLUSIONCIGSTARMANHAMSTERNOTEBOOK							
Freemas		BSPACEUNIVERSEDPLANETESDOGIELIGHTNLIFEBOATEHEAVENICE							
Magic S		GALAXYREACTORANBORBITEZONEOLOUNGEMQUARTERTCHAIRHBELL							

### Caesar Cipher

		Shift							
Group	3	13	Plain	ABCDEFGHIJKLMN	OPQRSTUVWXYZ				
			Cipher	NOPQRSTUVWXYZ	ABCDEFGHIJKLM				
			phrase						
			Plain	CELLXFUSIONARGRAVITYAALIENMOONCNEFFECTIAPASSAGEFLOOR					
			Cipher	PRYKSHFVBANETENIVGLNNYVRAZBBAPARSSRPGVNCNFFNTRSYBBE					

### Monoalph Cipher

		Keyword		Keyword used		Alphabet			
	3	HYPERFUNCTIONS			Plain	ABCDEFGHIJKLMN	OPQRSTUVWXYZ		
				HYPERFUNCTIONS	Cipher	HYPERFUNCTIONS	ABDGJKLMQVWXZ		
			phrase						
			Plain	EYEROBOTYBEDISTANCEDANGERKEYPEARADIOCORGANISMLNATION					
			Cipher	RXRJBYBLXYRECKLHAPREHAURJIRXDRHJHECBPBJUHACKSOAHL CBA					

## Vigenere Cipher

	Keyword	plaintext	key phrase
3	WIZARD	Keyword	WIZARDWIZARDWIZARDWIZARDWIZARDWIZARDWIZARDWIZARDWIZARDWIZA
		Plaintext	ROSUNTSHIPHONEYBEESSHJUPITERCUPHEROPOSTCARDSALOBSTER
		Ciphertext	NWRUEWOPHPYRJMXBVHOAGJLSEBDRTXLPDRFSKASCRUZAZLFEOBDR

## Polybius Squ Cipher

Gr		Alphabet
3	Plain	T U V W X Y Z A B C D E F G H I J K L M N O P Q R S
	Cipher	11 12 13 14 15 21 22 23 24 25 31 32 33 34 35 41 42 43 44 45 51 52 53 54 55
	phrase	F U E L O T E A B H T U R B I N E T H I L L U S I O N C I G S T A R M A N H
		331232435111322324351112542441453211354143431255415145254134551123544423453

## Freemason Cipher

Gr	1	Plain	Y Z A B C D E F G H I J K L M N O P Q R S T U V W X
		Cipher	┐┘┌┑┒┓└┕┖┗┘┙┚┛├┝┞┟┠┡┢┣┤┥┦┧┨┩┪┫┬┭┮┯┰┱┲┳┴┵┶┷┸┹

NREACTORSHIPOZONEESJUPITERMHQUARTERHHEROABELLLOBSTER  
┐┘┌┑┒┓└┕┖┗┘┙┚┛├┝┞┟┠┡┢┣┤┥┦┧┨┩┪┫┬┭┮┯┰┱┲┳┴┵┶┷┸┹

## Magic Squa Cipher

### Full Magic Square

1	14	20	26	32	38	44
33	39	45	2	8	21	27
9	15	28	34	40	46	3
41	47	4	10	16	22	35
17	23	29	42	48	5	11
49	6	12	18	24	30	36
25	31	37	43	7	13	19

### Empty Magic Square

1	14	20	26	32		44
33	39	45	2	8	21	
	15		34		46	3
41		4	10	16	22	35
17	23		42	48	5	11
49	6	12		24	30	36
25	31	37	43		13	19

phrase Square

GALAXYREACTORANBORBITEZONEOLOUNGEMQUARTERTCHAIRHBELL

G	A	I	E	G	R	44	
E	T	A	A	E	T	O	
A	N	L	M	E	I	L	
R	R	A	C	B	E	Q	
O	Z	O	T	H	X	T	
B	Y	O	R	O	U	U	
N	N	A	C	R	R	B	ELL