

# The Roberston Bobard Code

## Solutions Group 1

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

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

Group	1
	plaintext key phrase
Caesar	SUNRDISTANCEETHONEYBEEKEYCUPSCORGANISMSYPOSTCARDEYE
Mono	FUELGRAVITYORHTURBINEMOONSTARCHIPASSAGEIHAMSTERXCELL
Vigene	BASPACEEFUSIONPLANETAINALIENLIGHTEFFECTTHEAVENNAFLOOR
Polybiu	GALAXYAROBOTBBORBITPPDANGERATLLOUNGERADIOCHAIRNATION
Freemas	NREACTORSHIPOZONEESJUPITERMHQUARTERHHEROABELLLOBSTER
Magic S	UNIVERSETEADBSDOGTILLUSIONELIFEBOATCMANEICEGNOTEBOOK

### Caesar Cipher

	Shift	Alphabet
Group 1	11	Plain ABCDEFGHIJKLMNOPQRSTUVWXYZ Cipher PQRSTUVWXYZABCDEFGHIJKLMNO
	phrase	
Plain	SUNRDISTANCEETHONEYBEEKEYCUPSCORGANISMSYPOSTCARDEYE	
Cipher	HJCGSXHIPCRTTIWDCTNQTTTZZTNRJEHRDGVPCXHBHMHEDHIRPGSTNT	

### Monoalph Cipher

	Keyword	Keyword used	Alphabet
1	HYDROBIOLOGIST	HYDROBILGST	Plain ABCDEFGHIJKLMNOPQRSTUVWXYZ Cipher HYDROBILGSTACEFJKMNPQUVWXXZ
	phrase		
Plain	FUELGRAVITYORHTURBINEMOONSTARCHIPASSAGEIHAMSTERXCELL		
Cipher	BQOAIMHUGPXFMLPQMYGEOCFFENPHMDLGJHNNHIOGLHCNPOMWDOAA		

## Vigenere Cipher

	Keyword	plaintext	key	phrase
1	YOGURT	Keyword	YOGURTYOGURTYOGURTYOGURTYOGURTYOGURTYOGURTYOGURTYOGURTYOGU	
		Plaintext	BASPACEEFUSIONPLANETAINALIENLIGHTEFFECTHEAVENNAFLOOR	
		Ciphertext	ZOYJRVCSLOJBMVFRGCHGCETJWKHCBEVZYWYCQZBVTTSTHRYJCUL	

## Polybius Squ Cipher

G r		Alphabet																									
	Pla	Y	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V		
1	in	W	X																								
	Cip	11	12	13	14	15	21	22	23	24	25	31	32	33	34	35	41	42	43	44	45	51	52				
	her	53	54	55																							
phrase																											
G A L A X Y A R O B O T B B O R B I T P P D A N G E R A T L L O U N																											
G E R A D I O C H A I R N A T I O N																											
2413331355111344411441511414414414315142422113352422441351333341523																											
5242244132131411525133144351351314135																											

## Freemason Ciphers

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  
L.T.L.O.C.T.R.V<O.O.U.L.T.T.F.A.V.G<.T.L.M.C.V.L.T.F.T.V.V.T.O.L.T.J.J.J.O.O.O.F.T.T.

# Magic Squa Cipher

## Full Magic Square

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

### Empty Magic Square

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

phrase Square

UNIVERSETEADBSDOGTILLUSIONELIFEBOATCMANEICEGNOTEBOOK

U	S	L	N	B	A	G	
N	N	N	E	L	E	O	
L	A	E	O	I	T	D	
E	O	U	T	I	T	V	
E	E	A	G	S	I	C	
F	C	B	R	D	T	I	
I	O	E	M	E	S	B	OOK