

CRYPTOGRAMS (All taken from the early editions of "The Cryptogram" during 1932)

1. Crime does not pay. AUNT HET
ABC DEFAB GBE HEFIAT JKGLICKMNOP
GNJJ QNOR BNSTCJQ SKIINCR AE ICS-
EITC GNABEFA BEUC EQ RNWEIHCSCOA.

2. Gruesome. KAPPA KAPPA
IR'L EMPIRE EXP BO AXECGR, YIXP W-
H DXDJYGER CGOAMO, PIMO YMLUH ZMBP,
YUMBO WH ARLBD UMZ, GOPBU "P.*W." R-
OLY UBNR.

3. Peculiar nomenclature. MACROPOD
MAW BFHS PLYEX BXGR LIXLYK HAND
MANOR HANDBRUSH EX GNL PLYS? DOLN-
UOW KXFIOB BNHUXBRY.

4. Stung again. N. JINEER
PRIEST ERIESTETT OVMRESTA ESRT-
TQTB ESMWBT. ZTXVGWK ESRGAP KXVE.
ESGWB ESRWBT V XIGB EVXIEST ERAPTA
EVGWKA ESRA P.

5. Cryptography. PLANTAGENET
AMJFQCKAQUJB AULIPCF ASJ ASKFP A-
KCUMKF AMJFPYKPPJAPF. AKJJUJR AMJQ-
CUZPH AMJAMAQUMJF AMJJMQP AVPZPC
APCPECSV AMXEUJSQUMJF.

6. Called to task. DAMONMAD
ZDQYRK RKXSQ, ZXCWVD ZXYBFDQJF,
YSTZJWF BQCZX ZXJFRQB JOTQWA CDJ-
VA VWCBXZ WCBXZQV YBTOQVA ZXYQV.

7. Breeze disaster. LEIP
*ABCD FBGHJ, GKHL D MNOLFB PKFML M-
FMX MNSHF DAL=SKDVM. GVRGM WMSJFLX
GVRB PKAQJH. XEF SAKBH, DRAMG!

THE ENIGMA



DECEMBER 1968

GREENFIELD, MASS.

NO. 777

30. LINKADE (9)

By PAUL AND VIRGINIA

So I sat on the sandy shore
And the ONE, they sang to me;
And my frail little cockleshell,
It was restless as the sea.

So I sat on the shining shore
And I felt the creeping cold;
And my cockleshell was TWO
Toward the rocks, so grim and
bold.

There I sat on the TOTAL shore
Till my bones became full
chilled;

Till my cockleshell broke up
As the ONE - or God - had
willed.

How we loll by the siren shores
Watching dreams athwart the
reef;

And TWO o'er the waves blow
hope;

And the void's beyond relief.

-----oo-----

CRYPTOGRAMS

By HOODWINK

A Cryptogram, or simple substitution cipher, is the simplest form of secret writing known to man. The cryptogram, as we in NPL know it, is a literal cipher with only the letters of the alphabet used. If H-cipher represents A-plain, then each time "A" occurs in a given crypt, it must be rep-

resented by "H". Various methods have been suggested by well-known solvers for decoding cryptograms, but I have found that the identification of vowels is the most important.

It is incontrovertible that high frequency symbols either precede or follow the extremely low frequency symbols in most of the crypts. Normal frequencies in English prove that the five letters most often used in ordinary English text are E T A O N, with I and R next. If a solver can identify 2 or 3 symbols as certain vowels, his knowledge of word forms and spelling will help to distinguish E and I particularly, and I find that a vowel which predominates as a second letter, and does not occur as a final letter, is probably O. E occurs most always as a final letter, often as next-to-last (because of repeated suffixes as -ED, -ER and -ES). A and U seldom appear as finals, but are often used in second position as well as penultimate (next-to-last).

Three-letter words of low frequency second symbol and high frequency initial and last letters, indicate a low-frequency middle letter, such as H F W D

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as in THE, OFT, AWE, ODE etc. If such a word occurs twice or more in a given crypt, remember that THE is the most-used word in the English language. If another word or words are shown in the crypt with the same two letters as a beginning, the alert solver would try: THERE, THEN, THEY, THEM, THIS, THAT, etc. If the word were of four letters, with a low-frequency final, the first deduction would be THEY. Y has a very low frequency and is used more often as a final letter than any where else; however, it may be followed by -ING in words of 6 or more letters. Y has a dual nature, being used as a vowel (like I), and also as a consonant, as the initial letter of a word or syllable: Youth, LawYer.

"I" is the letter most often found in the third-last position because of the preponderance of the suffix -ING added to other common suffixes: such as -IAN, -ION, -IAR, -IST, -ISH, -IDE, -ICE, -ITH, etc.

Whenever I find a word of several letters beginning AB-cipher, and ending -ABC, I instinctively try -ABC as -ING. Many times I am fooled, but I'll be correct most of the time.

Crypt #8 in January 1968 is a classical example of an example that was solved by identification of three symbols as probable vowels. Frequency and position of N (used three times as ante-penultimate), suggested a vowel, probably I. The frequency and position of X suggested another vowel; Z also offered itself as the third assumed vowel. Hence, J seemed obviously a consonant. J is used three times in

the crypt. It is a final letter of word #14, and initial letter of word #15. It could possibly be D. If N is I, and J is D, then word NJZX is ID--; and if X is a vowel, the word IDEA must result. Assuming that to be correct, substitution of A, D and I in word XJSNMR shows AD-I--; R is used 3 times as the final letter and is undoubtedly S, and so this word must be ADMITS. Again, substitution of known values shows the last word of the crypt to be DESI-- (surely DESIGN).

One word leads to another in any solving. Here, the entire plain text message is soon revealed with the unusual words OUPHE and PASTICHEUR. Another oddity in this case, is that O is used but twice, once as an initial and once as a final letter.

Looking back over the procedure of solving, having deduced DESIGN, word #3 gives -EIG-S, proving conclusively that P is W, and Y is H. By this time, the solver learns that the first word begins GAW-- and can easily supply KY. Most words in this crypt contain 2 vowels and both words #2 and #6 contain 4 vowels each. With such a vowel distribution, it is difficult to distribute them so that 2 or more can not be identified by frequency and position.

Tips for inexperienced solvers: H has an affinity for second and final place. R is used in connection with vowels to form reversed dyads: er-re, ar-ra, or-ro, ir-ri, ur-ru, more than any other consonant. Q is always followed by U and then a second vowel, in English words. H is seldom doubled, but will be found so once

in a great while: WITHHOLD.

Solving with word lists is a possible way of obtaining answers but does not give me the enjoyment that I derive from identification of a word or two; then progressively substituting letter by letter in other words until the whole solution is before me.

I'll admit that I required more time to solve crypt #8 in January Enigma than was needed for numbers #1 through #7. Baful's #7 was no "soft snap", but not as difficult as B. Nat's.

(Ed. Note.):

One way to design an enciphering alphabet is to use a word, or two of a phrase, of ten different letters. Write the alphabet in normal order; under these letters write this "keyword" and follow with the unused letters of the alphabet, as:

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

Q R S T U V W X Y Z

A N D F G H J K M O

It may be necessary to shift the keyword so that no letter stands for itself. Then, use either the top row or the bottom one for the plain-text letters; but not first one and then the other.

-----00-----

Errata in November: #5 should be (9) not (10); #8 has no TOTAL but the answer is obvious; #14, *SIX should be *ONE; #33, add MEN to complete the true Anagram.

Congratulations to A. Chem, who has won a major prize in one of the current TV quiz shows.

In mid-October, our Wortgauler joined the Air Force, after spending a week with his folks in Alexandria, Va.

FINANCIAL STATEMENT

Receipts in October: \$5-Zer-0.
\$4-Mrs. Karl Wihitol, 352 Red Hill Road, Middletown, N. J. 07748.

Balance October 1	
Receipts as above	804.21
Total	9.00
November Enigma	813.21
Directory	56.90
Petty cash	26.50
Treasurer's Exp.	25.00
Total	6.00
Balance November 1	114.40
	698.81

SEPTEMBER SOLVERS' LIST

Everything: 31 flats, 6 forms, 8 crypts: none. Viking's #20 upset the "completers' records".

A. Chem 30-4-*; Amor 19-1-2; Azungu 22-*0; Baful *-7; Bam 25-0-*; Big Daddy 27-0-*; Billy Goat* 18-*2; Blackstone 27-0-0; Captain To 26-4-*; Elmore 20-0-0; Fiddle 20-*3; HoHo* 23-*0; Hoodwink 29-*-*; Ifandor 30-*-*; Larry 19-2-0; Martelia 3-*0; Maxim 0-0-*; Merlin 29-*4; Oedipus 18-0-4; Paul and Virginia 28-0-0; Sherlock Holmes 4-4-1; Sibyl 0-0-*; Viking *-1-1; X. Canuck 19-0-.*

PENETRALIA

1. REBUS (8)
EE
W
He REBUS me, with his command
Of proper sols for all flats,
and
The other puzzles to be found
When Enigma comes around.
Bastrop, Tex. HOODWINK

2. REVERSAL (8)
The Doc said, "go lightly on
helpings of PRIME.
This advice I have FINE upon
many a time."
The Doctor knows best,
But, put to the test,
My resistance is not worth a
dime.
Attleboro, Mass. CAPTAIN TO

3. TERMINAL ELISION (8, 6)
MY FIRST is a game
not all college teams play
And it was invented
by Indians, they say.
It's played with long sticks
and a sponge rubber ball.
Each goal has two posts
seventy two inches tall,
A bar of same length
is in place MY LAST top.
The clock runs an hour --
If no tie, game will stop.
Norfolk, Va. VIKING

4. TRANSPOSAL (4)
The bull will use horns
In his rage to FINE man;
While the PRIME in folklore,
Will get you if he can.
Detroit, Mich. BILLY BEE

5. BEHEADMENT-CURTAILMENT
(6, 5, 5)
"Take CURTAIL!" the corporal
cried out.
The squad jumped to obey his
lusty shout.

A diving airplane could be one
of our side,
But it might be Charlie's, not
to us allied.
Short shrift will be given to
BEHEADED act
Such as sniping or knifing,
that's a fact.
The crypto-Reds are hard to
find,
With TOTAL activity, unrefined.
St. Petersburg, Fla. FIDDLE

6. REBUS (6 4)
SI
DE
It's "topsy-turvy", quote N.I.
If you don't solve this, I
don't know why.
Bastrop, Tex. HOODWINK

7. TRANSPOSAL (6)
On a hunting trip for ONE he
goes out,
Directing his TWO with many a
shout.
He returns empty handed but is
able, at least
To smile while his wife THREE
food for a feast.
Moorhead, Minn. OLIO

8. CHARADE (5)
In ONE battle or TWO fought in a
ring,
To count out the opponent,
victory will bring.
If you ever saw ONE champ
knocked off his feet,
You'd know what the cheering was
all COMPLETE.
Jackson Heights, N. Y. OEDIPUS

9. LINKADE (6)
I ONE my hair, and TWO my eyes,
But I need more exercise
To COMPLETE this excess weight
That I have come to really hate.
Bastrop, Tex. HOODWINK

10. DELETION (9, 8)
I FIRST the baker say his yearly
LAST was much too high.
No wonder that he charged a buck
for eight-inch apple pie.
Norfolk, Va. VIKING

11. CHARADE (6)
Nowhere was there any guide,
And only an old ALL to ride.
With soft ONE upon its back,
Atop this TWO, an ancient hack,
I joggled from side to side,
Traveling slowly far and wide
St. Petersburg, Fla. IFANDOR

12. SPOONERGRAM (7; 2 5)
You take a rubber ball
And toss it at a wall.
And if your pitch is true,
It will come back to you.
But as, of course, you know,
In order to do so
And not veer out of line,
A ball must always FINE
To bounce back every time
Unerring on the PRIME.
St. Petersburg, Fla. MIDURNDIST

13. REBUS (10)
M I C
IO
The sales devised to bankrupt
me;
For I'm a WHOLE, as you may
see.
Houston, Tex. PAUL AND VIRGINIA

14. TERMINAL ELISION (*7, 5)
In Arthur's day, this maiden was
a dilly,
A flower girl, her blossom was
a lily.
She lived in *ALL, and gave the
place some fame,
Thus sweet Elaine thru history's
pages came.
Alive, in ancient Rome, without
much guile,

She would have worn a TWO in
grace and style.
Brookline, Mass. HOHO

15. REBUS (13)
C R I
F T T
When these letters one espies
A real REBUS meets the eyes.
Jackson Heights, N. Y. OEDIPUS

16. WORD DELETION (8; 4, 4)
Not with slang, or TWO, or
argot,
Lamb limbs the mountains steep:
"Great floundering bears and
monsters
They seemed, all TOTAL and
asleep."

And if my verses pain you, son,
Grin and murmur only "ONE".
St. Petersburg, Fla. IFANDOR

17. PHONETIC CHARADE (9)
ONE is about as good as a mile.
TWO makes fresh vegetables keep
a long while.
TOTAL's an ore of whitish hue
From which one can make a
poisonous brew.

Kasupe, Malawi AZUNGU

18. HETERONYM (ONE *2 4 1; TWO
7)

19. SPOONERGRAM (FIRST 4-4; LAST
2 5)
I heard ONE tale about a TWO,
I'll just pass it on to you,
And then I hope we'll all forget
it!

"I'm big", said one FIRST to the
other,
"Higher than a foot, my brother!"
"That's big indeed, I do admit
it!"

The other answered with a laugh,
But I am higher than a calf!"
Will Dad LAST as a wit? or
nitwit?

Virginia Beach, Va. A. CHEM

20. REBUS (1 3 5 6)
A DP NRE

"Late to bed, and late to rise;
REBUS each day, and no
exercise."

Bastrop, Tex. HOODWINK

21. CHARADE (9; ONE is phonetic)
Beyond ten ONES, the Lord gave
them to heed,

Were many more, the men they
picked to lead,
Farouk, Naguib, and Nasser head
the list,

So, to the poor, they never
would be missed.

Since Moses' time, the
fellaheen's been mud,
Not much his life, save sweat,
and tears, and blood.
In numbers TWO, about three
hundred years
Have passed, and Egypt still is
in arrears.

Old King Farouk, a TWO roué
took all

The cash his hands could grab.
He had the gall

To spend it all on horses,
women, wine,

All Europe was his ALL, without
repine.

Brookline, Mass. HOHO

22. CHARADE (*6; 2, *4)
This senör upon the isle of
*TWO

Always shows a blithe and
carefree soul;

Should a Trojan woman bother
him?

"What is *WHOLE to him or ONE
to *WHOLE?"

Cambridge, Mass. WORTGAUKLER

23. TRANSPOSAL (6)
From dream-warm bed, on icy toes
In PRIMAL dawn, my dearest
rustling goes.

And, shutting out the benefits
of last night's rest,
Draws the drapes and FINAL
morning's blest.
Kasupe, Malawi AZUNGU

24. ACROSTICAL ENIGMA (*9)

1-Teacher says he is a fool,
Always tardy at the school.

2-Rat or mouse, around our
house

Speaks squeaky; hateful as a
louse.

A3-Cereal makes for a healthy
day,

Not like throwing at gambling
play.

CE-Real vitamins they put in too,
To help the breakfast food
for you.

AN-5-Gryphons guarding gold, they
say,

Are wroth at strangers, make
them prey.

Revelations thirdly did condemn.
Lukewarm, indolent, sleepy men.
St. Petersburg, Fla. FIDDLE

ANAGRAMS

25. IS FINANCE LURE (4 9)

26. TIME GETS NEARER (10 4)

Brookline, Mass. BIG DADDY

27. I.E., D--N VAST PUNA HERE
(3 *8 *5)

28. GET IN ON A TRIP HERE (3 13)

29. CLASSIC LUSTRE HANGED
(3-5 11)

Norfolk, Va. VIKING

1. LEFT STAR

1. P. 2. Soldier (slang). 3.
Poetical composition. 4. To take
part in. 5. A pointed arch. 6.
More somber. 7. Piggishness. 8.
Hawaiian pine tree. 9. C.

2. RIGHT STAR

1. L. 2. Printing measure. 3.
A dictionary. 4. Pertaining to

Nice. 5. To stop. 6. Not ahead
of scrimmage (football). 7. La-
dy's comb. 8. College degree (ab-
brev.) 9. S.
Bastrop, Tex.

HOODWINK

3, 4. DOUBLE SQUARES

ACROSS-1. Var. of KAVASSES. 2.
T., Italy; 10 NE of Catania. 3.
One that radiates something. 4.
A curling stone (Chamb.) 5. Lay-
ings on a bet. 6. An attempt to
commit a crime. 7. Northern dia-
lect of Tupi. 8. Fixes the rate
of.

Down. 1. Oldest Spanish poss-
ession, Guiana, South America
(Long. Gaz.) 2. ACACETES (Smith's
Dict.) 3. Vedettes. 4. French
form of ARISTAEUS (Lipp. Biog.)
5. Seats. 6. River, Clark Co.,
Kan. 7. To lengthen. 8. SERESTUS
(Lemp.)

ACROSS. 1. CARAPANA (Stieler)
2. Brown breads (Wr. P.) 3. Redu-
ces to a lower rating. 4. ERIE
MINE (R McN.) 5. NESTINGS (Std.)
6. Caatingas. 7. To stretch out.
8. A Trojan who followed the for-
tunes of Aeneas (Lemp.)

Down. 1. Rhythms. 2. T., Italy;
10 NE of Catania. 3. A device
possessing the property of elec-
trical resistance. 4. Pert. to
arezzo. 5. Pummellings (Wr. D.)
6. Alchemical name for verdigris
(Fost.) 7. Northern dialect of
Tupi. 8. Taxes.
Lennox, S. D. SHERLOCK HOLMES

3, 4. By SHADOWY RAVEN

ONETWO	GOOGOL
NEARER	ORTIGA
EASIER	OTELLO
TRIODE	GILEAD
WEEDER	GLALA
ORRERY	LAODAH

OCTOBER SOLUTIONS

1. This one. 2. S-m-other. 3.
Heather. 4. Cots, cost, Scot. 5.
Unclever. 6. W-life. 7. Diced,
cider, cried. 8. S-plush. 9.
Chaste, chased. 10. O-verse-e.
11. Nothing doing. 12. Dog-eared.
13. Usages. 14. Four out of five
15. Ex-trapeze. 16. Pull Ben,
bull pen. 17. Croat, actor. 18.
Lad bicker, bad likker. 19. She
could wear, we should care. 20.
Hallow. 21. One sent, one cent.
22. Sun went, son went. 23. Cor-
uscation. 24. Slow down there,
where's the fire, Pete? 25. In-
solvent, insolent. 26. PODGY, SN-
ug, APPEase, RYot; podanappery.
27. The cyanide of pottasium. 28.
Merchant sailors. 29. The adven-
tures of Tom Sawyer and Huckle-
berry Finn. 30. Squint, suint,
suit, sit; spit, sprit, spirit.

1. Perhaps all queer hit me and
2. Clinic care formerly gratis n
3. Modern trend slim little girl
4. Growth thwarted by icy blasts
5. Why wish warthogs warragals w
6. Dan te buff surtax victim pos
7. Riots chaos angry students pr
8. Juvenile fable bygone era lim

1, 2. By WORTGAUKLER

M	
ROC	
HANOI	
RACOONS	
MONOCLEID	B
COOLERS	BAD
INERT	FILET
SIS	BIZARRE
D	BALALAIKA
	DERANGE
	TRIGS
	EKE
	A

- 8 THE ENIGMA December 1968
1. Inborn talent. Detroit, Mich. - BILLY BEE
ML GNL KIOINEIPDHC RLTEFELKO EAK-
INEKA BPSGK NLDIPNFLD GD MGKOIKHC
GD ML GNL DXPGKRLNEKA IPN UBCDEF-
GH IKLD.
2. Famished. Jackson Heights, N. Y. - OEDIPUS
SAMPLE BCAGMB FMGHFI BJA KBD DSLG-
II DMELOD ER GHTFOGBMUB. FMUGBMO
UFV KLGWBL UFM'O RGMK MEDB VFP.
3. Antarctica. Annapolis, Md. - X. CANUCK
USNAVNYBNVO SVGXSL, MVUXC SZNYV V-
TGPN; SGVUTGO HNXMGUXO EYPSL. OSU-
NXPJUS MVTGH GXZTYC NDGUHKNXP, A-
NMUX ZTXNZQ RUMUZ.
4. Nautch-erally. Brookline, Mass. - BIG DADDY
JWRYNK JRWN=JNPPBNC JDWPNHMDN HF-
WBV=FNRHN VNWLZWYNW EGWRFNH FSWZ-
DES IZPDVFDZDH CRKUN; LBKBSNH RUF
FZ FDWJDPNKF UWBNI.
5. Reckless. Bastrop, Tex. - HOODWINK
CRAFTSMEN ECRFISH NBFMD KCJBNMS
PCJVF SIDE VRIEJ WFTHBO SMWFCH. T-
AHBIN, BVFRZTK WKVXM; NCRWMF KIHN.
6. Hobbyism. Bastrop, Tex. - HOODWINK
ABCD EFGHI. JHZF KELMD CNGBDONP M-
GFHCBEF. CBKV MHCDOJF CVNBGT SEOPQ
TFGOQVD YVFP KOMVFE CNGRFT.
7. Mayhem. Annapolis, Md. - SIBYL
CERTAINLY ZAXNR ZNIWAY PQYVERCAI
SRVN NLVXERC SYU AMVIE CAVNLI, SWQ
KEFAC VLIRKSGA.
8. Cruise. Dallas, Tex. - MAXIM
LUOW=VGZ ZGSPB BDUE UCSFTVWM LGDW,
NWGFM, LUMP, XGBWD MAUU, EDHXF GDH-
TCV XGDN BDHEUSGF UMBPNTM.

THE ENIGMA



JANUARY 1969

Greenfield, Mass.

NO. 778

"A TALE OF TWO CITIES"

By FIDDLE

Corinth was a famous city of ancient Greece. One of its exports was currants, which word derives from it (and this I never knew until quite recently). The traveller to Greece, after seeing wonderful Athens, may often wish to visit the Peloponnesus, the southern part of Greece, separated by a narrow isthmus. This isthmus in the present time is cut by a ship's canal, just about 70 feet wide and only 4 miles long; you can stand on the canal bridge and see all of the canal, looking both ways. A mile and a half to the south, you come to the city of Corinth, and you will wish to visit the old town and the agora where St. Paul spoke to the Corinthians. If there is a preacher in your party, he will probably stand where St. Paul stood and open his Bible and read from the First Epistle to the Corinthians, while you listen respectfully. Farther south high up appears the Corinthian Acropolis, which I regretted not having time to climb, in Athens. A beautiful place is Corinth, with its historical memories.

There is another Corinth, in

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There is another Corinth, in the state of Mississippi, known to the Krewe as the home city of Fred and Freddie Domino. Fred Domino, lately departed from us and sorely missed, was one of the most prolific anagram makers of The National Puzzlers' League. I very much cherish a nice box of anagram letters which he presented to me as a prize at the NPL convention in St. Petersburg in 1950.

Phyllis (my wife), accompanied by Bunney (sister of Quefanon -- both Quefanon and Bunney are now deceased), made a motor trip to Corinth, Mississippi several years ago, and stayed overnight with Fred and Freddie. I, myself, stopped there in 1964, en route to St. Louis, Mo., for my 50th reunion at Washington University.

I must prepare you by admitting that neither the state of Mississippi nor Corinth, Mississippi, is renowned for holiness, whatever St. Paul may have accomplished in the other Corinth. As I go on, you will see what I mean. Arriving at Corinth, Miss., at about 4 P.M., I was not able to reach either Fred or Freddie by phone -- as they were both working. And so I stopped at a motel 4 miles