THE ARMCHAIR

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THE TREASURE HUNT

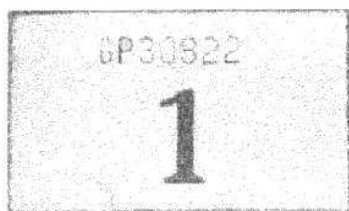*No Home Is Happy Without It*

The Answers

Treasure Found in Cranford

Another Armchair Treasure Hunt sinks slowly in the West and normal life can be resumed until next year. Thirteen people found the treasure-box this time, in its hiding place in a hollow stump in Cranford Park. The key was to spot the connections with the Elizabeth Gaskell novel *Cranford*.

First to the treasure was Martin Milnes, followed just a few hours later by Rosalind Barden. Both these teams, like many of the top entrants, cracked the difficult Playfair code first before working backwards through the other clues.

Winner of the quiz part of the competition was the Dave Kee team, rumoured to consist of over 80 people. Second was the "quality not quantity" Dave Harding team, and third was Rosalind Barden. The prize for

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What all the fuss was about

most gallant failure goes to Mark Amey, who ran out of time just before finally cracking the last few codes.

Prizewinners should receive their reward, in the form of M&S gift tokens, with these answers.

The only remaining question is – what happened to ticket number 10?

Thanks

My thanks to Emma for getting *Noticeboard* out before Christmas, to Pablo senior for the opera questions and the LSSC for the prizes. Thanks, too, to all entrants, particularly non-Logica people, for supporting this annual event.

The next competition will be set by someone completely new - so watch those noticeboards!

Scoring System

As always, each question has been given a score equal to the number of wrong or omitted answers received for that question. 42 people entered the competition, so if everybody got a question right then it scored 0; if only one person got it right then it scored 41.

The same principle was applied to the the the codes and other puzzles in the quiz. In the case of the codes you usually had to say why the decoded text was relevant in order to get the points.

The score for each question is shown in sqaure brackets after the answers below. From this you can calculate how many people got the question right by subtracting this number from 42.

It should be noted that no question remained unconquered and that the winning team had only four wrong answers.

Contents

The A-Z Quiz

The following is in alphabetical order of the keyword in each answer.

H What has a mater, a rete, an alidade, and a number of climates?
An **astrolabe**. The mater is the base plate, the rete is an open-pattern map of the stars, the alidade is a rule used for sighting objects in the sky. Between the mater and the rete are an optional number of climates showing co-ordinate lines for different latitudes. [15]

J The following words have been scrambled. What is the unscrambled version of the odd one out? CUBEKEY, CHUBRUS, CLABIEM, RAMSOAG.
The unscrambled words are: buckeye, bruchus, emblica and margosa. **Bruchus** is an insect, the rest are trees. [35]

Q What are graded in Scoville Units?
Chillies - or their heat. 1% capsaicin = 150,000 Scoville units. Chillis range from the Mombasa at 100,000 Scoville units to the mild Mexico at 40,000. Capsaicin is soluble in fat but not water, so if your enchilada is too hot, eat some lard. [33]

U Which town was the sixth largest in England in the early 13th century but is now largely submerged?
Dunwich, Suffolk. They do say you can still hear the old chuch bells tolling under the sea...[12]

K What was the sister-ship of the *Terror*?
The **Erebus**. These were the ships used by Sir John Franklin for his ill-fated attempt to navigate the North-West passage in 1845. They had one previous careful owner in James Ross who used them in his attempt to reach the South Magnetic Pole - there is a Mount Erebus and Mount Terror on Ross Island in Antarctica. [18]

L In which novel would you find Farmer Mint and his son 'Boy'?
First Light by Peter Ackroyd. Boy Mint is always being told by his father to keep his powerful brain in check. [39]

G What did William Herschel originally name the planet he discovered in 1781?
Georgium Sidus after George III. Coincidentally, a year later Herschel was made private astronomer to the king. The planet was later called Herschel, the modern name of Uranus only coming into use in 1850. George was mad. [6]

E What is at sank roo doe noo?
Harry's New York Bar at 5, Rue Daunou in Paris. Early advertising told travellers to ask for "sank roo doe noo" on arrival. The bar, patronised by Ernest Hemingway and F Scott Fitzgerald, reputedly invented the Bloody Mary. [32]

N Who stirred up the sea with a jewelled spear, creating islands from the drops?
The Shinto gods **Izanagi and Izanami** ("He who invites" and "She who invites"), central characters in the Japanese creation myth. [29]

D Whose organ helps snakes to smell?
Jacobson's organ. The snake's tongue flicks out and captures molecules which are analysed by this organ, augmenting the snake's otherwise weak sense of smell. [13]

V Where is the Temple of the Tooth?
Kandy, Sri Lanka. The temple contains one of Buddah's teeth. [16]

O A butcher in Shakespeare says: "The first thing we do, let's kill all the..." - what?
Lawers (see Henry VI part II, act IV scene ii line 70). [10]

R Who made the furniture in Miss Cranston's tea rooms?
Charles Rennie **Macintosh**. He decorated four of Miss Cranston's Glasgow tea-rooms around the turn of the century, featuring his ladder-back chairs, which now sell for astronomical sums. [23]

Y What is missing from this series and why? P, DL, ? , T, S, P, A
N for Network. The letters represent the seven layers of the International Standards Organisation's OSI model for computer communications: Physical, Data Link, Network, Transport, Session, Presentation and Application. Not very well answered, under the circumstances. [39]

C What was instituted by Georges Nagelmackers?
The actually founded the Wagons Lits, of which the **Orient Express** was the best known. [27]

A What do Swedes eat on Thursdays?
Pea soup. The Vikings believed that pulses were a favourite food of the gods, in particular Thor, the god of thunder, thus acknowledging their notorious digestive effects. Hence, yellow pea soup was and is served on Thor's day. Usually eaten at lunchtime, the soup contains pork, and Finns like to stir a spoonful of mustard into it. It is traditionally followed by **pancakes** with cream and lingonberry jam and accompanied by a glass of **punsch**, so any of these got a mark. [21]

M If Juliet lives near India, then near which city does Romeo reside?
Quebec - these are letters from the International Radio Alphabet. [5]

Z Who did Alexander the Great marry in 328BC?
Roxana, daughter of Oxyartes. [10]

S Which country has the most camels?
Somalia with 6,860,000 of the total camel population of 19,627,000. Egypt is sixteenth with a mere 200,000. Interestingly, Somalia also has the largest goat population. [33]

I Who sang *Rule Britannia* in a rugby shirt, while carrying a dragon and a rugby ball?
Bryn **Terfel** the bass-baritone at the 1994 last night of the Proms. [23]

X Which instrument gets its name from the Hawaiian for "jumping flea"?
The **ukelele**. [13]

W Who didn't paint *The Disciples at Emmaus*, exhibited in 1937?
Vermeer. In fact the painting was a bold and elaborate fake by Han van Meegeren, who later had to prove he had faked this and his other Vermeer 'discoveries' in order to prevent being charged with selling these national treasures to the Nazis. [26]

F If Sophie is the daughter of Geoffrey and Jane, what is the first name of Florence's father?
William Black, husband of Sophie Grigson who was the offspring of poet Geoffrey Grigson and the food writer Jane. Baby Florence was seen in various pre and post-natal stages during William and Sophie's twee TV series *Travels à la Carte*. One team guessed at William simply because it is the most popular boy's name according to the *Births* column in *The Times*. [30]

B Which composer's work provided the model for Le Corbusier's Philips Pavilion at the 1958 Brussels Exhibition?
Iannis **Xenakis**, inventor of *musique stochastique*, which is computer generated and based on mathematic probablity. [19]

T What was first isolated by Johan Gadolin in 1794?
Stictly speaking, the answer is **Yttria**, a mixture of rare earth oxides among which was that of the element **Yttrium**, used to provide the red in colour TVs. Either was accepted. Gadolinium was named after Gadolin, not isolated by him. [13]

P Who directed the film whose theme is used as the background for Simon Bates' *Our Tune*?
This is the theme from **Zeferelli's** version of *Romeo & Juliet*. [21]

The Pop Quiz

10 The album with the un peu pretentious liner notes quoted in the question was **Tales from Topographic Oceans**, the 1973 album by Yes. This is unnaccountably rated as merely number 10 in *Slipped Disks: The Worst Rock and Roll Records of All Time* which describes it as "the most ponderous album by the most ponderous of all art-rock groups". [29]

9 What was the film which inspired the Kate Bush track *The Hounds of Love*?
The Hitchcockian **Night of the Demon**. The sample "It's in the trees! It's coming!" at the start of the track comes directly from the film, whose US name is *Curse of the Demon*. I think one reference wrongly credits *Nosferatu*. However, I have heard Ms Bush explain how she was inspired by a scene in *NOTD* in which several people are running through woods to escape a nameless horror, branches scraping at their faces. As is often the case with Kate's songs, no trace of this vision remains in the lyrics. [33]

8 What was the password used by the security staff at the original Woodstock festival?
"I forgot". As in "What's the password?", "I forgot". Set by "Wavy Gravy", now an affable chap who now divides his time between organising charity concerts by the Grateful Dead and spending the proceeds on healthcare in India. Variants such as "I can't remember", and "I don't know" were accepted, as I like the thought of these being correct answers - and, hey, who can recall anything from the sixties anyway! [35]

7 What was FAC 51?
Collectors who specialise in Manchester's Factory label have a particularly difficult task owing to the label's disposition to number everything they created. FAC 1 is a poster, FAC 2 is a badge and FAC51 is the **Hacienda Club**, Manchester. [24]

6 Who composed *Music for Supermarkets*?
In a somewhat crude atempt to create a collectable record, this was recorded by French synthesiser master **Jean-Michelle Jarre** and issued in a limited edition of 1 in 1983. The disk was auctioned for charity. There were many guesses of Brian Eno, but he did *Music for Airports* and *Music for Films*. [30]

5 Whose 1967 song *Randy Scouse Git* had to be given an alternate title?
The Monkees. They had picked up the phrase from the TV series *Till Death Us Do Part* but despite this tribute the BBC banned the song. It then reached number 2 under the name *Alternate Title*. [22]

4 Who were The Moles?
Released in 1968 on the Parlophone label and produced by George Martin, everthing possible was done to make the public believe this band was The Beatles under a pseudonym. In fact it was the somewhat less worthy **Simon Dupree and the Big Sound**. "We are the moles and we live in our holes" ran the lyrics, as I recall. [22]

3 Under what name did REM appear at London's *Borderline* club on March 14 and 15, 1991?
Bingo Hand Job. These two accoustic gigs were the worst-kept secret in London by the time they occurred. [34]

2 What was The Maytal's number?
"54-46 was my number, now someone else has that number" goes the chorus to the Maytals 1969 reggae classic. The title was lead singer Toots Hibbert's prison id while he was in stir for posession of marjuana. [24]

10 When Ronny Kray shot George Cornell in the *Blind Beggar* pub what record was playing in the jukebox?
It was the Walker Brothers **The Sun Ain't Going to Shine Any More**. Ronny comments on the appositeness of this background music in the Krays' autobiography *Our Story* (as told to Fred Dineage - so that's what happened to him). [25]

The Sports Quiz

1 What is the female vesrion of hurling called?
Camogie. PJ Kavanagh wrote a poem about it. [21]

2 What is Fred Trueman's middle name?
Sewards. [8]

3 Where is the Master Bowl held?
My favourite question in this year's quiz because in just six words it manages to disguise itself as having something to do with US sporting trophies. In fact the bowl referred to is one of those round wooden things used in the game of bowls. The Master Bowl defines the standard of size, weight and bias for bowls throughout the world and sits in state at the headquarters of the World Bowling Board in **Worthing.** In fact scandal has stalked the normally sedate world of bowls recently, as the Australian copy of the Master Bowl was revealed to have an incorrect bias, a situation which the rest of the world accused them of having contrived for their own...er...ends. [34]

4 What was the score when Casey came to bat?
4 to 2 against Mudville, Caseys team, according to the poem *Casey at the Bat* written by Ernest L Thayer in 1888. One of the great pieces of sporting literature, the ending to this poem is truly priceless. (A note to the "Wild Boys" - I don't know what you were reading but you couldn't be more wrong). Martin Gardner analyses its appeal in an essay in his book *Whys and Wherefores.* [31]

5 For how many years was basketball played before the net was made open at the bottom?
According to *Britannica*, around **21 years** The game was invented in 1891 and it was not until 1912-13 that this seemingly obvious improvement was adopted. Until then they'd retrieved the ball from the basket using a ladder, a pole or a chain at the bottom. Several sources seemed to differ on this question and, as there was no confirmer as to the answer I wanted, I have decided to scrap it. [0]

6 In which game is the Catenaccio system employed?
Football. It is the name of the sweeper system, first employed by the Italians, which makes this dull game even duller. [13]

7 The picture shows **Suzanne Lenglen**, the French tennis player who was just about unbeatable from 1919 to 1925, partly because she wore calf-length dresses with short sleeves rather than the crinoline, stays, bonnet, silk gloves with matching umbrella and handbag etc. sported by her opponents. [13]

8 Who was the lightest heavyweight world boxing champion?
Bob Fitzimmons, British champ in 1897, was a mere 167lb. [12]

9 Who are the reigning Olympic rugby champions?
The **USA**, who won in 1920 and 1924, the last time the game was played at the Olympics, possibly owing to the cost of the medals. [12]

10 What is the next in this series? White Dogwood, Azalea, Camellia, Fire Thorn, Yellow Jasmine.
Pink Dogwood. These are the names of golf holes at Augusta, each of which is named after a flower, bush, or tree which can be found near it. The holes are arranged in ascending length (11th, 13th, 10th, 15th, 8th, and up to the 2nd, which is the longest hole at 555 yards). Most people had my answer to this but there was a secondary faction for **Woodbine**, confirmed by a list provided by the "Wild Boys". Odd this - but either was accepted. [24]

The Film & TV Quiz

1 What is the name of Bart Simpson's dog?
Santa's Little Helper. Homer had no money to pay for Christmas presents for his ghastly family and decided to blow the last of his cash on a hot tip he had received for the dog track. At the last minute he sees that another dog in the race is called Santa's Little Helper and decides that this is a sign. Inevitably the hot tip wins and Homer's dog is last. On the way home Homer and Bart find the dog abandoned and take it home, where it is declared the best Christmas present ever. Aaah. Subsequent episodes show the dog's eye view of events in black and white. [20]

2 Which was the only film in which Edward G Robinson and James Cagney both starred together?
Despite toiling for 20 years on the same Warner Brothers lot, the only film in which both stars appeared was **Smart Money**, 1931. [11]

3 What US town is named after a game show?
Truth or Consequences. In 1950, in response to a challenge from the radio quiz show, the people of Hot Springs, New Mexico voted to change the name of their town. Their reward was that the host of the show, Ralph Edwards, broadcast his tenth anniversary show from there. [26]

4 In the Spielberg film *Duel* what was the name of the car driver?
David Mann. Played by Dennis Weaver and possibly named for symbolic effect - certainly no connection with the ex-MD of a certain software house. [23]

5 Which TV comedy series included a regular visit to two talking pandas?
Who Dares Wins. The pandas' conversation mainly revolved around escaping from the zoo or bragging about their sexual exploits. [20]

6 Which film star became considerably less well known under the name of William Goodrich?
Roscoe "Fatty" Arbuckle. In 1921 he was second only to Chaplin as a film comedian. Unfortunately his bedroom style with a young actress called Virginia Rappe, a champagne bottle and a large piece of ice, resulted in a murder trial. Although cleared by a well-bribed jury Arbuckle's reputation was ruined and he resumed a living as a cabaret comedian and film director as William Goodrich until his death in 1933. **[25]**

7 What was the theme tune to *Captain Pugwash*, and who played the accordeon?
The sea-shanty theme was called **The Hornblower** and it was played by Northumbrian accordeonist **Tommy Edmondson**, who was paid £2. Several people had *"The Trumpet Hornpipe"* by a variety of musicians, but no supporting evidence. **[30]**

8 The picture shows **Monica Rose**, the diminutive cockney ex-contestant and then hostess on Hughie Green's *Double Your Money*. Wrong guesses included Barbara Streisand, Twiggy and Sheila Hancock. **[22]**

9 In *2001: A Space Odyssey*, which actor speaks in Russian?
The unlikely figure of **Leonard Rossiter**, who plays the scientist Smyslov. **[15]**

10 In a 1940 film, which countries are ruled by Adenoid Hynkel and Benzino Napaloni?
Tomania and Bacteria, respectively. The film is *The Great Dictator* in which Chaplin plays Hynkel and Jack Oakie steals it as Napaloni. **Germany and Italy** were also accepted as were some alternative spellings such as Turmania and even Ptomania. **[11]**

The Maths Quiz

1 A boy, a girl and a dog go for a 10-mile walk. The boy and the girl can walk at 2mph and the dog can trot at 4mph. They also have a bicycle which any of them (including the dog) can ride - but only one at a time. When cycling, the boy and the girl can travel at 12mph, while the dog can pedal at 16mph. What is the shortest time in which all 3 can complete the journey?

2¾ hours.
The boy (say) rides for 5.4 miles, drops the bike and completes the trip on foot. The dog reaches the bike and rides backwards 0.8 miles (so the girl can get to it sooner), abandons the bike and trots to the finish. The girl reaches the bike and rides to the end.

Totals:
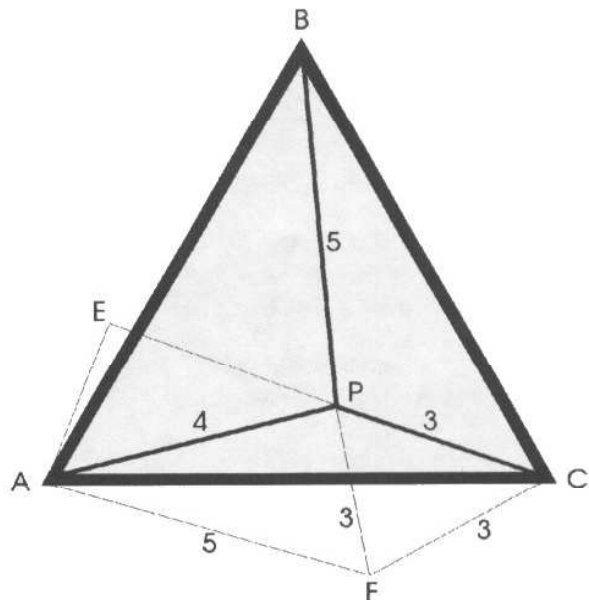Boy: Rides for 5.4 miles, walks for 4.6 miles = 2.75 hours
Girl: Walks for 4.6 miles, rides for 5.4 miles = 2.75 hours
Dog: Walks for 5.4 miles, rides for 0.8 miles, walks for 5.4 miles = 2.75 hours.

Something about this question brought out the anorak in some people. Some proposed strange curved paths, others an entry into the third dimension, while the rest were content to point out that if you are on a ten-mile <u>walk</u> you can't use a <u>bike</u> (geddit!). Unfortunately they failed to take your compiler's dislike of pedants into full account. **[25]**

2 If you have 1,140 apples, 11,400 peaches and 11,970 grapes then how many pawpaws have you got?
10,051. Remove the p's from each fruit and multiply the remaining letter values together. Alternatively value a = 23,370, p = -10,830 and e = -570 and all other letters as 0. Now add the values togther. In this way you have **25,080** pawpaws. Two other methods, which I haven't got space for here (but see later), give an answer of **160,618**. **[2]**

3a X is the smallest 10-digit Number whose 1st digit = the number of 0's in X, whose 2nd digit = number of 1's in X and so on until its 10th digit, which equals the number of 9's in X. What is X?
6210001000. **[8]**

3b Y is the smallest 10-digit number that uses numbers 0-9 exactly once and can be divided exactly by all numbers from 2 - 9. What is Y?
1234759680. **[15]**

4 How can 1,000,000,000 be written as the product of two factors, neither of which contains any zeros?
$10^9 = 2^9 \times 5^9$ = **512 x 1953125**. A similar method can be used on 10^{18} and 10^{33} if you're very bored. **[7]**

5 An equliatera1 triangle contains a point P that is three, four and five inches from the triangle's corners. How long is the side of the triangle?

One way is to construct triangle PCF so it is equilateral, and make AE perpendicular to PC extended to E.
Angle PCB = (60° minus angle PCA) = Angle ACF.
Triangles PCB and FCA are thus congruent and AF = BP = 5.
So APF is a right triangle and APE = 180 - 60 - 90 = 30°.
Hence AE is 2 and EP is 2√3.
Thus AC = √(2² + (3 + 2√3)²) = √(25 + 12√3)
= **6.766+**.

6   How many toes has a two-toed sloth?

10. The two-toed sloth or unaus has two toes on each front foot and three on each hind foot. The three toed sloth or ai, favourite of Scrabble-players, has three toes on each limb. As this question was something of a double bluff, I was disappointed to find no answers of 2 but pleased to see several of 8. I let off people who answered 6 so long as they explained that the digits at the front were 'fingers'. **[33]**

7   In the following sum, each letter represents a separate digit, so what is ABC?

ABC - D - E - F - G - H - I - J = 100

(i) ABC = 100 + (D + E + F + G + H + I + J)

The sum of the digits 0 - 9 is 45.
Hence (D + E + F + G + H + I + J) = 45 - (A + B + C)

Replacing in (i)
(ii) ABC = 100 + (45 - (A + B + C))

Now ABC stands for 100A + 10B + C
So replacing in (ii)
100A + 10B + C = 145 - (A + B + C)
or
(iii) 101A + 11B + 2C = 145

If A were 0 then 11B + 2C would be a maximum of 115 (B = 9, C= 8), well short of 145.
If A were 2 or more then 101A would be greater than 145.
Hence A = 1.

11B + 2C = 44
The only valid pattern is B = 4 and C = 0

Hence ABC = **140**. **[5]**

8   Customer at 7-11 store. Charged £7.11. Asked how price arrived at, assistant says he multiplied costs of 4 items together. Should have added but same result. What were prices of items?

The answer is £1.20, £1.25, £1.50, £3.16. I regret I know of no way of solving this except by guesswork or a very crude program. **[21]**

9   How many togs are there to a clo?

In Britain, the warmth of clothes and duvets is measured in togs. The international unit, invented by Professor A Pharo Gagge (honestly!), is a clo. A tog is **0.645** of a clo or a clo is **1.5504** of a tog. Either was accepted. **[31]**

10   The crossnumber puzzle first appeared in *The Strand Problems Book* and was composed by G H Savage. In the book I sourced it from, *The Penguin Book of Curious and Interesting Puzzles*, the information that the year is 1935 is omitted, which makes stage (vi) below impossible to determine - or have I missed something?

(i) The two dates give 1 as the first digit of 11 ac. and 8 ac.
(ii) 15 ac. (a cube) must be 27 for since 9 dn. ends in 1, applying 16 ac. with a value of 64 for 15 ac. would give a 3 for the end of 7 dn. (a square) which is impossible. Hence 16 ac. is 16 and 9 dn. is 11.
(iii) Since 10 dn. = 10 ac. x 11, 10 ac. must end in 2.
(iv) From farmer Mint's walking speed we can now calculate 14 ac. to be 792.

(v) Inspection of column 2 shows that 12 dn. = 19.
(vi) 11 ac. must be 191* and 3 dn. must begin with 1 or 2.
(vii) The number of roods being integral, 1 ac is an even multiple of 10, therefore ends in 20.
(viii) The length and breadth of Dog's Mead must be two numbers whose sum is 396 and whose product ends in 20; also between them they contain the factor 11 twice over. Therefore they are 220, 176.
(ix) Hence 1 ac. is 38720, 6 ac. is 44, 7 ac. is 352, 7 dn. is 30976.
(x) From 6 dn. we can deduce that Mary is 22, so 3 dn. is 22 and 11 ac. 1913.
(xi) Hence 8 ac. is 1610 and 13 dn. is 325.
(xii) In 1 dn. the number of shillings per acre begins with 3. Hence price per acre is between £15 and £20 and there are 8 acres. Hence 4 dn. is 142 qnd 1 dn. is 355.
(xiii) The 'down' number that equals an 'across' number must be 10 dn. 11 times Farmer Mint's age cannot = 352, therefore it is 792.
(xiv) Finally we want a square for 2 dn 7**6. This can be 84 squared or 86 squared. But 84 squared is 7056, which will not do for 5 ac.
(xv) Hence 2 dn. = 7396.

So Mrs Grooby is **86 [13]** and the completed grid is:

Potted Biographies

The connection between all these people is *The Twelve Days of Christmas*; they are shown in the 'correct' order below.

5   New-Zealand born lexicographer known for his dictionaries of slang and catchphrases.
Eric Partridge. [21]

12   Prussian meteorologist who identifed the different ways in which storms move in the Northern and Southern hemispheres.
Heinrich Wilhelm Dove. [26]

2   Composer of *La Fille de Madame Angot*.
Alexandre Charles Lecoq. [17]

11   British commander who fell at the Battle of Majuba Hill.
Sir George Colley. [14]

3   A co-originator of the steady-state theory of the universe.
     Thomas Gold. [15]

10   Third in a line of noted British conductors, who also composed the opera *Judith*.
     Sir Eugene Goossens. [17]

7   Inventor of the dry photographic plate and an early lightbulb.
     Sir Joseph Wilson Swan. [18]

6   Spokesman for San Fransico's gay community, murdered by the "Twinkie Killer" in 1978.
     Harvey Milk. [21]

8   A mistress of James IV, probably poisoned along with her two sisters.
     Margaret Drummond, who was James IV's (of Scotland) mistress until his politically expedient marriage to Margaret Tudor when she and her sisters mysteriously perished. Drummond inspired a poem beginning "The blossomis that wer blicht and bricht" which may have been composed by James himself. [22]

1   Swedish statesman, captured at the Battle of Poltava.
     Carl Greve Piper. [24]

9   Architect of All-Hallows church, London Wall.
     George Dance. [16]

4   Thirsk man who established a sports ground at Dorset Square in 1787.
     Thomas Lord. [10]

The Arts Quiz

1   Which novel begins as follows? "3. May. Bistritz - left Munich at 8.35 p.m. on 1st May, arriving at Vienna early next morning, should have arrived at 6.46 but train was an hour late."
     This horrific story of delayed trains (blood on the tracks perhaps), leads to the rather tame tale of **Dracula** by Bram Stoker. [34]

2   Who is the "painter of the Umbrian school" referred to in *Mr Eliot's Sunday Morning Service*?
     Piero della Francesca. The poem refers to his *Baptism of Christ* in the National Gallery, the "nimbus of the Baptised God" being a reference to the way the Almighty is depicted as a dove-shaped cloud. In fact (and not a lot of people know this) Piero della Francesca wasn't strictly Umbrian at all but the painting was was wrongly labelled when T S Eliot saw it. [31]

3   What are Graceless, Feckless, Pointless and Aimless?
     Cows, in *Cold Comfort Farm* by Stella Gibbons which, coincidentally, was televised over the new year. [14]

4   Who wrote some music for a razor in 1788?
     Haydn - the String Quartet in F Minor Opus 55 Number 2. Haydn's fee for this was two razors. [23]

5   Who is addressed as "thee" in the second verse of Keats' *Ode To Autumn*?
     A personification of **Autumn** itself or herself. Gratifyingly, several leading teams tied themselves in knots over this question. [17]

6   Which opera character paints *The Passage of the Red Sea*?
     Marcello in *La Bohème*. [28]

7   Whose 1930 opera has a nose as a central character?
     Dmitry Shostakovitch. His first opera is called *The Nose* and is based on a story by Gogol. [18]

8   How old was Shakespeare when the King James Bible was published? Hence, how has he left a clue in the Book of Psalms to 'prove' that he he wrote it?
     Shakespeare was **46** in 1611 when King James Bible published. **In Psalm 46, the 46th word is 'shake' and the 46th from the end is 'spear'.** At least, this is the theory. It all rather depends how you count it. The psalm also contains "will" and I am". Sure proof indeed. [28]

9   Which poet joined the 15th Regiment of Light Dragoons under the name of Silas Tomken Cumberbatch?
     Samuel Taylor Coleridge, who left his studies at Cambridge in reaction to a financial difficulties and a failed love affair. He was discovered and bought out of the army by his brothers. [20]

10   In Fra Fillipo Lippi's *Annunciation* is depicted a small stone pillar surmounted by a vase of flowers. On the panel of the pillar is a symbol. What is it and why is it there?
     A pair of ostrich feathers inscribed in a diamond ring. This is a **symbol of the Medici family** who commissioned the painting. Ostrich feathers were believed to be all the same length so symbolising justice. The ring symbolises eternity. Foolishly I omitted to mention that the painting is the one in the National Gallery; Lippi painted many *Annunciations* as several people rightly pointed out. [28]

Miscellany

1   What is the answer to this riddle?
         My tines be long, my tines be short,
         My tines end ere my first report.

     Lightning. This riddle appears in the computer game "Beyond Zork". While playing this with a colleague (strictly in our own time, naturally) we failed to solve it, so making further progress impossible. After great efforts we disassembled the program, cracked the text packing algorithm and extracted the answer. Hence anyone who solved it by mere cogitation has my admiration. Good guesses included a sea-mine and...er...a hedgehog. [34]

2   What have these things in common: a horseshoe, a set of rugby posts, a stethoscope, a fish hook.
They are all **shaped like letters**: U,H,Y and J respectively. **[24]**

3   What sort of person would ride a chopped hog?
A Hells Angel. A 'hog' is a Harley Davison, which is then customised or 'chopped'. See Hunter S Thompson's book *Hell's Angels* for more. **[16]**

4   Who succeeded Ruby, Teddy and Offa?
Lucy. These are the names of blind MP David Blunkett's guide dogs. I originally phrased this question as "Who followed Ruby, Teddy and Offa" before realising that the only possible answer was "David Blunkett". **[25]**

5   The name of which city appears in a coded form in Jeremiah 25:26?
Babel or Babylon. According to *Encarta*:

"The sacred Jewish writers of ancient times sometimes concealed their meaning by reversing the alphabet, that is, using the last letter of the alphabet in place of the first, the next last for the second, and so on. This system, called atbash, is exemplified in the Bible, in Jeremiah 25:26, in which "Sheshach" is written for Babel (Babylon), using the second and twelfth letters from the end of the Hebrew alphabet instead of from the beginning."

I always thought Babel and Babylon were different places, though. **[13]**

6   The three-legged chap is Francesco A **Lentini**. Born attached to his half-formed twin, he learned 4 languages, could kick a ball with all three feet and claimed he never needed a barstool. **[35]**

7   What is the connection between scrub, seal, dog, sombrero and prickly pear?
Anguilla, whose territory includes Scrub Island, Seal Island, Dog Island, Sombrero Island and Prickly Pear Cays. Still a part of the Empire despite a little upset in 1969 when it declared independence. This was the hardest question in this year's competition. **[40]**

8   What was the minimum tender price for Logica shares when it went public in October 1983?
140p. 220p was the striking price, which is not the same thing. **[28]**

9   Who is the President of the Rambler's Association?
Janet Street-Porter. As if Ffyona Campbell had not suffered enough on part of her round-the-world walk JS-P accompanied her on the last stage, each outdoing the other in unpleasantness. **[14]**

10 What is vulning herself at Oxford but is in her piety at Cambridge?
A Pelican. In the arms of Corpus Christi college Oxford a female pelican is vulning, or wounding herself, and in the arms of Corpus Christi Cambridge one is "in her piety", standing on the nest nourishing her young with blood. The male pelican was once believed to smother its young, which were then revived by the blood of their mother. The bird is thus the symbol of self-sacrifice, parental love, or charity. **[23]**

11 In Elizabethan times a carver at table was expected to be able to alay a pheasant, gobbet a trout and wing a partridge. What would he do to a peacock?
He would **disfigure** it. Among these carving terms, which can be found in a number of sources, I particularly like 'to mine a crab'. **[37]**

12 The final picture is of **Lou Gerstner**, chairman of IBM. Other guesses were Paddy Ashdown and Gorbachev. **[31]**

Codes and Clues

Page 1

The "750 red herrings and Henry" are a clue to **Cranford [38]**. A cran is a measure of herrings, being 37½ gallons, or about 750 fish. Henry is Henry Ford . Incidentally, there were similar clues in the publicity posters for the quiz, which showed a herring and a Ford car - unsurprisingly, nobody solved it from this!

Page 2

The code is decoded by substituting the 'label' of the questions (A-Z) with the first letter of the most significant word of the answer (also A-Z) **[22]**. The plaintext is:

Come now, you can't have thought things would be that simple. Anyway, let me just take this opportunity to wish a merry Christmas to all solvers.

Page 3

There were no clues in the Enfieldesque introductory text.

"There's nothing in here, just my bafflingly difficult number sequences". If you take the first letter in each word of this phrase it gives the first letter of the most significant word in each answer on this page: Tales, Night, I, Hacienda, Jarre, Monkees, Bingo, Dupree, <a number>, Sun. **[31]**

The Vital Clue is not meant to be played. Each bar gives a letter coded in ASCII. This is 7 bit - the instruction "Sine Partita" (no parity) and the time signature were supposed to be a hint. The higher notes give the 1s and the lower notes the 0s. Each note takes its normal value, so a minim would show two 1s or two 0s as appropriate. The whole message reads **The Chairman's Statement**. See later for the significance of this. **[28]**

The fish is a herring - 37½ gallons again indicating a **cran** and pairing up with the **Ford** on page 7. You got points if you spotted all this. **[36]**.

The "Russian" would have baffled any Russian speaker. It was just to be substituted letter-by-letter on a phonetic basis, made slightly difficult by the fact that there is no w sound in Russian, so I substituted two u's. The full message reads **Captain Brown, killed while reading the Pickwick Papers. Mr Peter shot a Cherubim**. These are two incidents in *Cranford* by Elizabeth Gaskell, something you had to mention to get any points. **[27]**

The code beginning CAHM LPAS is a so-called 'railfence' cypher in which every other letter of the plaintext is extracted and placed at the end, all then being split into groups of four. In this case, decoding is relatively easy - just take letters from the first column and then the second column in turn. The border round the code was supposed to be hint as to the method. The message reads **Clapham South walk three fifty feet left, find under plane**. Again this was not meant to be taken literally but each letter in the decoded message corresponds to the first significant word in the answers i.e. Camogie, Sewards, Worthing, <number>, <number>, football, Lenglen, Fitzimmons, USA, pink. **[27]**

The sketch map shows how to get to my flat near **Highbury Corner**, in case you needed to get any late entries in. **[27]**

The map reference gives the answer to one of the A-Z questions, **Dunwich**, where I can be found on most summer weekends propping up the bar in *The Ship* (Adnams ales), and where most of this quiz was conceived. **[15]**

The section of road map shows **Knutsford**, which was the town where Elizabeth Gaskell was brought up and which forms the real-life location of *Cranford*. **[23]**

For the 'cricket score' code just take the number of runs in each over and take that position in the alphabet. Each bowler should be taken in turn, as in cricket, so the number sequence is 3, 12, 5, 7, 8, 15, 18, 14 or **CLEGHORN**, which is Elizabeth Gaskell's middle name **[35]**. The bowlers were red herrings - the William Morris museum is in Lloyd Park, Walthamstow, which might have tied up with the mention of East 17 on page 3 if you were particularly gullible.

The ticket numbers indicate the letter positions for significant words in each answer: Santa, Smart, Truth, Mann, Who, Arbuckle, Hornblower/Edmondson, Rose, Rossiter, Tomania/Bacteria. **[27]**

The 'banner' can be decoded by using the Chairman's Statement in the Logica Annual Report for 1994 (See *The Vital Clue* on page 3). The L, W, L refers to the line, word and letter in the Statement so the first letter in the plaintext is in line 10, word 18, letter 1 in the Statement. Horizontal lines show word splits. The decoded text reads **Play fair with the surname of the heroine of the novel**. See later for the significance of this. **[31]**

The 'brick wall' shapes are those of countries, scaled and rotated to aesthetic effect. The countries are, roughly left-to-right and down, Mozambique, Albania, Roumania, Yemen, Bangladesh, Austria, Rwanda, Turkey, Oman, Nicaragua. The first letters of these spell **Mary Barton**, the name of a novel by Elizabeth Gaskell **[28]**. Of course the number of letters here may have led you to assume that this had something to do with the first letter of each answer...

No codes on this page.

The car is a 1935 Ford, which ties in with the cran on page 3 to give Cranford.

The code to unravel at the bottom of the page is a Playfair cypher with keyword **SMITH** - the surname of the heroine (yes, I should have said narrator) of *Cranford* - see the 'banner' code on page 5. I don't propose to explain the Playfair algorithm here - it is described in full in the *Encyclopaedia Britannica* article on cryptology and is familiar to regular entrants to these quizzes. The plain text reads:

Start from the Car Park for X Park (entrance off the roundabout at the motorway exit). With the church to your right go through the gate near the "No Parking" sign. Pass the signpost "Trail" and the sign "Bypass Valve" with buildings and old clock on right. Pass through the archway, right and immediately afterwards through another, left. Head towards the signpost "Southern Link" and seat ahead. Bear left with your back towards the building and with wall on right towards gap ahead. Through the gap head towards the distant wall and stop by a seat on right (marked with an L). Turn left into forest with the seat directly behind you. and look for a nesting box in a tree to left. Now look for a hollow stump (also marked with an L) in the middle of the path . The treasure box is inside this. Please make sure no-one is watching as you retrieve it and follow instructions inside.

X is, of course, the village of Cranford, near Heathrow, confirmed by the code on page 8. **[30]**

The animals are deer, fox, cow, hippo, armadillo, mouse, sheep, centipede, camel, mammoth. This gives the first letter of significant words in each answer i.e. Dracula, Franscesca, cows(!), Haydn, autumn, Marcello, Shostakovitch, <number>, Coleridge, Medici. **[27]**

The shapes beneath this are a "half letter" code. Basically, if you fold the panel in half along a vertical line and then hold the whole thing up to the light the plaintext appears. It reads **In the first place X is in possession of the Amazons**. This is the first line of the novel *Cranford* by Elizabeth Gaskell - again you had to spot this to get any marks. **[28]**

The nautical flags (and where would an Armchair Treasure Hunt be without these!) give the first letter of each answer i.e. Lightning, Letters, Hell's, Lucy, Babylon, Lentini, Anguilla, <number>, Street-Porter, Pelican, disfigure, Gerstner. [27]

North and South and *Wives and Daughters* are both novels by Elizabeth Gaskell. [19]

Finally, you got some points if you mentioned that the treasure might be at Cranford [28] and finders of the box were credited with a number of points equal to 42 (the number of entrants)

Quotable Quotes

In this section are some of the remarks from people's answer sheets which amused me this year. They are not attributed but my thanks go to everyone who made the tedious job of marking more entertaining, especially those who made favourable comments on the quiz itself.

"'Original and Best' is a slogan for Cornflakes. We couldn't think of a product with a slogan "No Home Is Happy Without It" but...any home would be miserable without a DOOR. The streamers are blowing around or, according to Robbie Burns, are WIN'T. Put these together with CORNFLAKES and you get "LOOK WEST IN CRANFORD". I'm sure we're almost there..."

"Is it 5, Rue Donut!"
"5 Rue Dau Nau - Crazy Horse"
"5, Rue d'Aunou"
"5, Rue D'eau Nu!"
"Organisation des Nations Unis - 5, Rue d'Onu"
"It's obviously a phonetic rendering of Cinq Rue Du Nous"

"*Farmer Mint and His Son, Boy*. This well-known book tells of an old farming family who had lived on a farm called Little Pigley since 1610. Farmer Mint and his wife lived on the farm with their three children, Ted, Martha and Mary. They had a strange field called Dog's Mead which held a mysterious power over Farmer Mint - he used to walk around it for hours at 3mph continuously reciting its size of 32 roods. He was also obsessed with the value of the field, which he had recently estimated at £17 15s. At the end of this rivetting novel, you are forced to draw the conclusion that this sad state of affairs was brought on by Mrs Grooby, his aged mother-in-law."

"Buckeye. None of the others are anagrams of real seven-letter words. This follows an exhaustive search using the word server at anu@viper.elp.cwru.edu." (Try the OED next time - PC).

"It was the Welsh lady at the last night of the Proms."

"This is a guess - you don't expect me to admit to listening to *Our Tune* do you!"

"Assuming the "Logica" question is not "The Logica Question" then presumably this is it."

"Pop Quiz. Bugger all here - must be getting old."

"I thought this was a family quiz. "Mummy, what's a handjob!", "Ask Daddy darling - he knows". "

"5446 was their number, which means that they joined Logica around 1982, I reckon."

"These are all the names of holes at the Augusta Golf Club. The series is 11, 13, 10, 15, 8. Alternate adding and subtracting of the prime numbers is needed so the next is 19 - the clubhouse."

"He hasn't got a dog."

"Captain Pugwash...I could sing it to if you liked."

"I don't believe this is a true-to-life question - my dog can only pedal at 14 mph."

"If I had that much of the other fruit I wouldn't have any room for any pawpaws."

"Enough for a nice fruit salad!"

Substitute 1 for A, 2 for B etc. Save the prime numbers. Find the HCF of what's left. Compare the HCF with the remaining factors of what's left. If mutually prime then keep, otherwise discard the remaining factors. Multiply the HCF, the primes and any kept factors..."

"Good grief! The only place I've seen this question before was in the Cambridge Scholarship Further Maths paper."

"There seemed to be a dearth of maps in the shops - you didn't buy up the existing supply did you!"

"The map is a sordid part of Islington. "X" and "T&S" are a well-known disorderly house and the pub next door, positioned so they can be frowned on by chapel-goers opposite."

"X marks the Sequinpark Women's Health Club and Gym. The Health Club fits the clue "In the First Place X is in posession of the Amazons" and so we went in to see what they knew about the quiz. They knew nothing but mentioned that their premises in Stoke Newington had just been sold and was going to be called The Amazon Gym. Then we noticed your home address..."

"Almost exactly 350 feet having turned left as you exit from the tube is a magnificent plane tree (one of not many in the area)...the tree is outside the chapel of Saint Oliver Plunkett"

"All I found was a Twix wrapper saying something like "Sorry! You are not a winner this time but keep buying Twix, Mars etc." "

"By counting the number of boundaries in each over and using the same grid letters as for Dunwich one gets a point that is just outside a place called Blacksmith's Corner"

"There are numerous references to Mrs Gaskell in this year's quiz but we were forced to conclude that this was just down to Pablo showing off his knowledge and had nothing to do with the location of the treasure"

"Sweater code. There is a place called Cranford in New Jersey, USA. Yet another indication..."

"My mother was amazed/horrified/surprisingly tolerant about me frantically phoning her on Christmas Eve and insisting that she dig out the Annual Report..."

"Now I knew where the treasure was. My car was parked less than a mile away in the long-term car park at Heathrow and I was 500 miles away..."

"...We set off for Cobham, muttering dark things about the treasure having been near there two years ago and not ever being near Speedwing Logica's offices. After failing to find coincident signs we retired to the pub with a map to locate other possibilities. Shortly afterwards I was grateful for my pint

to wash down those foolish words of mine as we identified Cranford Park, not ten minutes drive from Heathrow House..."

"...carefully watching for Logica teams disguised as dog walkers..."

"I could have done without the tree marked with an enormous "PC" in blue next to which there was a fallen fence - surely the perfect hiding place..."

"...very muddy..."
"...through the mud..."
"...muddied boots..."
"...we just found mud!..."

"...'twere a cold and foggy night, indeed it was difficult even to find the car park in the swirling mist. Surprising then to find so many cars in the car park on such a dark and bitter night. What dastardly deeds could all these suspicious characters be up to! Taking care to ensure we were not followed, we set out to follow the trail, pausing only to listen to the howls of werewolves, just barely audible above the roar of traffic on the M4..."

Roll of Honour

This is included with the usual caveat that not everyone has equal time or resources to complete the quiz. Also, the scoring method and some aspects of this year's puzzle mean that the gaps between teams are exaggerated. An additional 12 entries were made but these were deemed to be veiled requests for the answers so the entrants are not listed here. Winner of the wooden spoon was, traditionally, Phil Gray, who submitted just four answers, all wrong.

Team	Score	Tckt	Team	Score	Tckt
Dave Kee	2506	6	Wendy & Nick Petty	1153	
Dave Harding et al	2355	4	Andrew Healey	1136	
Rosalind Barden & friends	2211	2	Martin Milnes	1086	1
Mark Amey	2183	13	Peter DG Smith & LCP	993	
Ros Skelcher	2122	8	Steve Hames	955	
John England	2037	7	K Tilly	887	
Brian Mills	1997	3	John Kendrick et al	886	
Wild Boys	1859		Richard Porter et al	739	
Longfield Drive Layabouts	1776	11	Greg Roach	709	
ECHO (Retirees)	1769	9	Jeremy Wilde	697	
Garry & Nancy Smith	1610	5	Andrew Bott	672	
Roger Molesworth	1419	12	Chris Harries	660	
Chris Jones	1239		CLEF	589	
Richard Meats	1189		Rod Fine	570	
Lydia Frew et al	1162		Nick Hassell	528	