

PSYCHOLOGICALS FLY AROUND THE WORLD 2014-16

The Psychologicals fly around the world



Yes – there really is buried treasure out there!



Pete - Jo - Rob - Annika

Gisela - Jeannie - Roger - Dave - Nick - Peter

Scott - Robert - Paul - Milke - Sarah - Steve

CONTENTS

Common page elements	3
Page 2	5
Page 3	6
Page 4	7
Page 5	8
Page 6	9
Page 7	10
Page 8	11
Page 9	12
Page 10	13
Page 11	14
Page 12	15
Page 13	17
Front Cover	18
Pink Questions	19
Puzzles	20
Word Search	21
Disquisitions Arithmeticae	21
QR Codes	22
Consultant's Letter	23
Messages from Dr. Frunt	24
Hospital Emails	24
Pixels	25
Finding the Location	26
Croxleyhall Wood Diary	26
Journey File	28
Poster	31
Website Links	31
Music Links	31
QR Codes	31
Themes	31
Ciphers	31
Encirclement of the World	31
Sherlock Holmes	32
Operating System requirements	32
Buildings	32
Moai Head on Easter Island	32
Stop, Look, Listen	32
Extra links to Hunt Themes	33
Rickrolling	33
No Y	33
Trains	34
Shipping	34
Puzzles	34
QR Codes	34
Meterology	34
Questions	35
Music	35
Burnt Patches	35
Pablo	35
Previous Hunts	35

Common page elements

The following objects are common to each of the pages 2-13

Questions

The question numbers correlate to the number of elapsed days from the start of the [Second Voyage of HMS Beagle](#) on 27 December 1831. The numbers are consecutive on each page and correspond to a period when the HMS Beagle was moored. Additionally, the final decoded message from the questions has word breaks coinciding with each page.

Saxophone fingering charts



The range of notes on a saxophone is converted into an alphabet, with alternative fingerings repeating letters. (Note: the top left key on the letter S should be blacked out). The decoded words are all meteorological terms. These are from an extended list of the terms Robert FitzRoy defined for the first weather forecast on 1 August 1861. They do not seem to correlate with weather conditions at each mooring of HMS Beagle.

Each instance of Y has been partially obscured (burnt).

There's a number and symbol associated with each weather term, but there is no obvious message from the ones selected.

Wednesday, July 11, 8 to 9 a.m.	B.	K.	M.	D.	F.	C.	T.	S.
Nalmi...	2754	57	55	W.S.W.	6	9	o.	2
Alberion...	2750	59	54	S.S.W.	5	1	b.	3
Leth...	2770	61	55	W.	3	5	e.	2
Burwick...	2749	59	55	W.S.W.	4	4	o.	2
Artrouan...	2773	61	55	W.	6	5	e.	2
Forsak...	2772	61	54	S.W.	2	2	b.	2
Shanda...	2760	59	54	W.S.W.	4	5	o.	3
Galweg...	2753	55	53	W.	5	6	e.	4
Scarsowath...	2751	57	53	W.	5	1	b.	4
Liverpool...	2751	61	56	S.W.	2	5	e.	2
Valencia...	2757	63	60	S.W.	2	5	o.	3
Guantanamo...	2758	61	59	W.	5	5	e.	2
Yarmouth...	2755	61	59	W.	5	2	e.	3
London...	2767	62	56	S.W.	2	2	b.	—
Dover...	2754	70	61	S.W.	3	7	o.	3
Portsmouth...	2761	61	59	W.	3	5	o.	2
Portland...	2763	63	59	S.W.	2	2	e.	3
Falmouth...	2765	62	59	W.	2	6	e.	2
Yarmouth...	2764	61	59	S.W.	2	5	o.	3
Copenhagen...	2764	64	—	W.S.W.	2	5	e.	3
Helder...	2769	63	—	W.S.W.	6	5	e.	3
Wex...	2768	63	—	S.W.	2	6	e.	5
Bayona...	2763	63	—	—	—	9	m.	5
Lisbon...	2763	70	—	N.N.W.	4	2	b.	2

General weather probable during next two days in the—
 North—Moderate westerly wind; fine.
 West—Moderate south-westerly; fine.
 South—Fresh westerly; fine.

Explanations.
 B. Barometer, corrected sea level; at mean sea level, each 29 feet of vertical rise causing about one-hundredth of an inch depression, and each 1° above 32° causing nearly three-hundredths increase. R. Exposed thermometer in shade. M. Maximum bulb (the expansion and contraction). D. Direction of wind (from two points 45° of azimuth). F. Force (1 to 12—estimated). C. Cloud (1 to 10). I. Intense rain; hazy day; o. clouds (detached). E. Fog; h. hail; S. snow; m. mist; g. gale; t. torrent (hail); R. rain; s. snow; L. thunder; N. Sea (direction) 1 to 10.

NA Not available

0 Clear night

1 Sunny day

2 Partly cloudy (night)

3 Partly cloudy (day)

4 Not used

5 Mist

6 Fog

7 Cloudy

8 Overcast

9 Light rain shower (night)

10 Light rain shower (day)

11 Drizzle

12 Light rain

13 Heavy rain shower (night)

14 Heavy rain shower (day)

15 Heavy rain

16 Sleet shower (night)

17 Sleet shower (day)

18 Sleet

19 Hail shower (night)

20 Hail shower (day)

21 Hail

22 Light snow shower (night)

23 Light snow shower (day)

24 Light snow

25 Heavy snow shower (night)

26 Heavy snow shower (day)

27 Heavy snow

28 Thunder shower (night)

29 Thunder shower (day)

30 Thunder

Circular picture of a station

The circle is a clue to drawing Great Circles to identify the treasure location. [Great-circle navigation](#) is the practice of navigating a vessel (a ship or aircraft) along a great circle. A great circle track is the shortest distance between two points on the surface of a sphere; the Earth isn't exactly spherical, but the formulas for a sphere are simpler and are often accurate enough for navigation.

Maritime Sempahore Flags

These link to the associated location diagram to provide units and additional values.

The flag meanings are:

-  C Course in degrees magnetic
-  G Longitude (The first 2 or 3 digits denote minutes; the last 2 denote degrees.)
-  L Latitude (The first 2 digits denote minutes; the last 2 denote degrees.)
-  R Distance (range) in nautical miles.
-  S Speed (velocity) in knots

Location diagram

These gives the location of the station by different methods

Number	ICS Flag
0	
Zero	
1	
One	
2	
Two	
3	
Three	
4	
Four	
5	
Five	
6	
Six	
7	
Seven	
8	
Eight	
9	
Nine	

- Solar Noon Solar noon is the moment when the sun transits the celestial meridian – roughly the time when it is highest above the horizon on that daytimes on the specific date. It occurs at only one particular line of Longitude each event, hence the associated semaphore flag is just G (Longitude)
- Observation of Polaris. Polaris is so far away (about 434 lightyears) that the rays of light approach the Earth in a parallel manner. It's altitude is exactly the same as latitude (in degrees). Longitude can be calculated by using a chronometer to measure the time (and hence distance) travelled.
- Observation of the Sun. The time of the sun being overhead at Solar noon only depends on Longitude. Latitude can be calculated in a similar way to the observation of Polaris.
- Distance and Bearing. A conventional compass has a magnetised needle which points towards the magnetic North Pole.
- Global Positioning System. GPS works by means of trilateration. The system has 24 satellites in geosynchronous orbit around the earth.

Navigational instrument

To determine a position on the Earth's surface, it is necessary and sufficient to know the latitude, longitude, and altitude. Altitude considerations can, of course, be ignored for vessels operating at sea level. Until the mid-1750s, accurate navigation at sea out of sight of land was an unsolved problem due to the difficulty in calculating longitude. Navigators could determine their latitude by measuring the sun's angle at noon (i.e., when it reached its highest point in the sky, or culmination) or, in the Northern Hemisphere, to measure the angle of Polaris (the North Star) from the horizon (usually during twilight). To find their longitude, however, they needed a time standard that would work aboard a ship. Observation of regular celestial motions, such as Galileo's method based on observing Jupiter's natural satellites, was usually not possible at sea due to the ship's motion.

Robert Fitzroy carried 22 types of navigation instruments with him in the second voyage of HMS Beagle

ATH Corp. logo

This contains a picture of a Moai head on Easter Island, a link to a music file and a morse code.

Page 2: Phil Collins and Philip Bailey, "**E**asy Lover"

Page 3: The Band of The Corps Of Royal Engineers, **R**ule Britannia

Page 4: Four Tops, "**R**each Out, I'll be There"

Page 5: Elton John, "**C**rocodile Rock"

Page 6: The Eagles, "**H**otel California"

Page 7: Whitney Houston, "**R**un to you"

Page 8: The Monkeys, "**I**m a Believer"

Page 9: Gordon Lightfoot, "**S**undown"

Page 10: Bette Midler, "**T**he Rose" (also a version by Saxophone Dreamsound)

Page 11: Richard Harris, "**M**acArthur Park"

Page 12: Free, "**A**ll Right Now"

Page 13: Led Zeppelin, "**S**tairway to Heaven"

Together with the music from the Moai head on page 1 (Beethoven, "Piano Sonata No.14 C sharp minor, opus 27" aka "**M**oonlight Sonata"), the initial letters of the tracks spell **MERR CHRISTMAS** (no Y)

Page 2 WWW.ATHCORP.CO.UK (copy of NSA/CSS site)

Page 3 <http://www.goo.gl/7i0eb9> a Google URL shortner that goes to Rick Astley video

Page 4 TAKE IR REMOTES <http://www.goo.gl/s4bti3> site "How to Test & Diagnose Your TV Remote Control Problem with Your Cell Phone Camera" (subsequently replaced with <http://www.goo.gl/gjzt8a> "Use Your Smartphone to Check for Dead Remote Batteries")

Page 5 KEEP LOOKING

Page 6 KEEP LISTENING

Page 7 KEEP SUMMING

Page 9 <http://WWW.ACTONHOSPITAL.CO.UK> "come back in 2016"

Page 10 DISQUISITIONS

Page 11 ARITHMETICAE

(none on pages 8,12,13)

Dates - 28/02/1831 - 6/03/1831

HMS Beagle location - All Saints Bay, Bahia, Brazil 12°58' S 38°33' W

Station - Bracknell 51°24'47.12"N 0°45'6.08"W

Saxophone weather term – CLEAR NIGHT (0)

Semaphore Flags – Course 263 degrees magnetic

Location diagram – Orienteering Compass showing a bearing of 262.47 from National Maritime Museum

Navigational instrument – Mariners compass

ATH Corp. logo music - Phil Collins and Philip Bailey, "Easy Lover"

ATH Corp. logo morse - WWW.ATHCORP.CO.UK



Questions

64. If X2 is not more than 157 and X5 is 261 or more, what is X? The **Fujita Scale** measures tornadoes F2 is 113–157mph F5 is 261-318mph

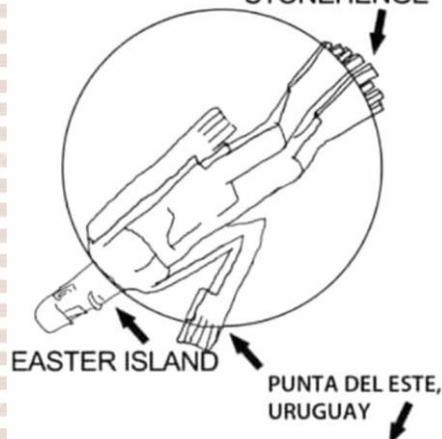
65. Which group's number 1 had no time for Edward Elgar and cod liver oil. **Vorticists** magazine Blast No 1. Besides giving some intellectual coherence to the vorticists' aims, it lambasted numerous institutions and people representative of the stagnant pool of British culture and society (its class system producing "the most intense snobbery in the world"). It contained pages devoted to those who were "blessed" and those who were "blasted". Among the former were England's great ports and its industry, the Salvation Army, James Joyce, music-hall stars and Kate Lechmere (the vorticists' financial backer). Among the latter, we find Elgar; the Bishop of London; the British aesthete, Galsworthy; and cod liver oil.

66. Which non-existent inspector is called for whenever there is a problem on public transport? **Inspector Sands** is a code phrase used by public transport authorities in the United Kingdom, including Network Rail and London Underground, to alert staff and other agencies, such as the police, to an emergency or potential emergency such as a fire or bomb scare without alerting the public and creating panic. The exact wording depends on the station, and the nature of the incident, for example "Would Inspector Sands please report to the operations room immediately" or "would Inspector Sands please report to platform 2".

67. Which Shakespearean character shares their name with a lupine transgender creation? **Orlando** is a character in Shakespeare's As You Like It. **Orlando** is also the name of a book by Virginia Woolf, about a transgender man/woman called Orlando. Lupine = Wolflike.

EARTH

STONEHENGE



68. Which fruity reverie rebounded in Coventry Cathedral in the 1970s? **Tangerine Dream** live at Coventry Cathedral also known as the Ricochet album...

69. Parts of which creature were found during building works on a London station, after possibly sitting on a cornflake since 1822? **Walrus** The **bones** were in a coffin under St Pancras Station with eight other sets of human remains, which are thought to have been used for medical research some time after 1822. Beatles song I am the Walrus lyric "Sitting on a cornflake waiting for the van to come"

70. What word might seasonally complete this sequence and why? LAZILY, UNWELL, FULFIL, HAVANA, TORQUE, INFIRM, ADAGIO, FROLIC. **ESKIMO, EMBRYO, ENHALO, ERINGO, ERYNGO, or ESCUDO**. In reverse Last letters spell COME ALL Y, First letters FAITHFUL so we need a word E????O to complete the Christmas Carol "O COME ALL YE FAITHFUL"

71. What was it hoped would be lightened by using seaweed? **Melasma**. During her pregnancy, Princess Kate Middleton tried out a new "Dreamtone" serum made of seaweed and mushrooms. The exclusive lotion took French scientists seven years to develop. The makers say the cream is one of the first to specifically tackle pregnancy **melasma**, dark freckles which can appear on the faces of new mums.

Dates - 24/08/1833 - 27/08/1833

HMS Beagle location - Port Belgrano, Argentina 38°49' S 62°15' W

Station – Burnham (reversed picture) 51°31'24.14"N 0°38'49.10"W

Saxophone weather term – SUNNY DAY (1)

Semaphore Flags – Longitude

Location diagram – Solar noon on 25/12/2015

Navigational instrument – Marine Sandglass

ATH Corp. logo music - The Band of The Corps Of Royal Engineers, **R**ule Britannia

ATH Corp. logo morse - <http://www.goo.gl/710eb9> (Rickrolling video)

Questions

607. Which tube stop has its own pub? **Kew Gardens** is the only station on the London Underground network that has a pub attached to it. The pub has a door (no longer in use) which leads out onto platform 1. Previously known as **The Railway**, the pub reopened after renovation in 2013 as **The Tap on the Line**

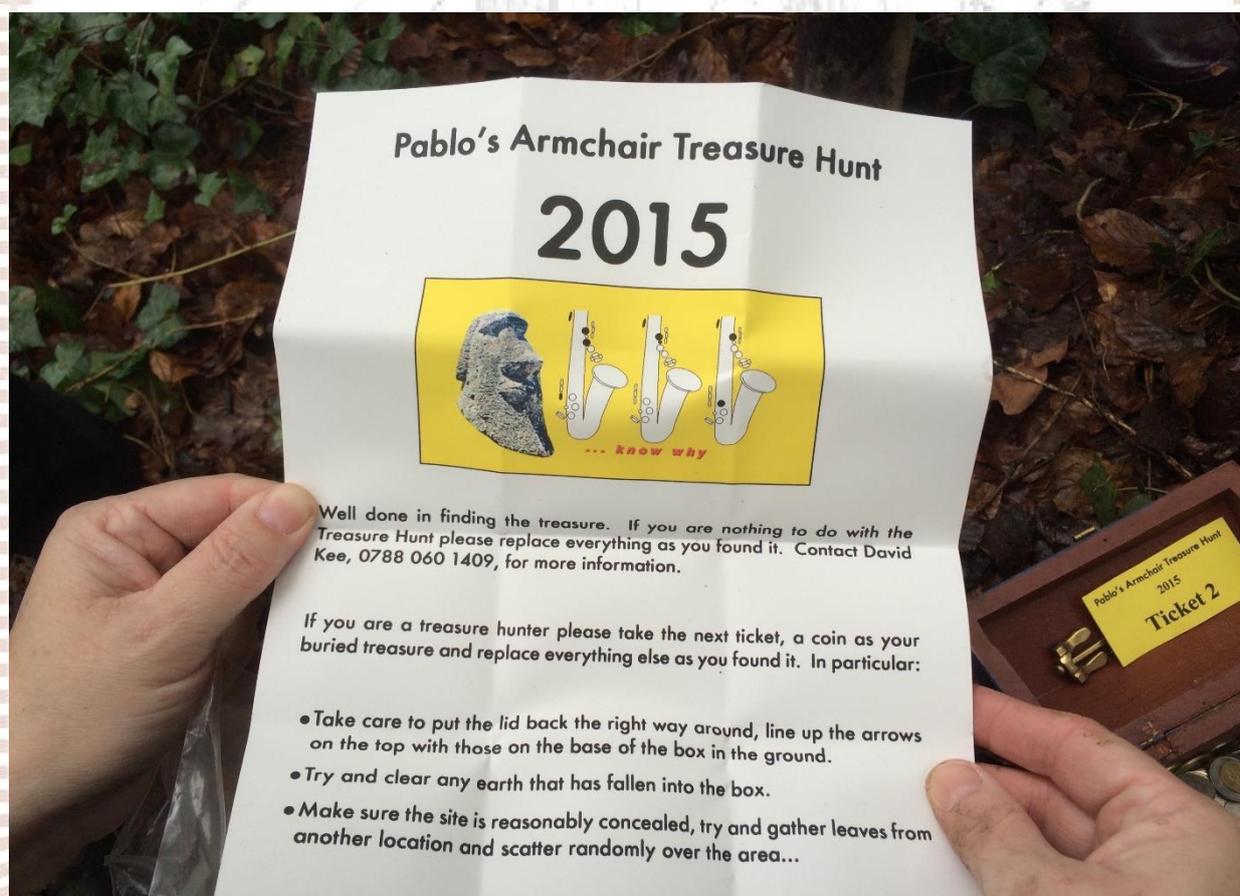
608. Who opened the first main branch post office in a place of worship? **Glenda Jackson** opened post office in St James's Church, West Hampstead

609. How many lakes in the Lake District? **One**. Bassenthwaite Lake. All the others are meres, tarns, hows, water etc..

610. An Englishman sings his National Anthem as part of the celebrations surrounding the coronation of a French king. Where did he fail to get to? **Reims**. Lord Sydney sings the English Anthem in the Rossini opera Il viaggio a Reims, in which the travellers fail to get to Reims for the coronation of French King Charles X.

Other Pictures

Surrounding the Burnham Station picture is a piece of paper with the corner burnt off (Burnham / Burn 'em!)



Dates - 09/01/1834 - 11/01/1834

HMS Beagle location - [Port St Julian, Argentina](#) 49°18' S 67°43' W

Station – Totton 50°55'4.33"N 1°28'56.68"W

Saxophone weather term – MIST (5)

Semaphore Flags – none

Location diagram – Observation of Polaris

Navigational instrument – Kamal in use by [Ahmad Ibn Majid](#) (a navigator)

ATH Corp. logo music - Four Tops, "Reach Out, I'll be There"

ATH Corp. logo morse - TAKE IR REMOTES <http://www.goo.gl/s4bti3> site "How to Test & Diagnose Your TV Remote Control Problem with Your Cell Phone Camera" subsequently replaced with <http://www.goo.gl/glzt8a> "Use Your Smartphone to Check for Dead Remote Batteries"

Questions

745. Which Serbian, who changed direction repeatedly, was persuaded to give up his royalty rights in exchange for a fixed fee? [Nikola Tesla](#) (alternating current induction motor). After an unsuccessful attempt to start his own Tesla Electric Light Company, Tesla found backers to support his research into alternating current. In 1887 and 1888 he was granted more than 30 patents for his inventions and invited to address the American Institute of Electrical Engineers on his work. His lecture caught the attention of George Westinghouse, the inventor who had launched the first AC power system near Boston and was Edison's major competitor in the "Battle of the Currents." Westinghouse hired Tesla, licensed the patents for his AC motor and gave him his own lab. Buoyed by Westinghouse's royalties, Tesla struck out on his own again. But Westinghouse was soon forced by his backers to renegotiate their contract, with Tesla relinquishing his royalty rights to Westinghouse for \$216,000 - they were worth over \$12 Million at the time.

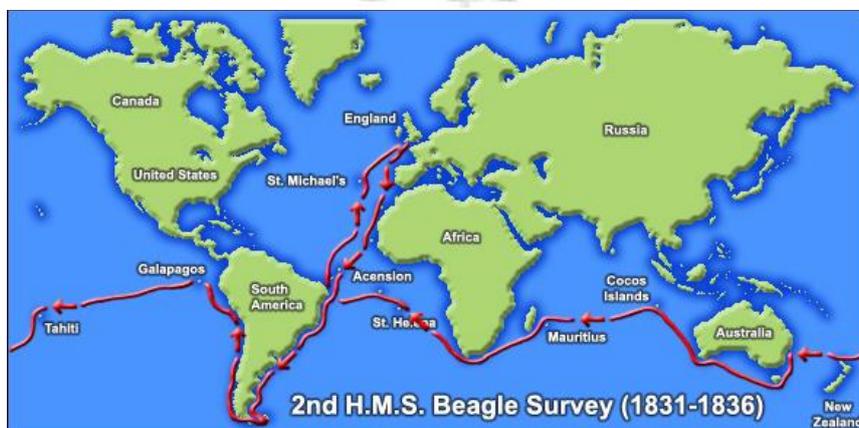
746. Which artist dared to design a comic timepiece in competition with a suitor more successful than McCartney? [David Hockney](#). He and Gerald Scarfe had their first work published in Eagle as winners of a competition to design a [Dan Dare watch](#). Gerald Scarfe married [Jane Asher](#) who had previously been engaged to Paul McCartney.

747. Which country's current banknotes (any of them), when made into a cylinder connecting the short edges, shows a continuous image irrespective of the side of the note? [South African Reserve Bank link](#)



Other Pictures

- The red telephone often represents a hot-line, so is a clue to the importance of ringing the hospital number.
- The pink rolled paper suggests another pink herring and a possible link to Rickrolling.
- The clock shows 1831 which is the year that the Beagle voyage started.



Dates - 13/04/1834 - 19/04/1834

HMS Beagle location - [Rio Santa Cruz, Argentina](#) 50°07' S 68°20' W

Station - [How Wood](#) 51°43'3.66"N 0°20'40.46"W

Saxophone weather term - FOG (6)

Semaphore Flags - Latitude

Location diagram -

Navigational instrument - [Cross staff aka Jacobs Staff](#) calculated angle=14.95 degrees

ATH Corp. logo music - Elton John, "Crocodile Rock"

ATH Corp. logo morse - KEEP LOOKING

Questions

839. The cows have been in the corn by the sound of it. There's not much left on top? [Eton Crop](#) (Eaten crop)

840. Which Scottish isle doubled as a far-distant planet? [Harris](#) (Jupiter in 2001 A Space Odyssey)

841. Where do ducks, sleeping pigs and a flushing loo come together in a picture of light? [Christ Church Cathedral](#), Oxford has [St Frideswide Window](#): ducks and sunflowers in panel 8; sleeping pigs in panel 9; a sign post showing Oxford and Binsey in panel 12; and a toilet in panel 16

842. What first name is revealed by the combination of X and B ? [Harald](#). Combining the runes gives the symbol for Bluetooth on your iphone, ipad etc. Bluetooth was named after Danish King Harald Bluetooth.

843. You are in a western democracy in an area that could contain nearly 5 million Old Trafford football pitches and you cannot use your mobile phone. What is the nearest capital city (less than 250km) and why does this situation exist? [Washington](#) [The Quiet Zone](#) in the eastern USA, so answer is Washington DC, and it exists because of a giant telescope that needs to be undisturbed. 5 Million football pitches are about 35 700 km². That area in the story is 34 000 km². Washington DC is about 250 kms away, on a straight line.

844. What laughable aristocratic nickname was shared by Wolf, James, Norman and William? [Lord Haw-Haw](#) was a nickname applied to wartime broadcaster William Joyce, remembered for his propaganda broadcasts that opened with "Germany calling, Germany calling", spoken in an upper-class accent. The same nickname was also applied to some [other broadcasters](#) of English-language propaganda from Germany - Wolf Mittler (a German journalist), Norman Baillie-Stewart (former officer of the Seaforth Highlanders who was cashiered for selling secrets to Nazi Germany), James R. Clark (a young English broadcaster and a friend of William Joyce).

845. What food connects ascot, coast, costa and tosca? [Tacos](#) (mutual anagrams)



Dates - 23/07/1834 - 31/07/1834

HMS Beagle location - [Valparaiso, Chile](#) 33°03' S 71°38' W

Station – Earley 51°26'30.26"N 0°55'6.02"W

Saxophone weather term – CLOUDY (7)

Semaphore Flags – Latitude

Location diagram – Observation of Polaris

Navigational instrument – [Mariners Astrolabe](#)

ATH Corp. logo music - The Eagles, "Hotel California"

ATH Corp. logo morse - KEEP LISTENING

Questions

940. Which quotation produced gold for the Queen at a place once called East Cote? **Estimate** (name of Queen's horse) "Ideal for horses to gallop at full stretch" East Cote became Ascot.

941. Who is always entitled to carry passport number one? **Prince Philip** holds passport number 1

942. Which actress, acquainted with Samuel Johnson, can still pull today? **Sarah Siddons** was a Welsh-born actress, the best-known tragedienne of the 18th century. She once told [Samuel Johnson](#) that Queen Catherine in Henry VIII was her favourite role, as it was the most natural. No 12 Sarah Siddons is a Metropolitan Railway Electric Locomotive still used for heritage events

943. Where are a groyne and cliff cold, and a woodland and beech leaves warm? **UK/British Passport** (full title United Kingdom of Great Britain and Northern Ireland)

- Background picture titled Coastal Cliff has picture of groyne on RH page and a cold weather front symbol. (Pages 10-11)
- Background picture titled Woodland has picture of beech Leaves on RH page and a warm weather front symbol. (Pages 22-23)

944. Who was exterminated in February 2013? **Raymond Cusick** was a designer for the British Broadcasting Corporation. He is best known for designing the Daleks, a race of aliens who move around in tank-like travel machines, for the science fiction television series Doctor Who. He died 21 Feb. 2013

945. Whose picture was in the shop first? **Jennifer Walters** [Jennifer in Paradise](#), the first image [Photoshopped](#) by [John Knoll](#) At the time Jennifer was his girlfriend, but is now his wife.

946. Which Polish town is named after a famous French food preserver? **Zyrardow**. Founded by the Łubienski brothers as a textile factory in 1833. One of directors of the factory was French inventor Philippe de Girard (from Lourmarin). The town developed during the 19th century into a significant textile mill city in Poland. In honour of Girard, Ruda Guzowska was renamed to Żyrardów, a toponym derived of the polonised spelling of Girard's name. Philippe Henri de Girard was a French engineer and inventor of the first flax spinning frame in 1810, as well as the name-sake for the town of Żyrardów in Poland. He was also the uncredited inventor of food preservation using tin cans.

947. Whose suite was mistakenly, as it later transpired, completed by a third party in 2000? **Gustav Holst**. In 2000, the Hallé Orchestra commissioned the English composer Colin Matthews, an authority on Holst, to write a new eighth movement to [The Planets](#), which he called "Pluto, the Renewer". Dedicated to the late Imogen Holst, Gustav Holst's daughter, it was first performed in Manchester on 11 May 2000, with Kent Nagano conducting the Hallé Orchestra. Matthews also changed the ending of "Neptune" slightly so that movement would lead directly into "Pluto". On 24 August 2006, the International Astronomical Union (IAU) defined what it means to be a "planet" within the Solar System. This definition excluded Pluto as a planet and added it as a member of the new category "dwarf planet", along with Eris and Ceres

948. Which European suburb might be worth 885 Euros and why? **Spijkenisse**, Rotterdam. The bridges on the banknotes are all fictional but designer Robert Kalina has built them all there. Sum of Euro notes =885 Euros

Other Pictures

- Tree with eye. This indicates there is an [IR detector](#) that operates at 38Khz over 940nm hidden in a tree which needs a TV remote to send a signal to it in order for it to operate a circuit.

Dates - 04/05/1835 - 11/05/1835

HMS Beagle location - [Illapel, Chile](#) 31°38' S 71°10' W

Station – Twyford 51°28'31.49"N 0°51'47.68"W

Saxophone weather term – OVERCAST (8)

Semaphore Flags – Latitude

Location diagram – Observation of the Sun at midday 25/12/2015

Navigational instrument – [Backstaff / Davis Quadrant](#)

ATH Corp. logo music - Whitney Houston, "Run to You"

ATH Corp. logo morse - KEEP SUMMING

Questions

1225. Where did many drown thanks to a Countess? [Paisley Canal](#), where 85 people drowned on the canal ferry [Countess of Eglinton](#) in 1810

1226. Whose restless night allowed a subsequent watery victory? [Lord Nelson](#). The night before the Battle of Trafalgar, he asked every half-hour if the wind was changing direction. He and his fleet of British ships sailed in the direction of the wind and approached their enemy in two columns. They split the enemy fleet in the centre and at the rear. The enemy ships were crippled, as they were unable to see signals from their commanding flagship. Lord Nelson's focus on the rear ships forced the stronger Franco-Spanish ships in the battle frontline to turn back and support their colleagues in the rear. This took time and gave the British another competitive advantage. The calm, northwesterly wind made it difficult for the enemy to position themselves in the usual straight line of battle. The light wind meant that the slower, heavier, more powerful ships were not as effective in battle. If Lord Nelson had waited until the storm gale started, he would have lost his competitive advantage.

1227. He subsisted on a diet of free-range pork and died shortly before the beginnings of a panacea could be identified? [George Orwell](#) died of TB shortly before the dawn of the era of chemotherapy. Panacea = (Pan African Consortium for Evaluation of Antituberculosis Antibiotics) consortium in the Netherlands. "He would end his remarks, he said, by emphasising once again the friendly feelings that *subsisted*, and ought to *subsist*, between *Animal Farm* and its neighbours." (speech by Mr Pilkington from *Animal Farm*)

In politics, a diet is a formal deliberative assembly. The term is mainly used historically for the Imperial Diet, the general assembly of the Imperial Estates of the Holy Roman Empire, and for the legislative bodies of certain countries. Modern usage mainly relates to the Japanese Parliament, called "Diet" in English, or the German Bundestag, the Federal Diet. *Animal Farm* was broadly about animals running an Assembly (although, of course, some were more equal than others)

1228. What profiteth it a man if he hide his light - in a retrospective volume? [Emolument](#). Cryptic clue – LUMEN (light) hidden in reversed (retrospective) TOME (volume) = profit.

1229. Whose crash on "Boa" led to improved safety? [Thomas E. Lawrence](#) (of Arabia). He named his first motorbike "Boa" (short for Boanerges) and he died in a crash on his 8th bike George VII. He was not wearing a helmet and his death led to helmets becoming recommended or compulsory.

1230. Whose reception of a CQD resulted in a blue plaque in a Nottinghamshire village? [Harold Cottam](#). The young telegraphist on RMS *Carpathia* who picked up the Titanic's distress call, has been honoured with a plaque in Ship Inn in Lowdham, the [Nottinghamshire village](#) where he died. CQD = radio distress signal (sécu distress).

1231. What form of massage became a massive internet hit? [Bowen](#). The Bowen Technique is a remedial, hands-on therapy that is applied using very gentle pressure. [Brandon Bowen](#). A South Georgia teen who loves to make funny videos has become an international internet sensation,

1232. Whose alleged repeated letter writing ensured that he got another shot at gold? [Bob Monkhouse](#). At 18, Bob Monkhouse was desperate. And so, after writing endless letters and waiting in long audition queues, he decided a different tack. He had been serving in the RAF. As he knew that his Group Captain rarely read letters before signing them, he slyly slipped one of his own under his nose. Addressed to the BBC, it read: "I cannot be responsible for this man's mental balance if he doesn't get an audition." Bob presented *The Golden Shot* from 1967-1972 and then returned in 1974.



Lawrence of Arabia on a Brough Superior he called *George V*. Lawrence owned eight Broughs:
 1922: *Boa* (short for Boanerges)
 1923: *George I* (£150 was more than the price of a house)
 1924: *George II*
 1925: *George III*
 1926: *George IV*
 1927: *George V* (RK 4907; see photo)
 1929: *George VI* (UL 656)
 1932: *George VII* (GW 2275) (the bike he died riding)
 Undelivered: *George VIII* (still being built when Lawrence was killed).^[1]

Dates - 15/11/1835 - 21/11/1835

HMS Beagle location - [Matavai Bay, Tahiti](#) 17°36' S 149°19' W

Station – Wembley Central 51°33'7.28"N 0°17'46.46"W

Saxophone weather term – DRIZZLE (11)

Semaphore Flags – Longitude

Location diagram – Solar noon on 25/12/2015

Navigational instrument – [Celatone](#)

ATH Corp. logo music - The Monkeys, "I'm a Believer"

ATH Corp. logo morse - none

Questions

1420. Which television programme was originally intended to mock the Belgians and the Kuwaitis? **Drop The Dead Donkey** - Originally wanted to call it [Dead Belgians Don't Count](#), but Channel 4 got cold feet. I think they were worried about selling it to Belgium. Then, for a while, it was called Dead Kuwaitis Don't Count. Deciding against that was a lucky escape as, by complete chance, Saddam Hussein invaded Kuwait the first week it went out, in August 1990.

16/11/1835 skipped due to HMS Beagle crossing date line

1421. What is broken not far from 16°51'N 11°57'E? **Mirrors** - [UTA Flight 772 Memorial](#) made from broken mirrors [UTA Flight 772](#) was a scheduled flight operating from Brazzaville in the Republic of Congo to Paris CDG airport in France.

1422. Who was the first amateur to go where a Microsoft executive and a poker player would later follow? **Dennis Tito**, first space tourist. Microsoft office developer Charles Simonyi went later, then Canadian entrepreneur and poker player Guy Laliberte went to the ISS.

1423. Why have Cardiff, Stockport and possibly Doncaster nothing in common? **Platform Zero**. Both [Cardiff Central Station](#) and [Stockport](#) have one; [Doncaster](#) is to have one as part of an upgrade

1424. Whose "corpse" during the firemen's strike in 1978 provoked complaints from thousands of pet-lovers? **Reginald Bosanquet**. During the firemen's strike of 1978, the Army Green Goddess fire crew had taken over [emergency fire fighting](#) and on 14 January they were called out by an elderly lady in South London to retrieve her cat (Little Missie) which had become trapped up a tree. They arrived with impressive haste and soon discharged their duty. So grateful was the lady that she invited them all in for tea. Driving off later, with fond farewells completed, they ran over the cat and killed it. The ITV News at Ten cameras were following the crew. When Reginald Bosanquet read out the news story he ["corpse"](#) with [uncontrolled laughter](#) which resulted in thousands of complaining letters from cat lovers.

1425. Where did Elizabeth leap forward in late 2013, followed 12 weeks later by her sister Victoria? **Stepney Green Cavern**. Elizabeth and Victoria are Crossrail tunnelling machines. Elizabeth broke through on 6th November 2013, Victoria on 30th January



Other pictures

- Piano keys. These represent the 26 letters of the alphabet with the Y crossed out.
- [Galileo Galilei](#) saying "By Jove!". The celatone on the same page was a device invented by Galileo to observe Jupiter's moons with the purpose of finding longitude on Earth. Galileo also invented the thermometer (1593), 1597 compass (1597), telescope (1609), pendulum clock (1641). Jove is an alternate name to the Roman god Jupiter.

Dates - 21/12/1835 - 25/12/1835

HMS Beagle location - [Bay of Islands, New Zealand](#) 35°17' S 174°04' E

Station – [Virginia Water](#) (reversed picture) 51°24'5.07"N 0°33'44.17"W

Saxophone weather term – SLEET (18)

Semaphore Flags – Latitude

Location diagram – Observation of the Sun at midday 25/12/2015

Navigational instrument – [Sextant](#)

ATH Corp. logo music - Gordon Lightfoot, "Sundown"

ATH Corp. logo morse - <http://WWW.ACTONHOSPITAL.CO.UK>



Questions

1455. Which Swahili game was built into a great success? **Jenga** - swahili to build

1456. Who, after a brief flying career and two years out, became the star of a soap? **Ricky Tomlinson**. He was a "flying" picket and spent two years in jail before becoming a soap star in Channel 4's Brookside.

1457. Excluding the City of London, where inside the area covered by the Metropolitan Police is there an area where constables from another force wield power? **Kew Gardens** [Kew Constabulary](#), responsible for the Royal Botanic Gardens, have full police powers within the park. Although the Met Police still seem to have the final say about crimes.

1458. Who were united in 1987 then divided in 1996, before achieving comparative success? **Meerkats** - [Meerkats United](#) BBC Wildlife on One (1987) and Meerkats Divided were two documentaries narrated by David Attenborough. Now they appear in a series of adverts for "Compare The Market"

1459. Early in the last century, the loss of Sussex led to the death of musical pomegranate trees. What caused this? **Torpedo**. On 24 March 1916, SS Sussex was on a voyage from Folkestone to Dieppe when she was torpedoed by SM UB-29. One of the passengers killed was Enrique Granados Campiña, a Spanish pianist and composer of classical music. Granados is spanish for Pomegranate trees.

Although no US citizens were killed, the incident enraged public opinion in the United States, and caused a heated diplomatic exchange between the US and German governments. In May 1916, Germany issued a declaration, the so-called Sussex pledge:

Passenger ships would not be targeted;

Merchant ships would not be sunk until the presence of weapons had been established, if necessary by a search of the ship;

Merchant ships would not be sunk without provision for the safety of passengers and crew.

Other pictures

- Eyetest. **EVEN ATH HUNTERS WITH GOOD EYE SIGHT WILL NEED TO USE THE MAGNIFYING GLASS.**

To view critical parts of the hunt (eg pixels, QR codes), it was necessary to use either the Adobe Acrobat PDF reader zoom option, or the Windows magnifying glass.



Dates - 12/01/1836 - 18/01/1836

HMS Beagle location - [Sydney Cove, Australia](#) 33°53' S 117°151' E

Station – Watford Junction (reversed picture) 51°39'49.38"N 0°23'47.26"W

Saxophone weather term – HAIL (21)

Semaphore Flags – none

Location diagram – Observation of Polaris

Navigational instrument – [Octant](#)

ATH Corp. logo music – Bette Midler, "The Rose"

ATH Corp. logo morse - DISQUISITIONS

Questions

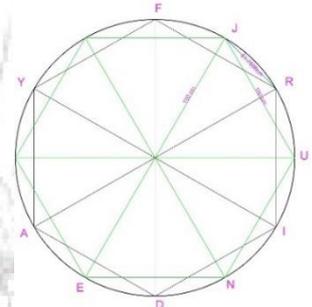
1477. Name the missing member of this group 9824, 9827, 9829, ...? **Diamonds** (9830) they are Unicode values for [suit symbols](#)

1478. Which serial's cancellation denied the public a deep truth until recently? **X Files** (The truth is out there. Deep throat. etc.). It was cancelled on May 19, 2002 after poor ratings. On March 24, 2015, it was confirmed the series would return as a six-episode miniseries with the return of series creator Chris Carter and lead actors David Duchovny and Gillian Anderson. It will premiere on January 24, 2016.

1479. Where might you be caught out by Plato? **TUTOR** (aka PLATO Author Language) is a programming language used on the PLATO system at the University of Illinois around 1965, PLATO (Programmed Logic for Automatic Teaching Operations) is a compiler that generates web forms that detect errors. When PLATO catches an error (eg incorrect use of the TUTOR language) execution is interrupted by a special error display. The abuse of its "External" command is the earliest example of a Denial of Service attack.

1480. A circular table of radius 100cm has 12 different letters placed equally at points around its circumference. You can spell out words by moving from one letter to any other, so long as the distance between the two letters is a whole number of cm. By starting at one letter you can spell out a day of the week; by starting at another you can spell a month. What are the day and the month? **Friday and June**

- Adjacent letters are 51.7638cm apart. Every 2nd letter is 100 cm apart. Opposite letters are 200 cm apart. No other letters are an even number of cm apart. So must either use same set of 6 (eg monday and may) or disjoint sets (Eg sunday and october)
- All days have D-A-Y in them and because no letter can be repeated then no month can contain these letters. Hence months cannot be jAnuArY, FebruArY, mArch, April, mAY, juLY, August
- No month can have more than 6 unique letters since only 6 letters can be accessed. Hence remaining months cannot be september (7) or november (7)
- OctOber and dEcEmbEr have repeating letters that are not opposite (200 cm).
- This leaves JUNE, therefore no day can contain J-U-N-E which counts out the following days: moNday, tUEsday, wEdNEsday, thUrSday, satUrday, SUNday leaving FRIDAY



1481. Who first suggested that we know a, b and c, but not x, y and z? **René Descartes**. He "invented the convention of representing unknowns in equations by x, y, and z, and knowns by a, b, and c".

1482. A sporting hero himself, he had three sons, of whom the eldest, named for him, died of appendicitis, aged only 30, the second might be said to have proved himself truly admirable and the youngest died at the crease after hitting a boundary to bring his side's total to 300 for 8. Who was he? **WG Grace**. first son, William Gilbert junior, died of appendicitis at age 30, his second son Henry Edgar became vice admiral in the Royal Navy, and his third son Charles Butler died while playing a match for the Weald Electricity Supply Company's crickert club which he founded. His team had scored 285 for 8 wickets and wanted 300 for a club record. Major Grace went in to bat and scored 11. He then drove a ball through the covers to the boundary for 4. He turned round and watched the boy put up the 300 on the board. Then he collapsed and died.

1483. Who found an experimental treasure whilst watching a little TV? **Gergely Barki**, a researcher at Hungary's national gallery in Budapest, noticed Sleeping Lady with Black Vase by Róbert Berény as he watched "Stuart Little" on television with his daughter Lola in 2009. Berény was part of the Avant-Garde movement. Avant-Garde = experimental.



Other Pictures

- The shape at the bottom looks like a sideways R. This could represent the shape of the windows in the carpark by Rickmansworth station or just stand for Rickmansworth. It could also represent the Watford railway arches.



Page 11

Dates - 05/02/1836 - 09/02/1836

HMS Beagle location - [Hobart Town \(Hobarton\), Tasmania](#) 42°50' S 147°17' E

Station – Waltham Cross 51°41'5.44"N 0° 1'35.64"W

Saxophone weather term – THUNDER (30)

Semaphore Flags – Longitude

Location diagram – Solar noon on 25/12/2015

Navigational instrument – [Marine chronometer](#)

ATH Corp. logo music - Richard Harris, "MacArthur Park"

ATH Corp. logo morse - ARITHMETICAE

Questions

1501. What hat accessory was a sign of the times at Ladysmith? **Tally** - aka [Cap Tally](#) or [Hatband Ribbon award](#) was given as an award for service in the 'Relief of Ladysmith' during the South African War.. 1899-1902 . [The Kings Own Royal Regiment Museum](#), Lancaster has pics. of two of them.

1502. Who of the following is the odd man out and why? Humphry Repton, Mao Tse-Tung, Ludwig Wittgenstein, Andrew Lang. **Ludwig Wittenstein**. Produced [Blue and Brown Books](#). All the others produced Red Books.

- [Humphry Repton](#): [Red Books](#),
- [Mao Tse-Tung](#): [Quotations from Chairman Mao](#),
- [Andrew Lang](#): [Fairy Books](#)

1503. SOS in a single word? **Naughtinesses** (Nought in esses)

1504. Which day had a halcyon pseudonym? **D-Day**. The names of Second World War D-Day operations were changed almost three weeks before invasion. Officers ordered D-Day and Overlord to be renamed [Halcyon and Hornpipe](#) as it was feared the original top secret codenames had been compromised. The new names were discovered in never-before-seen documents by Richard Wheeler, son of army officer Sam Wheeler when clearing his parents' home. He then showed them to an expert on Antiques Roadshow.

1505. The inability of the daughter of which poet to pronounce her 'r's led to the invention/popularisation by another author of what is now a common girl's name? **WE Henley**. Margaret Emma Henley was the daughter of William Ernest Henley and his wife Anna Henley. Margaret's friendship with J. M. Barrie, whom she called "fwendy" (i.e., "friendly"), was the inspiration for the character Wendy Darling in Barrie's play Peter Pan; or, "The Boy Who Wouldn't Grow Up" (1904) and its novelisation Peter and Wendy.





Page 12

Dates - 29/04/1836 - 02/05/1836

HMS Beagle location - [Port Louis, Mauritius](#) 20°10' S 57°30' E

Station - [Vauxhall](#) 51°29'10.28"N 51°29'10.28"N

Saxophone weather term - LIGHT RAIN (12)

Semaphore Flags - Longitude

Location diagram - Solar noon on 25/12/2015

Navigational instrument - [Deep Space Atomic clock](#)

ATH Corp. logo music - Free, "All Right Now"

ATH Corp. logo morse - none

Questions

1585. Which book did a Fellow of the Royal Geographical Society write because a friend had accused him of being the most British person he knew? **Britty Britty Bang Bang** by Hugh Dennis. Ardal O'Hanlon called him the "**most British person**" he had ever met. And he is a **member of the RGS**.

1586. Whose animal passions began with Peggy and Susan? **Queen Elizabeth**. Elizabeth was given her first horse, a Shetland pony named Peggy, at age 4 and her first Corgi, Susan as a gift on her 18th birthday.

1587. Who moved in 2001 from central London to the supposed site of his most famous gallantry? **Walter Raleigh**'s statue was originally placed in front of the National Gallery, but as oter satue arrived its relative lack of height became a problem so the statue was moved to a site in Greenwich and unveiled on 20 December 2001.

1588. What is red because chocolate brown was too expensive? **Pillar Box**. Early boxes were green so as not to appear too obtrusive in the landscape. So effective was this that complaints were received by people having difficulty finding them. The Post Office investigated alternative colours and initially settled on chocolate brown, this required an extra coat of varnish however so proved more expensive than an alternative suggestion of bright red.

Other Pictures

- This page also has a music link to "Hot Coffee" by La Serena on the cup and saucer, and "Brown Sugar" by the Rolling Stones on the black spot in the centre of the explosion. Brown Sugar is the name of the café where David Kee ordered a hot coffee. During the voyage of the Beagle, FitzRoy lost his temper and banned Darwin from his company. The officers had nicknamed such outbursts "hot coffee"



- In *The Hitchhiker's Guide to the Universe*, Fenchurch was the girl who is troubled by an experience she had once in a cafe in Rickmansworth, which made her think the Earth was being ripped apart. To Arthur Dent it sounds suspiciously like the day the Vogon Constructor Fleet blew up his home planet and exiled him to bootless wandering about the Galaxy.

She was named after the Fenchurch Street railway station where she was conceived in the ticket queue. On a Thursday in this cafe, Fenchurch realised how the world could be perfect. Adams revealed in an interview that it was really the ticket queues at Paddington Station that made him think of conceiving a character there, but chose Fenchurch as a name, instead, to avoid complications with Paddington Bear.

- Until 2010, an annual "Victorian Evening" was held in the town centre in November, but in 2011 it changed to a "Starlight Evening" inspired by the reference to Rickmansworth in the first page of *The Hitchhiker's Guide to the Galaxy* by Douglas Adams.

"And then, one Thursday, nearly two thousand years after one man had been nailed to a tree for saying how great it would be to be nice to people for a change, a girl sitting on her own in a small cafe in Rickmansworth suddenly realized what it was that had been going wrong all this time, and she finally knew how the world could be made a good and happy place. This time it was right, it would work, and no one would have to get nailed to anything. Sadly, however, before she could get to a phone to tell anyone about it, a terrible stupid catastrophe occurred, and the idea was lost for ever."



Dates - 31/5/1836 - 08/06/1836

HMS Beagle location - [Simon's Bay, Cape Town, South Africa](#) 33°55' S 18°27' E

Station - Ruislip 51°34'17.54"N 0°25'16.87"W

Saxophone weather term – HEAVY RAIN (15)

Semaphore Flags – Speed 33 Knots, Distance 0 nautical miles

Location diagram – Satellite Navigation (TomTom GPS)

Navigational instrument – TomTom Sat Nav showing 38mph (33 knots) and 1 minute to reach Ruislip station. The fly indicates taking a flight on Google Earth.

ATH Corp. logo music - Led Zeppelin, "Stairway to Heaven"

ATH Corp. logo morse - none

Questions

1617. Which doctor once appeared on Q? [John Francis Bongiovi](#). On 21 May 2015, Jon Bon Jovi received an [honorary doctor of letters degree](#) from Rutgers-Camden for his musical accomplishments, as well as his work as a philanthropist. He appeared on the cover of the [Feb 1995 Q magazine](#).

1618. Abroad they were tigers, sharks and lions, but what were they called in the UK? [Dragons Den](#). The show originated in Japan as Money Tigers or Tigers of Money, a pun on "Tiger of Malaya", the nickname of WWII general Tomoyuki Yamashita). Local versions of the show have been produced in nearly 30 countries. The show has also been titled Shark Tank, Lions' Den, and other variations.

1619. What was the first name of the girl from Asch who lost out at the carnival to the bright lady who wasn't quite tender-hearted? [Ernestine](#). [Carnaval, Op. 9](#), is a work by Robert Schumann for piano solo, written in 1834–1835, and subtitled Scènes mignonnes sur quatre notes (Little Scenes on Four Notes). It consists of 21 short pieces representing masked revellers at Carnival, a festival before Lent. Schumann gives musical expression to himself, his friends and colleagues, and characters from improvised Italian comedy (commedia dell'arte). The four notes are encoded puzzles, and Schumann predicted that "deciphering my masked ball will be a real game for you." The 21 pieces are connected by a recurring motif. In each section of Carnival there appears one or both of two series of musical notes. These are musical cryptograms, as follows:

A, E-flat, C, B – signified in German as A-S-C-H

A-flat, C, B – signified in German as As-C-H

E-flat, C, B, A – signified in German as S-C-H-A.

The first two spell the German name for the town of Asch (now Aš in the Czech Republic), in which Schumann's then fiancée, Ernestine von Fricken, was born. The sequence of letters also appears in the German word Fasching, meaning carnival. In addition, Asch is German for "Ash," as in Ash Wednesday, the first day of Lent. Lastly, it encodes a version of the composer's name, Robert Alexander Schumann. The third series, S-C-H-A, encodes the composer's name again with the musical letters appearing in Schumann, in their correct order.

Schumann wove his two love interests Ernestine and Clara Wieck into the opera as Estrella and Chiarina (bright). He eventually married Clara. The tempo of Chiarina is *Passionato*. Chi means tender-hearted.

1620. Who helped a PC organization become symbolic in 2015? [Will Chiu](#) designed a [new symbol](#) to replace Ordnance Survey's "PC" to denote toilet. The One Show hosted the competition.



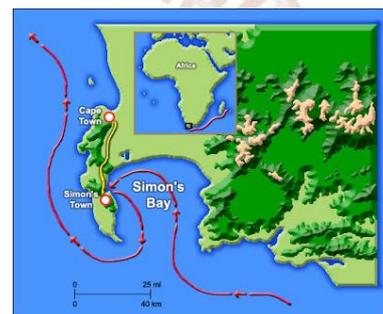
1621. What, in other words, is Margaret's mum? The English might see it as a wee Scottish plot.

[Nacre](#). [Margaret](#) means pearl and mother of pearl is [nacre](#). A [Scottish acre](#) is a wee nacre

1622. Which British footballer's career was ended by a crash, having won several League titles, the FA Cup, the League Cup, the UEFA Cup, the European Cup and the Cup Winners Cup? [Roy Race](#) (Roy of the Rovers) Career ended when foot amputated after helicopter crash.

1623. Whose saucy product was X-rated in 2014? [Heinz](#). A man used a QR code on the back of a Heinz Ketchup bottle to enter its online label design contest in Germany. Turns out, the [Heinz website](#) had expired and a porn site had taken its place.

1624. Max invented this in 1957? [Helvetica](#) font. Helvetica is a widely used sans-serif typeface developed in 1957 by Swiss typeface designer Max Miedinger with input from Eduard Hoffmann. This question is an image written in that font.



Front Cover

Observations

The TV remote blocks, saxophone music, flowers and tree garlands all look as if they should tell us something

Tree garlands

- Seem to be two strings; the top one hanging down behind two left branches and one right branch.
- The only thing that varies is the number of long beads between each double set of small ones. I think this must be the code, or at least they might be numbers. Not morse code based on the single small beads being dots and the pairs being dashes
- possibly remote control codes - there are red green yellow and blue buttons on a remote control.
- It could be a [colour cipher](#)

Eyes

- The three eyes are looking towards the location where the treasure is buried

Flowers

- The flowerheads appear to be significant - 4,3,3,2,1
- The red/orange colour of the flowers is reversed on some flowers
- They look like the u/d/l/r enter/select part of a remote control.
- Could give a more precise location within Croxleyhall Wood
approx OS grid ref TQ 07096 94827 GPS coords: N51° 38.523' W0° 27.222' or N51°38'31.37"
W0°27'13.33"W

Leaves

- The leaves are the Logica Ls, some still on the tree.
- There are 7 hidden on the tree. Possibly it represents the tree holding the box with the IR receiver

Saxophone

- Saxophone theme maybe because it is a woodwind instrument and the wind connects to weather.
- There's a band called "[The Remote Viewers](#)" who play saxophones.

"Lego" blocks

- These represent remote control units

Music

- Moai Head - Beethoven, "Piano Sonata No.14 C sharp minor, opus 27, Moonlight Sonata"
- Saxophone – unidentified. The same flurry plays from the treasure chest.

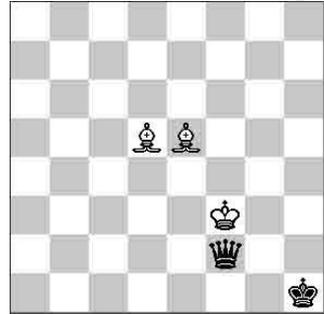


Pink Questions

The QR code in the Wordsearch on Page 4 reads: **Pink is the new red. Although they are not so much fish as amuse-bouches.** An **amuse-bouche** is a type of appetizer, literally “mouth amuser”.

1. A dog stops outside a hotel and makes one man rich and another poor. Explain. **Playing Monopoly.** The dog is one of the playing pieces which stops on a property square developed with a hotel, so the dog’s player has to pay the hotel’s owner an appropriate fee.

2. Replace the kings on the board such that white has a one move mate?
White King takes Black Queen



3. You are in a basement. There are three switches on the wall, two of which are useless; one is connected to a light bulb in the attic. You fiddle with the switches before going to the attic where you are able to determine which switch is working. How?

- 1) Switch A On
- 2) Switch B On for a few seconds then Off
- 3) Switch C Off

If light is on then Switch A works
If light is off and warm then Switch B works
If light is off and cold then Switch C works because neither of the others do

4. Simon and Anthony wanted to know the date Dave finished this ATH. Dave gave them the following possible dates: May 15, May 16, May 19, June 17, June 18, July 14, July 16, August 14, August 15, August 17
Dave told Simon and Anthony separately the month and the day of the date respectively.

Simon: I don’t know the date but I know that Anthony does not know too.

Anthony: At first I didn’t know the date but I know now.

Simon: Then I also know the date.

So when did Dave finish this ATH? **July 16**

Logic:

- Anthony doesn’t know month - therefore day not 18 or 19 as they are unique
- Simon knows Anthony doesn’t know month – therefore not May or June as if Anthony had 18 or 19 he would know month.
- Hence must be July or August (i.e. July 14 / 16, August 14 / 15 / 17)
- Anthony now knows month – therefore day not 14 as it could be July or August (i.e. July 16, Aug 15 / 17)
- Simon now knows – therefore not August as he wouldn’t know whether day was 15 or 17.
- Therefore he must have been told July, therefore 16

5. What number is obscured by the car? **87** (numbers are sequential, read by inverting the image, ie from the driver’s view as he/she parks. From the printed orientation it would look like L8.



Puzzles

No. 1 Train Stops

This is a Sudoku puzzle with the solution:

The embedded QR code is an 81-letter string:
 OGDNDIHTWTOFKAHCECBSTFEUSOAPEMESNINWOSBAT
 IERTETLLSCAEOCNOSAUYMAFTOHCNARESITIVEIST

Writing this across the squares of the solution and then reading each row in numerical order gives the message:

DIG DOWN THE BACK OF THE SOFAS PUT IN SOME NEW BATTERIES COLLECT AS MANY AS YOU CAN FOR THE SITE VISIT

This is an instruction to take TV remote controls (which often end up down a sofa) to the treasure site.

5	3	1	7	4	2	9	8	6
8	6	7	5	3	9	1	4	2
2	9	4	1	8	6	3	5	7
6	5	8	3	2	1	7	9	4
9	1	2	4	7	5	6	3	8
7	4	3	9	6	8	5	2	1
3	8	6	2	9	7	4	1	5
4	7	5	8	1	3	2	6	9
1	2	9	6	5	4	8	7	3

5O	3G	1D	7N	4D	2I	9H	8T	6W
8T	6O	7F	5K	3A	9H	1E	4C	2B
2S	9T	4F	1E	8U	6S	3O	5A	7P
6E	5M	8E	3S	2N	1I	7N	9W	4O
9S	1B	2A	4T	7I	5E	6R	3T	8E
7T	4L	3L	9S	6C	8A	5E	2O	1C
3N	8O	6S	2A	9U	7Y	4Y	1M	5A
4F	7T	5O	8H	1C	3N	2A	6R	9E
1S	2I	9T	6I	5V	4E	8I	7S	3T

No 2. Moul

This is a Sudoku puzzle with the solution:

The embedded QR code is an 81-letter string:
 QDUHIROCKOZCCBMSXNZGWRDDJHAWZNSFIZKJFMQZ
 LPMGGLNNHMXNSBXDIJKGHDGBIHKKCJCJEKOHJBMW

Writing this across the squares of the solution and then Caesar shifting forward each letter by the associated number (remembering there is no Y) gives the message:

THE POSTER THE LETTER AND THIS PDF ARE ALL IMPORTANT TO IOUR QUEST KEEP LOOKING LISTENING SUMMING

This is another clue to the method of finding the Great Circle instruction. The Y has been changed to I (no Y)

3	4	9	8	6	1	5	2	7
5	8	2	9	3	7	1	6	4
1	7	6	2	4	5	9	8	3
8	1	4	5	7	6	3	9	2
6	9	5	3	1	2	4	7	8
2	3	7	4	9	8	6	5	1
9	6	1	7	2	4	8	3	5
7	5	3	1	8	9	2	4	6
4	2	8	6	5	3	7	1	9

3Q	4D	9U	8H	6I	1R	5O	2C	7K
5O	8Z	2C	9C	3B	7M	1S	6X	4N
1Z	7G	6W	2R	4D	5D	9J	8H	3A
8W	1Z	4N	5Z	7S	6F	3I	9Z	2K
6J	9F	5M	3Q	1Z	2L	4P	7M	8G
2G	3L	7N	4N	9H	8M	6X	5N	1S
9B	6X	1D	7I	2J	4K	8G	3H	5D
7G	5B	3I	1H	8K	9K	2C	4J	6C
4J	2E	8K	6O	5H	3J	7B	1M	9W

No 3

This is a KenKen puzzle with the solution:

The embedded QR code reads:

EGRGSNESAOTNSSEI

Writing this across the squares of the solution and then reading each column in numerical order gives the message:

16x		7+	
2	4	1	3
2-1	2	3	
3	12x	2÷	2
	1	4	
4	3	2÷	1
		2	

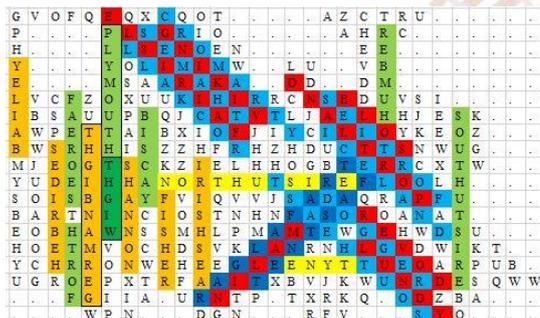
2E	4G	1R	3G
1S	2N	3E	4S
3A	1O	4T	2N
4S	3S	2E	1I

SEASONS GREETINGS



Word Search

This is in the shape of a locomotive and contains the region names of all the British Isles sea areas used in the shipping forecasts except Fitzroy which was named after Admiral FitzRoy. Robert FitzRoy was commander of the HMS Beagle and the first professional weatherman.



Bailey
Biscay
Cromarty
Dogger
Dover
Faeroes
Fair Isle

Fastnet
Fisher
FitzRoy
Forth
Forties
German Bight
Hebrides

Humber
Irish Sea
Lundy
Malin
North Utsire
Plymouth
Portland

Rockall
Shannon
Sole
South Utsire
Southeast
Iceland

Thames
Trafalgar
Tyne
Viking
Wight

History

In October 1859, the steam clipper Royal Charter wrecked in a strong storm off Anglesey; 450 people lost their lives. Due to this loss, [Vice-Admiral Robert FitzRoy](#) introduced a warning service for shipping in February 1861, using telegraph communications, which he called by a new name of his own invention: "[forecasts](#)". In 1854 he established what would later be called the Met Office, and created systems to get weather information to sailors and fishermen for their safety. This remained the United Kingdom's Met Office primary responsibility for some time afterwards. In 1911, the Met Office had begun issuing marine weather forecasts which included gale and storm warnings via radio transmission for areas around Great Britain. This service was discontinued during and following World War I, between 1914 and June 1921, and again during World War II between 1939 and 1945.

His department, which began with a staff of three, now employs more than 1,500 people and has an annual budget of more than £80m. Perhaps the most fitting tribute came in 2002 when one of the BBC's iconic shipping forecast regions was renamed from Finisterre to FitzRoy in his honour.

30th April 2015 was the 150th anniversary of his death.

Disquisitiones Arithmeticae

This is a [textbook of number theory](#) written in Latin by Carl Friedrich Gauss in 1798 when Gauss was 21 and first published in 1801 when he was 24. In this book Gauss brings together results in number theory obtained by mathematicians such as Fermat, Euler, Lagrange and Legendre and adds important new results of his own.

The book is divided into seven sections, which are:

- Section I. Congruent Numbers in General
- Section II. Congruences of the First Degree
- Section III. Residues of Powers
- Section IV. Congruences of the Second Degree
- Section V. Forms and Indeterminate Equations of the Second Degree
- Section VI. Various Applications of the Preceding Discussions
- Section VII. Equations Defining Sections of a Circle.

Sections I and VII are particularly relevant to the hunt as they cover modular arithmetic and circles.

QR Codes

Page 1 (cover):

ITISWORTHUSINGTHEFIRSTSIGNIFICANTLETTEROFTHEANSWERTO EACHQUESTIONEGSURNAME (on eye)
SAOQZCPULQRITUMLQUQDIPDEDTGSSEPXDRIAAZKGLAIJSWQADDFKEIKCPQLIRUBZQECCSMVZR (on
trowel)

THEPOSTERTHELETTERANDTHETHIRTEENSHEETSINDICATEITISWORTHROLLINGTHELIFEBOATS (on L)
COUNTTHEDAISCOUNTALLTHEQUESTIONSTHEEVOLVINGJOURNEIOFPHILOSANDTHEWEATHERMAN (on
flower)

All four of these have 74 letters, the same as the number of numbered questions.

"Philos" is Darwin and the "weatherman" is Captain Robert Fitzroy, and their "evolving journey" is the second voyage of The Beagle.

From [Wikipedia](#): "Darwin had a special position as guest and social equal of the captain, so junior officers called him "sir" until the captain dubbed Darwin Philos for "ship's philosopher", and this became his suitably respectful nickname".

Francis Beaufort trained FitzRoy:

"Beaufort (after whom the scale of wind speed is named) trained Robert FitzRoy, who was put in temporary command of the survey ship HMS Beagle after her previous captain committed suicide. When FitzRoy was reappointed as Commander for what became the famous second voyage of the Beagle, he requested of Beaufort "that a well-educated and scientific gentleman be sought" as a companion on the voyage. Beaufort's enquiries led to an invitation to Charles Darwin, who later drew on his discoveries in formulating the theory of evolution he presented in his book The Origin of Species."

"Worth rolling the lifeboats" is a cryptic clue to Rickmansworth (**Rick**rolling, **man** the lifeboats, **worth**)

Page 4: Pink is the new red. Although they are not so much fish as amuse-bouches. (Wordsearch)

Page 5: OGDNDIHTWTOFKAHECBSTFEUSOAPEMESNINWOSBATIERTETLLSCAEOCNOSAUYYMAFTOHCNARESITIVEIST
(Sudoku)

Tree - MODEL 1213/1

The associated image is from a [Pinhole Camera](#) (box camera) article. We guess that Model 1213/1 is either a type of camera or the IR receptor used at the site, but cannot confirm either. The diagram broadly represents the location of the treasure chest in relation to the tree/

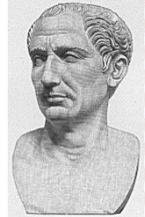
Page 7 QDUHIROCKOZCCBMSXNZGWRDDJHAWZNSFIZKJFMQZLPMGGLNNHMXNSBXDIJKGHDGGBIHKKJCJJEKOHJBMW
(Sudoku)

Page 10 EGRGSNES AOTNSSEI (KenKen)



Consultant's Letter

- The letter is based on a genuine letter from from the dermatology department at Chelsea addressed to David Kee. There is also some feint reversed writing which is from the same letter and not relevant to the hunt. The doctors signature was the same, but his name is different.
- Original Address: Chelsea and Westminster Healthcare, Chelsea and Westminster Hospital, 369, Fulham Road, London, SW10 9NH Tel 020 8746 8000
- The letter is addressed to Past Setters, so that past hunts (since 2006) are important
- The hospital site www.actonhospital.co.uk says "We have a problem The Acton Hospital web site is currently out of action come back in 2016"
- NHS Logo Morse: Keep Looking
- NHS Logo Morse: <http://www.goo.gl/3c4om5> (Rickrolling link)
- KLQ-EBOB: Caesar shift +3 = NOT-HERE (there is a picture of Julius Caesar alongside)
- The PDF name is Poster23flattened. Flattening is a standard PDF process, but could also refer to a flattened earth. The title is "Consultant Letter 13".
- EMM stands for Electronic Mail Message which is required to obtain one of the messages.
- ATH Corp are an offshoot of the 'Puzzle Palace Group'. The [Puzzle Palace](#) is a book written by James Bamford and published in 1982. It is the first major, popular work devoted entirely to the history and workings of the [National Security Agency](#), a United States intelligence organization. The title refers to a nickname for the NSA, which is headquartered in Fort Meade, Maryland. In addition to describing the role of the NSA and explaining how it was organized, the book exposed details of a massive eavesdropping operation called Operation Shamrock. According to security expert Bruce Schneier the book was popular within the NSA itself, because "the agency's secrecy prevents its employees from knowing much about their own history".
- A clone of the NSA site is linked from the morse code found on the Page 2 morse code.
- The letter came out at midnight, but the main hunt didn't come out until noon. At midnight, it would have been only crossing the International Date Line (12 hours behind). This is another link to the voyage of the Beagle and it's crossing of the IDL reducing it's duration to 1741 days.



[Acton Hospital](#) closed in 2001. It is now Acton Care Centre.

An email sent to GHF@actonhospital.co.uk received the automatic reply:

I am not contactable by email at weekends. Please try again during normal office hours.

Dr G.H. Frunt
Consultant Psychiatrist
Acton Hospital

A second one resulted in:

I am out of the office until the New Year. if your enquiry is urgent can I recommend the Samaritans.

A third one (following the discovery of a second postcard):

I am afraid that David is one of his non-responsive states at the moment so he can be of no help and I cannot help you with Dr Hindsight as there is no one of that name on the medical staff of Acton Hospital.

A call to Dr Frunt's mobile resulted in an unknown person answering, so the call was terminated. Could have been a "cold Frunt"!

Ringling the telephone 020 3239 1831 obtains a recorded message says email extnnnn@actonhospital.co.uk with name in subject line.

Messages from Dr. Frunt

4 David briefly came out of his non-responsive state today to tell me that 65 is a question and not a statement, whatever that means. There should have been a question-mark at the end of the question.

5 I thought you would like to know that the enthusiasm shown by ATHERs has roused David from his non-responsive state. However, his utterances are increasingly Delphic, eg "glzt8a is the new s4bti3". Shortened url goo.gl/glzt8a linked to a video about testing a TV remote using your mobile phone, but this site disappeared, so the setter created a new link goo.gl/s4bti3 to alternate video "Use Your Smartphone to Check for Dead Remote Batteries [How-to]"

7 Another Delphic utterance from David, "The snake is a mistake for the 201st prime, the next King George is more suitable". TE Lawrence's motorcycle crash was on a bike named King George VII not Boa

Hospital Emails

Ringling the hospital number 020 3239 1831 gets through to a recorded message saying the switchboard is out of action and asking for enquiries to be emailed to extnnnn@actonhospital.co.uk where nnnn is the extension number. The subject line should contain the name. Replies should be received within 10 minutes.

Using the Secretaries, Appointments and Fax numbers on Consultant's letter gets the reply:

The response from extension 9563 is - <https://www.youtube.com/watch?v=dQw4w9WgXcQ&autoplay=1> which is the Rick Astley video.

Also:

You are welcome to email Acton Hospital as many times as you wish. At 8am each day we allocate resources to process 20,100 emails. Any emails received after the first 20,100 batch of the day we discard and they will not receive a reply. Your email is important to us, it has worth, but we do not have unlimited resources. We apologise for any inconvenience this may cause.

Using the question numbers as the nnnn extensions generates a reply from the switchboard.

Many thanks for your enquiry.

The response from extension 0064 is - C

You are welcome to email Acton Hospital as many times as you wish. At 8am each day we allocate resources to process 20,100 emails. Any emails received after the first 20,100 batch of the day we discard and they will not receive a reply. Your email is important to us, it has worth, but we do not have unlimited resources. We apologise for any inconvenience this may cause.

The complete sequence of letters reads:

CONGRATULATIONS IOU ARE CIRCLING IN ON THE SOLUTION KEEP LOOKING LISTENING AND SUMMING

The circumference of a great circle of the Earth (about 40,000 km or 25,000 mi or 22,000 nmi) is often compared to large distances. For example, one might say that a large number of objects laid end-to-end at the equator "would circle the Earth four and a half times".

The definitions of both the nautical mile and the kilometre were originally derived from the Earth's circumference as measured through the poles. The nautical mile was defined as a minute of arc of latitude measured along any meridian. A circle has 360 degrees, and each degree is 60 minutes, so the nautical mile was defined as 1/21,600 of the Earth's circumference, or about 1,852.22 metres. However, by international agreement, it is now defined to be exactly 1,852 metres (6,076 ft).

The kilometre was originally defined as 1/10,000 of the distance from a pole to the equator, or as 1/40,000 of the Earth's circumference as measured through the poles. This definition would make the kilometre's length approximately 1,000.197 metres, whereas it is exactly 1,000 metres (3,280.84 ft).

Pixels

On Page 7 there is a picture of the navigator Christopher Columbus saying in Italian “si dovrebbe vedere la mia ultima immagine” which translate as "You should see my last picture". Nobody has found an authentic contemporary portrait of Christopher Columbus. Over the years there have been many portraits that reconstruct his appearance from written descriptions.

Chris Columbus is an American filmmaker whose last completed film in 2015 was “Pixels”.

On the front cover there is a double row of grey pixel/squares in the bottom right corner and '+1' written underneath. The top row has 12 and the bottom 13. This is possibly another clue to only using 25 letters of the alphabet.



Questions 1585 to 1620 contain a white pixel in certain letters (27 in all). The letters preceding these marked letters (clued by the +1 on the front cover) spell **Sum 6 codes mod n p1 phone ansWers** (sum six codes modulo n: page1, phone, answers)

1585. Which book did a Fellow of the Royal Geographical Society write because a friend had accused him of being the most British person he knew?

1586. Whose animal passions began with Peggy and Susan?

1587. Who moved in 2001 from central London to the supposed site of his most famous gallantry?

1588. What is red because chocolate brown was too expensive?

1617. Which doctor once appeared on Q?

1618. Abroad they were tigers, sharks and lions, but what were they called in the UK?

1619. What was the first name of the girl from Asch who lost out at the carnival to the bright lady who wasn't quite tender-hearted?

1620. Who helped a PC organization become symbolic in 2015?

Computations involving the modulus to determine remainders are called “[Modular Arithmetic](#)”. It was first studied by the German Mathematician Karl Friedrich Gauss (1777-1855) in 1801. You may have heard this anecdote about Gauss when he went to school: His Mathematics teacher tried to keep the bored genius busy, so he asked him to add up the first 100 integers hoping that he would keep him quiet for a little while.

However, young Karl promptly responded “5050 and the formula for the sum of the first n integers is $n*(n+1)/2$ ”. **Do you know why?** (or in our case Y)

Gauss realised that the numbers could be summed in 50 pairs of equal value:

$$1 + 100 = 101$$

$$2 + 99 = 101$$

$$3 + 98 = 101$$

.

$$50 + 51 = 101$$

therefore the sum of 1 to 100 is simply $50 * 101 = 5,050$

The formula is generalised as follows:

The sum of numbers (1 to n) = $[1+n] + [2+(n-1)] + [3+(n-2)] \dots + [n/2+(n/2+1)]$

eg $1-4 = (1+4) + (2+3) = 2*5 = 2*(4+1) = 10$

Hence there are $n/2$ pairs of numbers that add up to $n+1$ ie $n/2 * (n+1) = (n*(n+1))/2$

Sunday, 20th December 2015 (cloudy):

Annika's friend takes a photo of the postcard in the newsagent's window for us.

Tuesday, 29th December 2015 (sunny):

After listening to the "Bugged Sound File" we had quickly worked out that David's postcard must be in the newsagent directly next to the Brown Sugar deli café in Rickmansworth. Luckily one of our team members had a friend local to the area, and she had got her boyfriend to take a picture of the newsagent's window for us. We had spotted the familiar Moai on yellow background, but the message "Keep Looking" had not helped us very much. A few days later, however, we had managed to get the instructions from summing up the 6 codes and plotted the great circles on Google Earth. That had given us Croxley Hall Woods, east of Rickmansworth, as the general area to search in.

So on a sunny morning, after all the Christmas distractions were over, two of us drove to Rickmansworth and parked at the southern end of Croxley Hall Woods. We brought a selection of remote controls and spare batteries, and started exploring the woodland, looking for a tree that looked similar to the one on the front page of the hunt. And we kept pressing our remote controls and listening for the saxophone tune. But at that point we were not sure where the tune would come from, and where exactly the receiver for the remote signal would be located. We walked around the perimeter of the woodland, then criss-crossed through the middle a few times and even checked on the other side of the railway line. But we did not find anything. We expected the tree to be a beech, because of the smooth grey bark on the picture. There were not that many beech trees in the area where the great circles crossed, though. And our plotting of the circles wasn't too exact, anyway. We did one more zig zag through the part of the woodland that seemed most likely as the location from our great circles, but then ran out of time and had to head back home (especially as we saw a massive traffic jam on the M25 on the way.....). While following a small path back towards the car, we spotted a big beech tree that had a bird box strapped to it. We joked and said that this is the right tree, even pointed our remote controls at it, but it didn't look like the tree on the front page, and we could not hear a sound (nor see the yellow lights, because it was sunny and we were looking towards the sun and from the side of the box.....). So we returned empty handed that day. But at least we had a better idea of what the woodland looked like.

Thursday, 31st December 2015 (cloudy):

I decided to take my dog for a walk to Croxley Hall Woods to explore the area following clues which pin pointed this area as the treasure location.

We entered the wood from the entrance by Harvey Road and headed along one of two circular walks looking for an old beech tree that was mentioned on a map of the woods provided on the hearts link.org website. Believing the ancient beech tree was one of the trees on the front page.

After talking with a local dog walker, exchanging pleasantries, we found the old tree and tried to match surrounding trees to match the front page looking for trunks with eyes in them and possibly logical L signs that traditionally confirm the spot.

Gave up on this location and expanded the search and found another old tree. Funny that in an old wood. This tree had a large L shaped concrete wall foundation with a post sticking out of it and a rusty old spade. Jumped to conclusions that this was treasure hunt related but nothing found but wet leaves and lots of mud.

Then we doubled back crossing over the bridge to cross the railway line so we could explore the other side of the woods which as it turned out was the right area where the bird / bat box was found. But we did not find it until other members of the team returned the next day. As I walked along a path with a safety fence between the wood and railway lines I thought I saw a bird box but did not cross my mind to investigate it, for some reason I thought it might be for bats and decided to keep away as the map mentioned bats live there.



We left the woods and decided to head home (when I say we I mean the dog and I decided to go home). But

before leaving the area we went back to the newsagent and found a second QRcode card had been put in the shop window.

The QR reader link read the following:

Dr Bruce Hindsight wishes all colleagues and patients a very merry Christmas.

We thought this was a clue to UV light via deer which can detect it and Dr Bruce “Incredible Hulk” Banner and checked for any on either postcard. This inadvertently helped us look for a bat connection. And to use IR with a remote controller. However, this appears to be a Red Herring as Bruce Hindsight was the team that won the 2014 Hunt. We presume they placed the card when they visited in between our visits. Either way we were better prepared the next day and successfully found token 2.



Friday, 1st January 2016 (cloudy):

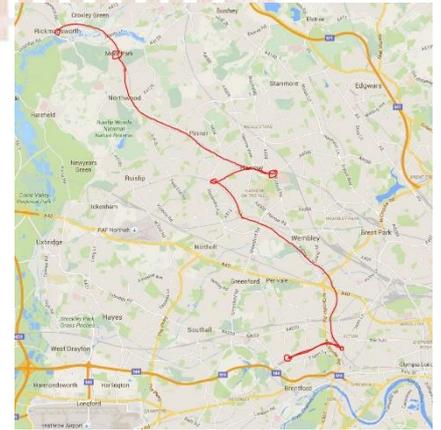
We had now plotted the great circles as precisely as possible and the most likely location was still in the same part of the woodland that we had searched before. This time we were a team of 6 remote controllers. We parked in Rickmansworth and walked along the muddy disused railway line, the Ebury Way, and then climbed up the hill to Croxley Hall Woods. It didn't take long until we came across the big beech that we had noticed during our first visit, and we gave it another check over. It was a cold and cloudy day, and we suddenly noticed the little yellow lights on the front of the bird box. We weren't sure if our remote controls had switched them on, but then we saw the eye which had been drawn onto the box, and that was the confirmer we



needed. The yellow lights went out again after a while, so we pressed our remote and yes, it switched on the lights. But where was the music we had expected to hear? There was no sound coming from the box, and we couldn't see any other eyes, nor any box at the base of the tree. So we decided to increase the search radius. The bird box and the eye on it were facing east, so we followed that “line of sight”, and about 10 steps from the tree, in a little clearing between small trees, we finally heard the familiar saxophone tune. But where was it coming from? It was very difficult to place. It almost seemed to come from the direction of the tree, but we knew that it couldn't be heard there. Or did we activate another receiver with our remotes? After twisting and turning our heads for a while, we realised that the music was coming from below our feet. We started digging and soon discovered a wooden box. The music was now much louder, and increased in volume even more once we had carefully lifted the lid of the box. We were worried the music might attract any other treasure hunters that might be in the area, but we didn't know how to switch it off. After a while it stopped automatically, though.

The treasure chest and all the technology were attached to the lid of the box, and inside the treasure chest we found a lot of international coins and a small bag with a letter and the tickets. We had placed bets at which ticket we would find, and number 4 was what we had hoped and expected.....but we were very happy to see that we actually got ticket number 2! Our young team members chose a coin each to take home, and after admiring the clever technology and effort that had gone into this hunt for another while, and taking some photos, we put the lid back on and covered the box with soil and leaf litter just as we had found it. Then we walked back to Rickmansworth along the Grand Union Canal and visited the newsagent and Brown Sugar. The café was closed, but the newsagent was open and we bought a good supply of chocolate and other unhealthy snacks.

This is a recording of David's trip from Acton Hospital to Rickmansworth using the London Underground. Before the Journey File was published the link went to a music clip "Too Soon" by Eric Roberson.



Start: walks along busy road, probably from Acton Care Centre, Gunnersbury Lane.

4.20: Acton Town Station (runs for train?), gets on Piccadilly Line towards Northfields

4.38: Next station is [South Ealing](#)

7.23: This is [South Ealing](#). This is a Piccadilly line service to Northfields

7.25: South Ealing

7.58: The next station is [Northfields](#), this train will terminate here. All change. Please ensure that you take all your personal belongings with you.

8.30: This train will be held here for a short time

8.56: This train terminates here. All change. Please make sure that you take all of your personal belongings with you.

9.00: (Northfields) This train terminates here - all change. Please make sure that you take all of your personal belongings with you. Exits train. Probably changing platforms and waiting for train back.

10.28: This train is for Cockfosters

10.40: gets on Piccadilly Line towards Cockfosters

11.03: The next station is [South Ealing](#)

11.43: back at South Ealing, Possibly he had caught wrong train from Acton Town.

11.49: This is [South Ealing](#). This is a Piccadilly line service to Cockfosters

12.26: The next station is [Acton Town](#). Please mind the gap between the train and the platform. Change for the District Line and Piccadilly Line services for other destinations.

16.49: The next station is [Hammersmith](#). There are no District Line services from the station today. If you require District Line services to Central London please take this train to Hammersmith and change there.

18.28: Train on platform 2 is for all stations to Cockfosters (indistinct). Your next station is [Acton Town](#). If you require District Line services to Central London please take this train to Hammersmith and change there.

19.19: Replacement bus services Turnham Green bus stop R (indistinct)

19.45: Mind the gap. Please mind the gap between the train and the platform, this is Acton Town. Change here for...

19.47: Acton Town Station, then gets on Piccadilly Line towards Rayners Lane

24.15: Please mind the gap between the train and the platform. This is [Ealing Common](#). This is a Piccadilly Line service to Rayners Lane

26.30: This is [North Ealing](#). This is a Piccadilly Line service to Rayners Lane

28.34: This is [Park Royal](#). This is a Piccadilly Line service to Rayners Lane

31.05: This is [Alperton](#). This is a Piccadilly Line service to Rayners Lane

33.29: This is [Sudbury Town](#). This is a Piccadilly Line service to Rayners Lane

36.05: This is [Sudbury Hill](#). This is a Piccadilly Line service to Rayners Lane

38.40: Please mind the gap between the train and the Platform. This is [South Harrow](#). This is a Piccadilly Line service to Rayners Lane

41.30: This is [Rayners Lane](#). Change here for Metropolitan Line. This train terminates here. Exits train, walking and waiting in station

48.40: gets on Metropolitan Line towards Aldgate. Next station is [West Harrow](#). This is an all stations Metropolitan Line to Aldgate.

50.09: The next station is Mind the gap between the train and the platform. - start of censoring the station and line names

50.45: (West Harrow) The next station is This is an all stations

53.19: (Harrow-on-the-Hill) This is Exits train

Walks around station and waits, sounds like diesel engine coming through, Harrow-on-the-Hill is a National Rail station.

56.12: There are severe delays on the Bakerloo Line. The District Line is also closed. The ... is also suspended. There is a good service on all other underground lines

59.55: This is The next station is



(End of transmission.)

Start: buzzing censored sound

0.15: (Harrow-on-the-Hill) gets on tube

3.00: (North Harrow). Censored announcements **This is** **The next station is** **This is an all stations service...**, which is what they used on the Metropolitan Line before

5.05: (Pinner) **This is** **The next station is** **This is an all stations service...**

7.36: (Northwood Hills) **This is** **This is an all stations service...** (longer buzzing)

9.55: (Northwood) **This is** **This is an all stations service...** (longer announcement)

12.32: (Moor Park) **The next station is.....** . Exits train

Almost 10 minutes of waiting at station, noise of sweeper or some other power tool, tube train comes through, but he does not get on it.

22.05: tube arrives, **This is** He gets on the train

22.15: tube leaves, **The next station is.....**

27.08: (Rickmansworth) tube arrives at station, No announcement at all on platform. he exits the train here via subway.

4 minutes of walking along a not too busy road (probably Station Road)

31.04: enters Brown Sugar café, orders poached eggs on granary and an Americano coffee.

Some chatting in the background, sometimes censored when locations are mentioned, customers are not related to hunt, though. A girl mentions Iceland's and there's one not far away. Door is quite noisy when slamming shut.

35.46: coffee arrives

37.48: breakfast arrives, he wants no sauce with it

46.48: he orders a scone with butter and jam

52.23: scone arrives

56.52: he asks for the bill, leaves tip in piggy bank

57.35: leaves café, short walk

57.58: enters newsagent shop next door (Black's, 120 High Street 01923 772882)

Asks for price of putting a postcard in the window. Shopkeeper says 70 Pence.

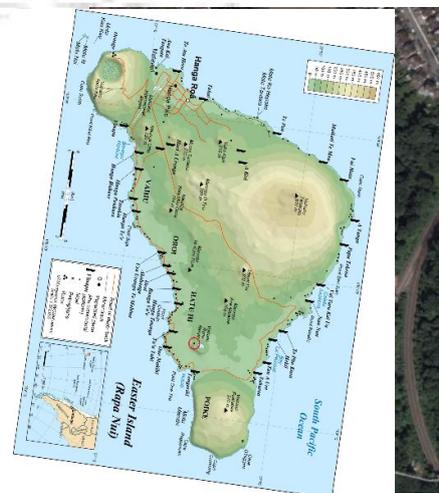
End of transmission, short break.

58.32: strange time machine like sound, possibly an explosion.

The timing matches the tube timetables, i.e. the time it takes to get from one station to the next

Easter Island

The Moai head used in the ATH Corp logo seems to be the one near Rano Raraku on Easter Island. The section of Croxleyhall Wood east of All Saints Lane resembles Easter Island rotated. In this position, the location of the Moai Head is very similar to our plotted treasure site.



The Moai is looking east, so go east from the newsagent in Rickmansworth.

Poster

Website Links

- Title - Pablo ATH site
- “roll” - Rickroll video

Music Links

- Communication Satellite - phone ringing for a few seconds then the first line of Blondie "Hanging on the Telephone". We needed to make a telephone call to Acton Hospital
- HMS Beagle contains 3 links:
 - Main Sail - "Ship of Fools" The Doors (Morrison Hotel)
 - Other sails - "Sailing By" by The Percy-Gardner Orchestra - used for the BBC Shipping Forecast
 - Outer frame - Rickroll video
- Crossed Logica Ls - "Odds and Ends" by Bob Dylan & The Band - (X ie intersection marks the spot)
- Fenchurch Street Station - "The Stations" by Marianne Faithfull

QR Codes

There are 2 QR codes on the satellite:

- QR1: [Merry Christmas and Happy New Year to all teams, remember to listen to the heads.](#)
- QR2: Rickroll video

Themes

- Station – the leftmost drawing is of Fenchurch Street station
- Ship – HMS Beagle in the Straits of Magellan at Monte Sarmiento, a reproduction of R. T. Pritchett's frontispiece from the 1890 illustrated edition of *The Voyage of the Beagle*.
- Sherlock Holmes – magnifying glass contains x64 which is the maximum magnification of a PDF document in Adobe Acrobat
- Stop, Look, Listen - was a song by Rick Nelson. A Rick theme!
- 1741 Questions - Charles Darwin's Beagle 2 voyage lasted 1741 days



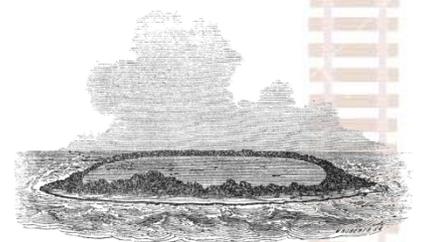
Ciphers

These are both 3-rail railfence ciphers. London Underground lines appear to have 3 rails, but actually have 4.

- The one on the station decodes to [trust this document always](#)
- The one on HMS Beagle decodes to [not all pdf readers are created equal](#)

Encirclement of the World

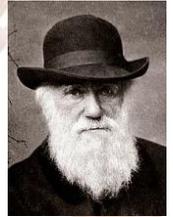
- Neil Armstrong “That’s one ... for ATHkind” - he went round the earth and to the moon in Apollo 11
- [Steps at Salutation Cottages](#), Winchelsea - the first Russian space stations were called "Salyut" which translates as Salutation
- Communication / [GPS Block 2F Satellite](#) sent up on an Atlas 5 rocket.
- Ship's Rope – possibly the shape of an atoll. The IR detector box was secured to the tree with a rope. It's also encircling everything else.
- Circular Atoll / Coral Reef – In 1842, Charles Darwin explained the creation of coral atolls in the southern Pacific Ocean based upon observations made during a five-year voyage aboard the HMS Beagle from 1831 to 1836. A similar drawing appears in Darwin, C. R. 1842. The structure and distribution of coral reefs. Being the first part of the geology of the voyage of the Beagle, under the command of Capt. Fitzroy, R.N. during the years 1832 to 1836. London: Smith Elder and Co. Labelled Whitsunday Island (now Pinaki). He wrote another book named “Coral Reefs”.
- “Global Coverage” (Great Circles used in solution)



Sherlock Holmes

His magnifying glass contains x64 which is the maximum magnification (6400%) available in Adobe Acrobat Reader DC.

Curiously he is not wearing the traditional deer-stalker, but a hat similar to the one in some of the original illustrations in The Strand magazine by Sidney Paget. Charles Darwin wore a similar one when he was older.



Operating System requirements

Acrobat: IOS is a problem. Version 9. Unable to check whether this means version 9 is a problem or okay.

Some of the team were unable to play the sound clip links in the PDF using Adobe Acrobat Reader DC until they'd changed the default setting "Enable Protected Mode at Startup".

Buildings

Stanfords map shop. As having a reputation for its extensive collection of maps it is claimed to be "an essential first port of call for adventure and armchair travellers alike". Stanfords was the first major supplier of OS mass back in their early days. Customers past and present include names as David Livingstone, Scott of the Antarctic, Ernest Shackleton, Florence Nightingale, Ranulph Fiennes, Bill Bryson, Michael Palin, and **Sherlock Holmes**. Sherlock Holmes bought a map from Stanfords in Sir Arthur Conan Doyle's The Hound of the Baskervilles.



Moai Head on Easter Island

The pink corner at the bottom is rolled up revealing a date 9/9/15 and initials JMM. The roll is possibly another Rickrolling connection.

Stop, Look, Listen

Train stops, pixels, sound clips. Drawing is similar to a clip art related to The Stylistics "Stop, Look and Listen (To Your Heart)".



Extra links to Hunt Themes

Rickrolling

Poster says "no red herrings ... just rock and roll". This refers to Rick Astley. All of their herrings are in fact these links to the RA video. Rock and Roll ... Rick and Roll ... Rick Rolling. !!!

Rickrolling – A phenomenon involving posting a URL in an Internet forum that appears to be relevant to the topic at hand, but is, in fact, a link to a video of Rick Astley's "Never Gonna Give You Up". The practice originated on 4chan as a "Duckroll", in which an image of a duck on wheels was what was linked to. The practice of Rickrolling became popular after April Fools' Day in 2008 when YouTube rigged every feature video on its home page to Rick Astley's song.

We approached Rick for a photograph. The reply from his wife was

[Unfortunately Rick is not available.](#)

[Good luck with it all.](#)

[Kind regards, Rick Astley Management](#)

The following parts of the hunt all lead to the video

- Poster – Roll, Ship, QR code
- Consultant letter – morse code on NHS logo via Google URL shortener <http://www.goo.gl/3c4om5>
- Page 2 QR code, morse code on ATH Corp logo
The logo morse code links to a copy of NSA/CSS site. The page tab has a face of a Moai on yellow background. Hovering successively over the ones on the top displays links to xxxx.html subpages where the xxxx read : [click on any link to get to the treasure route](#). Any search term entered comes up in red. These and all other links lead to www.athcorp/treasure; This page displays an image of the hunt ATH Corp logo with a link below [Route to the Treasure Box](#). This then takes you to Rick Astley's "Never Going To Give You Up" video. The top line of the source code has the comment - "Keep Looking".
- Page 3 – morse code on ATH Corp logo via Google URL shortener www.goo.gl/7i0eb9

"Never gonna give you up" was released in 1987, which matches the 87 from the car parking puzzle.

Q1586. Peggy and Susan appear in Arthur Ransome's Swallows and Amazons books including "[Red Herrings](#)"

No Y

- The piano image shows 26 keys with the 25th (Y) crossed out. The keys start A#, B, C, Db (A,B,C,D).
- The final question is:
Nnnn. Why is the xxftth xxxxxx xunniest joke xx xxxxburgh fringe of xx xxxxx2? **Y** [The fifth funniest joke of the 2012 Edinburgh Fringe Festival](#) was "I'm good friends with 25 letters of the alphabet ... I don't know Y." – Chris Turner
- The ATH Corp logo says ... [know why](#) (No Y)
- The decode from the No **I**. Trains Stop Sudoku has the Y changed to I (title should be No Y.)

THE POSTER THE LETTER AND THIS PDF ARE ALL IMPORTANT TO IOUR QUEST KEEP LOOKING LISTENING SUMMING

- The message from QR code on the flower on the cover page has the Ys changed to I
COUNT THE DAIS COUNT ALL THE QUESTIONS THE EVOLVING JOURNEI OF PHILOS AND THE WEATHERMAN
- No Y rhymes with Moai
- No Y suggests a 5x5 Polybius square without a Y is required to solve a cipher. Commonly this would be a Playfair or Bifid encoding system, but we have been unable to decode anything using either of these.
- "Composite Signals Organization (CSO): Known informally as the "Y" Service during the war, the CSO is the cover name for GCHQ's intercept arm, the first link in the long chain known as Signals Intelligence, or SIGINT." British signals staff responsible for the interception of enemy radio and telephone messages.
- The congratulatory message in the treasure box has 3 saxophones with variants of the **Y** fingering

Trains

- Q942. Samuel W Johnson was Chief Mechanical Engineer (CME) of the Midland Railway from 1873 to 1903
- Using the first letter of the first station, then the second of the second etc. (reversing the name when the picture is reversed) starts BATOERY, which is spookily close to BATTERY. The legibility falls apart beyond that.
- **Fitzroy** is a former railway station which was on a branch of the Inner **Circle line** in Melbourne, Australia. The branch ran through the Edinburgh Gardens, just east of the Brunswick Street Oval. The station was opened in 1888, but poor patronage led to its closure to passenger services in May 1892. The line was thereafter used only for goods trains, which lasted until 1981. The site is now occupied by a medium-density housing estate.
- **'Darwin'** is the source of information that feeds all of NRE's real time services, providing predictions and actual train movements across the National Rail network in real time.
- The Font used in the Poster and Hunt is "Station"
- Croxley station is in zone 7 which could be looked upon as an upside down L for Logica.
- The bird box was secured to a Beech tree. Burnham Beeches is a popular woodland.

Shipping

- Q1585. Redmond O'Hanlon is also a member of the Society and was a co-presenter on a programme called Beagle: In Darwin's wake.)
- The subtitle of the Vauxhall station picture is "Sailing Through".

Puzzles

- Rickmansworth stands on River **Chess**, Gade and Coln
- 1741 backwards is 1471 the callback number for the UK.

QR Codes

- Q1623 Heinz sauce QR code led to an X-rated website.
- KenKen code also anagrams to EASTER EGGS NO SINS
An Easter egg is an intentional inside joke, hidden message, or feature in an interactive work such as a computer program, video game or DVD menu screen.
- The Moai heads are on Easter Island.

Meteorology

- Question 943 answer involves cold and warm weather front symbols.
- Question 1226. Nelson's observation of the wind played a decisive part in the Battle of Trafalgar victory.
- The Met Office was in Bracknell prior to it's recent move to Exeter.
- In 1987 (the same year that "Never gonna give you up" was released) there was the big storm that Michael Fish still gets mocked about not predicting.
- The 1st century BC physicist and philosopher **Philo** of Byzantium, was probably the first person to realise that air expands on heating and to use this principle to demonstrate a crude thermometer. There was then little development of this idea for 15 centuries. Then, during the 16th century thermometers began to be developed and the famous Italian physicist and astronomer Galileo Galilei was among the first people to develop a crude thermometer. The first thermometer as we would recognise them was made by Ferdinand II, Grand Duke of Tuscany, in 1641 and was filled with alcohol, rather than mercury which is often used today. Mercury thermometers were then developed within the next 20 years.
- Valley Road, Rickmansworth has a frost hollow. This is caused by the local geography, notably the railway embankment which prevents the natural drainage of cold air from a specific part of the valley. Rickmansworth recorded the largest daily temperature range in England when, on 29 August 1936, the temperature climbed from 1.1 °C at dawn to 24.9 °C within 9 hours due to this unique geographic feature.
- In Rectory Lane, off Parsonage Road, Rickmansworth (a possible route between the station and the café), there hangs the stuff of legends, a rumoured fabled stone, endowed with magical weather forecasting abilities.
- Fitzroy had a dip circle navigation instrument



Questions

- According to Fitzroy, HMS Beagle had a [crew of 74 persons](#).
- The digits of the extension numbers add up to 75; the same as the number of questions.
- 9th September 2015 was the day when Elizabeth II became the longest reigning British monarch, putting Victoria into second place.
- Emm Brook runs between Bracknell and Wokingham, and flows through Wokingham.
- Question 945 is "Whose picture was in the shop first?" Could relate to the café?

Music

- The saxophone tune sounds a bit like Remote Control Me by Jazzy.
- There is a weird album "[The Voyage of the Beagle](#)" by Galapagos Duck which was released in 1992
- There is a [sax-tenor version](#) of "Never Gonna Give You Up"
- FitzRoy is buried at All Saints' Church, Upper Norwood, London and treasure in by All Saints' Lane.
- A [saxophone was stolen](#) from the Royal Masonic School in Rickmansworth.

Burnt Patches

These are [burnt paper textures](#). There are 4 main images, rotated at different angles, plus a couple of others. Removing them from the PDF reveals that there is nothing beneath them except the full text of the final question, the missing words from question 1480 and an extension of the piano keys. Curiously, the one on page 6 has the letters B-S (or R-S) on it. This may be no more than a copyright watermark.

Given its central location, and perhaps its tactical importance as a map maker, it was only a matter of time before the Stanfords took a hit. On the night of April 15th 1941, in one of the biggest raids on the capital, Stanfords was hit by an incendiary bomb which all but destroyed the top two floors of the building. However, the thousands of Ordnance Survey maps stocked by the shop in tightly constructed stacks actually helped halt the path of the flames and saved the rest of the shop from destruction. In a business move which his entrepreneur grandfather would perhaps have been proud of, Fraser Stanford continued to sell these maps in years to come - **complete with charred edges**.

Pablo

Q746. David Hockney spent the summer of 1976 on **Fire Island**, New York, with art curator Henry Geldzahler and poet Christopher Isherwood, reading the poems of Wallace Stevens. He especially loved the long poem entitled The Man with the Blue Guitar, which had been inspired by Picasso's painting The Old Guitarist of 1903. Hockney had admired the works of Picasso for a long time, and he was excited by the way Stevens had woven an allusive and musical text around the theme of the interplay between reality and imagination. Hockney made a series of drawings inspired by the poem and owing a great debt to Picasso that summer, and then back in London he painted some small canvases continuing the theme. Dissatisfied with these, he decided to make a set of coloured etchings instead which would stress the artist's freedom of imaginative response to reality and illusion. He gave them the title The Blue Guitar, etchings by David Hockney who was inspired by Wallace Stevens who was inspired by Pablo Picasso, and they were published both as a portfolio and as a book in spring 1977.

Previous Hunts

- Both of Dave Kee's past hunts (1996 and 2000) have the phrase 'Yes - there really is buried treasure out there!' as per the consultants letter. For this hunt he reused the treasure chest from the 2000 one.
"The treasure casket is a small hand made box purchased from Leh in Northern India. The chain and anchor were purchased in a tacky souvenir shop in Fort Augustus in Scotland and cost more than the box."
- The 2014 Hunt involved Douglas Adams' Hitchhikers Guide (Fenchurch Street Stn, Rickmansworth café)
- The EXIF date of the ATH Corp logo image gives 17.03.2007, suggesting the hunt was created in 2007

