

Other Activities

The Great Karstaway Trivia Quiz

The Trivia Quiz was conducted in teams and included some activities e.g. knots, as well as questions. The questions are listed below and the answers are in italics.

Rules

- Teams of 2 to 4 people
- Complete all sections on the sheets
- Judges decision is **FINAL**
- Answers will be posted at the end of the night and your team's answers will be marked by another team. This includes the knots and activities.
- The time permitted will be announced.
- **Have fun**

Questions and Answers

1. The book 'One Thousand Metres Down' written by Jean Cadoux and others in the 1950s is about the exploration of which famous French Cave? *Gouffre Berger (or the Berger)*
2. Who is regarded by many as the first 'professional caver' and made the first descent of England's Gaping Gill Cave? *Edouard Martel*
3. Who wrote the book 'Caves of Adventure' about the early exploration of Pierre St Martin? *Haroun Tazieff*
4. Name of doyen of Australian Speleology and author of 'Karst' in the series 'An Introduction to Systematic Geomorphology'? *Joe Jennings*
5. Name a previous Australian president of the IUS? *Julia James*
6. Where is the next IUS going to be held and when? *Texas July 2009*
7. UIS/IUS. What does this acronym mean and why are there 2 versions? *Union Internationale de Speleologie (French) International Union of Speleology (English)*
8. What are the individual groups in the National Speleological Society in the USA called? *Grottos*
9. Which Australian capital city hosted the first ASF Biennial Conference and when? *Adelaide, Jan. 1957*
10. Who was ASF's first president? *Brian O'Brien*
11. Name 3 past presidents of ASF since 1990? *Any 3 of: Jay Anderson, John Dunkley, Peter Berrill, Miles Pierce, Lloyd Robinson, Brendan Ferrari*
12. Give three names for previous conferences and where those conferences were held? *Any 3 of: Nibicon Sydney Dec 1972; Cavconact Canberra Dec 1976; WACCON Perth Jan 1979; CaveConvict Melbourne Dec 1980; SpeleoVision Adelaide Jan 1983; Speleomania Hobart Jan 1985; Speleotec Sydney Jan 1987; Tropicon Tinanroo Falls Dec 1988; Cave Leeuwin Margaret River Dec 1990 - Jan 1991; TasTrog Launceston Jan 1993; Vulcon Hamilton Vic Jan 1995; Cave Queensland Yeppoon Jan 1999; A Cave Odyssey Bathurst Dec 2000- Jan 2011; UnderWay Bunbury Jan 2003; Cave Mania Dover Jan 2005; Caves Craters & Craters Mt Gambier Jan 2007. All other conferences did not have names.*
13. What ASF Commission evolved into ACKMA? *Cave Tourism and Management Commission*
14. What do the initials ACKMA stand for? *Australasian Cave & Karst Management Association*
15. In what year was the first edition of the ASF Speleo Handbook published? *1968*
16. Name of the current editor of Caves Australia? *Brooke Grant*
17. Who first drafted the Code of Minimal Impact Caving? *Rauleigh Webb*
18. What ASF survey grade number applies to a cave survey where distances between deliberately chosen survey stations are measured to within 0.1m and compass bearing and inclinometer angles to within 2 degrees? *Grade 4*
19. In the ASF standard cave mapping guide the symbol "x" represents what material? *Guano*
20. If the elevation angle between two survey points is 60 degrees and the straight line distance between the points is 10 meters what is the corresponding horizontal distance? *5 meters*
21. Name one of the recipients of the ASF Edie Smith award announced at the Mount Gambier Conference in 2007? *Grace Matts, Ian Household*
22. To whom was the newly created ASF Award of Distinction made in 1993 and in connection with what long

- running cave and karst conservation campaign? *Norm and Doreen Pershouse, Mount Etna Campaign*
23. Nomenclature purists rail against this eight word cave name and where is it? *The-cave-with-the-thing-that-went-thump, Mount Etna, Qld*
24. What respiratory fungal disease can be contracted from bat guano, particularly if it is dry and dusty? *Histoplasmosis*
25. What gas is produced in a carbide lamp and burnt as a light source? *Acetylene*
26. Which cave currently claims the record as the world's deepest cave? *Voronja (Voronya) Cave*
27. Name the longest surveyed cave in Australia and in which state or territory? *Bullita System NT*
28. Name the deepest cave in Australia and in which state? *Tachycardia, Tasmania*
29. Queensland volcanic region with extensive lava tubes, some used for tourism? *Undara*
30. What is the French word for abseil? *Rappel*
31. The word speleology has its etymological roots from which classic language? *Greek*
32. What is the generic word pertaining to the construction of static rope such as Blue Water rope? *Kernmantel*
33. What is the common name of the bat *Rhinolophus Megaphyllis*? *Eastern Horseshoe bat*
34. Name three descending devices as used in SRT? *Whaletail, Figure of Eight, Rack, Petzl Stop.....*
35. What type of knot is a prussik knot? *Slip knot*
36. Approximately how long ago is the mid Devonian era? *about 400 million years ago*
37. Rocks are classified initially according to the way they are formed. One type is formed when various substances are deposited and cemented together. Another type is formed when hot liquid rock material solidifies and the third type is formed by the effect of heat and pressure on rocks. Name the three types of rocks in order of descriptions above? *Sedimentary, igneous and metamorphic*
38. What is the name given to the huge slabs of slowly moving rock that form the Earth's crust? *Tectonic Plates*
39. Name the two main types of doline? *Collapse and solution*
40. What is the key difference between Dolorite and Dolomite? *Dolerite is an igneous rock similar to basalt and Dolomite is a sedimentary rock (magnesium calcium carbonate). Dolomite is also the name of the mineral.*
41. What are the main chemical constituents of Dolomite? *Calcium/Magnesium Carbonate (Ca/MgCO₃)*
42. Name an Australian cave area in Dolomite? *Bullita, Pungalina, Tantanoola but there are several others*
43. What is the common name for the mineral responsible for the massive crystals in the 'Cave of Crystals' discovered by miners in Mexico in 2000? *Gypsum*
44. What is its chemical name? *Calcium Sulphate (or more strictly, hydrated Calcium Sulphate)*
45. What is the chemical formula for calcite? *Ca CO₃*
46. What is the collective name for Stalactites, Stalagmites, Shawls, Straws, Flowstone, etc? *Speleothems*
47. What is the technical term for cave passage development dominated by solution in flooded cavities? *Phreatic*
48. What is the word to describe the cave passage development dominated by free flowing water? *Vadose*
49. Name a relatively common cave type not formed by solution? *Volcanic / lava tubes, coastal sea caves*
50. What is the name of the process by which plants use the energy of sunlight to produce oxygen gas and sugars for energy? *Photosynthesis*
51. What element is the main component of all of Australia's silver coins? *Copper*
52. What do you call the point about which a lever pivots? *Fulcrum*
53. Animals on Earth come in all sizes. What is the largest living species of mammal? *Blue whale*
54. Some animals eat only plants. Some eat only other animals. What is the word to describe an animal that eats plants and animals? *Omnivore*
55. List the planets in our solar system from closest to the sun to furthest away? *Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune*
56. How many times does the moon revolve around our sun in one year? *Once*

57. Around what planet does the moon Titan orbit? *Saturn*

58. Who was the first woman to win a seat in the House of Representatives in the Australian parliament? *Enid Lyons (Tas) in 1943 (Dorothy Tangey was elected to the Senate the same year from WA).*

59. In what year did regular TV broadcasting start in Australia, and in what year was colour TV introduced? *1956, 1975*

60. Australia Day is celebrated on January 26 each year. Why was this day chosen as the country's national day? *Commemorates the day in 1788 that the Union Jack was raised in Sydney and foundation of NSW colony declared*

61. Using the word CAVERN create as many 4 or more letter words. Do not use plurals or proper nouns or acronyms. Using the word Speleological create as many 4 or more letter words. Do not use plurals or proper nouns or acronyms. *Answers to these questions are not provided here. The list is too long!*

62. Like all living organisms on Earth humans can be classified based on the Linnaean classification system. Classify humans according to

Kingdom *Animalia* **Phylum** *Chordata* **Class** *Mammalia* **Order** *Primates*
Family *Hominidae* **Genus** *Homo* **Species** *sapien*

63. Using the supplied cord tie the following knots :- Fishermans knot, Bowline, Figure of eight.

64. Fill in the table from the information on the map. Be careful, as some information is not obvious. A couple of clues are given to assist. The map is Figure 1.

Number	Caving area name (some clues are given)	Full Area Code
1	Margaret River	6 MR
2	Kimberley	6 KN, KG, KH, KL, KO, KP
3	Cape Range	6 C
4	Yanchep	6 YN
5	WA Nullarbor	6N (now 5N)
6	Naracoorte	5 U
7	Flinders Ranges	5 F
8	Kangaroo Island	5 K
9	Yorke Peninsula	5 Y
10	Nullarbor SA	5 N
11	Bats Ridge	3 BR
12	Drik Drik	3 DD
13	Murrindal	3 M
14	Nowa Nowa	3 NN
15	Limestone Creek	3LC
16	Yarrangobilly	2 Y
17	Indi	2 I
18	Wombeyan	2 W
19	Yessabah	2 YE
20	Timor	2 TR
21	Camoweal	4 C
22	Mt Etna	4 E
23	Chillagoe	4 CH
24	Texas/ Border Rivers Karst	4 BRK

25	Undara	4 U
26	Bullita	8 BAA
27	Katherine	8 K
28	Pungalina	8 PUN, SEL
29	Keep River	???
30	Mole Creek	7 MC
31	Ida Bay	7 IB
32	Junee Florentine	7 JF
33	Mt Anne	7 MA
34	Ranga	7 RA
35	Lower Gordon	7 LG

Keep River area code will be related to the 1:100000 maps sheet.

Figure 1: Cave and karst areas of Australia (after Grimes 2002)

