

Ultimate QuizBowl Guide

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 2019

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Chapter 1

Introduction

So you've found yourself in the world of trivia.

The Categories. General Principles: You play with a team. Pick complementary areas. Build your own lists. Play Jeopardy and Watch/Read the News. Write your own questions.

Chapter 2

Current Events

2.1 Introduction to Current Events

The very nature of current events makes it extremely hard to write a section of a book on this. Studying for the current events means keeping up with the news. Whether it be online news sites like CNN's website, watching the news on TV or even reading the newspaper, you must do this every day to be well informed about current events.

This section will change quite frequently, and some of the current events section will undoubtedly be moved into the "history" section as time passes. For reference, this version of the Ultimate QuizBowl Guide was released on October 3, 2019.

2.2 Business

2.3 Politics

2.4 Science

Chapter 3

Fine Arts

3.1 Visual

3.1.1 Architecture

3.1.2 Sculpture

3.1.3 Painting

3.1.4 Other

3.2 Performing

3.2.1 Plays

3.2.2 Operas

3.2.3 Music

Chapter 4

Geography

4.1 Africa

4.2 Antarctica

4.3 Asia

4.4 Australia and Oceania

4.5 Europe

4.6 North America

4.7 South America

4.8 Oceans

Chapter 5

History

5.1 Ancient History

5.2 American History

5.3 European History

5.4 Religious History

5.5 World History

Chapter 6

Literature

6.1 American Literature

6.1.1 Fiction

6.1.2 Nonfiction

Silent Spring

6.1.3 Poetry

6.2 European Literature

6.2.1 Fiction

6.2.2 Poetry

Shakespeare

6.3 Religious Literature

6.4 World Literature

Chapter 7

Mythology

Chapter 8

Pop Culture

8.1 Pop Music

8.2 Entertainment

8.2.1 Video Games

8.2.2 Wrestling

Chapter 9

Science

9.1 Astronomy

9.1.1 Constellations

9.1.2 Cosmology

9.1.3 Solar System

NASA

9.1.4 Stars

9.1.5 Telescopes

9.2 Biology

9.3 Chemistry

9.4 Computer Science

9.5 Earth Science

9.5.1 Geology

Vulcanology

Introduction to Vulcanology

World Volcanoes

Hawaiian Volcanoes

Introduction to the Hawaiian Volcanoes -

The Hawaiian Volcanoes are due to a hot-spot underneath the pacific ocean which has formed the Emperor-Hawaiian Seamount Chain that stretches across the pacific to Japan and Siberia. The volcanoes are on two parallel lines (the Loa Line and the Kea line - the Loa line is south (lower)).

The major islands of Hawaii are:

- Hawaii
- Maui
- Kaho'olawe
- Lanai
- Molokai
- Oahu
- Kauai
- Ni'ihau

All of the Hawaiian islands were formed by volcanoes. Only Maui and the Big Island have volcanoes that could still erupt.

Volcanoes on the Big Island:

- **Kilauea** - The youngest volcano. Most active on earth. Last erupted in 2018, devastating the lailani estates subdivision. Traditional home the the Goddess Pele in Hawaiian mythology.
- **Mauna Loa** - Largest volcano by mass in the world. Second Most active volcano in Hawaii. Last erupted in 1984, nearly destroying the city of Hilo (the largest city on the Big Island).
- **Mauna Kea** - Tallest volcano in the pacific. (Remember, Mauna Loa is Lower in elevation). Site involved in protests due to telescope contruction. Jason Momoa (aquaman actor) Staged his arrest during the protest.
- **Hualalai** - Smallest of the five volcanoes on the big island. Known for xenoliths (rock from the mantle brought up in lava flows). Last erupted in 1801. Kona Airport is built on the 1801 lava flow.
- **Kohala** - Oldest on the big island. Experienced a Magnetic Field Reversal. Experienced a huge landslide, fossils were deposited by a huge tsunami.

Other Hawaiian Volcanoes

- Haleakalā - On the island of Maui. Still considered dormant. Last erupted in 1790.
- Lo'ihī Is the newest of the Hawaiian volcanoes and is still underwater. Will probably break the surface in 100,000 years or so.

Kilauea - Things to know about Kilauea:

- One of the most active Volcanoes on earth - often classified as the most active.
- Last Erupted 2018
- Semi-persistent Lava Lake at summit, disappeared in 2018.
- Erupted 1983-2018 at Pu'u 'O'o.
- Newest of the Hawaiian Volcanoes on the Big Island. (Lo'ihi[̄] is newer, but is still underwater.)
- Summit in Volcanoes National Park, near the town of Volcano.
- Traditional home of the goddess Pele.
- Located on the southeastern part of the Big Island on the Kea Line.

2018 Eruption Facts:

- Erupted in 2018 from fissures in the lower East Rift Zone.
- Fissure 8 became dominant, decimating the Lelani Estates subdivision.
- Lava from the eruption created a new black sand beach.

Recent News:

- A pool of water has formed where there used to be a lava lake.

Random facts:

- Mark Twain once got lost while hiking into Kilauea's Caldera.
- A man fell more than 70 feet into the caldera in May 2019. He was rescued by helicopter.
- Reading Rainbow filmed an episode on Kilauea.
- An eruption in 1790 killed at least 80 native Hawaiians.
- Franklin D Roosevelt was the first president to visit Kilauea.

Mauna Loa Things to know about Mauna Loa:

- Mauna Loa is the largest volcano by mass in the world.
- Mauna Loa is a very active volcano, second to Kilauea.
- There are atmospheric and Solar Observatories at the top of Mauna Loa. The Atmospheric Observatory was responsible for the discovery of the Keeling curve for Carbon Dioxide.
- Mauna Loa is 13 679 ft tall, only 300 feet less than Mauna Kea.
- Mauna Loa last erupted in 1984. The eruption nearly destroyed the town of Hilo.
- The summit and eastern flank of Mauna Loa are part of Hawaii Volcanoes National Park.

Recent News:

- Mauna Loa is currently (as of October 3, 2019) on Yellow alert for volcanic eruption.
-

Random Facts

- Mauna Loa is one of the 16 Decade volcanoes in the world chosen for monitoring because of their destructive history and proximity to population.
- Coffee and Macadamian Nuts are grown on the slopes of Mauna Loa.

Mauna Kea Things to know about Mauna Kea:

- Mauna Kea means "White Mountain" for the snow that often falls on its summit.
- It is the tallest volcano on Earth, and the highest peak in the Pacific, and the highest Island Mountain in the world.
- Mauna Kea is known for its numerous cinder cones.
- Also known as "Mauna a Waieka" meaning "The mountain of Waieka"
- The summit is sacred to Hawaiians, as it is where the Heavens and the Earth meet.
- Mauna Kea last erupted about 4600 years ago.

Recent News:

- There are numerous telescopes near the summit of Mauna Kea, including Keck-1 and Keck-2. Gerard Kuiper began the telescope program.
- There have been ongoing protests to the building of the 30-meter telescope at the summit.
- Actor Jason Momoa (Aquaman Actor) staged his arrest as part of the ongoing protests.

Random Facts:

- There is a glacial lake near the summit of Mauna Kea called Lake Waiau.
- Glacier-quenched Basalt can be found at the top of the mountain, indicating that in the last ice age, there was a glacier that covered the summit. There is evidence of Early Hawaiians quarrying this harder, stronger, heavier rock.
- Measured from its base on the ocean floor, it is the tallest mountain in the world. Adding the sinking into the mantle of the Pacific plate, it is nearly 70,000 feet tall, making Mauna Kea comparable to the Olympus Mons volcano on Mars (the largest volcano in the solar system).
- The Mauna Kea Silversword is a plant that is only found on Mauna Kea (Another species of silversword is found on Haleakalā.) In 2003 there were only 41 plants in the wild. Conservation efforts have increased that number to nearly 8000, but the plant is still critically endangered.
- Mauna Kea was the home of Poli'ahu, deity of snow in Hawaiian mythology.
- The botanist David Douglas (for whom the Douglas Fir tree is named) died on Mauna Kea when he fell into a pit trap. He may have been murdered.

Hualālai Things to know about Hualālai:

- Hualālai is the third youngest (and third oldest), and third most active of the five volcanoes on the Big Island.
- Hualālai last erupted in 1801. Despite low levels of activity recently, it is still active and expected to erupt in the next century.
- Hualālai is the westernmost of the Big Island volcanoes.
- A major subfeature of Hualālai is Pu'u Wa'awa'a, Hawaiian for "many-furrowed hill", a volcanic cone standing 372 m (1,220 ft) tall and measuring over 1.6 km (1 mi) in diameter. The cone is made of Trachyte, a type of lava rock that exists nowhere else on the islands.
- The Kona Airport is built on a lava flow from Hualālai's 1801 eruption.
- Many resorts along the coast near Kona are built on historic Lava flows from Hualālai.

Kohala Things to know about Kohala:

- Kohala is the oldest of the 5 volcanoes on the Big Island.
- Waipi'o Valley is a large eroded area in Kohala.
- It is old enough to have experienced a Magnetic field reversal that is recorded in its rocks about 780000 years ago.
- King Kamehameha I, the first King of the Kingdom of Hawaii, was born in North Kohala, near Hawi.

Hale'akala

Lo'ihi

9.5.2 Forensic Science

9.5.3 Meteorology

9.5.4 Oceanography

9.6 Physics

9.6.1 Classical Physics

9.6.2 Thermodynamics

9.6.3 Modern Physics

Modern Physics Principles

Atomic and Nuclear Physics

Famous Modern Physics Experiments

Chapter 10

Social Science

Chapter 11

Sports

11.1 Professional

11.1.1 Baseball

11.1.2 Basketball

11.1.3 Boxing

11.1.4 Car Racing

11.1.5 Curling

11.1.6 Cycling

11.1.7 Golf

11.1.8 Gymnastics

11.1.9 Hockey

11.1.10 Figure Skating

11.1.11 Football

11.1.12 Skateboarding

11.1.13 Soccer

11.1.14 Softball

11.1.15 Swimming

11.1.16 Tennis

11.1.17 Track and Field

11.1.18 Volleyball

11.1.19 Weight Lifting

11.2 College

11.2.1 Baseball

11.2.2 Basketball

11.2.3 Golf

11.2.4 Hockey

11.2.5 Football

11.2.6 Soccer

11.2.7 Tennis

11.3 Olympic Sports

11.3.1 -athalons

Chapter 12

Theology and Philosophy

Chapter 13

Miscellaneous