

Keeping Time

You are being provided with a book chapter by chapter. I will request you to read the book for me after each chapter. After reading the chapter, 1. shorten the chapter to no less than 300 words and no more than 400 words. 2. Do not change the name, address, or any important nouns in the chapter. 3. Do not translate the original language. 4. Keep the same style as the original chapter, keep it consistent throughout the chapter. Your reply must comply with all four requirements, or it's invalid. I will provide the chapter now.

POP STAR TRAGEDIES

? An early tragedy Michael Jackson suffered was when his hair caught on fire while shooting a Pepsi commercial on January 27, 1984, in Los Angeles. Jokes were made about the incident, but it left Jackson scarred and addicted to painkillers.

? Ricky Nelson was a '50s teen idol who was still well-known in the 1980s. Nelson died when the small DC-3 he was on crashed on December 31, 1985.

? "The Day the Music Died" refers to February 3, 1959, regarding an airplane crash in Iowa that took the lives of rockers Buddy Holly, the Big Bopper, and Richie Valens.

? On December 8, 1980, former Beatle singer John Lennon was shot and killed by Mark David Chapman in New York City. At his sentencing, Chapman read an excerpt from *The Catcher in the Rye*.

? Sergio Gomez was a star in Mexico's Duranguense music scene. After playing a show on December 2, 2007, Gomez was abducted, tortured, and murdered. No one has ever been arrested.

? Many K-Pop stars have died at young ages, several in auto accidents. Two members of the band Ladies' Code - RiSe and EunB - died from injuries from the same September 3, 2014, car crash.

? Several legends and rumors surround the death of Jimi Hendrix. The official report stated that he choked on his vomit, but the accounts given by the last person to see him alive, Monika Dannemann, reportedly changed the view, but Asphyxia due to aspiration of vomit; contributed to by barbiturate intoxication is still stated as the cause.

? You may remember Blind Melon's hit "No Rain" and then forgot about them. Part of that is because lead singer, Shannon Hoon, died of a cocaine overdose on October 21, 1995.

? Kurt Cobain's April 5, 1994, suicide was/is thought by some people to be a murder cover-up. Some conspiracy theories were even considered on an episode of *Unsolved Mysteries*.

? Ellen Naomi Cohen, better known as “Cass Elliot” or “Mama Cass,” struggled with her weight her entire, short life. She died of a heart attack on July 29, 1974, at the age of 32.

? Patsy Cline was only 30 and taking over the country music world when she died in a plane crash on March 5, 1963, near Camden, Tennessee.

? On August 10, 1993, Norwegian black metal musician, Varg Vikernes, stabbed former friend and fellow musician, Øystein Aarseth to death, bringing global media attention to the Scandinavian metal scene.

? The Mexican American pop star, Selena Quintanilla Pérez, was set to cross over from Latin music to mainstream pop when she was shot and killed by Yolanda Saldívar on March 31, 1995.

? Rapper Eazy-E (Eric Lynn Wright) became one of the first, and highest-profile, pop stars to die of AIDs on March 26, 1995.

? Suicide is also fairly common in the high-pressure world of K-Pop. On October 14, 2019, pop star Sulli hanged herself to death and just over a month later, on November 24, star Goo Hara committed suicide.

? People know the 1973 song “Bad, Bad Leroy Brown,” but not its singer. The reason is that singer Jim Croce died in a plane crash on September 20, 1973.

? Elvis Presley died on August 16, 1977, at the age of 42 of a heart attack. It was determined that obesity and heavy drug use played contributing roles.

? The murder of rapper Tupac Shakur on September 13, 1996 was once thought to be part of a conspiracy, but the evidence shows it was likely a local beef.

? Swedish DJ, Avicii (Tim Bergling), committed suicide while on vacation in Oman in 2018. He had struggled with opioid and alcohol addiction for several years.

? The “27 Club” is an urban myth that pop stars are more likely to die at that age than any other. Recent studies have shown that this isn’t true.

? Rapper Notorious B.I.G. (Christopher Wallace) was gunned down in LA on March 9, 1997. Many believed it was retaliation for Tupac’s murder, by Wardell Fouse, but Fouse was murdered in 2003 so we’ll probably never know.

? Judy Garland was the original tragic pop star. She died of a barbiturate overdose, on June 22, 1969, at the age of 47.

? Jim Morrison could've been the rockstar of the 1970s, or a prize-winning poet, but instead, he overdosed on heroin in a bathroom of a Paris hotel on July 3, 1971.

? Jaco Pastorius was a promising jazz musician with a drug problem and a tendency to start bar fights. On September 21, 1987, he started a fight with a martial arts expert at a bar and was beaten to death.

? Musicians in the above mentioned "27 Club" include Jimi Hendrix, Jim Morrison, Brian Jones, Janis Joplin, Kurt Cobain, and Amy Winehouse.

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KEEPING TIME

? "Time" has been defined as the sequence of existence into a series or sequence of events that can't be reversed. With that said, some scientific theories argue it's possible to change the sequencing.

? Water clocks were the most reliable early clocks. The oldest examples of water clocks come from 16th century BCE Egypt and Mesopotamia.

? The "grandfather paradox" holds that if a time traveler were able to go back in time and kill their grandfather then the time traveler wouldn't be born. But if the time traveler wasn't born, then they couldn't go back to kill grandpa, right?

? Following the course of the moon and sun were the earliest, most reliable forms of timekeeping. For that reason, calendars were developed before clocks.

? "Coordinated Universal Time" UTC is the standard by which all time is regulated. All time zones on Earth are based on the system, ranging from -12:00 UTC to +14:00 UTC.

? The academic term for a "leap year" is an intercalary year. This happens because a true solar year is slightly more than 365 days.

? The world's oldest sundial dates to about 1,500 BCE in Egypt. But telling time from shadows was the earliest type of timekeeping.

? It takes just under 24 hours for the Earth to rotate. The precise time is 23 hours, 56 minutes, and four seconds.

? There are actually measures of time less than a second. A Planck time is the period it takes light to travel one Planck in a vacuum or 5.39×10^{-44} seconds.

? In 2018, a lag in the European power grid caused the clocks on the continent to be six minutes slow. The problem was resolved after a few months.

? The first mechanical clocks began appearing in Western Europe in

the late 1200s. The earliest clockmakers were German, with the German and Swiss clockmaking tradition continuing to the present.

? “Greenwich Mean Time” GMT, refers to the time at the Royal Observatory in Greenwich, England. Although it’s commonly thought to be synonymous with UTC, it’s actually the time zone UTC +0:00.

? Rolex was actually founded in London, England in 1905 but moved its headquarters to the watch/clock capital of Geneva, Switzerland in 1920, where it remains today.

? The Greek word for water clock is clepsydra. Water clocks worked simply by either filling a vessel and draining it slowly and evenly or filling it slowly and evenly.

? Julius Caesar employed the brightest thinkers in the Roman Republic to create a new calendar that solved the problem of leap year. The Julian Calendar went into effect on January 1, 45 BCE and lasted until CE 1582 in most Western countries.

? Purely lunar calendars were rare in the pre-modern world. Lunisolar calendars base their months on the Moon’s cycles but account for leap years to stay in agreement with the solar calendar.

? An atomic clock keeps time by determining the frequency of the radiation of atoms. Atomic clocks were developed in the 1950s for commercial use.

? Cuckoo clocks originated in the mid-1700s in Germany. They came a little after the grandfather clock, which was invented by English