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William to thoroughly document all the landholdings within the kingdom that could be properly taxed.1087: the Battle of az-Zaqalaq between the Almoravids and Castilians1087: a new office at the Chinese imperial seaport of Quanzhou is established to handle and regulate taxes and tariffs on all mercantile transactions of foreign goods coming from Africa, Arabia, India, Sri Lanka, Persia, and South East Asia.1087: the Italian cities of Genoa and Pisa engage in the African Mahdia campaign.1087: William II of England, son of William the Conqueror, is crowned king of England.1088: the renowned polymath Chinese scientist and official Shen Kuo marks the world's first reference to the magnetic compass in his book Dream Pool Essays.[12][13] along with encyclopedic documentation and inquiry into scientific discoveries.1088: The University of Bologna is established.1088: Rebellion of 1088 against William II of England led by Odo of Bayeux.Siege of Jerusalem (1099) 1091: Normans from the Duchy of Normandy take control of Malta and surrounding islands.1091: the Byzantine Empire under Alexios I Komnenos and his Cuman allies defeat Pechenegs at the Battle of Levuntion1093: Vikramaditya VI, ruler of the Western Chalukya Empire, defeats the army of Kulothunga Chola I in the Battle of Vengi.1093: when the Chinese Empress Dowager Gao dies, the conservative faction that had followed Sima Guang is ousted from court, the liberal reforms of Wang Anshi reinstated, and Emperor Zhezong of Song halted all negotiations with the Tanguts of the Western Xia, resuming in armed conflict with them.1093: the Kypchaks defeat princes of Kievan Rus at the Battle of the Stugna River1093: Battle of Alnwick: Malcolm III of Scotland is killed by the forces of William II of England.1094: the astronomical clock tower of Kaiheng, Chinaengineered by the official Su Songis completed.1094: El Cid, the great Spanish hero, conquers the Muslim city of Valencia1094: a succession crisis following the reign of the Fatimid Caliph Ma'ad al-Mustansir Billah sparks a rebellion which leads to the split of Ismaili Shia into the new Nizari religious branch.1095: Pope Urban II calls upon Western Europeans to take up the cross and reclaim the Holy Lands, officially commencing the First Crusade.c.10951099: earliest extant manuscript of the Song of Roland1096: University of Oxford in England holds its first lectures1097: the Siege of Nicea during the First Crusade1097: Diego Rodríguez, a son of El Cid, dies in the Battle of Consuegra, an Almoravid victory1098: the Siege of Antioch during the First Crusade1098: Pope Urban II makes an appearance at the Siege of Capua1098: the Dongpo Academy of Hainan, China is built in honor of the Song dynasty Chinese official and poet Su Shi, who was exiled there for criticizing reforms of the New Policies Group.1098: the birth of Hildegard of Bingen, Doctor of the Church, abbess, monastic leader, mystic, prophetess, medical, German composer and writer, polymath.1099: the Siege of Jerusalem by European Crusaders.1099: after the Kingdom of Jerusalem is established, the Al-Aqsa Mosque is made into the residential palace for the kings of Jerusalem.1099: death of the great Spanish hero Rodrigo Daz "El Cid Campaador".1099: after building considerable strength, David IV of Georgia discontinues tribute payments to the Seljuk Turks.1100: On August 5, Henry I is crowned King of England.1100: On December 25, Baldwin of Boulogne is crowned as the first King of Jerusalem in the Church of the Nativity in Bethlehem.King Anawrahta of Myanmar made a pilgrimage to Ceylon, returning to convert his country to Theravada Buddhism.The Tuareg migrate to the Ar region.Kanem-Bornu expands southward into modern Nigeria.The first of seven Hausa city-states are founded in Nigeria.The Hoth region of Mauritania becomes desert.Fortified Chinese trade bases were established in the Philippines, to gather forest products and distribute imports.[14]Alfonso VI of CastileEmpress Agnes, German Queen who became regent of the Holy Roman EmpireBasil II of the Byzantine Empire.Angels crowning Canute the Great as he and his wife Igifu of Northampton present the Winchester Cross to the church, dated 1031The Atlantes columns in Tula.Stature of Lady Li Qingzhao in the Grand Hall of Poets in Du Fu Cao Tang, ChinaMatilda of Tuscany military leader from ItalyEmperor Shenzong of Song ChinaChinese Empress Cao, wife of Emperor Renzong of Song.Lady Sei Shnagon, wrote her Pillow Book about life in the Japanese courtPope Urban II of RomeStatue of William the Conqueror, holding Domesday Book on the West Front of Lichfield Cathedral.11th century mosaic of Constantine IX Monomachos, Empress Zoe, and Jesus Christ in the Hagia Sophia.An 11th-century reliquary of gold and cloisonn over wood, from the Duchy of Brabant, Maastricht Cathedral, now housed in the Louvre.Main article: 11th century in architectureAmi Cathedral in Turkey, completed 1001 or 1010St Albans Cathedral of England, completed in 1089The Gombad-e Gabus Tower, built in 1006 during the Ziyarid dynasty of Iran Pagoda of Fogong Temple, built in 1056 in Shanxi, China by the Khitan Liao dynasty in 1056Ami Cathedral, Kingdom of Armenia, built 1001 or 1010Svetitskhovli Cathedral, Georgia, is entirely renewed in 1029The St Albans Cathedral of Norman-era England is completed in 1089 The Al-Hakim Mosque of Fatimid Egypt is completed in 1013.The Iron Pagoda of Kaiheng, China is built in 1049.The Phoenix Hall of Byd-in, Japan, is completed in 1053.The Brihadeeswarar Temple of India is completed in 1010 during the reign of Rajaraja Chola I.The Fruttuaria of San Benigno Canavese, Italy is completed in 1007.The Kedareshwara Temple of Balligavi, India, is built in 1060 by the Western Chalukyas.Construction work begins in 1059 on the Parma Cathedral of Italy.The Saint Sophia Cathedral in Novgorod is completed in 1052, the oldest existent church in Russia.Construction begins on the Saint Sophia Cathedral in Kiev, Kievan Rus, in 1037.The Byzantine Greek Hosios Loukas monastery sees the completion of its Katholikon (main church), the earliest extant domed-octagon church from 1011 to 1012.The Lingxiao Pagoda of Zhengding, Hebei province, China, is built in 1045.The Pagoda of Fogong Temple of Shanxi province, China, is completed under the Liao dynasty in 1056.The Nikortsminda Cathedral of Georgia is completed in 1014.The Speyer Cathedral in Speyer, Germany is completed in 1061.The Chinese official Cai Xiang oversees the construction of the Wannan Bridge in Fujian.The Imam Ali Mosque in Iraq is rebuilt by Malik Shah I in 1086 after it was destroyed by fire.The Pizhi Pagoda of Lingyan Temple, Shandong, China is completed in 1063.Reconstruction of the San Liberatore a Maiella in Italy begins in 1080.Westminster Abbey, London, England, is completed in 1065.The Ananda Temple of the Myanmar ruler King Kyanzittha is completed in 1091.The Vn Miu, or Temple of Literature, in Vietnam is established in 1070.Construction of Richmond Castle in England begins in 1071.The tallest pagoda tower in China's pre-modern history, the Liàodi Pagoda, is completed in 1055, standing at a height of 84m (275ft).The Tower of Gombad-e Qabus in Iran is built in 1006.Construction begins on the Sassovivo Abbey of Foligno, Italy, in 1070.The Palace of Aljafera is built in Zaragoza, Spain, during the Al-Andalus period.The Rotonda di San Lorenzo is built in Mantua, Lombardy, Italy, during the late 11th century.Construction of the Ponte della Maddalena bridge in the Province of Lucca, Italy begins in 1080.The domes of the Jam Mosque of Isfahan, Iran are built in 1086 to 1087.11th century The courtyard of Jam Mosque of Isfahan, Isfahan, Persia (Iran), is built.The Chester Castle in England was built in 1069.Construction begins on the Bagrati Cathedral in Georgia in 1003.The St. Michael's Church, Hildesheim in Germany is completed in 1031.The Basilica of Sant'Abbondio of Lombardy, Italy is completed in 1095.Construction begins on the Great Zimbabwe National Monument, sometime in the century.Construction begins on the San Pietro in Vinculis in Pisa, Italy, in 1072.The Tower of London in England is founded in 1078.The St. Grigor's Church of Kecharis Monastery in Armenia is built in 1003.The Martin-du-Canigou monastery on Mount Canigou in southern France is built in 1009.The St. Mary's Cathedral, Hildesheim in Germany is completed in 1020.The One Pillar Pagoda in Hanoi, Vietnam, is constructed in 1049.The St Michael at the Northgate, Oxford's oldest building, is built in Saxo England in 1040.Oxford Castle in England is built in 1071.The Florence Baptistry in Florence, Italy is founded in 1059.The Kandariya Mahadeva temple in India is built in 1050.St Mark's Basilica in Venice, Italy is rebuilt in 1063.Canterbury Cathedral in Canterbury, England is completed by 1077.Construction begins on the Cathedral of Santiago de Compostela in Spain in 1075.Latin translation of the Book of Optics (1021), written by the Iraqi physicist, Ibn al-Haytham (Alhazen)Constantine the African examines patients' urine; he taught ancient Greek medicine and Islamic medicine at the Schola Medica Salernitana.The original diagram of Su Song's book Xin Yi Xiang Fa Yao (published 1092) showing the clepsydra tank, waterwheel, escapement mechanism, chain drive, striking clock jacks, and armillary sphere of his clock tower Diagram from al-Brm's book Kitab al-tafhim showing lunar phases and lunar eclipse The spherical astrolabe, long employed in medieval Islamic astronomy, was introduced to Europe by Gerbert d'Aurillac, later Pope Sylvester II.Main article: Timeline of historic inventions 11th centuryEarly 11th centuryFan Kuan paints Travelers among Mountains and Streams. Northern Song dynasty. It is now kept at National Palace Museum, Taipei, Taiwan (Republic of China).c. 1000 Abu al-Qasim al-Zahravi (Abulcasis) of al-Andalus publishes his influential 30-volume Arabic medical encyclopedia, the Al-Tasrif. 1000 Ibn Yunus of Egypt publishes his astronomical treatise Al-Zij al-Hakimi al-Kabir.c. 1000 Abu Sahl al-Qahi (Kuhjic). 1000 Abu-Mahmud al-Khujandic. 1000 Law of sines is discovered by Muslim mathematicians, but it is uncertain who discovers it first between Abu-Mahmud al-Khujandi, Abu Nasr Mansur, and Abu al-Wafa'.c. 1000 Amr ibn Ali al-Mawsili10001048 Ab Rayhn al-Brn of Persia writes more than a hundred books on many different topics.[15]10011100 the demands of the Chinese iron industry for charcoal led to a huge amount of deforestation, which was curbed when the Chinese discovered how to use bituminous coal in smelting cast iron and steel, thus sparing thousands of acres of prime timberland.[16]1003 Pope Sylvester II, born Gerbert d'Aurillac, dies; however, his teaching continued to influence those of the 11th century.[17] his works included a book on arithmetic, a study of the HinduArabic numeral system,[18] a hydraulic-powered organ,[19] the reintroduction of the abacus to Europe,[20] and a possible treatise on the astrolabe that was edited by Hermann of Reichenau five decades later. The contemporary monk Richer from Rheims described Gerbert's contributions in reintroducing the armillary sphere that was lost to European science after the Greco-Roman era; from Richer's description, Gerbert's placement of the tropics was nearly exact and his placement of the equator was exact.[21][22] He reintroduced the liberal arts education system of trivium and quadrivium, which he had borrowed from the educational institution of Islamic Crdoba.[23] Gerbert also studied and taught Islamic medicine.[24][25]1013 One of the Four Great Books of Song, the Prime Tortoise of the Record Bureau compiled by 1013 was the largest of the Song Chinese encyclopedias. Divided into 1000 volumes, it consisted of 9.4 million written Chinese characters.1020 Ibn Samh of Al-Andalus builds a geared mechanical astrolabe.1021 Ibn al-Haytham (Alhacen) of Basra, Iraq writes his influential Book of Optics from 1011 to 1021 (while he was under house arrest in Egypt),1024 The world's first paper-printed money can be traced back to the year 1024, in Sichuan province of Song dynasty China. The Chinese government would step in and overtake this trend, issuing the central government's official banknote in the 1120s.1025 Avicenna of Persia publishes his influential treatise, The Canon of Medicine, which remains the most influential medical text in both Islamic and Christian lands for over six centuries, and The Book of Healing, a scientific encyclopedia.1027 The Chinese engineer Yan Su recreates the mechanical compass-vehicle of the south-pointing chariot, first owned-ships holding cargo of up to 1600 tan (113 tons).[44]1094 The Chinese mechanical engineer and astronomer Su Song incorporates an escapement mechanism and the world's first known chain drive to operate the armillary sphere, the astronomical clock, and the striking clock jacks of his clock tower in Kaiheng.[45]The Ostromir Gospels of Novgorod, 10571000 The Remaining Signs of Past Centuries is written by Ab Rayhn al-Brn.c. 1000 The Al-Tasrif is written by the Andalusian physician and scientist Abu al-Qasim 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