

1,000 YEARS LIKE A DAY

A BIBLICAL CHRONOLOGY

THOUGHTS
ABOUT TIME

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Spiral galaxy M51, observed by the KITT PEAK giant telescope in Arizona

PREFACE

The following article was prompted by a discussion with scientists and theologians about the origins of life, mankind and the world (Castle Chraheim, 1998).

The culmination of this discussion concerned the fact that the temporal dimensions with regards to the age of mankind and the Earth contradicted each other by, on the one hand, several thousands of years (biblical message/creation) and, on the other hand, several billion years (theory of evolution).

The theory of evolution claims that all existence came into being by means of coincidence and “natural selection”, which implies an extremely large time span.

The Bible tells us that God created, for example, plants, animals and humankind within three days and that “With the Lord a day is like a thousand years, and a thousand years are like a day” (II Peter 3:8).

What should we make of these statements? What does the Bible tell us about the history of mankind?

Excavations made during the last century have confirmed almost all historical interpretations of the Bible; and with knowledge gained in recent years we are increasingly able to understand passages that we previously considered impenetrable.

The following is a chronological portrayal of mankind. The appendix contain scientific findings and further food for thought.

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A CHRONICLE OF MANKIND

The time charts on Pages 7, 8 and 9 display, in chronological order, persons and occurrences from the Bible⁽¹⁾, as well as events and historical figures from scientific historiography.

The fall of mankind and the banishment from the Garden of Eden has been adopted as the year “ZERO”; 130 years before the birth of Seth (Genesis 5:3).

All biblical time data can be found in the specified place in the Bible, and can be added up together from “ZERO” to the Exodus of the Israelites out of Egypt, to give us a total 2,730 years of history.

Further chronological time data were not found in the Bible. Not until our Common Era time reckoning (in relation to Jesus Christ), and our historiography, is it possible to attain an holistic overview of the chronology.

Continued calculation is possible because, according to scholars and our own historiography, the Exodus of the Israelites out of Egypt occurred during the reign of the Egyptian Pharaoh Ramses II: 1279 - 1213 B.C.

Why is a 7,000 year-'week' depicted for the age of the 'world' (page 7)?

According to the repeated assertion of the Holy Scriptures (God's Word), this age has an end. As we will see, a great deal of evidence points to a 7 x 1,000 year-'week'.

Regarding the method of counting the days of the week: since very early times, the days of the week have been counted from 1 to 7. In keeping with the example set by God, the 7th day of the week was a day of rest (Sabbath). Jesus Christ and all other Christians (until 321 A.D.) have kept up this 7th day of the week!

On 7.3.321 A.D. Emperor Constantine the Great first introduced Sunday (1st day of the week) in honour of the sun-god Sol as a day of rest for his people.

The religious organisation founded by Emperor Constantine waited 4 years before adopting, at the Council of Laodizea², Constantine's Sunday and, according to records, changed the “sanctity of the Sabbath“ (7th day of the week) to the 1st day of the week (Sunday).

(Exodus 20:8-11/Isaiah 56:1-8/Ezekiel 22:26/Matthew 15:9/Luke 23:56)

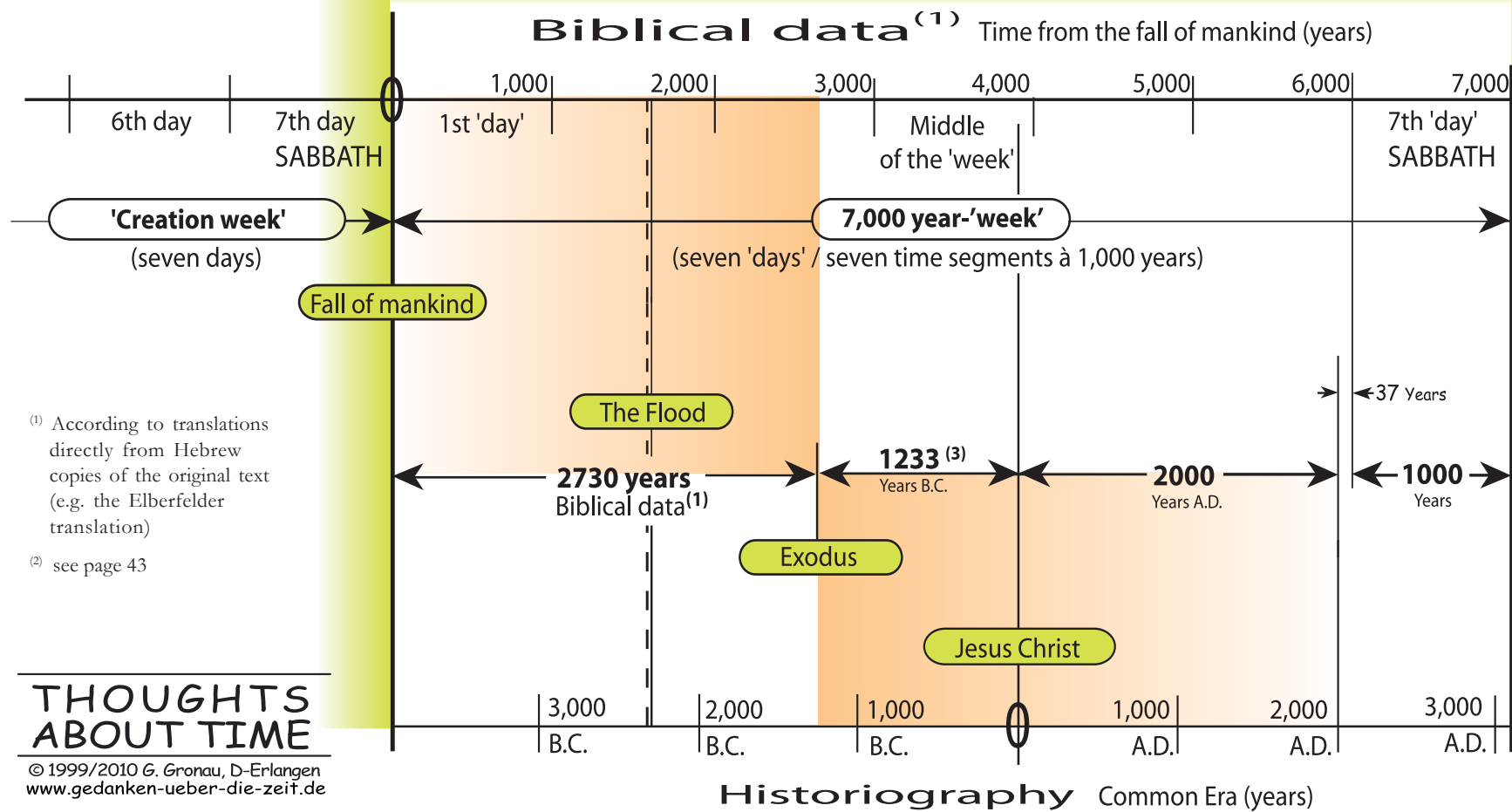
⁽²⁾ Laodizea; means democracy (power to the people). God and his Word are not determining, but the interpretation given to God's Word by the religious organisations. Many topics are not influenced by God and his Word (Holy Scriptures), but by human beings. Religious guidelines are decided upon by humans in religions organisations.

Laodizea; a city in Phrygia (Asia Minor). We can read Christ's revelation to John (and to us) in “To the angel of the church in Laodizea“, Revelations 3:14-22.

⁽¹⁾ According to direct translations from Hebrew copies of the original text (e.g. the Elberfelder translation).

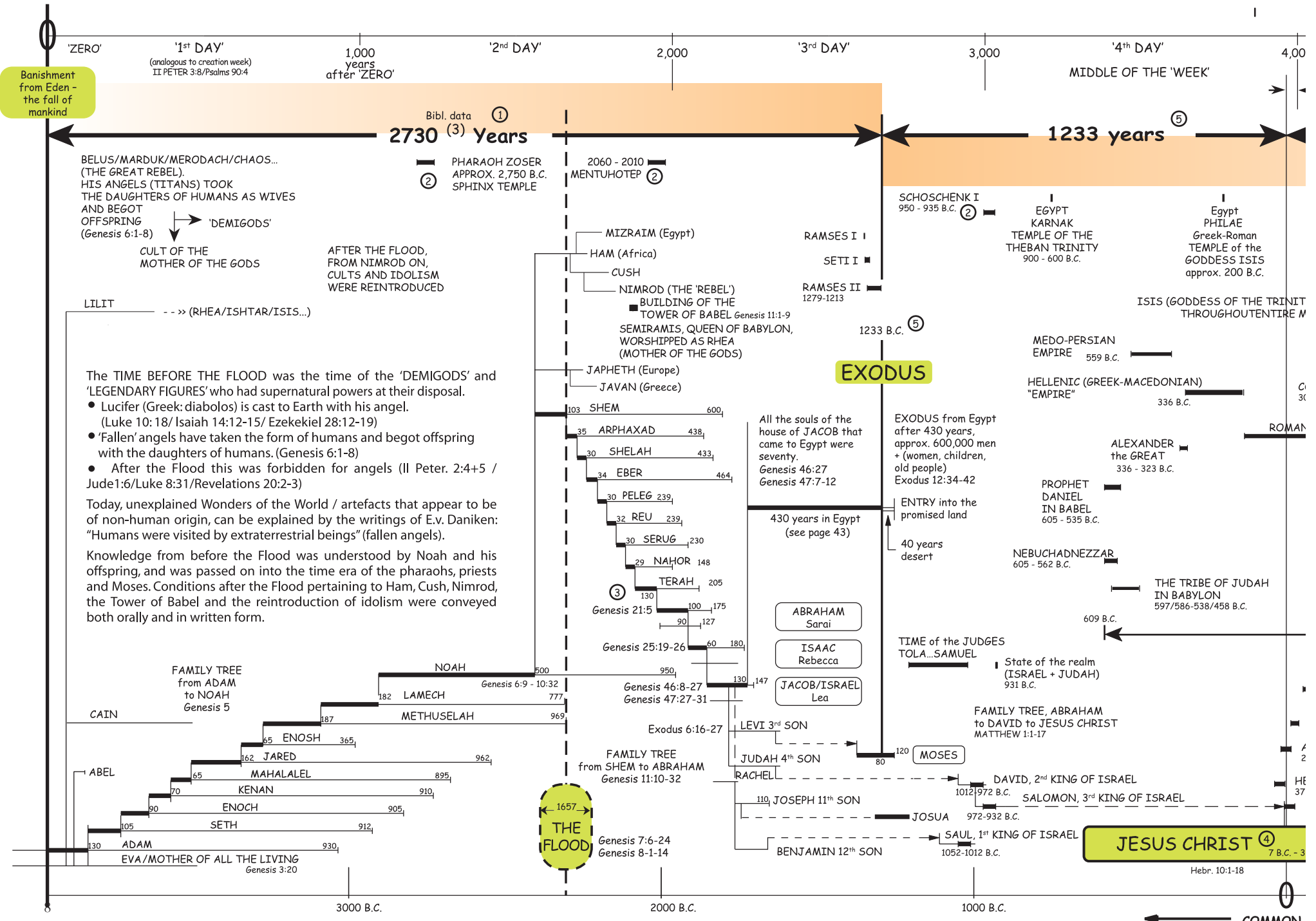
1,000 YEARS LIKE A DAY

But from everlasting to everlasting the LORD'S love is with those who fear him [take him seriously].
Psalm 103:17



⁽¹⁾ According to translations directly from Hebrew copies of the original text (e.g. the Elberfelder translation)

⁽²⁾ see page 43



BELUS/MARDUK/MERODACH/CHAOS... (THE GREAT REBEL). HIS ANGELS (TITANS) TOOK THE DAUGHTERS OF HUMANS AS WIVES AND BEGOT OFFSPRING (Genesis 6:1-8)

'DEMIGODS'

CULT OF THE MOTHER OF THE GODS

AFTER THE FLOOD, FROM NIMROD ON, CULTS AND IDOLISM WERE REINTRODUCED

The TIME BEFORE THE FLOOD was the time of the 'DEMIGODS' and 'LEGENDARY FIGURES' who had supernatural powers at their disposal.

- Lucifer (Greek: diabolos) is cast to Earth with his angel. (Luke 10: 18/ Isaiah 14:12-15/ Ezekekiel 28:12-19)
- 'Fallen' angels have taken the form of humans and begot offspring with the daughters of humans. (Genesis 6:1-8)
- After the Flood this was forbidden for angels (II Peter. 2:4+5 / Jude 1:6/Luke 8:31/Revelations 20:2-3)

Today, unexplained Wonders of the World / artefacts that appear to be of non-human origin, can be explained by the writings of E.v. Daniken: "Humans were visited by extraterrestrial beings" (fallen angels).

Knowledge from before the Flood was understood by Noah and his offspring, and was passed on into the time era of the pharaohs, priests and Moses. Conditions after the Flood pertaining to Ham, Cush, Nimrod, the Tower of Babel and the reintroduction of idolism were conveyed both orally and in written form.

FAMILY TREE from ADAM to NOAH Genesis 5

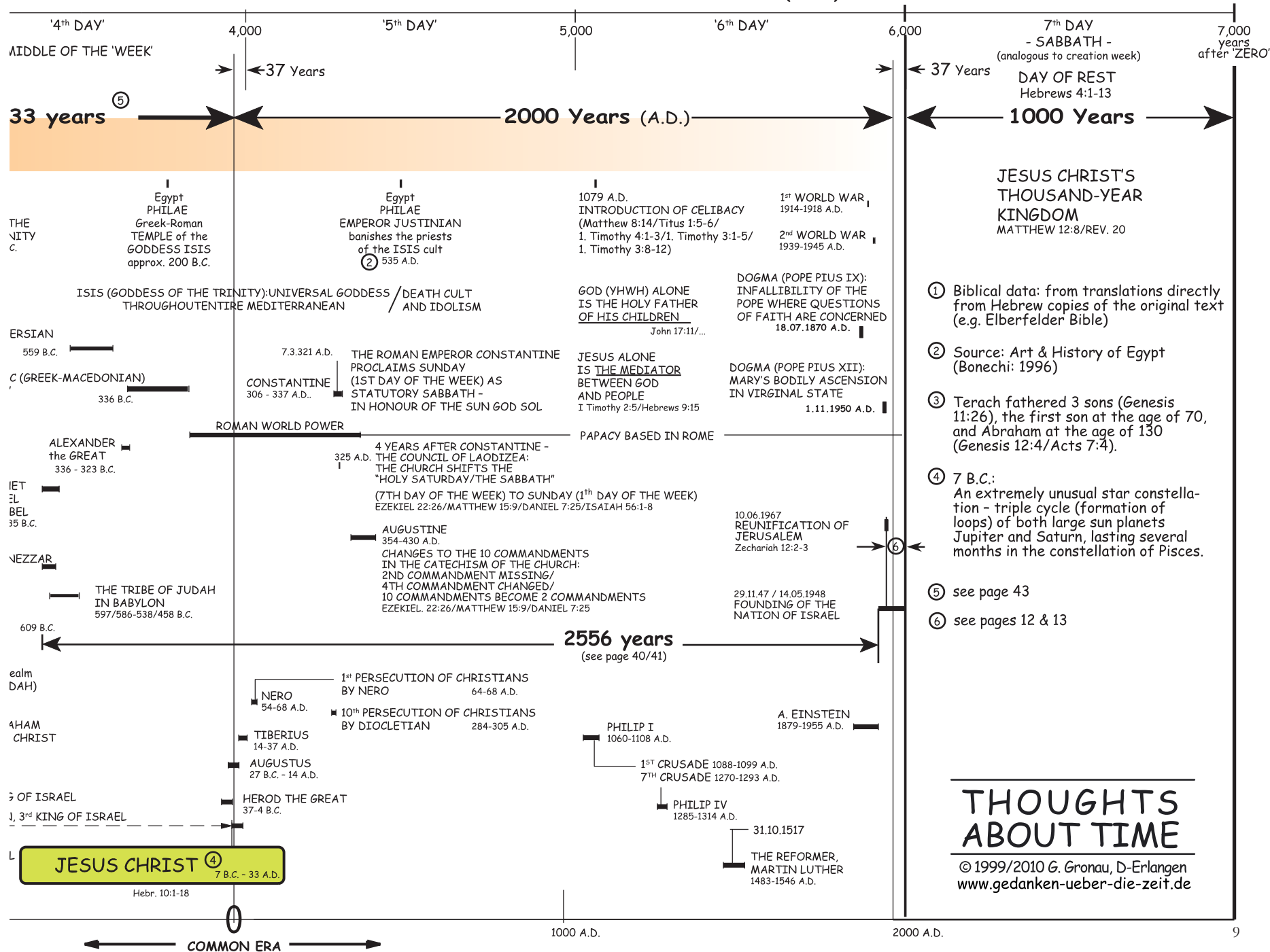
FAMILY TREE from SHEM to ABRAHAM Genesis 11:10-32

FAMILY TREE, ABRAHAM to DAVID to JESUS CHRIST MATTHEW 1:1-17

JESUS CHRIST (④) 7 B.C. - 3

Hebr. 10:1-18

BIBLICAL CALCULATION OF TIME AFTER THE FALL OF MANKIND (YEARS)



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'TIME SPIRAL' 6,000 YEARS AND MORE

The simplified chart (two-dimensional) on Page 11 is intended to illustrate the course of the “bent space-time” (four-dimensional). It shows a “time spiral” upon which our solar system moves sideways in the X direction, as if upon a spiral arm. The days of creation (X01 to X07) and each 1,000 years (X1 to X7) have been entered into this “bent space-time”, together with the corresponding Bible passages.

This clearly illustrates what is meant by the Bible passage “With the Lord [YHWH] a day is like a thousand years, and a thousand years are like a day.” (II Peter 3:8 / Psalms 90:4).

It does not say that a day is equal to 1,000 years. Furthermore, nowhere in the Bible is it written that any day before the fall of mankind was equal to 24 hours of our time system.

This would suggest that there was no notion of time (as we define it) before the fall of mankind.⁽¹⁾

However, after the fall of mankind, the stipulations are of more significance to our current notion of time:

The specification of a 7-day week (Genesis 1:2b-2:3) allows us to view the history of mankind and our lives as a chronological whole.

The analogy “a day is like a thousand years, and a thousand years are like a day” allows us to perceive the time period after the fall of mankind as one “week”.⁽²⁾

Therefore, Jesus Christ’s 1,000-year kingdom (Revelations 20) “will begin after 6,000 years (six “days”) have passed, and is the day of rest” as prophesied in Hebrews 4:1-13 (7th day of the “week”).⁽²⁾

The time segment in which we are now living, when Jesus Christ will judge the “godless world”, can also be identified.

The following illustration (p.11) shows this time segment at the end of the 6th millennium (X6) as “End Time”.⁽³⁾

This is then commented upon on Pages 12 and 13.

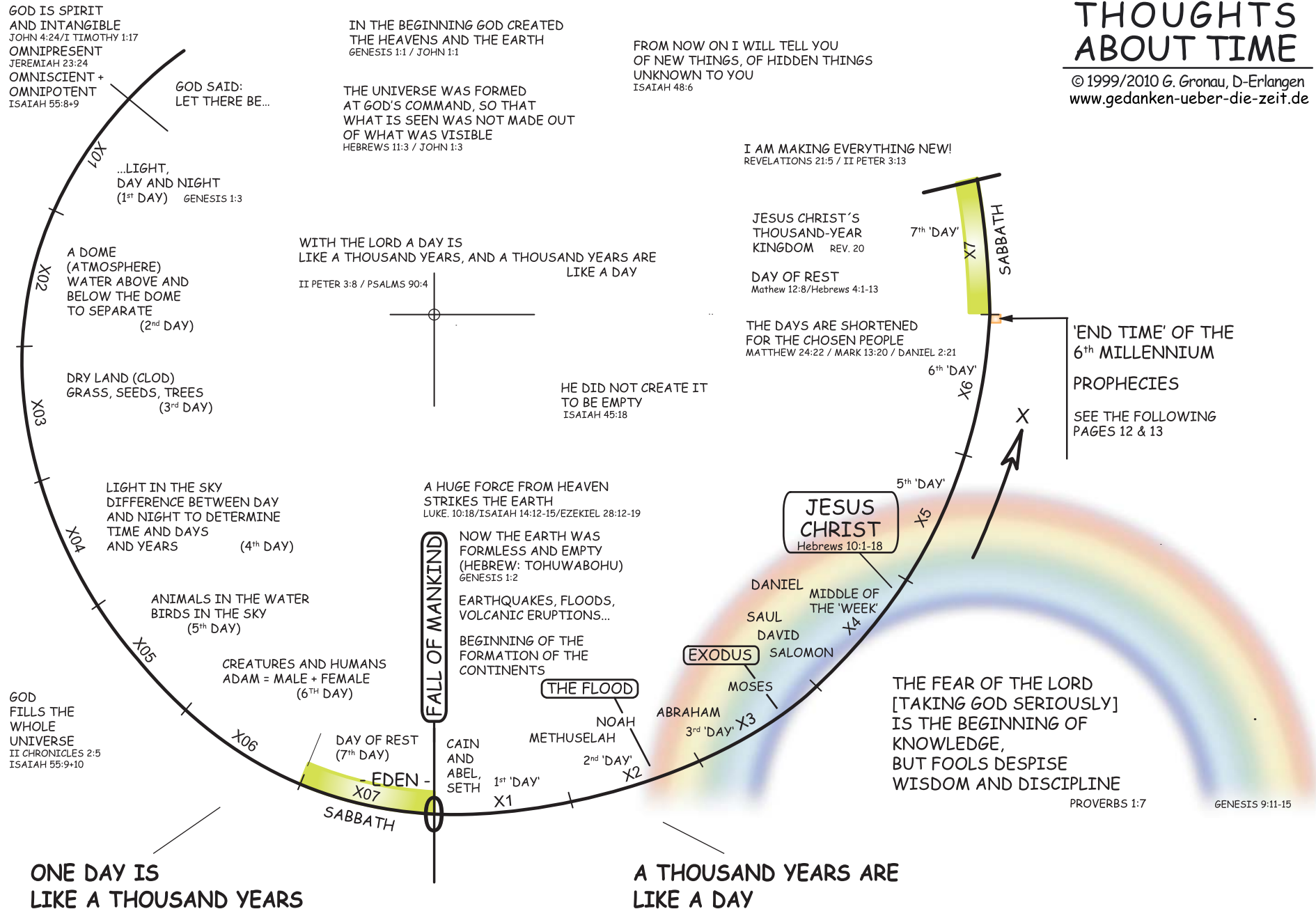
⁽¹⁾ Many contemporary scientists speculate that, in “grey antiquity”, physical constants (including the speed of light and, thus, the concept of time) must have had other values.

⁽²⁾ See Page 11 (“time spiral”) and Pages 7 ff. (A Chronicle of Mankind).

⁽³⁾ 'End time' is always the present day, as nobody can know when he or she will be called.

THOUGHTS ABOUT TIME

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THE PROPHETIC 70 YEAR-'WEEK' (CONCEIVABLE INTERPRETATION)

The prophetic 70 year-'week' (Daniel 9:24-25) is related to the apocalyptic occurrences prophesized by Jesus Christ about 2,000 years ago (Matthew 24).

This relates to a very significant historical occurrence:

1. after the UNO General Assembly resolved on 29.11.1947 upon the division of Palestine into a Jewish and Arab state, on **15.5.1948**⁽¹⁾, David Ben Gurion was able to announce the founding of the Jewish state of Israel.

This heralded the official beginning of what many prophets had predicted: **the return from all over the world of the Jewish people to their land.**

Just a few hours after the announcement, the new state of Israel was attacked by Syria, Lebanon, Iraq, Jordan and Egypt. The Jews were to be cast into the sea and killed. It was a miracle, that Israel survived this struggle for life!

Since the date, 15.5.1948, Israel has been attacked continually, but cannot be defeated.

2. **On 10.6.1967**⁽²⁾, after an unbelievably short six days of war, **Israel regained the „holy city“: Jerusalem.**

Once again, it was a miracle that Israel won the fight against a largely superior force – winning large amounts of land in the process.

Now the Jews are able to rebuild Jerusalem again.

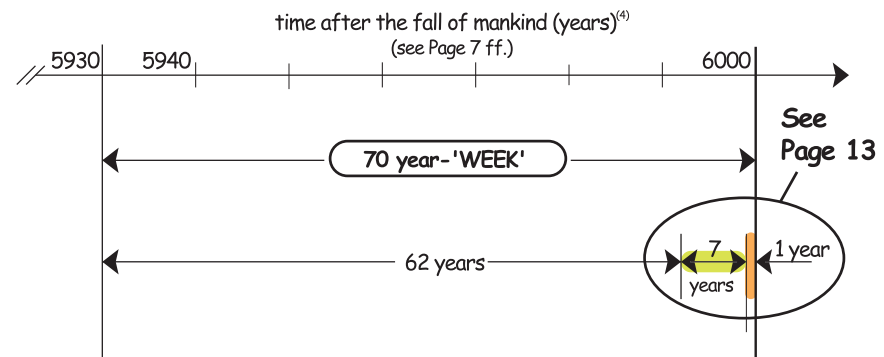
⁽¹⁾ see page 40/41 (the times of the gentiles over the jewish people)

⁽²⁾ beginning of the 70 year-'week' - The various time calculations/calendars and the biblical/Jewish time calculations make it impossible to determine the month/day of the end of the 70 year-'week' using our present-day time calculation. (see also Mathew 24,22)

Daniel 9:24-25⁽³⁾:

Seventy (times)⁽⁴⁾; Seven (a week), are decreed for your people and your holy city to finish transgression, to put an end to sin, to atone for wickedness, to bring in everlasting righteousness, to seal up vision and prophecy and to anoint the most holy.

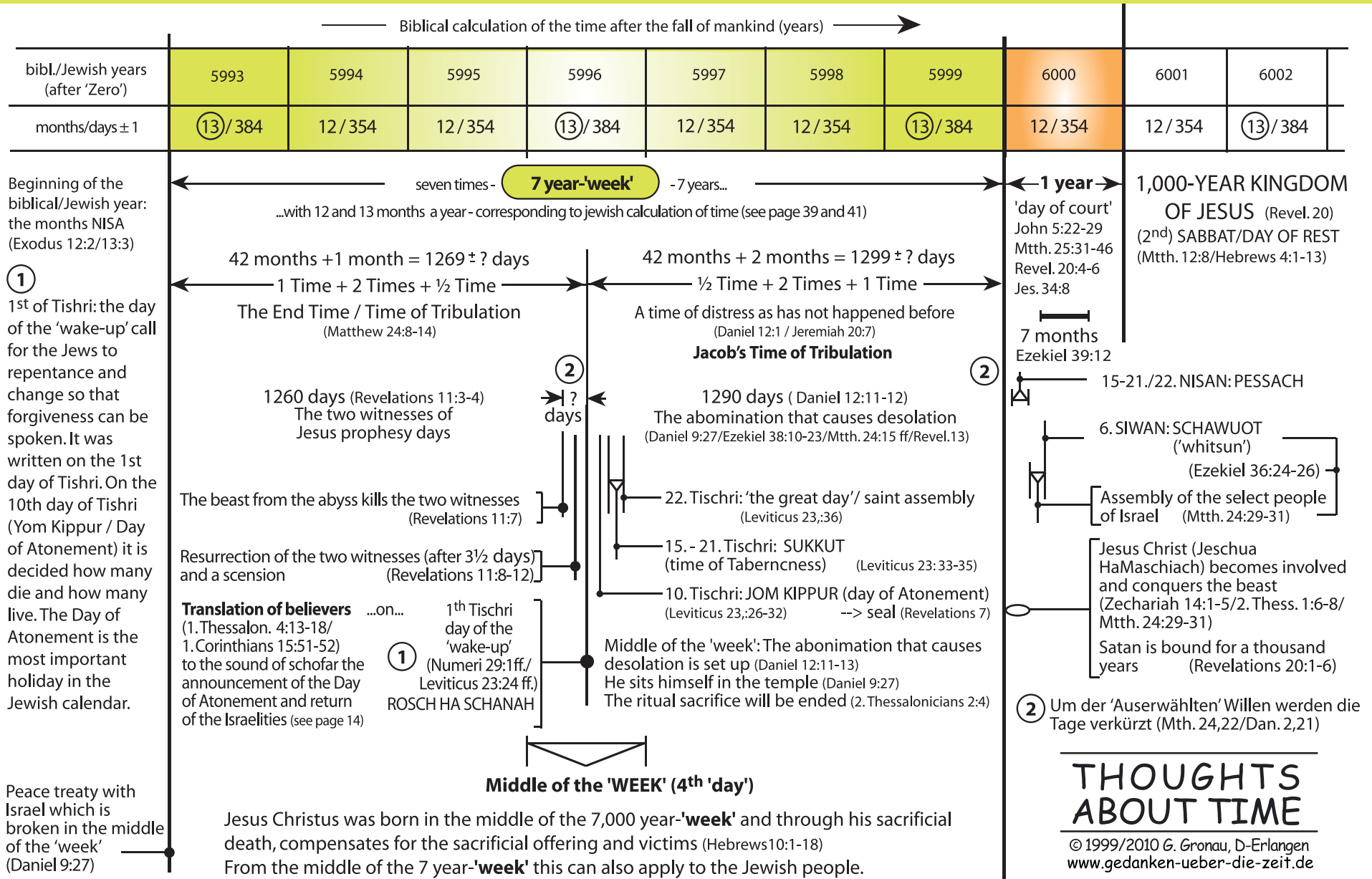
So know and pay attention: From the time when the world is issued, it will be sixty-two (times)⁽⁴⁾ until Jerusalem is rebuild, with places and graves, even in grief-stricken times, (and) until an anointed One, a prince, comes, it will be (another) Seven (times) ⁽⁴⁾.



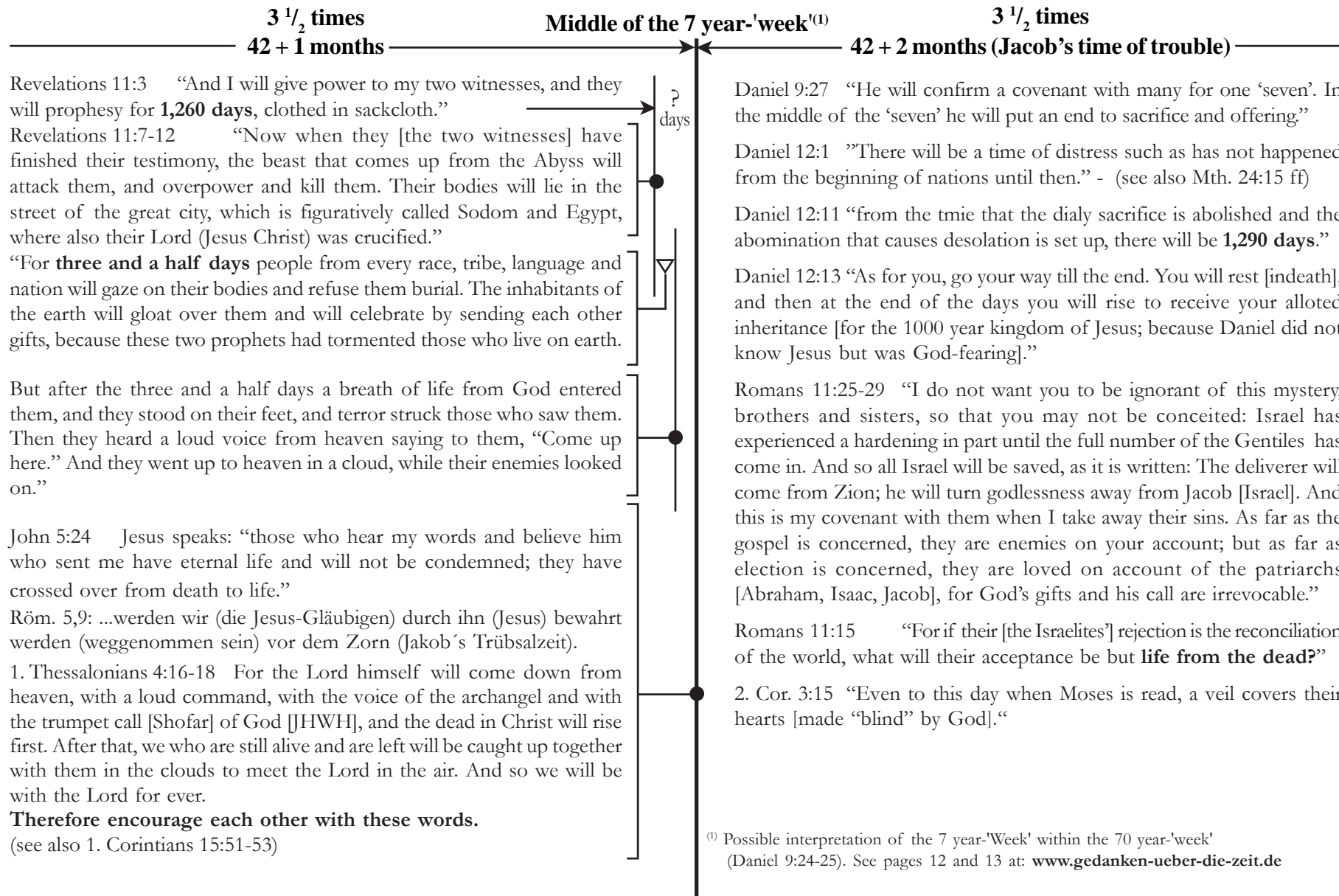
⁽³⁾ directly from Hebrew - see footnote ⁽²⁾ on page 17

⁽⁴⁾ years with 12 and 13 months; corresponding to biblical-Jewish calculation of time (see pages 39 and 41)

THE PROPHETIC 7 YEAR-'WEEK' (CONCEIVABLE INTERPRETATION)



TRANSLATION



AT THE END OF THE SIXTH 'DAY'

In which year of our Common Era time reckoning does the 6th millennium of the Biblical chronology end?⁽¹⁾

1. If we compare Egypt's history with the history of the Bible, we see the Exodus as occurring around 1,233 B.C. (see page 42 and 43); the year 2,037 A.D. is the final year of the 6th millenium (see page 9).

2. Using a possible interpretation of the 70 year- 'week' (see page 12 and 13), one comes to the conclusion that the year 2,037 A.D. is the final year of the 6th millenium (see Page 9).

3. According to an approximately 870 year-old prophecy by Malachias⁽²⁾, which makes reference to the Popes (names, sequence, characteristics), the biblically prophesied end of the 6th millennium is also very near at hand:

(110.) Pope De Labore solis (the Pope of the Toil/[eclipse] of the Sun). This was Pope Karol Wojtyla (*11.5.1920 † 2.4.2005), who named himself John Paul II. It was during his reign as Pope (1978 – 2.4.2005) that the world witnessed the so-called “eclipse of the century” (11.8.1999). The next major eclipse of the sun will occur around 2081.

⁽¹⁾ Matthew 24:36: “No-one knows about that **day** or **hour** [...] [...]”

- The various time calculations/calendars and the biblical/Jewish time calculations make it impossible to determine the month/day of the end of the 70 year-“week” using our present-day time calenlation.

(see also Mathew 24,22)

I. Peter 1:5: “[...] Who through faith are shielded by God's power until the coming of the salvation that is ready to be revealed in the last time.” (see also Daniel 12: 9-10)

⁽²⁾ Malachias (*1094 †1148); Cistercian monk and Archbishop of Armagh in Ireland: prophecies, 1140-1144

(111.) Pope De gloria olivae (Pope of the Glorious Olive).

This is the current Pope, the German Josef Ratzinger (*16.4.1927), who named himself Benedict XVI (term of office: April 2005 until...). The 1933 transcription records/suggests that, under this Pope, ENOCH and ELIJAH will appear in Jerusalem and stand witness for the Lord (Jesus Christ). They are called “the two olive trees”. (Revelations 11:3-14)

As the current Pope is already relatively old, it will probably not be long until the prophesied event occurs.

(112.) Pope Petrus⁽³⁾ Romanus (Pope Peter of Rome)

Will he be Italian, from Rome?

According to St. Malachy, he will be the last ever Pope.

The 1933 transcription states that he will carry out his term of office among much suffering, during the last days of persecution – whereupon the seven-hilled city will be destroyed and the Last Judgement will take place.

⁽³⁾Until now, no Pope has been allowed to contravene the unwritten papal law of not taking the name “Peter”, something Malachy probably knew.

FROM THE BEGINNING TO THE PRESENT DAY

In the beginning God created the heavens and the earth.

(Genesis 1:1)

According to a footnote to the Bible translation by Martin Luther, the above sentence is the “**sweeping summary of the history of creation**”; with its great brevity it is of immeasurable significance for faith.”

This “heading” (Genesis 1:1) contains the creation of the entire universe, including the creation week (Genesis 1:2b-2:3) – **right up until the fall of man**.

Now the earth was⁽¹⁾ [is]⁽²⁾ formless and empty
[Hebrew: tohuwabohu] *(Genesis 1:2a)*

The second sentence of the Bible describes the state of the earth **after the fall of mankind – up until the present day**.

(1)

Directly translated from Hebrew copies of the original text (e.g. the Elberfelder translation).

(2)

The tendency to apply our grammatical time system (past, present and future) to Hebrew is understandable, but not adequate and can lead to serious misunderstandings...

The Hebrew language has no verbal form to represent the time of an occurrence. The “perfect” usually signifies that the action has been completed; the “imperfect” as incomplete.

Interlinear translation, Hebrew to German; Old Testament, Volume 1, Hänssler Verlag, 1989, p. XIII

Many readers of the Bible, including theologians, see Genesis 1:2a as the connection to the six days of God’s work (Genesis 1:2b-31) and believe that God initially created a formless, empty world, before He put it in order and made it habitable.

However, the Bible consistently stresses that God does not make imperfect things.

It would be very unusual if between all the meaningful, powerful statements were to be found something as banal as “The earth wasn’t quite finished.”

Furthermore, the following sentence (Genesis 1:2b) states that the Spirit of God was hovering over the waters; and not over an empty earth.⁽³⁾ The dry “clod” (Job 38:38) is apparent until the third day raised up out of the waters (Genesis 1:9). The Bible also tells us: “He did not create it to be empty (tohuwabohu), but formed it to be inhabited” (Isaiah 45:18).

It was not until after the fall of mankind that, before God’s eyes, the Earth was filled with corruption and violence (tohuwabohu).⁽⁴⁾

After this summary of “becoming” from the beginning to the present day in just two sentences (Genesis 1:1+2a), particular emphasis is placed upon the description that focuses on the Earth (Genesis 1:2b-31). The “six days” illustrates in detail how God prepared the Earth to make it inhabitable for mankind.

⁽³⁾You covered it with the deep as with a garment; the waters stood above the mountains. (Psalm 104:6)

⁽⁴⁾Genesis 6:10-11; the effect of the fall of mankind see page 20

THE SIX DAYS OF GOD'S CREATION (GENESIS 1:2B-31)

THE FIRST DAY

Darkness was over the surface of the deep, and the Spirit of God was hovering over the waters. God saw that the light was good, and he separated the light from the darkness. God called the light "day", and the darkness he called "night". And there was evening and there was morning – the first day.

THE SECOND DAY

And God said, "Let there be an expanse between the waters to separate water from water." So God made the expanse and separated the water under the expanse from the water above it. And it was so. God called the expanse "sky". And there was evening, and there was morning – the second day.

THE THIRD DAY

And God said "Let the water under the sky be gathered to one place, and let dry ground appear." And it was so. God called the dry ground "land", and the gathered waters he called "sea". And God saw that it was good. Then God said, "Let the land produce vegetation: seed-bearing plants and trees on the land that bear fruit with seed in it, according to their various kinds." And it was so. The land produced vegetation: plants bearing seeds according to their kinds and trees bearing fruit with seed in it according to their kinds. And God saw that it was good. And there was evening, and there was morning – the third day.

THE FOURTH DAY

And God said, "Let there be lights in the expanse of the sky to separate the day from the night, and let them serve as signs to mark seasons and days and years, and let them be lights in the expanse of the sky to give light on the earth." And it was so. God made two great lights – the greater light to govern the day and the lesser light to govern the night. He also made the stars. God set them in the expanse of the sky to give light on the earth, to govern the day and the night, and to separate light from darkness. And God saw that it was good. And there was evening, and there was morning – the fourth day.

THE FIFTH DAY

And God said, "Let the water teem with living creatures, and let birds fly above the earth across the expanse of the sky." So God created the great creatures of the sea and every living and moving thing with which the water teems, according to their kinds, and every winged bird according to its kind. And God saw that it was good. God blessed them and said, "Be fruitful and increase in number and fill the water in the seas, and let the birds increase on the earth." And there was evening and there was morning – the fifth day.

THE SIXTH DAY

And God said, "Let the land produce living creatures according to their kinds: livestock, creatures that move along the ground, and wild animals, each according to its kind." And it was so. God made the wild animals according to their kinds, the livestock according to their kinds, and all the creatures that move along the ground, each according to its kind. And God saw that it was good. Then God said "Let us make human beings in our image, in our likeness, and let them rule over the fish of the sea and the birds of the air, over the livestock, over all the earth, and over all the creatures that move along the ground." So God created human beings in his own image, in the image of God he created them; male and female he created them. God blessed them and said to them, "Be fruitful and increase in number; fill the earth and subdue it. Rule over the fish of the sea and the birds of the air and over every living creature that moves on the ground." Then God said, "I give you every seed-bearing plant on the face of the whole earth and every tree that has fruit with seed in it. They will be yours for food. And to all the beasts of the earth and all the birds of the air and all the creatures that move on the ground – everything that has the breath of life in it – I give every green plant for food." And it was so. God saw all that he had made, and it was very good. And there was evening, and there was morning – the sixth day.

THE SEVENTH DAY

THE SEVENTH DAY

Thus the heavens and the earth were completed in all their vast array. By the seventh day God had finished the work he had been doing; so on the seventh day he rested from all his work. And God blessed the seventh day and made it holy, because on it he rested from all the work of creating that he had done. (Genesis 2:1-3)

When did the seventh day end?

Many readers of the Bible, including theologians, believe that this "day" still continues. This clearly contradicts the Bible and the logic of its sequence.⁽¹⁾

It ignores the fact that this seventh day was a Sabbath day (day of rest), blessed by God – a perfect world! Do we then live in a perfect world?

Paradise, the perfect world, came to its inevitable end with the fall of mankind (Genesis 3:1 & Genesis 6:10-11)!

Since then, humankind has no longer been living in the Garden of Eden.

⁽¹⁾ See also Hebrews 4:1-13 (the still to come 2nd day of rest)

THE EFFECT OF THE FALL OF MANKIND

After the fall of mankind, Adam ceded his power over the earth (Genesis 1:28) to Lucifer, the fallen archangel. Ever since, this cast down “morning star” (Isaiah 14:12-15) is the “prince of this world” (John 12:31 & 16:11) and “ruler of the kingdom of the air” (Ephesians 2:2).

Nevertheless, God’s road to salvation for humanity still commenced: God prevented mankind from eating from the tree of life and, thus, living life in every time, godless state of sin. God will save all those that turn to him (YHWH) and take Jesus Christ (Hebrew: Jeschua HaMaschiach) as their personal saviour and redeemer.

Jesus arrived on earth from heavenly perfection in human form, and will be (was is) the only human without sin (Romans 3:23/ Ecclesiastes 7:20/Isaiah 64:5/Romans 3:10/James 2:10/1. John 1:8). He will be (was is) the only “sacrifice” acceptable to God, through whom the people can be freed of sin and death (Eph. 1:7/ Kol. 1:14/Kol. 2:13/Hebr. 10:1-18); the only mediator between God and man (1. Timothy 2:5/Hebrews 9:15 John 14:6).

“Everyone who calls on the name of the Lord will be saved” (Joel 3:5/Acts 2:21/Romans 10:13).

“For by him all things were created: [...]. He is before all things, and in him all things hold together” (Colossians 1:16-17).

According to Genesis 6:10-11, after the fall of mankind, before the eyes of God, the Earth was filled with corruption and violence. The cause of this situation can be found in the following Bible passages:

This is what the Sovereign Lord says [to Lucifer]: “You were the model of perfection, full of wisdom and perfect in beauty. You were in Eden, the garden of God [the “day of rest” in the “creation week”]; [...] You were blameless in your ways from the day you were created till wickedness was found in you. [...] So I drove you in disgrace from the mount of God.”
Ezekiel 28:12-19

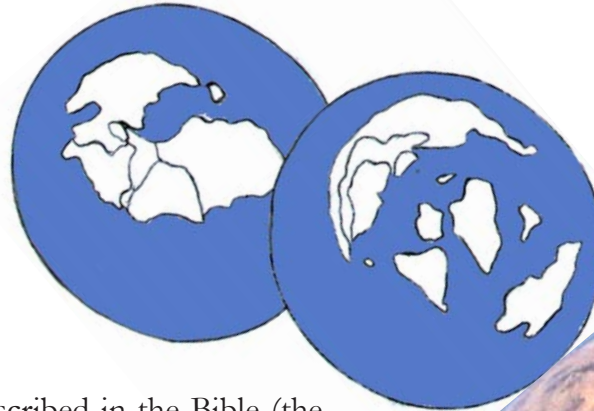
How you have fallen from heaven, O morning star, [...] You have been cast down to the earth [...].
Isaiah 14: 12 – 15

[Jesus said] “I saw Satan fall like lightning from heaven.” Luke 10:18

If Lucifer and his angels are spirits (energy), we can imagine how this “lightning from heaven” would have had a massive impact as it fell upon the clod of earth (see: Job 38:38).⁽¹⁾ This occurrence permits the conclusion that complete devastation (tohuwabohu) with catastrophes such as volcanic eruptions, darkness, floods, tsunamis and the disintegration of the plant and animal world would result. The point in time that contemporary scientists mean when they claim there was a reversal of polarity of the earth’s magnetic field and a sudden ice-age, during which, for example, the Mammoth found in Siberia was instantly deep-frozen.

⁽¹⁾ According to Albert Einstein (physicist, *1879, †1955), $E = mc^2$; E = energy, m = mass, c = speed of light. This would mean that the effect would be equally big if Lucifer and his angels crashed to the earth as matter, as extinguished “morning stars”.

The damage to the past continent (Job 38:38 - the clods of earth stick together) would later lead to the continental drift.



It also appears as if the huge animals described in the Bible (the behemoth (Job 40:15) and the leviathan (Job 41:1...)) are identical to the dinosaur (dragon) and the recently discovered giant crocodile; and as if these were condemned to extinction due to the Flood.

In Niger, scientist Paul Sereno of Chicago University discovered the remains of the largest crocodile ever to have lived. Some fragments had been found as early as 1964. However, exact reconstruction only became possible with Paul Sereno's discovery. The skull of the giant reptile alone measured two metres; at a total length of 11 to 12 metres, the crocodile was as long as a bus and probably weighed about 8 tons. Still, at an age of around 40 years old, this crocodile had not even attained its full size. According to the scientists, this would have taken another 20 years.

Spektrum der Wissenschaft 12/ 2001



VIEWPOINTS AND OPINIONS

The following diagram is intended to illustrate how we may expand the “flatness” of our knowledge.

The persons standing at A and B can only think in one dimension. They are viewing one and the same object from an orthogonal direction. Person A sees a rectangular object, whereas Person B sees a circular object.

Situation 1: both A and B are so convinced of what they see from their viewpoint that each contradicts the other; they argue and depart in frustration.

The situation worsens when a third person (C) also claims that the object is rectangular. The “outsider” who sees the circular object immediately becomes the “odd one out”.

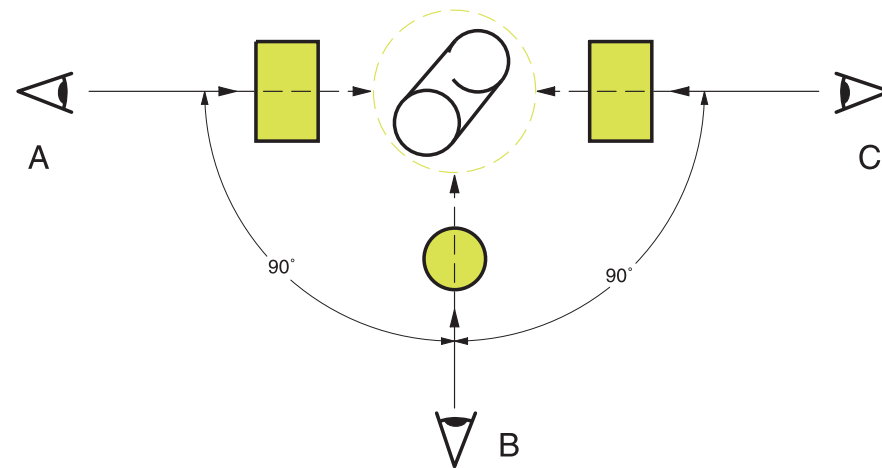
Situation 2: the persons involved take each other seriously and attempt to understand the thought processes of the other; they listen carefully and show interest, look at the object from the other’s viewpoint, and acknowledge that the other is also in the right.

In this example, knowledge is not only expanded in a linear direction. Out of the “flat” knowledge of each individual develops the common recognition of a new dimension.

In this case, the persons discover that they are looking at an object that has a third dimension and can be described as a cylinder. Its projection in the two-dimensional world means that it can be described in two ways, depending upon the viewpoint. We three-dimensional beings are faced with a similar

situation regarding light. Light can only be described by means of two more or less contradictory models.

Scholars argued this incongruity for a considerable time, before they simply accepted it as fact (see Page 23).



For we know in part and we prophesy in part, but when perfection comes, the imperfect disappears. When I was a child, I talked like a child, I thought like a child. When I became an adult, I put childish ways behind me. Now we see but a poor reflection as in a mirror; then we shall see face to face. Now I know in part; then I shall know fully, even as I am fully known.

(I Corinthians 13:9-13)

LIGHT; ENERGY - MATTER

Only since about one hundred years have we known that light is a beam of energy, a so-called electromagnetic wave. Some earlier physicists claimed light is something completely different, a stream of miniscule, spherical particles known as photons.

According to modern physics, these two descriptions of light are so contradictory as to cancel each other out completely: a wave transports matterless energy through space, a stream of particles transports inert matter. Regular arguments about this were common until Albert Einstein's duality principle claimed: LIGHT is made of both – energy and matter.

Depending upon the method of viewing, it shows us one or other characteristic. The compatibility of the seemingly incompatible becomes a principle. Is this perhaps the solution?

Energy – Matter

The microcosm of quantum mechanics is a hive of phenomena that appear to be paradox. This is due to the principle of complementarity, also known as wave-particle duality: a microscopic object – a photon, atom or electron – can behave like a wave one moment, a discreet particle the next. Only both modes of behaviour combine to allow a complete description of the object. Both measurable states (energy or matter; wave or corpuscle) are not, therefore, fundamentally static states. These are only brought about at the “moment” of “action” that the

observer effects through his or her “participating observation”. Even today, the connection between cause and effect cannot be explained. This phenomena – that a person can bring about one state or another (energy or matter), according to “viewpoint” – is only possible in a microcosm, where an active person is approximately 10^{10} times larger than his/her counterpart, the atom.

Is it then inconceivable, that an “observer” of the size of our solar system (approximately 10^{11} times larger than a human) can perceive a human as energy on the one hand, and as matter on the other, depending on his/her “viewpoint”?

If there really is a god that devised and created the universe, then, depending on his/her size and power, this god must be able to do this. As the Bible tells us, God is spirit (John 4:24) and omnipresent (Jeremiah 23:24), whereas we humans are bound by matter and location. Furthermore, God is omnipotent and omniscient (Isaiah 55:8-10), whereby we humans can only comprehend piecemeal (I Corinthians 13:9-13). That the dying Jesus Christ alternated several times between spirit (energy) and matter (human) was witnessed by many people. (Acts 1:9-11, Mark 16:9-20, Luke 24:36-53, John 20:16 etc.)

OBSERVATIONS THAT INDICATE A BEGINNING

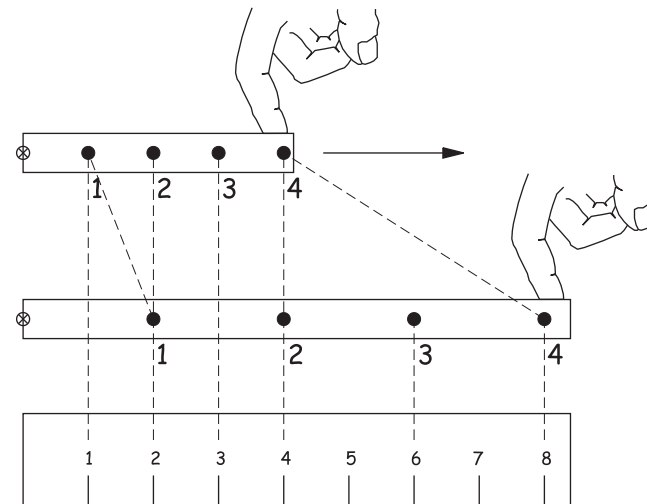
Every star that can be observed with the naked eye is to be found in the Milky Way. Up until about 1,900 A.C., this was believed to be the only galaxy in existence. However, observations with larger telescopes have proven this to be wrong. As far as we now know, around one hundred billion galaxies exist, each of which contains billions of stars similar to our own sun. However, it was not the incredible amount of huge galaxies that caused such a stir in scientific circles during the 1920s, it was the knowledge that they are all moving.

Our milky way system is a spiral-disc galaxy. Its diameter is approximately 100,000 light years and the maximum thickness at the centre is approximately 16,000 light years. It contains an estimated 100 billion stars (suns). Our solar system is approximately 30,000 light years away from the centre. As the speed of light is 299,792,458 m/s, light travels a distance of 9.46 billion kilometres in one year.

The expansion of the universe

In 1929, astronomer Edwin Powell Hubble discovered something curious: if one breaks down the light from far-off galaxies into its spectrum (e.g. with a glass prism), the further away a galaxy is, the more the distinctive spectral lines are shifted into the red (long wave) range of the light spectrum; according to the Doppler effect, this means the galaxy is rapidly moving away.

The expansion of the universe as demonstrated using the rubber-band model



This rubber-band model clearly illustrates that the dots, spaced 1cm apart, travel different distances in the same amount of time. If Dot 1 travels one centimetre in the time unit, the outer Dot 4 travels four centimetres in the same amount of time. This also means: Dots 1 and 4 cover identical distances in the same amount of time at different speeds. The outer Dot 4 moves four times faster than Dot 1.

The further away a galaxy is, the faster it appears to be moving away from the Earth. This suggests that the universe is expanding. In 1995 scientists witnessed the strange behaviour of a very distant star (SN 1995K) as it exploded in its galaxy.

Like supernovas in nearby galaxies, this star became very bright then dimmed, but this process took much longer than had previously been observed.

A diagram was printed in the New Scientist together with the following explanation: “The shape of the light curve [...] in relation to time, has been stretched by the amount expected when galaxies move away from us at almost half the speed of light.” Until now, this is the best proof we have that the universe is currently expanding away from the earth.

Forces in the balance

Something must have set off this expansion – a force so strong that it can overpower the formidable gravitation of the entire universe. This process also calls for “far-sightedness and intelligence” as the speed of expansion appears to be very precisely calculated. According to the astrophysicist Sir Bernhard Lovell: “If the universe would expand a billionth faster, all matter would be scattered [...] and if it was a billionth slower, the forces of gravitation would have caused the universe to collapse.”

Gravitation is one of the four fundamental physical forces known to man. These forces determine all characteristics and changes that apply to matter, whether in the expanse of the cosmos or the infinite diminutiveness of atomic structures.

Physicists have calculated that the electromagnetic force is 10^{40} (≠10,000,000,000,000,000,000,000,000,000,000,000) times stronger than gravity. Just one zero more or less would mean that the suns cannot shine and the lifespan of stars would be considerably shortened.

Furthermore, the sizes of both nuclear powers in relationship to themselves and to each other must be adhered to exactly.

“If these nuclear powers were only marginally different to what they are, the stars would be incapable of producing the elements of which we (too) are made”, explains physicist John Polkinghorne. The Encyclopaedia of Science & Technology calls these elements: “the building blocks of the universe [...] Only a few systemizations in the history of science can match the periodic table of the elements as a general **manifestation of the order of the material world** [...].”

The fundamental physical forces:

1. Gravity – a weak force on the atomic level; influencing large objects – planets, stars, galaxies
2. Electromagnetism – the main force of attraction between the particles (e.g. protons and electrons) that permits the formation of molecules.
3. Weak nuclear power – the force that controls the disintegration of radio-active elements and the sun’s nuclear activity.
4. Strong nuclear power – the force that holds protons and neutrons together in the atomic nucleus.

Law and Order

Experience has shown us that everything tends towards chaos. Everything degenerates if not cared for. Scientists call this process “the second main clause of thermodynamics”.

We can observe on a daily basis, the extent to which this law applies. It also applies to the universe. However, the order of the universe does not seem to degenerate into chaos, as Roger Penrose (professor of mathematics) discovered whilst researching the state of chaos (entropy) of the observable universe.

Astrophysicist Alan Lightman remarked on how scientists are “mystified by the fact that the universe has been created – and maintained – in such a highly ordered state.” In his book “The Nature of the Universe”, Sir Fred Hoyle explains: “[...] so we see that, the universe being as it is, there simply must be a God.”

God asked Job (Job 38:4-5 & 33): “Where were you when I laid the earth’s foundation? Tell me, if you understand. Who marked off its dimensions? Surely you know! Who stretched a measuring line across it? [...] Do you know the laws of the heavens? Can you set up God’s dominion over the earth?”

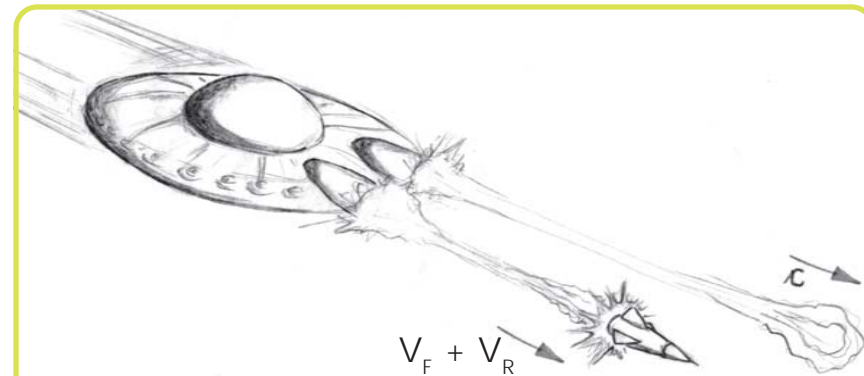
And Psalm 111:2 tells us: “Great are the works of the Lord; they are pondered by all who delight in them.”

THE RELATIVITY OF TIME

How then are we to understand “ONE DAY” and the creation “WEEK”? Some Bible readers see this “DAY” literally, as 24 hours of our Common Era time. Others see a segment of time lasting millions or billions of years.

Only since Albert Einstein (*1879 †1955) do we know that the conventional concept of the absolute passage of time cannot be upheld. Albert Einstein’s further development of classical physics was prompted by negative results obtained during the Michelson experiment. According to this experiment, light travelling relative to a moving object moves at the same speed on all sides – this contradicts classical physics.

A fundamental solution was the Special Theory of Relativity (1905). This states that the speed of light is dependent upon the movement of a system.



When a missile is fired from a flying object, the speed of the flying object (V_F) is added to that of the missile (V_R). Light behaves differently: its speed (c) remains the same, even if the source of light is moving.

No physic experiment exists in which for uniform, straight moving frames of reference, absolute movement can be determined – **only relative movements are evident.**

Thus:

For a non-moving observer, a time segment in a moving system appears longer; furthermore, the length of a moving object appears shorter in its direction of movement.

Hence, time and space are relative concepts; the same applies to the mass (m) of an object that is dependent upon its speed (v); it increases in relation to the rest mass (m₀) according to the following formula:

$$m = \frac{m_0}{\sqrt{1 - \frac{v^2}{c^2}}}$$

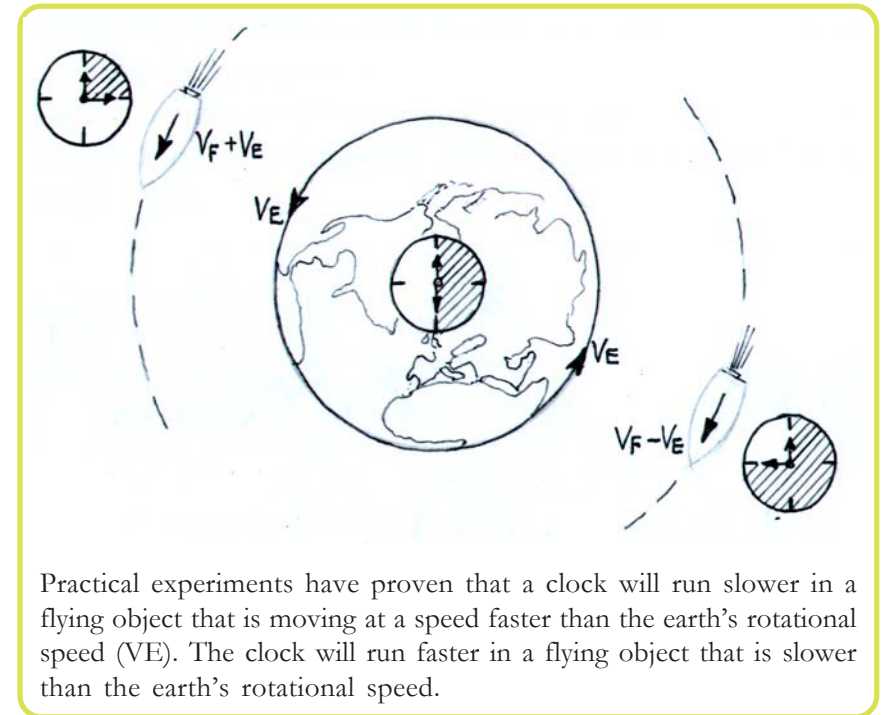
Where the speed of light (c) is concerned, this will be infinitely large, i.e. the speed of light is the fastest speed possible with which energy (mass) can be transported. A further consequence is the equivalence of mass and energy (E=m·c²).

The General Theory of Relativity (1915) is an extension of the Special Theory of Relativity for accelerated frames of reference. It states that it is impossible to differentiate between the effect of gravity and acceleration.

This means: diversion of a beam of light within the gravitation field (e.g. the sun); redshift of the spectral lines of a star in comparison to the spectral lines of the same material on the earth, as a result of strong gravitation fields.

In summary: Albert Einstein's theory of space and time mentions a so-called "bent space-time". Matter determines (bends) space and bent space determines the behaviour of matter.

To a stationary observer, the time that a fast moving object requires to cover a certain distance is longer than for a moving observer (time dilatation).



Simultaneously, the spatial measurements made in the direction of the moving object are shortened in relation to the length measured by the moving observer (Lorenz contraction). Both effects become much more noticeable at high speeds (near the speed of light).

Time passes faster today

The laws of relativity do not only apply to the missile-human system described (Page 27), which accelerates away from us; it also applies to the sun-earth-human system in relationship to other locations in the universe, such as the galaxy containing the star SN 1995K (see Page 25).

This object had already accelerated 1995 A.D. at a speed of 150,000 km/sec; and its speed continues to increase (see the rubber-band model on Page 24).

According to the general theory of relativity, if every galaxy would accelerate away, the calculated time difference (of the notional clocks) between the “escaping galaxies” and our own solar system would continually increase.

Of course it is impossible for we humans – trapped in our own system – to make a direct comparison of clocks. But can we perhaps – as we are not only made of matter – feel or “recognize”⁽¹⁾ a change in time? How can we use this knowledge?

Relationship of various speeds:

Supersonic aircraft Concorde (2,600 km/h)	0.72 km/s
Earth’s rotational speed	0.49 km/s
Earth’s orbit around the sun	30 km/s
Parabolic speed earth-star SN 1995K (1995)	150,000 km/s
Speed of light	300,000 km/s

1. This would confirm that only modern scientific knowledge allows us to understand Bible prophecies that were intended for the present day (I Peter 1:5).

Many ancient, detailed biblical prophecies have already been fulfilled.

Why, then, shouldn’t the words of Jesus in Matthew 24:22 be fulfilled? “If those days had not been cut short, no-one would survive, but for the sake of the elect those days will be shortened.”⁽²⁾

2. The more scientists research and learn, the more they realize how little they know. One question answered leads to a wealth of questions unanswered! In Jeremiah 31:37, the Lord says: “Only if the heavens above can be measured and the foundations of the earth be searched out will I reject all the descendants of Israel because of all they have done.”

In other words: the bond between God and Israel will remain until humans can understand the “heights” and the “depths” – human knowledge will remain limited!⁽³⁾

⁽¹⁾ See Page 29 (The Biological Clock)

⁽²⁾ Does this refer to the 144,000 chosen, “sealed” Israelites?

(Revelations 7:1-12 / Isaiah 65:8-12 / Matthew 24:15-28 / Romans 11:5-7)

⁽³⁾ At the fall of mankind, did perhaps not only man and earth change, but the entire universe (heaven and earth) too? Have we been refused a look into the past, before the fall of mankind, ever since? (See page 30/31 ‘Event horizon’)

Is this the reason that scientists speculate whether the physical constants (e.g. the speed of light and, therefore, the concept of time) must have had other values in grey antiquity?

THE BIOLOGICAL CLOCK

Our lives are dependent upon numerous cycles and the constant return of the same events. The rotation of the earth and, therefore, the day/night cycle seems to be the determining factor for biological occurrences.

This rhythm is very obvious when it comes to plants; photosynthesis ensures they can live directly from the sun's energy. But examples of life dependent upon the day/night cycle are also evident when it comes to animals and humans.

These biological processes are determined by genes, which control all that happens to and in our organism. Our "internal clock" is controlled by approximately 20,000 brain cells. These cells also receive information about the momentary light intensity and, depending upon the time of day, release the appropriate messenger substances.

Were days longer in the past?

If we consider our day/night cycle, which has been determined by a relative 24-hour rhythm since many thousands of years, our "inner clock" should always run to a 24-hour cycle. However, tests have shown that people who volunteered to live for months in complete darkness actually lived by a 24.5-hour cycle. This has also been confirmed by an experiment in which the control

centre of organisms was kept alive in a nutrient solution in complete darkness. The experiment showed that this centre "clock" sent signals out in a 24.5-hour cycle, i.e. fed electrical pulses into the nervous system. It is only with the daily synchronization to a day/night cycle that this returns to a 24-hour rhythm, via nerves from the light-sensitive retina (in the eye).

Is it possible that this half-hour difference can be explained by longer days in the past and biological processes taking longer to adapt?

Can we thus assume that time passes quicker nowadays, compared to the past?

It would be interesting to see whether the time difference between our day/night cycle (24 hours) and our biological clock increases over the coming years.

If the time difference is currently 2%, further accelerated expansion of the universe could mean it may be as large as 20% in the coming years.

HOW CAN THE BEGINNING BE EXPLAINED?⁽¹⁾

While we are still unable to physically explain **the** Beginning of the universe with the Big Bang Theory (now over 75 years old), Dr. Russel Humphreys' alternative model, introduced at the Pittsburgh Conference on Creationism in 1994, explains the state of the universe **in** the Beginning.

This new "creation model" evolves automatically from the equations of the general theory of relativity and is yet to be disproved.

It also seems to explain all observations used to prove the Big Bang Theory (e.g. the progressive redshift, the cosmological microwave radiation).

In accordance with the theory of relativity, it determines the following: If **in** the Beginning our solar system moves within the event horizon, away from a "white hole" (a backwards moving black hole), then, for the observer outside the white hole, it would hardly have moved, even after one thousand years.

The reason: due to high gravity, time is extremely expanded.

However, we should remember that this new creation model is also just a theory. But in contrast to the bigbang / inflation theory, it does not contradict Genesis and, until now, sees the state **IN** the Beginning in complete harmony with the general theory of relativity.

(1) see: D. Batten, K. Ham, C. Wieland: The Answers Book: The 20 Most-Asked Questions About Creation, Evolution/the Book of Genesis Answered (New Leaf Press, 1990)

In his article "Flight through a Black Hole", Professor Igor Novikov (Theoretical Astrophysics Centre, Copenhagen) illustrates, among other things, that an astronaut on a rotating disc around a black hole would be able to see himself from behind, because light is diverted circularly around the black hole. A spaceship that plunges into a black hole and disappears today would, for an observer outside the hole, still seem to be stuck on the edge of the hole, even after 5,000 years have passed. The reason: in the black hole itself time is bent infinitely; i.e. for the outside observer it is standing still.

P. Moosleitner's magazine, December 2003

Only now are we able to understand that the Bible is talking about the relativity of time when it says:

.... *THOSE DAYS WILL BE SHORTENED*

(see *Matthew 24:22, Mark 13:20, Daniel 2:21*)

...*WITH THE LORD [JHWH] A DAY IS LIKE A THOUSAND YEARS, AND A THOUSAND YEARS ARE LIKE A DAY* (II *Peter 3:8 / Psalms 90:4*)

Being the master of time, God's time cannot be subject to our earthly laws of physics:

God is spirit (John 4:24, Timothy 1:17) and omnipresent (Jeremiah 23:24), whereby we humans are matter and fixed to one place at a time. Furthermore, God is omnipotent and omniscient (Jeremiah 55:8-9), whereby we humans can only understand in part (I Corinthians 13:9-13).

Interestingly, according to the Theory of Relativity, time does not exist without matter.

According to the model of the physicist Dr. R. Humphreys, our universe is finite and limited!

Thus the linked universe has always expanded. It has a centre and a “brim”; beyond this there exists no matter.

The 'Event-Horizon' separates the universe/the visible heavens (only 4% recognize energy/matter) from the invisible heavens.⁽¹⁾

Even this model allows us to understand that we can see the light of stars that are billions of light years away from us; even if the universe is considerably younger.

Black hole:

A space-time area in which gravity is so strong that neither matter nor light can escape from it. According to the general theory of relativity, black holes come into being when the centre of a massive star collapses upon itself at the end of its life. Black holes are also believed to exist in the centre of active galaxies – even in our own Milky Way.

Event horizon:

The area that separates the inside of a black hole from the surrounding universe.

Gravitational lens:

The gravitational field of a celestial body, which bends the light of distant objects and reproduces this several times or distorts it; it then appears as diffuse light in the sky. An example is the galaxy cluster “ABELL 2218”, which was discovered by American astronomers in 1987.

A white hole?

A universal enigma

Hubble observes a type of “star-pancake” in the neighbouring galaxy.

The Hubble space telescope has spotted a type of “cosmic pancake” of young, blue stars that should not be there, in the neighbouring Andromeda galaxy.

The reason: this disc of stars is spinning close to a massive black hole in the centre of our neighbouring galaxy, the gravity of which apparently tears apart any matter within its proximity. This colony of young, hot stars may well explain the strange blue shimmer in the core of the galaxy, over which researchers have been puzzling for quite a while. This, however, does not make the phenomenon any less puzzling, claims the *Astrophysical Journal*.

Some 400 young suns are circling around the black hole in the small disc (just one light year in size) at the breathtaking speed of 3.6 million kilometres per hour “Watching these stars is like watching a magician pulling a rabbit out of a hat: one knows that it’s there, but not how such a thing is possible”, says astronomer Tod Lauer.

Nürnberger Nachrichten 21.09.2005

⁽¹⁾ Genesis 1:1; the heavens (several heavens).

2. Corinthians 12:2; the 3rd heaven

Genesis 3:24; due to original sin, our visible horizon is restricted to the “fallen world”.

Ezekiel 28:12-19 / Luke 10:18 / Isaiah. 14:12-15; Lucifer is cast out of the invisible heaven into the “fallen world”.

THE SOURCE OF LIFE

Approximately two million species of life and plants have so far been discovered on our planet. The amazing thing about this, however, is not so much the sheer number of species, but the basic uniformity that links these species together.

Biochemists who examine the Earth's creatures in detail, claim that all forms of life, whether amoebae or human, are dependent upon a formidable interrelationship, upon the teamwork of nucleic acids (DNA and RNA) and protein molecules. The complex processes in which these components are involved take place in almost all types of body cells.

They are responsible for the wonderful variety of life's species. How did this interrelationship occur? What, then, is the source of life?

Millions of people of all standards of education believe that an intelligent creator is responsible for life on Earth. On the other hand, many others believe that life began from inert matter, step by step, thanks to chemical reactions – a sheer coincidence.

How probable is coincidence?

“Coincidence and coincidence alone created everything from the primordial soup to human beings” is how Nobel prize-winner Christian de Duve explains the source of life. However, is coincidence a rational explanation for the source of life?

What is coincidence? Some people see it as a mathematical probability, such as the coincidence when tossing a coin. This is not, however, the way many scientists use the word “coincidence” when talking about the source of life.

The vague term “coincidence” is used as a substitute for a much more precise word – for the word “cause”, especially when the cause is not known.

“To personify coincidence as if we are talking about a causer is the same as the impermissible change from a scientific to a quasi-religious mythological concept” remarked the biophysicist Donald M. MacKay.

Robert C. Sprout agrees: “As the unknown cause has been called a coincidence for so long, one starts to forget that there has been an exchange [...]. The assumption: coincidence is equal to unknown cause now appears to mean for many: coincidence is the same as cause.”

Nobel prize-winner Jacques L. Monod used, for example, this train of thought, in which coincidence is the same as cause; he continues: “Nothing more than coincidence – absolute, blind freedom – [serves] as the foundation for the wonderful building that is evolution. Man at last knows that he is alone in the unfeeling immensity of the universe, out of which he emerged only by chance.” Note that he uses the word “coincidentally”. Like many others, Monod raises coincidence to a principle for creation. Coincidence is presented as the means by which life on Earth was created.

Dictionaries define coincidence as “the assumed, impersonal, undeliberate deciding factor of erratic events.” Whoever says that life was created by coincidence is also saying that it was created by an unknown causal force. Can it be that some people say “coincidence” when they mean “creator”?

From lifeless to living matter?

Everybody have at some time probably noticed that, when trying to explain the source of life, one relies upon generalisations such as: “Over millions of years molecules have interacted to somehow create life.” Is this a satisfactory explanation?

It would mean that, in the midst of solar energy, lightning or volcanoes, lifeless matter began to move, went through a process of order, and started to live – all without support or direction of any kind.

What a huge leap that would have been – from lifeless to living matter. Today we can look back on almost a half century of speculation and thousands of experiments that should be able to prove that life came into being of its own accord.

In retrospect, it is difficult to contradict the Nobel prize-winner Francis Crick. Commenting upon theories about the source of life he remarked that “there are just too many speculations on this topic that are backed up by just too few facts.”

It is, therefore, quite understandable that scientists examining the facts come to the conclusion that life is so complex that, not even within the organized confines of a laboratory could life come into being, let alone of its own accord.

“The extremely complicated DNA – RNA protein replication system⁽¹⁾ of cells, for example, must have been completely functional from the very beginning. Otherwise life systems would not be able to exist.”

⁽¹⁾*Replikat (Lat-Fr.): an exact copy of a “work of art” by the artist his/her self.*

Has coincidence created everything?

So far only extracts of the complexity, the completeness and the beauty of the universe and life have been presented – how they can now be revealed thanks to scientific methods.

If we look around us, we can witness miracle upon miracle: e.g. the capabilities of the human brain, our complex sense organs, the awareness of one’s own self, the possibilities for communication; thoughts and interchange of feelings about the future, love, art, music, beauty, good, evil and eternity; abilities to plan, invent, construct, conserve etc. Is there really still anybody who can **believe** that this all came into being by coincidence?

Scientists (e.g. Lecomte de Nouy) and mathematicians (e.g. Charles E. Guye) calculate the chances of the coincidental creation of one single molecule at 1 to 10^{243} (one 1 and 243 zeros). However, for scientists, 1 to 10^7 already means this possibility is non-existent.

Belief in Jesus Christ and his redemptive work is not reconcilable with **belief** in the theory of evolution!

The Theory of Evolution claims that life is a result of coincidence; from primitive times, via “selection”: violence, murder, sickness, death.

However, this cannot have been planned by God, because this claim is a direct contradiction of what is written in the Bible, where violence, murder, sickness, death etc. are a result of the fall of mankind (after the creation of the perfect human being).

RADIOACTIVE DATING⁽¹⁾

Radioactive dating is a method used for determining the geological age of rock and other organic materials by measuring their radioactivity. Where organic materials are concerned, this involves determining the content of radioactive carbon, which measurably decreases with age (Radiocarbon Method, ¹⁴C-Method).

The methods and the usage of this type of dating are strongly criticized by many scientists.

A scientific magazine reported on studies that revealed the following: “datings based upon radiocarbon decrease may deviate from the actual age – not just by a few years, but by many.”

It continued: “Perhaps man has only lived on the Earth for a few thousand years and not 3.6 million.”

During a world conference in Uppsala (Sweden), radiochemical, archaeological and geological experts came to the conclusion that most of the important prerequisites upon which the measurements were based were more or less unreliable.

Of all the methods used to determine the age of the Earth, 90% point to an age considerably younger than the billions of years claimed by theories of evolution.

Much evidence and information shows that radiological datings are not objective proof of the age of the measured object.

Fossils that were supposed to be older than 100,000 years are said to contain so little ¹⁴C as to be no longer measurable.

Nevertheless, dating laboratories are continually finding quantities of ¹⁴C that are much higher than natural terrestrial radiation in fossils supposed to be many millions of years old.

Helium is formed by the degeneration of radioactive elements (e.g. uranium) and, due to the high rate of diffusion, should no longer be present at an age of millions of years. However, physicist Dr. Robert Gentry discovered that, based upon the amount of helium present, 1.5 billion years (according to previous radioactive dating methods) really only equates to 5,700 +/- 2000 years!

(1) see: D. Batten, K. Ham, C. Wieland: The Answers Book: The 20 Most-Asked Questions About Creation, Evolution/the Book of Genesis Answered (New Leaf Press, 1990)

MISDATED BY 30,000 YEARS

In Germany, a number of skulls previously dated as being from the Stone Age are now thought to be much younger.

According to DER SPIEGEL magazine, the Frankfurter anthropologist Reiner Protsch von Zieten has misdated significant finds by tens of thousands of years.

The skulls are just a few hundred years old, instead of over 30,000. This was determined by tests carried out by Oxford University, using the ^{14}C -method.

Carbon atoms that gradually lessened over time were discovered. Various affected museums confirmed this misdating, but admitted that this had long been known.

(However, the dates on the exhibited finds have often not been corrected.)

Nürnberger Nachrichten 17.8.2004

The sudden birth of planets

Planets such as Jupiter or Saturn have evidently been formed in a much shorter time span than previously believed.

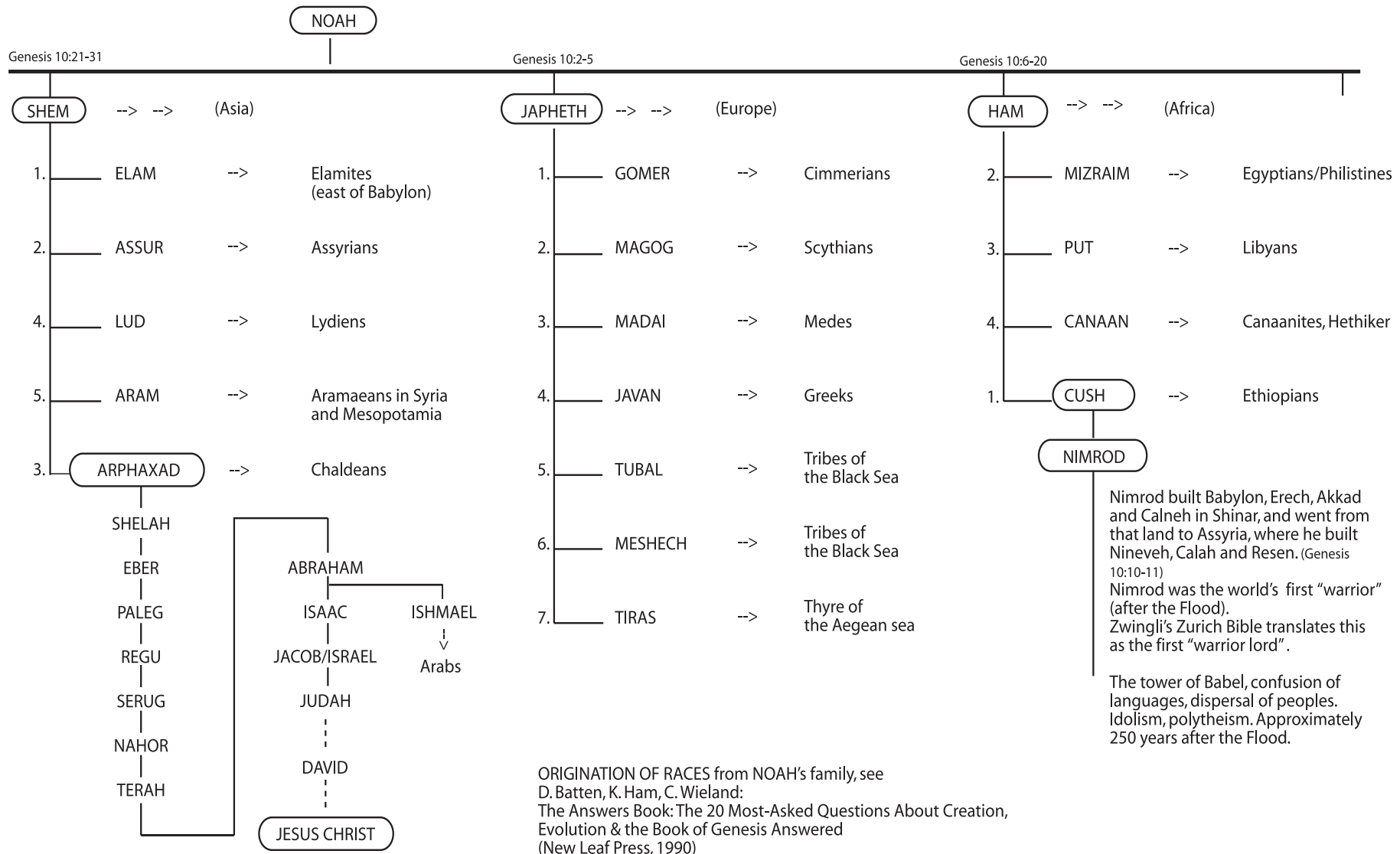
Until now, astrophysicists assumed that the birth of huge planets took more than one million years to happen. According to conventional models, not until this large amount of time has passed can the protoplanetary cloud of matter surrounding a young star clump together sufficient enough to form the germ cells of planets. Astrophysicists from the University of Washington in Seattle, USA, now question this slow process.

Thanks to refined mathematic calculations, scientists have discovered that dense spiral arms branch off after just a few orbits of the cloud around a newly formed mother star. The matter clumps together in the spiral arm within just a few hundred years to form a massive planetary core.

Such a sudden birth in outer space helps to explain, for the first time, why there are so many gasplanets in the Milky Way – since the middle of the 90s alone, more than one hundred have been discovered.

Der Spiegel: 02.12.03

NOAH'S OFFSPRING - THE TABLE OF PEOPLES (GENESIS 10)



THE EPIC OF GILGAMESH⁽¹⁾

Among other things, Gilgamesh was concerned with his own history and heritage.

The writings excavated in Mesopotamia around 1850 A.D. (cuneiform writing on stone tablets), mention a sun god thought to be the father of CUSH. According to this, HAM was the said “sun god”; this would tie in with his name, which means “hot” or “heated”. The son of CUSH is thought to be Emmerud, which can also be read as NIMROD.

The non-biblical confirmation of the skilfulness of Ham, Cush and Nimrod also tells us that the Hamitic peoples, almost all of which had a sun cult, worshiped their ancestor Ham under the synonym “sun god”, although only the initiated (priests, but also Moses) could have known this.

The Egyptian pharaohs were also considered, for example, sons of the sun god; this also adds up – MIZRAM, the ancestor of the Egyptians, was also one of Ham’s four sons.

⁽¹⁾ Babylonian heroic epic about Gilgamesh, early Sumerian King of Uruk; the earliest part originates from 3000 B.C.

The overall view illustrates the futile quest for eternal life.

THE TOWER OF BABEL

The existence of the Tower of Babel, which is referred to in the Bible, has also been confirmed by excavations.

In the excavated BORSIPPA INSCRIPTION, Nebuchadnezzar, the King of Babylon (605-562 B.C), describes the tower as follows: “It was once built by a king – one estimates about 42 generations ago – but he never completed its spire. The people left it long ago, without order in their language. Since then, earthquakes and storms have worn down its sun-dried lime; the outer tiles have broken and dirt has piled up inside. The great ruler Merodach inspired my spirit to restore this building. I did not change the location, nor did I remove the foundations. [...] As it once was, so I have restored it, rebuilt it.”

Not long ago, Saddam Hussein of Iraq began to reconstruct Babylon. Every two metres, each row of bricks contains one brick with the inscription: “Nebuchadnezzar’s Babylon, rebuilt during the reign of Saddam Hussein.”

THE STARS WILL FALL FROM THE SKY

For some years we have been aware of the asteroid belt between the orbits of Earth and Jupiter, the asteroids of which consist of carbon, silicates and metals etc. The adjacent illustration shows the positions of the asteroids known of in 1990. The orbit of the Earth, Mars and Jupiter can also be seen. That most asteroids are on the main belt between the Mars and Jupiter orbits can be clearly seen. The asteroids near to Earth are relatively small, whereby the large asteroids (called “Trojans”) move in the same orbit as Jupiter.

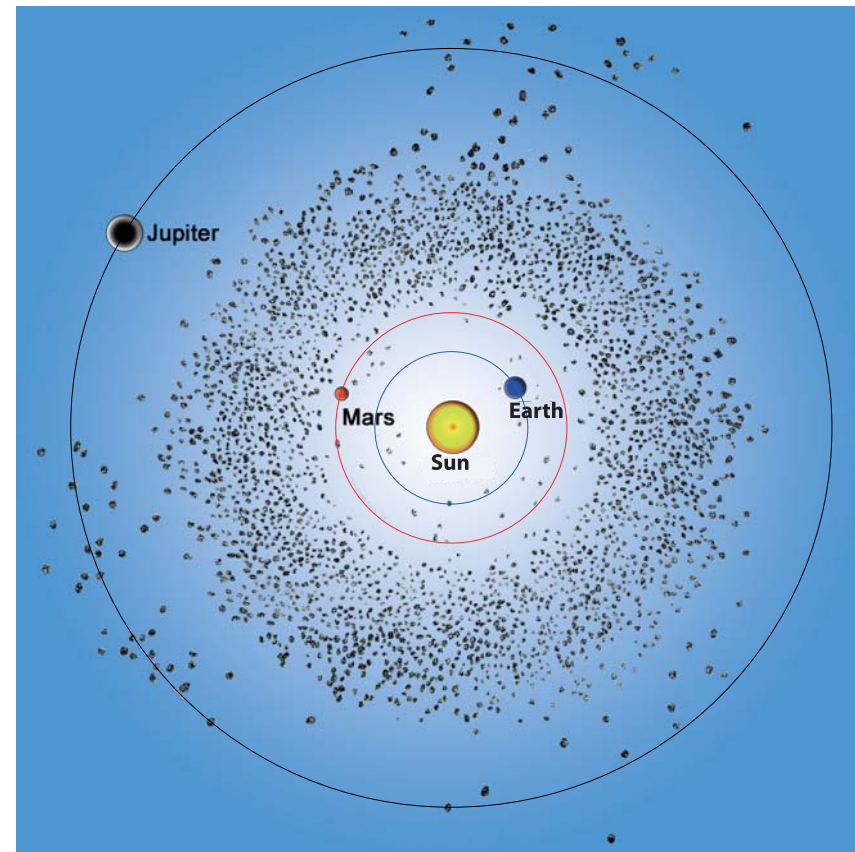
If the slightest gravitational changes in the solar system should cause tremors among the celestial forces⁽¹⁾, these asteroid belts – over the Earth – could collapse upon the sun.

The sun would be darkened and the moon would be unable to reflect any light from the sun.

Smaller asteroids would burn in our atmosphere; larger, burning asteroids would crash down onto the surface of the Earth.

When approximately 2,000 years ago Jesus Christ (Hebrew: Jeschua HaMaschiach) prophesied the end of the godless world and his own return, he said:

“Immediately after the distress of those days the sun will be darkened and the moon will not give its light; and the stars will fall from the sky, and the heavenly bodies will be shaken...” (Matthew 24:29)



⁽¹⁾ see page 25 (forcess in the balance)

THE BIBLICAL-JEWISH CALCULATION OF TIME

The Jewish calculation of times is based upon one lunar/solar year; the months have 29 and 30 days, alternately. A 19-year cycle, in which leap years have an extra month, balances out the solar year.

The 12-month years have 353, 354 or 355 days; the leap years have 383, 384 or 385 days. The 3rd, 6th, 8th, 11th, 14th, 17th and 19th years are leap years.

If the 19-year cycle begins with "ZERO" (the fall of mankind), and the years begin with the 1st of the month 'NISAN', then it would look like this:

19-year cycle (after 'ZERO')	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.
bibl./Jew. year (after ,Zero')	5975	5976	5977	5978	5979	5980	5981	5982	5983	5984	5985	5986	5987	5988	5989	5990	5991	5992	5993	5994	5995	5996	5997	5998	5999	6000
Leap years (x)			X			X			X		X			X			X		X			X			X	
Days/year (± 1 day)	354	354	384	354	354	384	354	354	384	354	384	354	354	384	354	354	384	354	384	354	354	384	354	354	384	354
months/year	12	12	13	12	12	13	12	12	13	12	13	12	12	13	12	12	13	12	13	12	12	13	12	12	13	12

In the context of the prophetic '7-year-week', we are talking about 3½ 'Times' and 1,260 days (42 + 1 months) and 3½ 'Times' and 1,290 days (42 + 2 months).

Revelations 11:3: *And I will give power to my two witnesses, and they will prophesy for 1,260 days, clothed in sackcloth.*

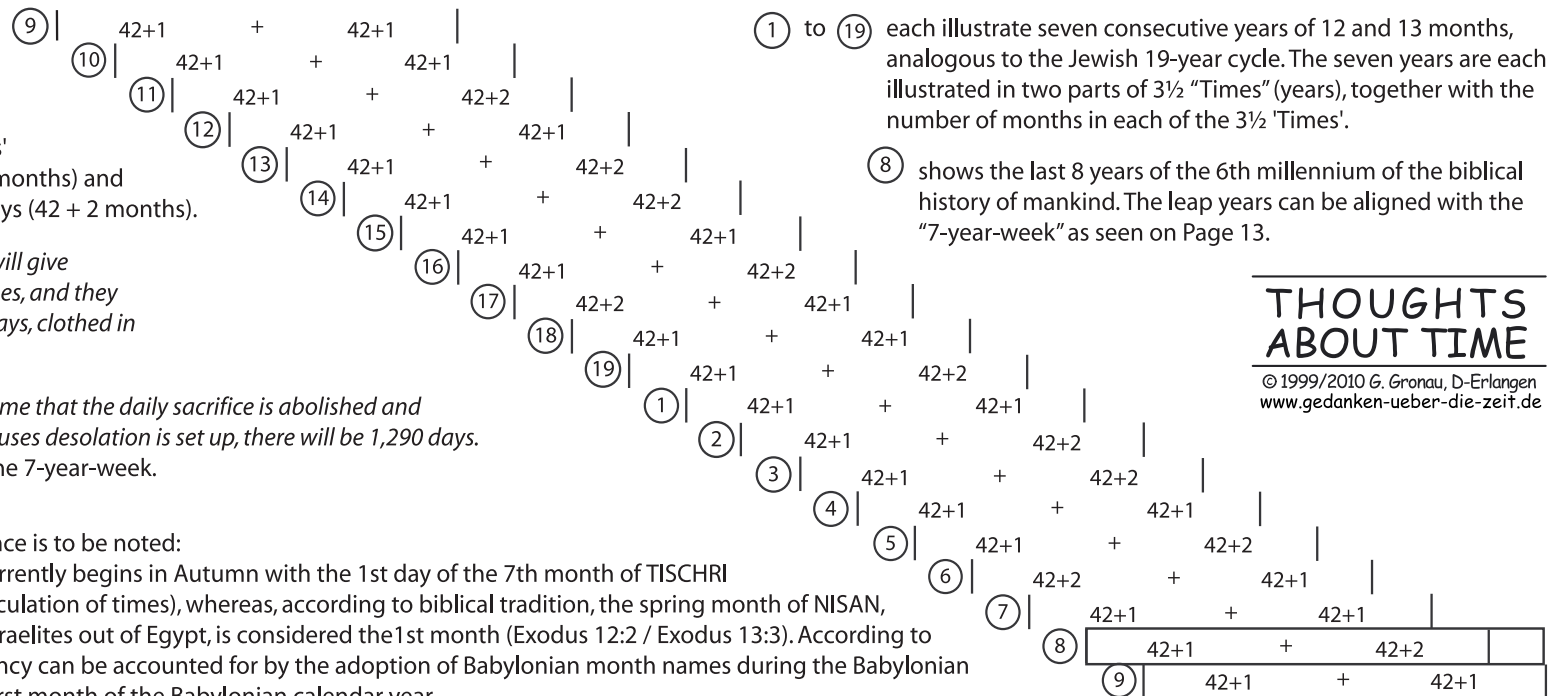
Daniel 12:11: *From the time that the daily sacrifice is abolished and the abomination that causes desolation is set up, there will be 1,290 days.*
- In the second half of the 7-year-week.

The following discrepancy is to be noted:

The Jewish new year currently begins in Autumn with the 1st day of the 7th month of TISCHRI (Sept./Oct. Christian calculation of times), whereas, according to biblical tradition, the spring month of NISAN, with its exodus of the Israelites out of Egypt, is considered the 1st month (Exodus 12:2 / Exodus 13:3). According to historians, this discrepancy can be accounted for by the adoption of Babylonian month names during the Babylonian exile. TISCHRI was the first month of the Babylonian calendar year.

① to ⑱ each illustrate seven consecutive years of 12 and 13 months, analogous to the Jewish 19-year cycle. The seven years are each illustrated in two parts of 3½ "Times" (years), together with the number of months in each of the 3½ 'Times'.

⑧ shows the last 8 years of the 6th millennium of the biblical history of mankind. The leap years can be aligned with the "7-year-week" as seen on Page 13.



**THOUGHTS
ABOUT TIME**
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THE TIMES OF THE GENTILES (OVER THE JEWISH PEOPLE)

Jesus Christ said: “They will fall by the sword and will be taken as prisoners to all the nations. Jerusalem will be trampled on by the Gentiles until the times of the Gentiles are fulfilled.” (Luke 21:24)

The outcome for the sinful behaviour of the people of Israel was forecast by God through the prophets before the time of Jesus Christ; for example in Amos 9:9:

“For I will give the command, and I will shake the house of Israel among all the nations...”

Those that take God seriously will survive, but those that collaborate with the sinners and worship false gods will perish. God’s support for the people of Jewish and its leaders is very apparent from the time of Moses and Joshua, throughout the time of the Judges and His appointed kings (1. Chron. 29:23). The first king of Israel that God did not support was Eliakim. Eliakim’s predecessor was Jehoahaz, who reigned for just three months, before being deposed and deported by the Egyptian Pharaoh Necho. Thus Jehoahaz’s successor, Eliakim, was not appointed by God, but by Necho in 609 B.C. (2. Kings 23: 31.35) The Pharaoh ordered Eliakim to change his name to Jehoiakim. Proof that, from this moment on, God was no longer supportive

of the people of Jewish and its leaders can be seen by reading 2. Kings 24:1 and onwards:

God himself sent Chaldean, Aramean, Moabite and Ammonite raiders against Jehoiakim. He sent them in against Judah, in order to remove his people from its presence – because of repeated disobedience and worship of false gods.

From 609 B.C. onwards foreign rulers continuously reigned over the Jewish people and, as prophesied by Jesus Christ, the people of Jewish were scattered among the nations of the world.

The holy city of Jerusalem would be devastated.

Right up until the present day (2500 years) the Jews have been the most hated and most persecuted people of all time. And anti-Semitism is on the increase throughout the world. It is a miracle that this race of people still exists!

Not until **15.5.1948**, was David Ben Gurion able to announce the founding of the Jewish state of Israel.

Just a few hours after the announcement, Syria, Lebanon, Iraq, Jordan and Egypt attacked the vastly outnumbered and poorly armed Jews, who were to be cast into the sea and killed. It was a miracle that Israel survived this struggle for life! Since this day, Israel has been attacked continually, but cannot be defeated.

The period during which the Nations ruled over the Jewish peoples spans from 609 B.C. to 1948 A.D., a total of 2556 years (608½ years + 1947½ years).

The “Chosen People” had to face 2556 years/7 “times” (see box on the right), during which God turned against them because of their repeated disobedience and idol worship – as described in Numbers 14:34.

Only since the Jews have their own land (since 15th May, 1948) could the Nations no longer rule over the them; no longer can the Nations do whatsoever they wish with the Jews.

It is therefore obvious that with this return to the Promised Land – as prophesied by many prophets – God is keeping his word. (Isaiah 43:5-7/Jeremiah 16:14-16/Jeremiah 30:10/Ezekiel 11:14-17/Ezekiel 36:16-24/Ezekiel 39:25-28.)

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Biblical-Jewish time calculation

Since very early history, the Jews and many other peoples have calculated time in lunar and solar years.

Biblical/Jewish years have 12 months, as well as leap years with a 13th month, “ADAR”. The leap years in a 19-year cycle are the years 3, 6, 8, 11, 14, 17 and 19.

The months (new moon to new moon) have 30 and 29 days! The years have 354±1 days (12 months) and 384±1 days (13 months).

By means of the 19-year cycle, the solar year is evened out.

On average the years have 365.2 days, which corresponds to today’s year. Therefore 7 years = 7 x 365.2 days = 2556 days.

When prophets spoke of “times”, they generally meant years having 12 or 13 months.

For example: in Daniel 12:7-11 we read of 3½ times correlating to 1290 days (42+2 months); in Revelations 11:3 we read of 3½ times correlating to 1260 days (42+1 months). See also: Revelations 12:6/Daniel 4:13/Daniel 7:25.

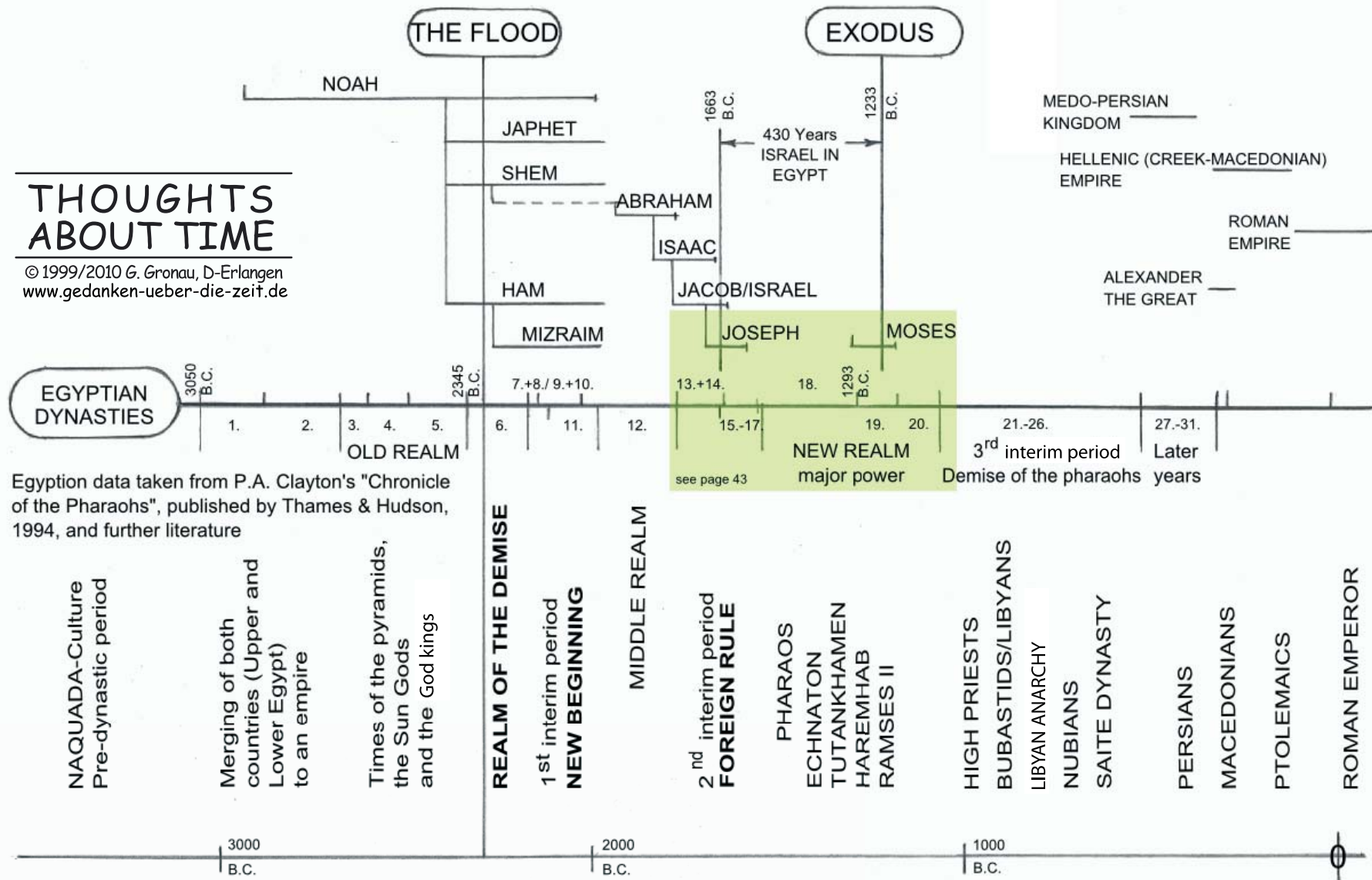
If “one day for one year” should pass, then 7 “times” would thus correlate to 2556 years.

See Numbers 14:34, where God says: For forty years – one year for each of the forty days you explored the land – you will suffer for your sins and know what it is like to have me against you.

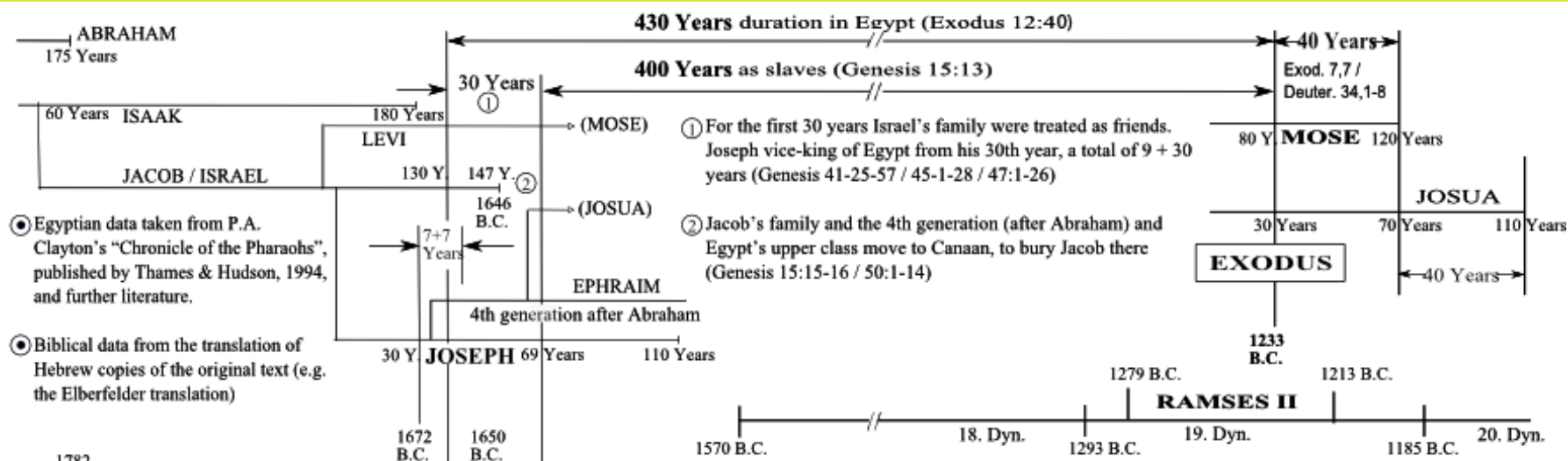
BIBLICAL AND EGYPTIAN HISTORY

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ISRAEL'S SONS IN EGYPT



- ⊙ Egyptian data taken from P.A. Clayton's "Chronicle of the Pharaohs", published by Thames & Hudson, 1994, and further literature.
- ⊙ Biblical data from the translation of Hebrew copies of the original text (e.g. the Elberfelder translation)

- ⑥ **NEHSI** (birth name) Aa-seh-re (throne name) "Re, the great adviser"
- ⑦ **SCESCHI** (birth name) Maa-ib-re (throne name) "the heart of Re is far-sighted"
- ⑧ **JAKOBHER** (birth name) Mer-user-re (throne name) "Re's love is great"

"Then a new king, who did not know about Joseph, came to power in Egypt" (Exodus 1:8)

According to Bonechi, NEFER HOTEPI II was responsible for the reunification of Egypt (especially in the Nile Delta). See also Genesis 47:13-26.

According to GEO-Epoche, the viziers (vice-kings) were the most powerful in the 13th dynasty. They ruled over many generations of kings.

Clayton: towards the end of the 13th dynasty, the rulers of the 14th dynasty also began to have influence. A race of Semites began to take control of the east desert and the delta region of Egypt. According to a "Turin King List", **SCESCHI** was founder of the 15th dynasty, ruled for 13 years and **JAKOBHER** his successor, ruled for 18 years.

According to M.Höveler-Müller, influential immigrants seized power and founded the 15th dynasty.

Were the names NEHSI, SCESCHI and JAKOBHER Egyptian names/titles (see also throne names) for one and the same man - the vizier, vice-king, ruler JOSEPH? It would fit in with the period 1672-1633 B.C.

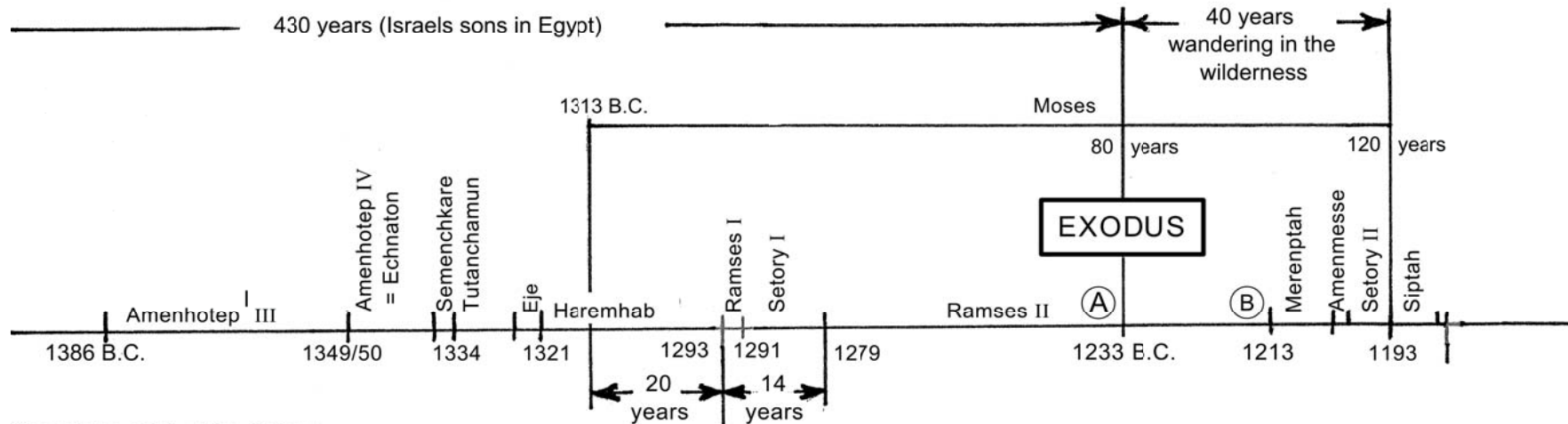
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1800 B.C. 1700 B.C.

1300 B.C. 1200 B.C.

EXODUS FROM EGYPT



Year dates of Egyptian history:
 P.A. Clayton
 "Chronicle of the Pharaohs"
 (Thames & Hudson, 1994)

"One day, after Moses had grown up [...].
 He saw an Egyptian beating a Hebrew [...].
 [...] he killed the Egyptian and hid
 him in the sand (Exodus 2:11-12)

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(A)

The Pharaoh Ramses II and those around him froze in horror; they had to watch while the remaining pride of Egypt, the great army with its horses and chariots, was killed in the huge wave of water, and the Israelites were able to escape with the "stolen" gold and silver of Egypt (Exodus, Chapters 12 to 14).

The Pharaoh returned to an empty, barren land, because the plagues had swept over Egypt like a second Flood. All the gentility and elders and many of the people had been killed, so that the Pharaoh had little left to rule.

In the following years he worked to erase all traces and evidence of this defeat, after which he and his people could finally hold their heads in pride again

However, ancient manuscripts have been found. The so-called Ipuwer Papyrus(1) tells of these horrific, catastrophic times in words similar to those to be found in the Bible (Exodus, Chapters 6 to 11).

(B)

The Jews date the Exodus 1213 B.C. as this date is identical with the death of Ramses II ?!

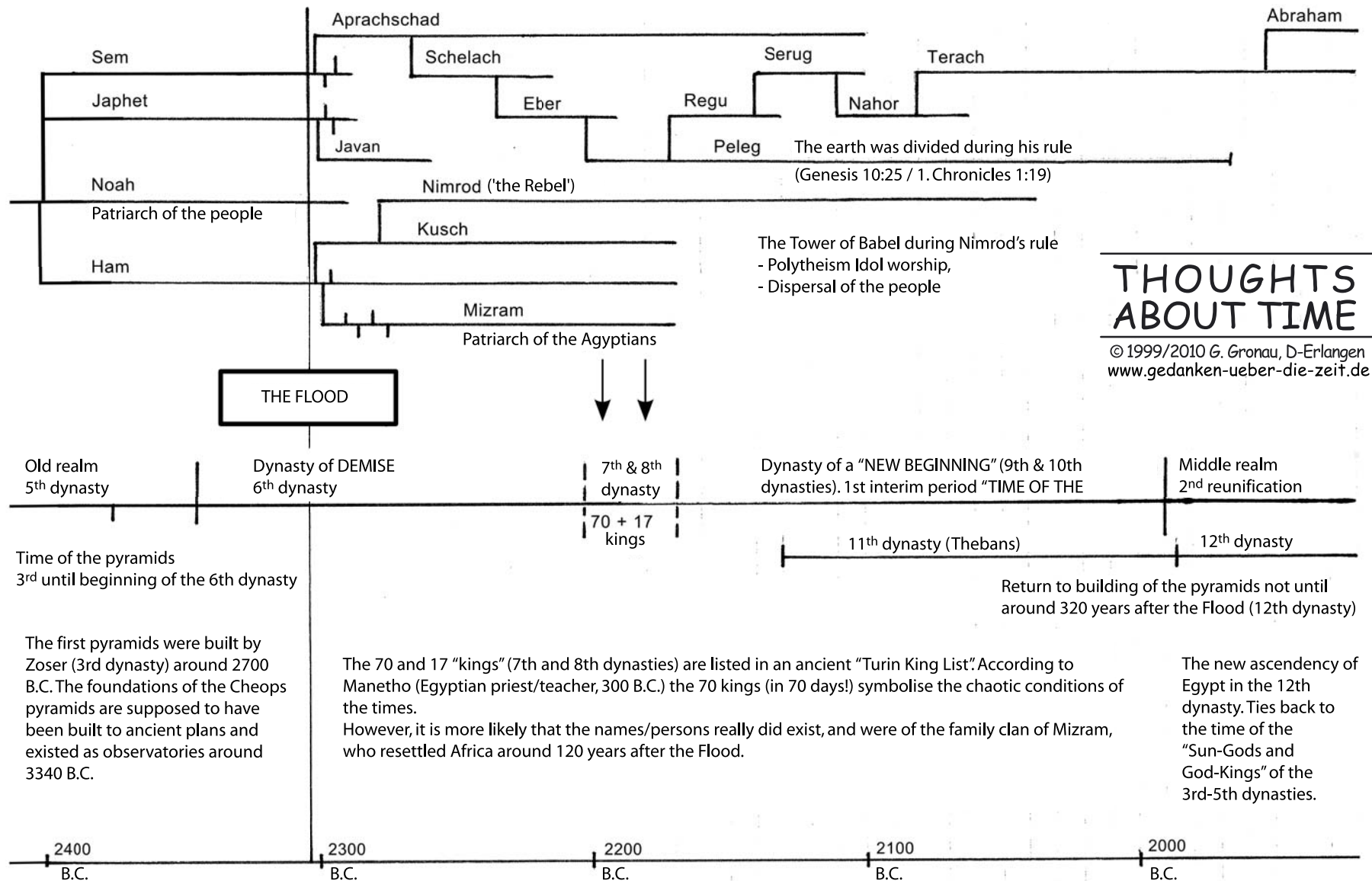
Recent research shows that Ramses II lived on for 20 years after the Exodus. In that case the Exodus would have occurred in 1233 B.C. (see also page 43).

(1)

The Ipuwer Papyrus can be found in the Dutch National Museum of Antiquities in Leiden, Holland. Its official designation is Pap. Leiden I 344 recto



NEW BEGINNING AFTER THE FLOOD



THOUGHTS ABOUT TIME

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Old realm 5th dynasty | Dynasty of DEMISE 6th dynasty | 7th & 8th dynasty | Dynasty of a "NEW BEGINNING" (9th & 10th dynasties). 1st interim period "TIME OF THE" | Middle realm 2nd reunification

Time of the pyramids 3rd until beginning of the 6th dynasty | 70 + 17 kings | 11th dynasty (Thebans) | 12th dynasty

Return to building of the pyramids not until around 320 years after the Flood (12th dynasty)

The first pyramids were built by Zoser (3rd dynasty) around 2700 B.C. The foundations of the Cheops pyramids are supposed to have been built to ancient plans and existed as observatories around 3340 B.C.

The 70 and 17 "kings" (7th and 8th dynasties) are listed in an ancient "Turin King List". According to Manetho (Egyptian priest/teacher, 300 B.C.) the 70 kings (in 70 days!) symbolise the chaotic conditions of the times. However, it is more likely that the names/persons really did exist, and were of the family clan of Mizram, who resettled Africa around 120 years after the Flood.

The new ascendancy of Egypt in the 12th dynasty. Ties back to the time of the "Sun-Gods and God-Kings" of the 3rd-5th dynasties.

2400 B.C. | 2300 B.C. | 2200 B.C. | 2100 B.C. | 2000 B.C.

THANKS!

Du großer Gott, unser Vater

wenn ich die Welt betrachte,
die Du geschaffen durch Dein Allmachtswort -
wenn ich auf alle Lebewesen achte,
die Du regierst und lehrest fort und fort -
||: dann jauchzt das Herz Dir großer Herrscher zu :
wie groß bist Du, wie groß bist Du! :||

Und seh' ich Jesum auf der Erde wandeln,
in Knechtsgestalt, voll Lieb' und großer Huld -
wenn ich im Geiste seh' sein göttlich' Handeln,
am Kreuz bezahlen vieler Sünder Schuld -
||: dann jauchzt das Herz Dir großer Herrscher zu :
wie groß bist Du, wie groß bist Du! :||

Und wenn der Herr von hinnen mich gerufen,
wenn ich von seinem Glanz geblendet steh'-
anbetend niederfall zu seinen Stufen,
den König dort in seiner Schöne seh'-
||: dann jauchzt mein Herz Dir großer Herrscher zu :
wie groß bist Du, wie groß bist Du! :|| ⁽²⁾

i am very happy that almost every person on earth may read the Bible⁽¹⁾ in his or her own language.

Everybody can see for oneself what is written in the Bible, and can come up with "answers".

Particular thanks go out to you, Elisabeth and our sons⁽³⁾ Michael, Christoph and Johannes, for your love and long-standing patience with me.

Furthermore, I would like to thank Ute Eberhardt for her time-consuming corrections, and John Marshall for the translation into English. However, without the first draft, the drawings and graphics that you, dear Christoph, designed and put onto the computer for me, this work would never have been possible.

Günter Gronau

Erlangen, Germany November 2010

⁽¹⁾ The Bible (the "Book of all Books", the Holy Scripture) contains 66 books, written by 47 "inspired" persons from all walks of life (from the shepherd to the King), over a time-span of approximately 1,300 years.

The Bible has now been wholly or partially translated into more than 2,300 languages/dialects, and is available to around 95% of the world's population.

A large portion of the Bible consists of prophecies that – apart from the last end-time prophecies – have all been fulfilled.

⁽²⁾ Words: C. Boberg

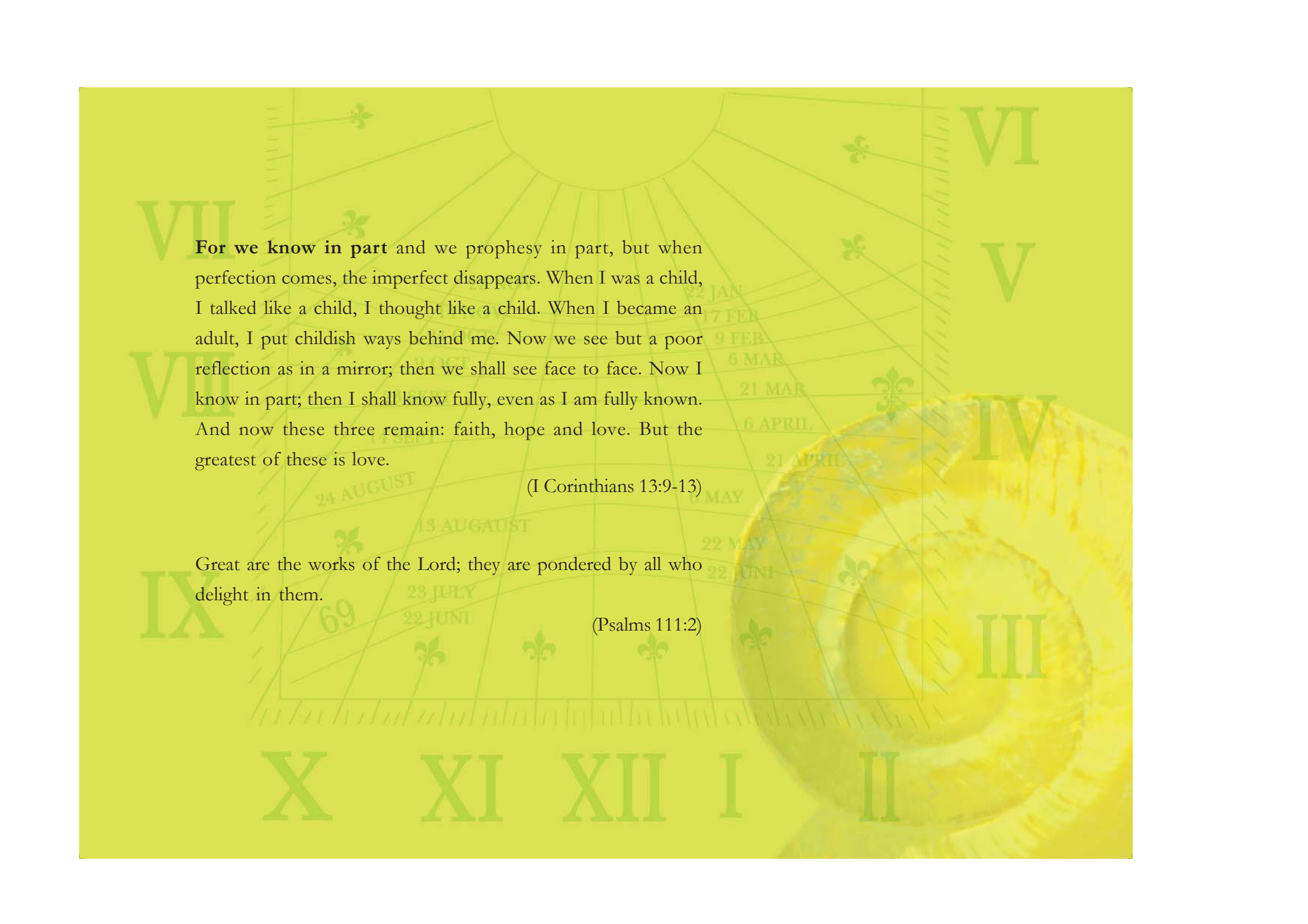
⁽³⁾ Isaiah 54:13 "All your children [Michael, Christoph, Johannes] will be taught by the lord, and great will be their peace."

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Text excerpts on pp. 32/33 translated from: Gibt es einen Gott, der an uns interessiert ist? (Bibelgesellschaft e.V. Selters, Germany).

Photo on Page 3 with kind permission of Astrofoto GmbH, Sörth, Germany.



For we know in part and we prophesy in part, but when perfection comes, the imperfect disappears. When I was a child, I talked like a child, I thought like a child. When I became an adult, I put childish ways behind me. Now we see but a poor reflection as in a mirror; then we shall see face to face. Now I know in part; then I shall know fully, even as I am fully known. And now these three remain: faith, hope and love. But the greatest of these is love.

(I Corinthians 13:9-13)

Great are the works of the Lord; they are pondered by all who delight in them.

(Psalms 111:2)