



# ANCIENT SKIES

*"Come Search With Us!"*

## Official Logbook of the Ancient Astronaut Society

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### THE GREAT PYRAMID REVEALS ITS AGE

BY ALAN F. ALFORD\*

Since April 1993, when Rudolf Gantenbrink explored the southern shaft of the Queen's Chamber and revealed his sensational findings to the world, scholars and laymen alike have pondered over what might lie behind the mysterious stone doorway in the Great Pyramid in Egypt. (See Ancient Skies 20:5)

However, whilst thoughts of a hidden chamber and its contents excited the imaginations of most of us, one Egyptian engineer, Robert Bauval, focused his attention on the precise measurements of the slopes of the shafts. The robot UPUAUT 2 (meaning "Opener of the Ways" in Ancient Egyptian), by travelling the full lengths of the shafts, had enabled precise gradients to be calculated which were slightly steeper than the estimates made by Sir Flinders Petrie in 1880. Bauval had been investigating these shafts for several years in connection with their astronomical bearings.

In January 1994, Bauval, in association with Adrian Gilbert, published a book on his findings entitled The Orion Mystery. (1) Bauval was able to demonstrate that all three of the shafts which had then been explored were precisely aligned to the stars. The southern shaft of the Queen's Chamber had been aligned with Sirius, whilst the northern shaft of the King's Chamber had been aligned with Alpha Draconis. The most exciting find, however, was that the northern shaft of the King's Chamber had been aligned precisely with the lowest star in Orion's Belt. Bauval has used these findings to develop the "Orion Correlation Theory," whereby the three pyramids at Giza represent an exact replica of the three stars of Orion's Belt, both in relative position and size. This mirror image of the heavens extended to the position of the Nile, which resembled the Milky Way, and the pyramids of other pharaohs, almost as if they had been trying to complete an elaborate plan of the heavens on Earth. Bauval's findings appear to be unanswerable, and despite upsetting the Egyptologists, are hardly surprising to students of the ancient astronaut theories. However, as with most discoveries, his findings are open to different interpretations.

Whilst the alignments of the shafts correlated to the positions of the stars in the year 2,450 BC, the exact mirror image of the Pyramids to Orion's Belt correlated to the year 10,450 BC. Bauval and Gilbert have therefore concluded that the Great Pyramid was constructed in 2,450 BC but the layout of the three pyramids commemorated an event in 10,450

BC. For the latter, they acknowledge that this conflicts with the accepted wisdom of Egyptologists, but they speculate a connection with the Atlantis stories of Plato's Timaeus which have been dated by independent means to 10,400 BC. Ironically, in challenging the conventional dating of the Egyptologists in one respect, there is a grave danger that their dating of the construction of the Great Pyramid to 2,450 BC will serve to further perpetuate the myth that it was built by Khufu.

Throughout The Orion Mystery the authors assume that the Great Pyramid was built by Khufu, since this is the accepted wisdom. It is therefore no surprise that they date the star alignment to a period which coincides with the reign of Khufu! Anyone familiar with the phenomenon of precession will appreciate that other dates are also possible. Only in the reference section of the book do Bauval and Gilbert admit that the "graffiti" found inside the Pyramid is the strongest evidence that it belonged to Khufu. Of course, it has been conclusively demonstrated that the Khufu-graffiti is a forgery! (2)

Bauval and Gilbert acknowledge several times in their book that the ancient Egyptians themselves attributed the Great Pyramid to a golden age when Egypt had been ruled by a race of gods. Indeed, the Egyptians claimed that the god Thoth himself (known to the Greeks as Hermes) had built the Pyramid. Nevertheless, readers are left with the impression that this Pyramid was one of a sequence within the Fourth Dynasty and are expected to suspend disbelief regarding the incredible technology which was unique to the Great Pyramid and almost totally lacking in the others! Unfortunately, there is no mention of the fact that the Great Pyramid is the only completed pyramid with the perfect angle of 52 degrees.

Far from "unlocking the secrets of the pyramids," Bauval and Gilbert leave many unanswered questions, such as how were the stone blocks cut so precisely, how were they erected, what were the functions of the King's and Queen's Chambers and the Grand Gallery, from where did the Egyptians get their knowledge of the stars and the precessional effect, and why were the pyramids built at Giza? This is a further demonstration of the inability to solve these mysteries by using conventional reasoning.

The astronomical alignments of the shafts and the Giza complex can, however, produce quite different conclusions which provide important corroboration to ancient astronaut theories. Readers will probably be familiar with the effect of precession, caused by the wobbling of the Earth on its axis in such a way that the celestial north pole describes a circle in the sky in a period of 25,920 years. This means that the position of the stars in the sky at a fixed point in time will recur every 25,920 years. Applied to the latest findings at Giza, this means that the alignment of the shafts might not neces-

(Continued on next page)

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sarily indicate 2,450 BC, but could equally relate to 28,370 BC, 54,290 BC, etc. Similarly, the layout of the three pyramids might not indicate 10,450 BC, but could equally relate to 36,370 BC, 62,290 BC, etc. It did not take me long to suspect that Bauval and Gilbert had got their dates the wrong way round so to speak. After all, was it not possible that the layout of Giza indicated the construction date at 10,450 BC, whilst an older date such as 28,370 BC, 54,290 BC, etc., commemorated a past event?

Most readers of Ancient Skies will be familiar with the books by Zecharia Sitchin, which attribute the building of the Giza Pyramids to the gods immediately following the Deluge approximately 13,000 years ago or circa 11,000 BC. According to Sitchin, the gods had built Giza as part of a new landing grid to direct their craft to Baalbek, after their old landing grid had been destroyed by the Deluge. (3) Of course, it may have been built just before the Deluge, but this makes little difference to the date. Sitchin's dating of the Deluge is based on modern scientific evidence that the last ice age ended abruptly 12,000 to 13,000 years ago and ancient references to the Flood during the age of the Lion, 10,860 to 8,700 BC. (4) Thus a construction date of 10,450 BC for Giza is quite consistent with the ancient records (used by Sitchin) and modern scientific evidence (concerning the ice age and likely coincidence with the Deluge).

I must add at this juncture that I am astounded to find that the psychics Ruth Montgomery (5) and Edgar Cayce (6) were "informed" that the Great Pyramid was built in approximately 10,000 BC (Montgomery) or between 10,490 BC and 10,390 BC (Cayce):

Having locked in the construction date to the layout of the Giza Pyramids, I then turned my attention to the alignments of the shafts of the Great Pyramid. These were not aligned to the stars at the date of construction, 10,450 BC, but perhaps commemorated some past event. My first hypothesis was a commemoration of the gods' arrival on Earth, which Sitchin dates to approximately 443,000 BC. Sitchin's date is based on the enigmatic verse 3 of Genesis 6 of the Bible relating to events just prior to the Deluge: "his days will be a hundred and twenty years," which Sitchin translates as "And his days were one hundred and twenty years." Based on the evidence produced in The 12th Planet, Sitchin suggests that it is 120 shar's, or grand cycles of 3,600 years relating to the gods' planet Nibiru. Thus Sitchin dates the arrival of the gods to 432,000 (120 x 3,600) years before the Deluge, that is, approximately 443,000 BC. (7) Testing my hypothesis, I reached for my calculator and found that, working backwards from 2,450 BC, 17 precessional cycles of 25,920 years bring us to the date 443,090 BC!

I believe that these findings, based on the astronomical alignments of the shafts in the Great Pyramid, provide us with a strong corroboration of Sitchin's timetable of events which are based on the gods' arrival 445,000 years ago, for this date can now be checked via two independent astronomical cycles - the precession of the stars and the orbit of Nibiru as related by the Sumerians. Similarly, the layout of the three pyramids at Giza now provides astronomical support for the dating of the Deluge, and the Pyramids themselves, at approximately 10,450 BC.

Whilst these findings fly in the face of convention, we should also invoke the evidence for the Sphinx being much older than its accepted date of 2,450 BC. The Sphinx has been carved out from the rock of the desert plateau, from which it is now separated by a deep trench. The rock is limestone and the walls of the trench have been worn into numerous gulleys by the action of rainwater. Geologists have suggested that the rate of erosion is inconsistent with the dry weather experienced in Egypt since 2,450 BC and believe that the Sphinx

must be between 9,000 and 12,000 years old! Zahi Hawass, the curator of the Sphinx and the Pyramids, dismisses this idea on the grounds that "we don't have any architectural evidence, we don't have any textual evidence at all to show that there was someone in Egypt at that time who can carve a statue like that." (8) To which we must ask: how much evidence is required to prove what the ancient Egyptians themselves have always said, namely that Egypt had been ruled by a race of gods for many millennia before the pharaohs?

Rudolf Gantenbrink will soon be back at the Great Pyramid to explore the north shaft of the Queen's Chamber and to assist the Egyptians in the opening of the secret chamber above the southern shaft. Will they find the "Books of Thoth" which were alluded to by the ancient Egyptians? If so, it can only be a matter of time before the facts of our extraterrestrial origins emerge. However, let us remember the scandal concerning the Dead Sea Scrolls which were discovered in 1947 and 1956. Seventy-five percent of these ancient manuscripts have until recently remained unavailable for translation and publication to the world. If the Dead Sea Scrolls are anything to go by, the public might be in for a long wait to see the Books of Thoth!

#### References:

1. Published by William Heinemann Ltd., 1994.
2. Z. Sitchin, The Stairway to Heaven (Avon Books, 1980), Chapter XIII. See also Ancient Skies 8:2.
3. Ibid. Chapter XII.
4. Z. Sitchin, The 12th Planet (Avon Books, 1976), page 409.
5. R. Montgomery, The World Before (Fawcett Crest, 1976).
6. See W.R. Fix, Pyramid Odyssey (Mayflower Books, 1978), page 99.
7. Z. Sitchin, The 12th Planet, op.cit., pages 253 and 410.
8. The Geography Programme, BBC Television, March 14, 1994.

THE ARTICLE BY ERICH VON DANIKEN IN ANCIENT SKIES 20:5 about the discovery of a door in one of the shafts of the Great Pyramid in Egypt was very interesting for me because until then I could only rely on inaccurate accounts of this discovery in our local newspapers, which they placed in the subterranean vault of the Pyramid!

Trying to find the exact position of the door, I put the information from the article on a sketch of the Great Pyramid. It became evident that the "door" is at the same height as the top of the gallery leading to the King's Chamber, and, therefore, at the same height as the floor of the first small chamber above the King's Chamber.

This is a most interesting position. In fact, the "door" thus completes a parallelogram, with the other three points being: top of the gallery; bottom of the gallery; south wall of the Queen's Chamber. This, of course, should be checked on very accurate scaled drawings of the Pyramid. If one were to speculate on where other chambers might be situated, this, where the door is found, is the most logical choice. Filip Coppens, Dendermondse Steenweg 56, 9100 Sint-Niklaas, BELGIUM.

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## COMMENTS ON THE GREAT PYRAMID

BY TED POWELL\*

After reading Erich von Daniken's article "Sensation Inside the Great Pyramid" in Ancient Skies 20:5, I was prompted to set forth some of my comments on the subject:

- The Great Pyramid was not commissioned by Cheops, but merely appropriated by him. It was constructed long before any pharaoh existed, during the period of 10,495 to 10,595 BC. Its concept was utterly beyond any Egyptian's capability.

- The Egyptologists are dead wrong, as noted in the article. There are water-sealed crypts deep inside the Pyramid which contain records, history, science and artifacts of both Mu and Atlantis; and most likely the design data of its architect - Hermes (Thoth); and its initiator, the Ionian high-priest, Ra-Ta. Hermes was "a man from nowhere, with no country and no race," possibly an alien "from a star system which was beyond the pole star."

- The so-called King's and Queen's Chambers were named some 80 centuries after the construction, during the time of the pharaohs.

- Hidden crypts and chambers could also be detected with echo-ranging sonars and seismographic equipment.

- Some of the Egyptologist naysayers may have an ulterior self-serving motive in wishing to reserve discovery notoriety and treasure profits for themselves. Someone is busily butchering probing tunnels in the Pyramid at the present time.

- The precise measurements of the "King and Queen Chambers" and supposed "Pharaoh coffins" may deliberately involve mathematical constants, as does the precise slope angle of the polished bottom sand-covered 16-ton casing stones of 51°51'14.3". How did technologically-primitive Egyptians manage to polish stone to optical tolerances and to minutes-of-arc angles?

- The statement that "no structural metal was ever found inside the pyramid" is not correct. Back in the 1870s or 1880s, British explorers discovered a stone wall bracket support made of malleable iron. It was witnessed by several party members and a signed statement was sent along with it to the British Museum's Antiquities Section. Also, copper tools, hardened with arsenic (or antimony?) and an unknown heat treatment process were found inside the structure. Where did the technologically-primitive Egyptians obtain such an iron?

- Some 246 feet below the limestone base of the Pyramid there could be water-sealed tunnel crypts and chambers containing Atlantean measuring instruments, power tools and machinery, lasers and a multi-ton firestone power plant in full operational condition.

- The Pyramid's design is bizarre and obviously alien in design.

- 100,000 Egyptians under Atlantean engineer guidance and equipment assistance, erected the Great Causeway from the quarry to the Great Pyramid in 20 years. After an earthquake in Cairo in the 1300s AD wrecked Arabian Caliphs' palaces and government buildings, the Arabs sacrilegiously stripped most of the Pyramid's polished casing stones and most likely dismantled the Great Causeway for the same vandal purpose. Some 360,000 Egyptians, again with Atlantean guidance and equipment, took 100 years to construct the Great Pyramid which "is held together by forces beyond your present day understanding." (A strange form of E.S. crystal energy?) How could a technically-primitive nation with a population of less than 20 million people have accomplished such a feat?

- The Sphinx was constructed just prior to the Great Pyramid. It is not the image of Cheops. There were no pharaohs in pre-historic times. It was intended as a "monument to humanity" and the "god

within." It was an Atlantean religious symbol, representing man's inner-self (spirit) emerging from his animal body and returning to the eternity plane from which the five races "materialized" upon five continents on this planet some 10.5 million years ago (possibly after an astronomical catastrophe in the Sirius Binary "Dog-Star" System.)

- The Pyramid's exact construction date can easily be established without the use of unreliable radio-active decay methods. The Pyramid's vertical apex axis was so surveyed precisely "as to point directly to the central Pleiades Cluster Star, in its night time passage over the Pyramid; at that portion of its precession cycle; at those star-drift positions." The north up-slanted tunnel axis "was aimed at what was then the Pole Star," possibly Alpha Draconis. Astronomers merely have to computer "run back the centuries" to pin-point the construction time.

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## THE PYRAMID INCH

BY MAURICE CHATELAIN\*\*

British Egyptologists had always claimed that the Great Pyramid had been designed with a mysterious Pyramid Inch which was supposed to be slightly longer than the British Inch by one thousandth or about 25.4254 millimeters. And I had always thought and even written that there was no dimension of the Great Pyramid that could be exactly divided into such a length, which was easy to prove. Then I recently decided to try again and I obtained some very interesting results which forced me to change my mind.

It is now impossible to measure the exact dimensions of the Great Pyramid, especially after the eruption and earthquake of the Thera volcano in 1626 BC and the recent earthquake of 12 October 1992. Moreover, the seven top layers of stones and the casing stones have been removed, and the mortar between the stones has disappeared, causing the Pyramid to shrink and its dimensions to be shorter than they used to be at the time of its construction. For example, according to André Pochan and several others, the base lengths above the platform are now 230.253 meters for the North face, 230.357 m for the West, 230.391 m for the East, and 230.454 m for the South. Fortunately, the angles have remained the same, according to the ratio of 14/11, and I used them for my calculations.

According to ancient writers, the perimeter of the platform was equal to 1/43200 of the polar circumference of the Earth estimated at 39,999,960 meters, or 925.925 m, or one half of a geographic nautical mile of 1851.850 m, corresponding to a base length of 231.48125 m for the platform. The thickness of the platform above the rock was supposed to be a royal cubit of 525 mm. The perimeter of the Pyramid above its platform was derived from a geographic length of 110,880 m representing a longitude degree at a latitude of five degrees or a latitude degree at a latitude of 32 degrees which could have been that of the Pyramid when it was built before the last polar shift, probably more than 12,000 years ago, since traces of the Great Flood were still visible on its faces 1,000 years ago, before the casing stones were removed on the orders of Saladin, to build the city of Cairo in AD 1169.

The length of 110,880 m corresponds to 60 land miles of 1848 m, each representing 6000 feet of 308 mm which were also used later by the Greeks for the construction of their temples such as the Parthenon. Strangely enough, the same land mile of 1848 m had been used for two other prehistoric designs, the Maltese Cross of the Aegean Sea [Ed. Note: See An- (Continued on next page)]

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cient Skies 16:1] and a map of the Earth showing the Antarctic continent free of ice with its lakes, rivers and mountains. That map was probably used by the Turkish Admiral Piri Reis to make his famous map in AD 1513 [Ed.Note: See Ancient Skies 6:4].

The original perimeter of the Great Pyramid on its platform was 1/43290 of the polar circumference of the Earth or 924.000 meters, representing one half of a land mile, with a base length of 231.000 m or 440 royal cubits of 525 mm or 750 feet of 308 mm. According to the ratio of 14/11 and the PI factor of 22/7, the Pyramid height above the platform was 147.000 m or 280 royal cubits of 525 mm.

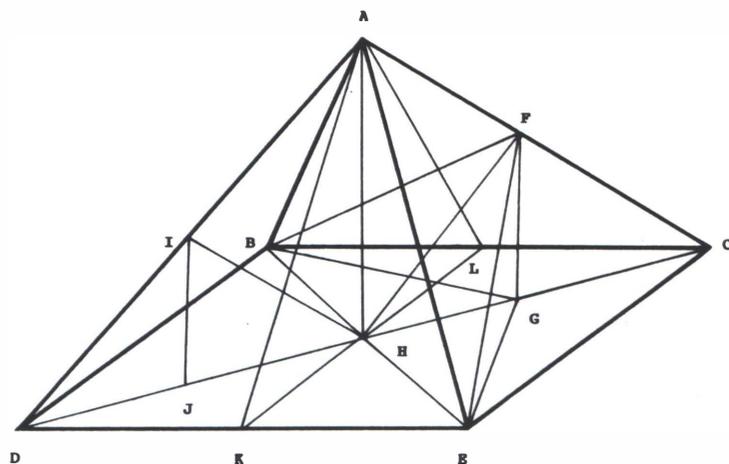
Assuming that there really was a Pyramid Inch close to the British Inch, I have found only three possibilities. The first one would be an Inch of 25.0000 mm or 1/21 of the sacred cubit of 525 mm, which would be too short. The second one would be an Inch of 25.4645 mm which is contained 1,570,812,700 times in the polar circumference of the Earth and 63,500 times in a length of 1617 m or 7/8 of a land mile of 1848 m. Such a length represents seven times the base length of 231 m or eleven times the height of 147 m. Unfortunately, such an Inch would not be an exact fraction of any known dimension of the Pyramid. I then found a third one, an Inch of 25.6666 mm which seems to be too long, but it is contained 1,558,440,000 times in the polar circumference, 9000 times in the base length of 231 m, twelve times in the foot of 308 mm, and exact numbers of times in many other dimensions of the Pyramid, such as those of the ascending and descending passages.

According to the measurements of André Pochan, I found that eighteen of these passage dimensions were exact numbers of Inches of 25.6666 mm, seven of which being astronomical numbers of days, such as 347,354, 364 days for the Moon, 360 and 365 for the Sun, 370 for Uranus, and 378 for Saturn. The eleven other numbers of inches, which probably also had a secret meaning, were: 210,245,257,320,350,500,640,825,1530, 1875,2710 Inches. These dimensions represent a total of 12,000 Inches, or 1000 feet, or 308 meters, or 1/6 of a land mile of 1848 meters.

Of course that could be just a coincidence and I decided to go even further in my research of the Pyramid Inch and calculate for example the exact Dihedral Angle of the edges of the Pyramid, which several readers had asked me to give them. I first calculated the lengths and opposite angles of eighteen different dimensions of the Pyramid, according to a base length of 231 m and a height of 147 m. These angles and dimensions and their positions in the Pyramid along with their dimensions in Pyramid Inches, are shown in Figure 1.

As could be expected, the dimensions in meters and millimeters which I have calculated by trigonometry are sometimes slightly different from those which could have been measured in Pyramid Inches when the Pyramid was built many thousands of years ago. However, the fact that so many Pyramid dimensions are exact numbers of my Pyramid Inch of 25.6666 mm seems to indicate that I have finally discovered the mysterious PYRAMID INCH and the controversial DIHEDRAL ANGLE of the edges which I now know to be equal to 112.4392396 degrees or about 112 degrees, 26 minutes and 21 seconds of arc.

\*\*Mr. Chatelain is a retired space scientist. His book Our Cosmic Ancestors, one of the classics in the ancient astronaut field, is available in over-size paperback from the author. Mr. Chatelain has written several other books, including The First Americans, The First Christians, The Prophecies of Nostradamus From 1997 to 3797, Ancient Mysteries, Christian Mysteries, and Aliens Among Us, all of which are available from the author in photocopy format. For prices and ordering information, write to Maurice Chatelain, 3976 Kenosha Ave., San Diego, California 92117 USA. This article is Copyrighted (C) 1994 by Maurice Chatelain, All Rights Reserved.



SIDES	METERS	INCHES	FEET	ANGLES	DEGREES
GH	73.093	2848	237.333	GFB	41.986
IJ	73.500	2864	238.666	IDJ	41.986
FG	81.219	3164	263.666	FHG	48.014
FG	81.219	3164	263.666	FEG	24.412
DJ	81.671	3180	265.000	DIJ	48.014
CG	90.248	3516	293.000	CPG	48.014
AF	98.335	3831	319.250	AFP	41.986
FH	109.267	4257	354.750	FAB	48.014
FB	109.267	4257	354.750	FBB	33.781
DI	109.874	4281	356.750	DJI	90.000
DK	115.500	4500	375.000	DAK	31.709
HK	115.500	4500	375.000	HAK	38.157
CF	121.414	4731	394.250	CFP	48.014
AB	147.000	5727	477.250	ACH	41.986
AB	147.000	5727	477.250	AKB	51.843
BB	163.342	6364	530.333	BAB	31.709
BB	163.342	6364	530.333	BFB	56.219
EG	178.950	6972	581.000	EPG	65.588
AK	186.947	7284	607.000	ADK	58.291
EF	196.519	7656	638.000	EBF	33.781
AC	219.749	8562	713.500	ADC	41.986
DE	231.000	9000	750.000	DAE	63.418
CD	326.684	12728	1060.666	CAD	96.028
BE	326.684	12728	1060.666	BFE	112.439

Fig. 1. Angles and Dimensions of the Great Pyramid

I WOULD LIKE TO COMMENT ON "The Tunguska Explosion Revisited" in Ancient Skies 20:2 and add something to the inescapable conclusion "that a nuclear powered spacecraft from another world came into the Earth's atmosphere, malfunctioned and then exploded five miles above the Siberian forest in 1905."

I accept this as a possibility, but think there are also other possible conclusions, namely: the spacecraft was not nuclear powered, but made use of matter-antimatter systems which somehow malfunctioned resulting in an atomic or nuclear explosion. The craft would not need to be nuclear powered. In fact, we have little evidence enabling us to conclude that a spacecraft would use nuclear power. Through documents released under the U.S. Freedom of Information Act we find that a number of spacecraft appear to have crash landed on the Earth under various circumstances; however, none of these have resulted in anything like nuclear explosions, and there are no reports of any of them being nuclear powered. It is also difficult to imagine a technologically-advanced race capable of space travel of many light years utilizing such an unecological power system. Surely they would be beyond creating the deadly menaces of radioactive uranium or plutonium. Another possibility is that the explosion was caused by a nuclear missile, rather than a spacecraft. Chris Lock, 205 Minami Tanabe Heights, 7-6, 2 Cho Minami Tanabe, Higashi Sumiyoshi Ku, Osaka, T546, JAPAN.