PYRAMID SCIENCE

ON ALMOST EVERY CONTINENT EXIST PYRAMIDS AND PYRAMIDS-LIKE MONUMENTS

At their fields, specialists investigate them: geologically, archaeologically and architecturally.

At the academy, specialists research their: terms, properties, concepts and local scenarios.

THESE SUBJECTS ARE THE FUNDAMENTALS OF THE PYRAMID STATUS.
TERMS

- Geometrical
- Linguistic
- Components
- Local - Descriptive
These words in Greek, Latin and modern languages mean: a polygonal base and sloping sides meeting at an apex. In other words, a geometrical shape.

In the Ancient Egyptian Writing, the hieroglyph is “MR”, a 2-dimensional form of the classical shape of a pyramid.
IN OTHER LANGUAGES
the geometrical meaning in some languages is absent

In Arabic:
the word is *haram* هرم it means “very old” from "لسان العرب” لسان العرب"

In Mexico:
“*las piramides*” which is Latin; they are are called "*huaca*" also meaning temple

In Chinese:
*Jin’ zi ta (jīnzītā)*, means “a tower with golden symbols”

*Jiao zhui*, means “prism” which could be geometrical, but the literal translation is “a horn for drilling the ground”
COMPONENTS
LOCAL - DESCRIPTIVE

RED PYRAMID

USERKAF

BLACK PYRAMID
PYRAMIDS FROM TUMULI
CLASSICAL LIMITS OF PYRAMIDS
BEYOND LIMITS BUT ACCEPTED AS PYRAMIDS
PYRAMID-LIKE MONUMENTS
TOWERS AND MOUNDS
The pyramid base contains the circle of the mound (Red pyramid)
The circle of the mound contains the pyramid base (Khafra pyramid)
In these cases the height of a pyramid is determined by the angle of repose of the mound
A relationship between the base length or diagonal and the height = < ½ side or diagonal
But will exceeded in height, with smaller pyramids the diagonal = > height
More narrowing of the base and increasing of the height, a pyramid becomes a TOWER
Diminishing corners with a circular base, a pyramid becomes a MOUND

The pyramid appears narrow along the axis

The pyramid appears broad along the diagonal
THE CLASSICAL SHAPE OF A PYRAMID IS MADE UP OF **11 STRAIGHT LINES:**

4 straight lines at the **base**, equal in length
4 straight lines at the **corners**, equal in length
2 straight lines, **diagonals** of the base, equal in length
1 straight line from the **center of the base to the apex**
The pyramidions of Amenemhat III and Khendjer at the apex of their pyramids their perfection extended all the way to the base.
ANCIENT AND MODERN, HEIGHT BY THE ANGLE OF REPOSE

(Height = < ½ the side or diagonal of the base)
THE HEIGHT EXCEEDS THE ANGLE OF REPOSE
(height = < base diagonal)

Dier el Medina

Rome

Richmond Virginia

19th Dynasty BC 1300

1st century BC

Memorial of the civil war
ACCEPTED EXCESSION

Sharp corners
Square base
Straight corners
Rounded corners but short of being mounds

The truncated pyramid of king Khuwi at Dara
The pyramid of the magician at Uxmal
The base is rectangular not square

Step pyramid at Saqqara

Geological pyramid hill Visočica

Temple of inscriptions at Palenque
The corner lines are broken up into steps.
Step Pyramids

Canary Islands

Italy

El Salvador

Korea
The corner lines are showing a double slope
PYRAMID-LIKE MONUMENTS

Ziggurats of Mesopotamia
PYRAMID-LIKE MONUMENTS
BEYOND LIMITS IN SHAPE The base is circular – no corners – no flat sides: Mound, Tumuli, Stupas and Barrows
Silbury Hill
Erroneously:
THE WHITE PYRAMID
By John Cowie
PYRAMID-LIKE MONUMENTS

Tucume structures of the valley of Lambayeque Peru
PYRAMID-LIKE MONUMENTS

Cahokia mounds A.D. 1200
EVERYWHERE CONICAL HILLS

Napoli, Mount Pendolo

Nubia

Baharia Oases western desert
IS THIS A PYRAMID?

No this is a **TOWER** in San Francisco

No **COMMENT** In Phoenix Arizona
HISTORICAL
ARCHITECTURAL
RELIGIOUS
CONCEPTS

HISTORICAL

SQUARE TO RECTANGULAR MASTABA; 4 TO 6 STEP PYRAMID; ACTIVE SERVICE, NEGLECT, DESTRUCTION, DISCOVERY and RESTORATION

The Step pyramid at Saqqara (after J-Ph. Laue 1962)
ARCHITECTURAL RECONSTRUCTION POSSIBILITIES OF A RUINED PYRAMID

Classical (2 options), bent or stepped

The rock knoll of the Brick pyramid (Lepsius 1) at Abu Rawash
THE MSP SEILA OPENS UP A NEW ERA IN PYRAMID ASTRAL CULTS
A *step pyramid* has a platform on top.

A *benben* has a pointed apex.
The 2 stele in the eastern chapel may have been aligned with a Simultaneous meridian transit of Phecda and Megrez signalling almost accurately due-north in the case of Seila.
\( \sim 16\frac{1}{4}^\circ \pm 3/4^\circ \) is the declination of Sunrise at \textit{Wepet Renpet} ca. 2570±30 B.C.
LOCAL SCENARIOS

MEXICO
CHINA
BOSNIA
EXCESSIVE FEATURES WHICH ARE ACCEPTED: MESOAMERICA

LOCAL SCENARIO MEXICO

Huaca del Sol at Teotihuacán

Huaca de la Luna  Chichén Itzá in the Yucatan  Tikal in Guatemala
LOCAL SCENARIO CHINA
GIANT PYRAMID HILLS

classical shape – geologically built; with human intervention?

The pyramid hill Visočica north side

N E corner  N W corner  Image by the artist
GREATER OF ALL
The great pyramid of Khufu was built of limestone blocks of an average volume of one m$^3$ weighing 2.5 metric tons 2.6 million blocks.

This figure comes from the volume of a pyramid being base$^2$X height /3, (230$^2$X148/3) 2,600,000 m$^3$.

The Turin Canon tells us that Khufu reigned for 23 years.

Assuming that the pyramid was built every day of the 23 years of his reign, then we have of building 8395 days.

Working hours for humans should be 10 hours a day, then we have 83,950 hours or 5,037,000 minutes.

To install 2,600,000 blocks in 5,037,000 minutes by robots they have to install ONE BLOCK, EVERY, LESS THAN TWO MINUTES. (1.94 MIN)

By man power the actual procedure was not like this; it had to be much faster rate at the start and slower towards the finish.

ORGANIZED MAN POWER HAD TO KEEP UP THE INTENSITY REQUIRED
SAFETY OF LOGISTICS

An example at the dam at Wadi Garawi

The dam at Wadi Garawi was built to prevent flash floods
CONCLUSION

This brief browsing of pyramid science:

INVESTIGATING: geology, archaeology and architecture and

RESEARCHING: terms, properties, concepts and local scenarios

SHOWS THAT:

AROUND THE WORLD THERE ARE HUNDREDS OF

PYRAMIDS AND PYRAMID-LIKE MONUMENTS

They need to be brought to light.