

Mauna O Wakea Wakea's Mountain



Kulia i ka nu`u
Strive for the summit
"Strive for the very top
of the mountain
Strive for excellence"

- ☞ Wakea-Sky Father
- ☞ Papahanaumoku (Haumea)-Mother Earth
- ☞ Wao Akua-Realm of the Gods



Weki`u O Mauna O Wakea



- ☞ Kukahau`ula
- ☞ Kuahu Lele-Altar
- ☞ December 21, 1998
- ☞ Summit cinder cone
- ☞ Ho`okupu-offerings



Mauna Kea Kuahiwi Ku Ha'o i Ka Malie Mauna Kea is the Astonishing Mountain That Stands in the Calm



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Mele Kumu Honua-Mo'okuauhau-Generational Chant

O Wakea noho ia Papa-hanau-moku
Hanau o Hawai'i, he moku,
Hanau o Maui, he moku,
 Ho'i a'e o Wakea noho ia Ho'ohokukalani.
Hanau o Moloka'i, he moku,
Hanau o Lana'ika'ula he moku,
 Lili-opu-punалу'u o Papa ia Ho'ohokukalani.
 Ho'i hou o Papa noho ia Wakea,
Hanau o O'ahu, he moku,
Hanau o Kaua'i, he moku,
Hanau o Ni'ihau, he moku,
 He ula a o Kaho'olawe.

Wakea lived with Papa, begetter of islands,
Begotten was Hawai'i, an island,
Begotten was Maui, an island,
Wakea made a new departure and lived with Ho'ohokukalani
Begotten was Moloka'i, an island,
Begotten was Lana'i an island,
The womb of Papa became jealous at its partnership with Ho'ohokukalani.
Papa returned and lived with Wakea
Begotten was O'ahu, an island,
Begotten was Kaua'i, an island,
Begotten was Ni'ihau, an island,
A red rock was Kaho'olawe.

Written and translated from Malo, D., *Hawaiian Antiquities*, p. 243

Poli`ahu

Goddess of Mauna O Wakea



Poli`ahu



☞ Kinolau

☞ Eldest daughter



☞ Snow goddesses

Lilinoe

Goddess of the Fine Mist



☞ Haleakala and Mauna Kea

☞ Kinolau-cinder cone at 12,500' elevation



☞ She dresses Poli`ahu's hair

Wai`au



☞ Sacred waters of Kane

☞ Swirling waters

☞ Highest lake in Pacific

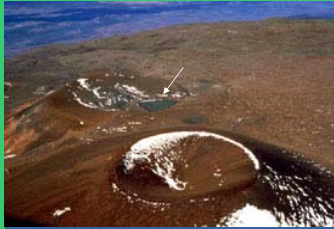


☞ Emerald green

☞ Ka Piko-umbilical cord

☞ Throw piko's in lake

Wai'au



☞ Sits in center of a cinder cone

☞ Last eruption 10,000 years ago

☞ 250' thick glacier



Ka 'Uhane O Wai'au



☞ 'Aumakua- Ancestral Guardian Spirit

• What shape do you see?

• She bathes Poli'ahu, and refreshes her drinking gourd with sweet water, which she can fetch by using her bird form to fly from place to place.

Kahoupokane Goddess of lightning



• Hualalai and Mauna Kea

• A master kapa maker

• Heavy rains from the mountains

• When thunder rolls

• The flash of lightning

• The morning after the storm

Keanakako'i

☞ World's largest

☞ Adze Quarry

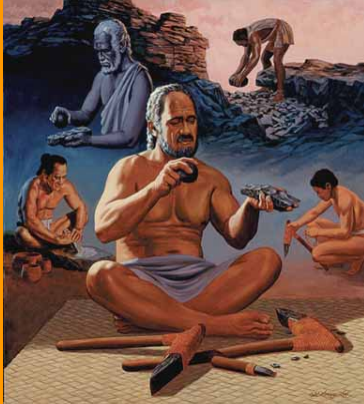
☞ 12,500' elevation

☞ Basalt dense and fine grained

☞ Numerous sites



Po`e Kako`i Adze Makers



Herb Kane

- ☞ Worked the dense basalt
- ☞ Lived in caves
- ☞ Many workshops

Caves

- ☞ Habitat
- ☞ Remnants of lauhala
- ☞ Petrified wood
- ☞ Workshop



Pohaku Kahiko

- ☞ Ancient upright stones
- ☞ Gods and Ancestors
- ☞ `Ohana
- ☞ Directional



Ceremonial Platform

- ☞ Kilo hoku-observing the heavens
- ☞ Approximately 30 large stones
- ☞ 15-20 feet in diameter



Adze pre forms

Round hammer stones & opihi shell used to protect the eyes

- ☞ Used as tools
- ☞ Different sizes, weights, shapes
- ☞ Round stones



Kahalelaukoa Eii

Mamane trees



- ☞ 9,000 foot elevation
- ☞ Firewood
- ☞ Food

Acacia Koa

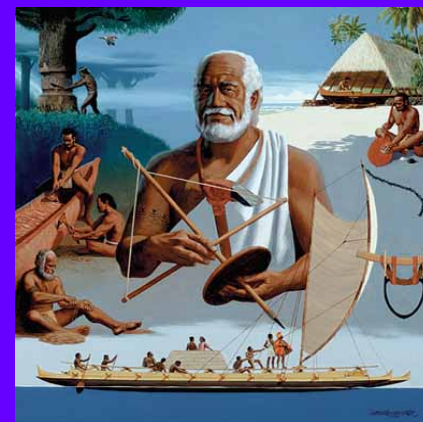


Acacia Koa
Mimosaceae
Gerald D. Carr

- ☞ Favored wood for canoes
- ☞ House timbers
- ☞ Strong, hard wood
- ☞ 5,000-7,000 foot elevation

Kahuna Kalai Wa'a

- ☞ Canoe Building Priest
- ☞ The Kuleana
- ☞ Prayers and protocol
- ☞ Hoailona (signs or omens)



Herb Kane

Elepaio

☞ Kinolau of Lea-goddess of canoe building

☞ How does she show the bad trees, with bugs or rotten wood?



I Ku Mau Mau

One: I ku mau mau

All: I ku wa!

One: I ku mau mau

I ku hulu hulu

I ka lanawao

All: I ku wa!

One: I ku lanawao

All: I ku wa

I ku wa huki

I ku wa ko

I ku wa a mau

A mau ka eulu

E huki e

Kulia!

Stand in Couples

It moves, the Gods begin to run

Stand in couples

Stand in couples

Haul with all your might

Under the mighty trees

Stand in intervals

Stand up among the tall forest

trees

Stand at intervals

Stand at intervals and pull

Stand at intervals and pull

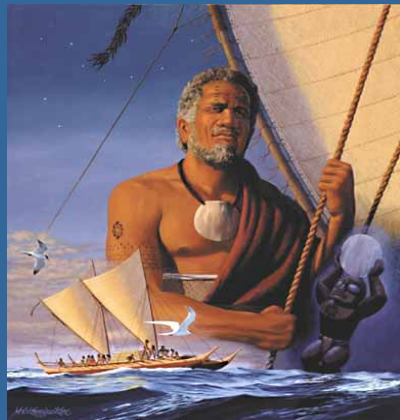
Stand in place and haul

Haul branches and all

Haul now

Stand up my hearties!

Ho'okele



Herb Kane

☞ Navigator/Scientist

☞ Dreams and visions

☞ What did he know?

☞ Gods

☞ Stars

☞ Winds

☞ Clouds

☞ Birds

☞ Currents

Ka Wa'a



Kahalelaukoa Eli

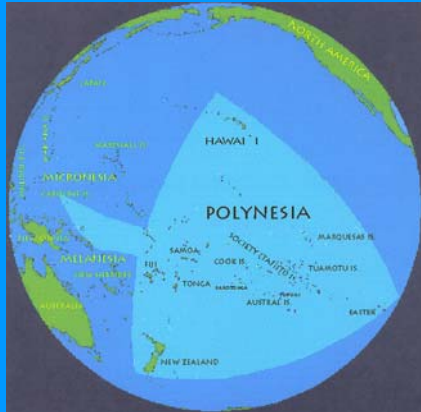
☞ Makali`i (Pleiades, Subaru)

☞ Training vessel

☞ Ancient science of navigation

☞ Have modern equipment

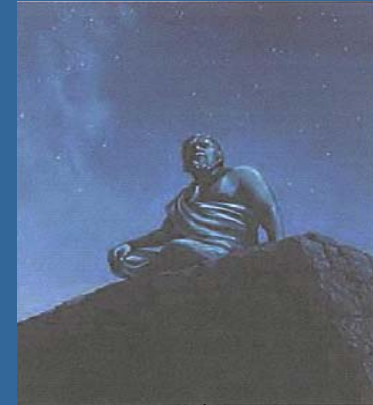
Polynesian Triangle



- ☞ From Hawai'i
- ☞ To Aoteraroa-New Zealand
- ☞ To Rapa Nui-Easter Island
- ☞ Back to Hawai'i

Kahuna Kilo Hoku on Heiau

- ☞ Stargazing Priest on Temple
- ☞ Studies the stars
- ☞ Omens in the heavens



Herb Kane

Telescopes in Wao Akua

- ☞ Modern stargazing temples
- ☞ Sacred in their own way
- ☞ Eyes of Hawaiian skies
- ☞ Astronomers love the mountain and feel it is sacred



Ancient and modern in harmony

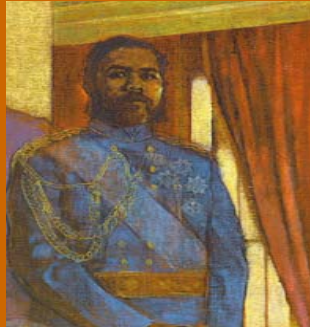
Pupukahi i Holomua

Unite to move forward

"By working together we make progress"



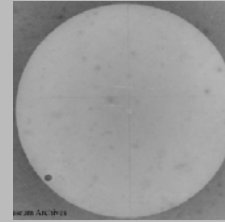
King David Kalakaua



1836-1891

He was a Diplomat and traveled the world in 1881
Was gifted in many fields
Science, Politics, Poet, Musician, Lyricist, Educator
Military Officer, Philosopher, Lawyer

Desire to have a transit in Hawai'i



- ☞ Hosted English Astronomy Expedition "Transit of Venus" in 1874
- ☞ Transit is when a planet moves in between Earth and Sun
- ☞ Only the two inner planets, Mercury and Venus, can show this phenomenon
- ☞ Kalākaua embraced the modern astronomy of his time

King Kalākaua's Address to Astronomers

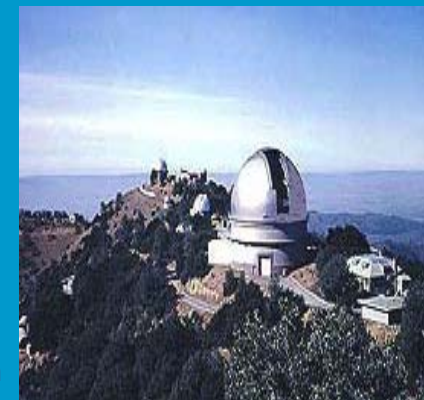


"It will afford me unfeigned satisfaction if my kingdom can add its quota toward the successful accomplishment of the most important astronomical observation of the present century and assist, however humbly, the enlightened nations of the earth in these costly enterprises..."



Lick Observatory

- ☞ Kalakaua visited in 1881
- ☞ San Jose, California
- ☞ Was in favor of modern astronomy
- ☞ Purchased telescopes March 8, 1882



'Iolani Palace Technology and Innovation



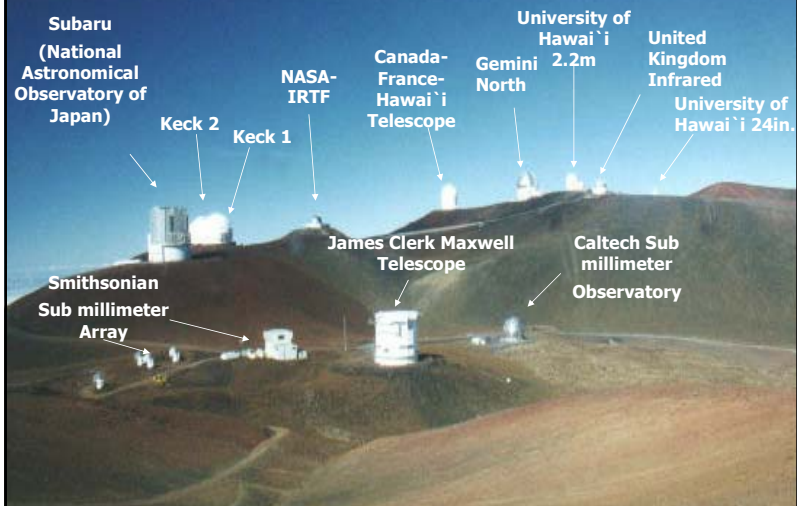
Telephones
'Iolani Palace-1878
White House-1879

Electricity
'Iolani Palace-
1887
White House-
1891

King David Kalākaua's Direction

- ☞ **Establish & Maintain International Diplomatic Relationships**
- ☞ **Embrace Science & Technology**
- ☞ **Educate our Youth in the Sciences**
- ☞ **Perpetuate the Culture & Arts**

Telescopes



Very Long Baseline Array

- ☞ 12,500 ft. elevation
- ☞ 10 array
- ☞ Interferometry 6,000 mile



Hale Pohaku



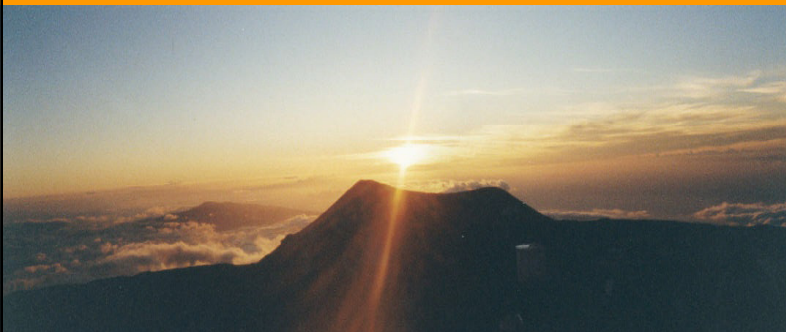
- ☞ 9,300 foot elevation
- ☞ Housing
- ☞ Great cafeteria
- ☞ Offices

Lenticular Cloud



- ☞ High mountains
- ☞ Extremely high winds
- ☞ Awesome sight
- ☞ Hundreds of phone calls

As the Sun Sets Over Poli'ahu



**We Await the Rising of Na Hoku in the Heavens
As We Say Aloha**

Na Hoku (the stars) Rising in the heavens



O na hoku no na kiu o ka lani

"The stars are the eyes of heaven"
The stars secretly observe all

Mahalo to all that have shared their mana'o with me, so that I may share now with you.

A`ohe pau ka `ike i ka halau ho`okahi
All knowledge, is not taught in one school
"One learns from many sources"

Kupuna Leilehua Omphroy
Gary Fujihara-Institute for Astronomy
Dr. Robert McLaren-Institute for Astronomy
Dr. Klaus Hodapp-Institute for Astronomy
Dr. Rolf Kudritski-Institute for Astronomy
Hugh Grossman & Dr. Estelle Young-D&A Enterprises
Ranger Pablo McCloud-Office of Mauna Kea Management
Aunty Nona Beamer
Kumu Leilehua Yuen-Yuen Enterprises
Dr. Richard Crowe University of Hawai`i-Hilo
Dr. Paul Coleman Institute for Astronomy-Manoa
Dr. John Hamilton-University of Hawai`i
Dr. Michael West-University of Hawai`i-Hilo
Dr. Fred Chaffee-W.M. Keck Observatory
Dr. Greg Brenner
Peter Michaud-Gemini Observatory
Dr. Walter Steiger-CalTech Submillimeter Observatory
Herb Kane
Kepa Maly
Mary Kawena Pukui
Tom Whitney
Linda Stevens

There are many others, too many to acknowledge, but you all know who you are.