The Times and Life of CS as Viewed by TOF

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Special Note
Dancing.
The Earth: January 28, 1951

Population: $2.5... \times 10^9 + 1$
AGIOS IOANNIS = Saint John
AGIOS IOANNIS
Κορινθίας

Summer

Winter

Saint John
New Born
Real date : 28-01-51
Official date : 15-01-51

Ortho-material
Greece and the World in the 50ies

**POLITICS and CIVIL LIFE**

**Greece**: End of civil war; years of poverty; suppression of ideologies; Marshall Plan.

**COLD WAR**: US - NATO vs. USSR - Warsaw Pack.

**HOT WARS**: Korea, Dien Bien Phu, . . . .

**SCIENCE**

Bio - brake through: DNA, Polio Vaccine, Immortal cell line.

Nuclear Physics - Chemistry
GREEK CIVIL WAR
1947-50

Divided families crossing the border
Schools with no desks and many orphans
The defeated were:
1. Expelled from public offices
2. Exiled on “Vacation in Long Island”
3. Imprisoned and Persecuted

Makronisos = Long Island "re-formation" camp

Pablo Picasso: The man with the carnation
The Korean War

At the start of the Cold War, communist North Korea went to war with its capitalist neighbour. The bloody conflict lasted from 1950 to 1953.
The Western World in the 50ies

The American Dream

USA: The McCarthy era

Happy Families

Free the Hollywood 10

Another dream in Agios Ioannis
1951. George Otto Gey and Henrietta Lacks: immortal cell line

1952. Jonas Salk: polio vaccine

1953. James D. Watson and Francis Crick: double helix
Survival in a Destroyed Country
MARSHALL PLAN GREECE : $7 \times 10^8
With little brother
The dream
The First Contact of Costas with Meta-Material
QUESTION:
How do you transform *holey sacs* and a small *stone* to a *football*?
Starting Materials

Step 1

Step 2

Step N-2

Meta- Material
Finally the Dream was partially realized
With other children in the village

A typical Greek village had:
No Electricity,
No Running Water
No Radio,
No Many Other Things.

But
the people had:
Dreams, Visions,
Solidarity, Altruism,
Friendships
and
Work Hard

Announcements
Greece and the World in the 60ies

**POLITICS and CIVIL LIFE**


**The Zenith of COLD WAR**: The Cuba missile crises.

**HOT WARS**: Viet Nam

**SCIENCE**


............
The Papandreou Family of Ministers

The Military Junta 1967-74

The Para-state

The Assassinations

Struggle for Democracy

The PAPANDREOU Family of Ministers

The Military Junta

1967-74
The WAR
The deaths:

Vietnamese: 1.5 - 2.0 million

Americans: 58,000

Smash the old world / Establish a new world.

"Be young and shut up,"

Vietnamese: 1.5 - 2.0 million

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"Smash the old world / Establish a new world."

"Be young and shut up,"

Ich bin ein Berliner & I have a dream

The ASSASSINATIONS

THE STUDENT / YOUTH UNREST

Berkley 1964

PARIS, May 1968
"Be young and shut up,"

WOODSTOCK 1969
"Peace & Music"
1963: Morley, Vine, and Matthews: Plate tectonics

1964: Gell-Mann and Zweig: Quarks

1964: Penzias and Wilson
Cosmic microwave background radiation.

1967: Man on the Moon

1960 "Ted" Maiman
Ruby Laser
ILIOUPOLIS = The Sunny City
under the Hymettus Mountain
1960
Swimming in Alimos
Easter in the 60ies
1961 Grade School

1963 1st year in Gymnasium

The hair is growing with the years
In Athens with brother and cousin middle 60ies
In Gymnasium: A clean cut boy
1968 excursion with Gymnasium classmates
UNIVERSITY OF ATHENS: Physics. 1969 -1974
For a single particle with potential energy $V$ in , the Schrödinger equation takes the form:

$$E\Psi = \hat{H}\Psi$$

Early 60ies : The unknown equations to the Physics students:

Why not ??

$$E\Psi = \hat{H}\Psi \quad \rightarrow \quad E=\hat{H}\Psi$$

Gauss: Universities are not really needed. Good and bright students will do well while the others will not.
Κάποτε πρέπει να αποφασίσεις με ποιούς θα πας και ποιούς θα αφήσεις.

Someday you should decide with whom you will go and whom you will abandon.
Greece and the World in the 70ies

**POLITICS and CIVIL LIFE**

**Greece:** The Student uprising against the Junta. The Cyprus war. The beginning of a democratic state.

**COLD WAR:** Nixon in China. The rise of Ayatollah Khomeine

**WARS:** End of Viet Nam. Russian in Afghanistan

**SCIENCE**

Electronic pocket calculator. Word processor. NMR imaging. Skylab orbiting space laboratory MRI scanner. Charmed and bottom quarks found. Dark matter found in galaxies

.............
My parents are missing

1973-4 Student Uprising and the fall of Junta

1974

Preparations for Membership in EU

1972 Nixon and Mao

The New Era in Asia
Prediction of Black Hole Radiation

First personal computer 1977

MRI scanner

Disposable lighter

The first STM

Skylab space laboratory
The Seventies: An important Decade for Costas

The events:

1. He proposed to the Princess of Ilioupolis.

2. He got Married with Angela.

3. He studied in a prominent University (PhD)

4. He changed the earth’s population by:+1
But Tradition is Tradition : Easter 1974
1974
A happy man before Graduate School

Suddenly with a hair cut!
Physics

The Campus the Lake and Down Town

The Chicago Boys and the Atom Bomb

The other guy
Take courses and get at least B+

Get on line:

Solve your Ph.D problem.
New Friends : Chicago 70ies
Spend time with new friends
Baptize  the kids of friends:
Mina Vassalos
With friends after the ceremony
Training friends...Chicago 70ies
With Koumbara: In the 70ies
CHICAGO 1974-78
ORDAINED “Papas” (priest) of the Rockefeller Chapel 1978
Angela was always there
Visiting Ass. Professor
UNIVERSITY OF VIRGINIA
1978-81

Jefferson’s University
The Earth in the Eyes of Costas on:

27 October 1979

Population :  $4.5\ldots \times 10^9 + 1$
+1 = Victor
Equal right for man : Virginia 1979
The 80ies
Fullerenes 1985

Motorola secular phone

Apple Macintosh. CD-ROM.

High temperature superconductors
The Growth of #1
The Ball, the Dog and Disneyland
HELLAS is our Homeland
Iowa State University
Ames National Laboratory
1984- today
A Tenured Track Position in a Prominent American University
A Mature Father and his #1
1988 : Victor, Aristidis, Costas, Dimitris
Niarchos and Victor

Aristides and Costas

ISU: Ames -1986
Collapse of the Berlin wall
The universe is accelerating **1998 – 2000**

**1995 M. Mayor and D. Queloz**

*Extra-solar planet,*

**1991: Tim Berners-Lee  World Wide Web**
DECEMBER 1990:
The brutal assassination of
Basilis Xanthopoulos and Stefanos Pneumatikos

Ξανθόπουλος (1951-1990) and
Σ. Χανδρασέκχαρ, Βασίλης Χ. Ξανθόπουλος:
Life goes on:
“Former Student” Lidorikis Dancing 1990
1991 Ames Team: The dream is partially realized
Socializing with of schoolmate Hirsch in the 90ies
Colaborating with FORTH in the 90ies.
Steriopoulos, Kopidakis, Economou...
With old friends in the 90ies.
Kiousis and others
GREK DANCING
Zeimbekiko, Syrtaki,...
Zorba the Greek

Melina “Never on Sunday”

Manos

Mikis
This is how Prime Ministers and Ministers Forget about the
The Deficit of Greece
Ela mou = Έλα μου = Come to me
~300000 killed
2001 – The first draft of the human genome is completed
The 21st Century for Costas

Full of Scientific Successes

World-wide Recognition

Awards

and

A lot of travelling

The Flying Dutchman

ghosts and spirits
FORTH
Collaborating Stuff
and
University of CRETE
Part Time Faculty
2002-
2004
from Helsinki
to Kyoto
to Athens  OLYMPICS
to Roseburg D.
Maria, Costas, Ekmel, Martin, John, David

The Descartes Group
KOREA 2006
2006 RIO

Eating with Aris, Pavlos, Lefteris, Terje etc.

Next day digesting with Angela in the mountains
The Expelled Unfulfilled Dreams

2007

Rome

Monterey CA
Paris

Warsaw

Morocco

2008
2008 CHINA
RELAXING with FRIENDS in the ISLANDS

Popi

Dimitris
Norway

Sheffield

2009

Cappadocia Turkey: on Costas name day
2009

May in Cappadocia Turkey: on Costas name day

June in Athens: for moral support to a hospitalized friend
2011-May 25:
Honorary Doctor
Free University of Brussels
NA TA EKATOΣΤΙΣΕΙΣ

Be 100 years old Healthy and Productive.

We need you as a Friend.
Thank you for your attention and bye-bye.
Flowers for Rebecca:
The Ames administrative ghost of Costas
Carnations for Maria:
The Perfect Collaborator of Costas
and
the Work – horse of the Conference
Roses for Angela: the Life Supporter of Costas