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CRYING ASHES

Nik Warren



FIRST VOICE

DREAMS OF BIRTH

can we enter to
that love which dwells
hidden in our suffering

burning as pain itself to cry

to cry in the voice we share

to know alone is not alone

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CRYING ASHES:
THE BIRTH OF NUCLEAR MEMORIES

Nik Warren

IN THREE MOVEMENTS

一

NUCLEAR SYLLOGISM

二

THE FIRST DIALECTIC

三

POSTSCRIPT

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Cover: Aerial view of Hiroshima from Enola Gay

Melted Buddha from ground zero, Hiroshima



**NUCLEAR
SYLLOGISM**

BEING

KNOWLEDGE

UTILITY

NATURE OF BEING

You were not born then,
So I am ghost to you.
My Mother was Hiroshima,
Face burned black.
You were not born then.

These years ago
 No years at all
 In this moment different,
 The anthem playing behind the voices
 Whispering in the other room.

I was born with the first cries of drowning men,
 Into this womb,
 The radio thundering spears near my crib.

No, I do not image milk,
 My first dreams
 Are the torn bodies of other children within me,
 Night flashing teeth before swallowing me.

soundless
 the soundless knife
 the soundless club
 freeze
 freeze
 let burn
 a man struck
 a man struck
 this image of
 in time of war
 I am the baby asleep in the audience
 in time
 this image of
 his head gouged
 this image of
 stabbed
 in time
 cut
 a car
 people watching
 in time
 he slips
 the club
 the club



BEING

DYNAMICS

slams
spins
this image of
how steadily the camera view holds
between the cars
how steadily
in time
newsreels
turn
club
turns
he slips
no time
slips
the club
no!
slams
spins
straw snaps
no!
lies
one arm
reaches

DYNAMICS



BEING

people walk
then buy bread
step over him
a car cuts off the camera's view
the photographer walks away
in darkness
the black blood pools
one arm reaches forever
O Mother Hiroshima



BEING

CONSERVATION

KNOWLEDGE

THE NEW PHYSICS

These rocks were my home.
Now, in fog, pale moss growing.

Nothing is wasted.

$$x'^2 + y'^2 + z'^2 = c^2 t'^2$$

relativistic

$$x' = (x - vt) / \sqrt{1 - (v/c)^2}$$

$$t' = (t - vx/c^2) / \sqrt{1 - (v/c)^2}$$

space-time

$$T = E(v) - E(0) = [m_0 c^2 / \sqrt{1 - v^2/c^2}] - m_0 c^2$$

$$E^2 = m^2 c^4 = c^2 p^2 + m_0^2 c^4$$

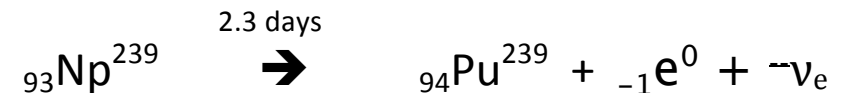
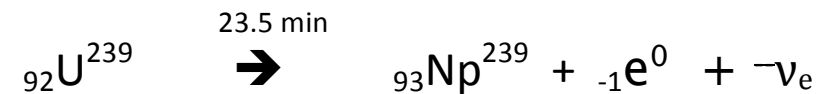
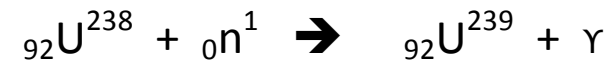
$$E = m_0 c^2 / \sqrt{1 - v^2/c^2}$$

$$E = mc^2$$

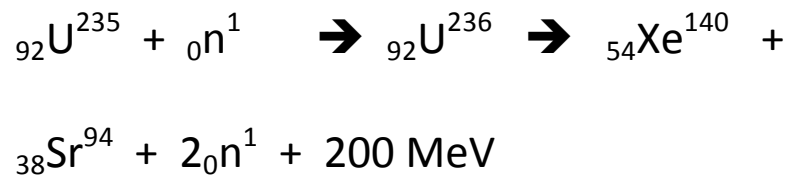
relations of energy to
mass and speed of
light consistent with
relativistic mechanics

$$-(\hbar^2/2m) \{ \partial^2 / \partial x^2 + \partial^2 / \partial y^2 + \partial^2 / \partial z^2 \} \Psi + U(x,y,z) \Psi = i \hbar \partial \Psi / \partial t$$

The wave function describing a
single particle such as occurring
in a fission process



production of plutonium



A decay sequence
of uranium from
bombardment by a
neutron.

The 200 MeV of energy is
that predicted by the $E=mc^2$
above.

relativistic space time : x prime squared plus y prime squared plus z prime squared equals c squared t primed squared : where x prime equals the quantity x minus v t all divided by the square root of one minus v over c quantity squared : and t prime equals the quantity t minus v over c squared times x all over the square root of one minus v over c quantity squared.

the work energy T equals E of v minus E zero which equals the rest mass times c squared over the square root of one minus v squared over c squared all minus m subzero c squared, or E equals m c squared.

The Schroedinger wave equation of a particle pilot wave or the probability function of the wave nature of a mass particle such as a neutron : minus \hbar squared over two m times the operator d squared d x squared plus d squared d y squared plus d squared d z squared acting on ψ plus u at x y z ψ equals i times \hbar d d t of ψ .

92 uranium 238 plus a neutron goes into 92 uranium 239 plus a gamma ray : the u 239 decays in 23.5 minutes into 93 neptunium 239 with the emission of an electron and antineutrino : 93 neptunium 239 decays in 2.3 days into 94 plutonium 239 plus an electron and neutrino producing plutonium of reactor and bomb grade.

Footnote one.

1. Plutonium bomb first tested at Trinity site, near Alamogordo, New Mexico ; later exploded at 17 hundred feet over the city of Nagasaki on August 9, 1945.

92 u 235 plus a neutron goes into 92 u 236 which decays into 54 xenon 140 plus 38 strontium 94 plus two neutrons yielding 200 M e v of energy consistent with $E = mc^2$ and assembled into a super critical mass by means of a gun barrel technique exploded 18 hundred feet over the city. Footnote 2.

2. Hiroshima

 UTILITY OF

PURPOSE

In burning field
flowers scream

in burning air
clouds scream

in burning tree
I am impaled

the wind holds me
the wind
hurtling the sun

through skin
it strips away

through eyes
they melt onto my cheeks

through nostrils
my lungs becoming blood

through ears
piercing them cook them

through mouth
Death enters the seventh cave

O Mother
your tears are boundless
as your love



**THE FIRST
DIALECTIC**

TWO DOCUMENTS

ON PUBLIC DISPLAY

AT THE

LOS ALAMOS SCIENCE MUSEUM

context: 6 August 1945
Hiroshima

telegram:

dated 7 August 1945
from Secretary of War, Washington D.MSG
DTD 8 7 45

To the men and women
of the Manhattan District Project

Today the whole world knows the secret which you have helped us keep for many months. I am pleased to be able to add that the warlords of Japan now know its effects better than even we ourselves. The atomic bomb which you have helped to develop with high devotion to patriotic

duty is the most devastating military weapon that any country has been able to turn against its enemy. No one of you has worked on the entire project or known the whole story. Each of you has done his own job and kept his own secret, and so I speak for a grateful nation when I say congratulations and thank you all. I hope you will continue to keep the secrets you have kept so well. The need for security and for continued effort is fully as great now as it ever was. We are proud of every one of you.

Signed Robert P. Patterson
Under Secretary of War

THEN: 9 AUGUST 1945

NAGASAKI

16 October 1945

D. J. R. Oppenheimer's farewell speech as director of the Los Alamos atomic bomb development, on acceptance of the scroll presented to the Los Alamos Laboratory by Major General Leslie R. Groves, October 16, 1945.

It is with appreciation and gratitude that I accept from you this scroll for the Los Alamos Laboratory, for the men and women whose work and whose hearts have made it. It is our hope that in years to come we may look at this scroll, and all it signifies with pride.

Today, that pride must be tempered with profound concern. If atomic bombs are to be added as new weapons to the arsenals of a warring world, or to the arsenals of nations preparing for war, then the time will come when mankind will curse the name of Los Alamos and of Hiroshima.

The people of the world must unite, or they will perish. This war, that has ravaged so much of the earth, has written these words. The atomic bomb has spelled them out for all men to understand. Other men have spoken them, in other times, of other wars, of other weapons. They have not prevailed. There are some, misled by a false sense of human history, who hold they will not prevail today. It is not for us to believe that. By our words we are committed, committed to a world united, before this common peril, in law, and in humanity.



POSTSCRIPT

HIBAKUSHA*: My 40-kilogram body was blown 7 meters by the blast, and I was knocked out. When I came to, it was pitch black and utterly silent. In that soundless world, I thought I was the only one left. I was naked except for some rags around my hips. The skin on my left arm had peeled off in 5-centimeter strips that were all curled up. My right arm was sort of whitish. Putting my hands to my face, I found my right cheek quite rough while my left cheek was all slimy.

Suddenly, I heard lots of voices crying and screaming, “Help!” “Mommy, help!” Turning to a voice nearby I said, “I’ll help you.” I tried to move in that direction but my body was so heavy. I did manage to move enough to save one young child, but with no skin on my hands, I was unable to help any more... I’m really sorry...

footnote

* Hibakusha ; a survivor of the atomic blast. The speaker, a young girl, was sixteen years old at the time of the blast.

From Kyodo News. Quoted in the text of the Peace Declaration issued by Hiroshima Mayor Kazumi Matsui at a memorial ceremony to mark the 66th anniversary of the atomic bombing of Hiroshima, 2011.

Dear Sister,
The majestic cranes
again fly over
this city
as if you are still here
among the ashes
with what bones are left
reaching out
to the broken cries of others
lost in the blinding darkness
of the flash
your sorrows
without hands
a thousand children
to embrace

come
these thousand cranes
they fly to you

One hundred numbered copies, of which this is number_____

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