HOLE-Y TRINITY

¹ In car driving backwards through the atomic canyon. Joshua trees reaching towards seven celestial bodies in a drained basin. Enter Celestial Body #1 Sun, Celestial Body #2 Moon, Celestial Body #3 Saturn, Celestial Body #4 Jupiter, Celestial Body #5 Mars, Celestial Body #6 Venus, and Celestial Body #7 Mercury, all reading out loud and circling each other. Earth rings like a bell. Every body reaching the same conclusion: their own light is closest to the Sun.
Of course, from one point of view the unhappy events of our own century might be regarded as, say, demonstration ballets on the theme ‘Hydrocarbon Synthesis’ with strong audience participation.

A rainbow is usually seen in the opposite direction in the sky from the sun. The rainbow light is reflected to the eye at an angle of 42 degrees to the original ray of sunlight. The bow shape is actually part of a cone of light that is cut off by the horizon. If you travel toward the end of a rainbow, it will move ahead of you, maintaining its shape. Because the 42 degree angle is measured from each individual observer’s eye, no two people see exactly the same rainbow. Every person is at the center of his or her own particular cone of colored light.

The angle of repose, or critical angle of repose, of a granular material is the steepest angle of descent or dip relative to the horizontal plane to which a material can be piled without slumping. At this angle, the material on the slope face is on the verge of sliding. The angle of repose can range from 0° to 90°. The morphology of the material affects the angle of repose; smooth, rounded sand grains cannot be piled as steeply as can rough, interlocking sands. The angle of repose can also be affected by additions of solvents; if a small amount of water is able to bridge the gaps between particles, electrostatic attraction of the water to mineral surfaces will increase the angle of repose, and related quantities such as the soil strength.

Harvesting star power
Humans were equivalent of heavenly creatures
Destroy human consciousness
Aware we can effect the world on a global scale for first time
Blast knocks us off our axis
Anthropocene that moment
Sound of blast
Decaying plutonium in their bones?
Geopolitical cinema
Carnival
Development of A bomb
Area 51 above ground testing (on atmospherics)
Nevada underground
Planet ringing like a bell
Science funded from defense funding
The moment in time
Dr. Edward Taylor
Nuclear fission 1938 germany
Letter to Roosevelt
Letter to Einstein
Isotope 235
Manhattan military engineering district
M.M.E.D.
Chain reaction
Critical mass
Volume need of fission
Reactivity
Plutonium 238
Isotope of importance
Groves - devotion to determination
Like Oppenheimer (theorist)
Impossible to argue with
Quick to understand
Acquainted with communism
Leftist
Collaboration
Weekly meetings
Insisted on shared consciousness
Site Y
Where the team worked
Robert Server
Glen Seaborg
Henrik S. Tenson
54,000 Acres
Sterling Colgate
Helius springs
Pecos
Pack Trip
Ranch School
Homestead
Mr. Smith and Mr. Jones
Oppenheimer + Lawrence
For wheel or woe
Journey to the west
109 E Palace Ave.
Plateau (Los Alamos)
How to make visual material produced at the right
Tracer amounts
Invisible Amounts
Ultra Scale
P.O. Box 1663
All mail came
1945 Roosevelt dies
Who's next
Symmetrical implosion
Lenses created to project explosion inward
May 7 Detonation
Jumbo detain deterioration
Ground 0
8,000 frames per second
Bomb had a bandaged look
5:30 am test launch
4 am rain
4:45 am
5:09:54 or 20 minutes
5:29:45
V
Face down feet to blast close and cover eyes
Light can only be seen from the stars
A-BOMB
2 Suns
Heat rising before the Sun
Now I become death
Hole-y Trinity
Trinitite
A rain of ruin in the air
Peace returned to world.
Send vibration
Things that you can’t see
Happening below consciousness
Noise signal radio
Geophysics
Noise is more interesting than signal
Wall of water
Sizometer
Drainage
Sage
Mirage
Hiding in plain site
Swell (@night)
Water’s verticality
Illusion of reaching the sky
Meaning flowing inward
Promontory
Golden Spike
Dead end
Head first
Feet out
Cover eyes
Read Ceremony
Atrocity Exhibition
Power of evaporation
Solar power mutant sunflowers
Radiation monitors
Checked monthly
Ie Sunflower
Drain
Evaporate
Cognitive Geometry
Water disappears
How we think of water’s horizontality
The blast was formed by the uplifting and stretching of the earth’s crust
Like a breath
Travelogue for trinity
Sagebrush ocean
Basin as seabed having a hard time.
Victor Hasselblad’s custom cameras.
Astronauts driving 842 lbs of moon rocks
Wanted context of which
Rocks were plucked
Geological cameras mounted to their chest
Old Testament
RA versus Angel
Precursor to Postmodernism
BW material versus color
32 ASA Panatomic film
Big latitude.
Idea of color accuracy a joke
Variations in spectrum
Nothing to compare color temperature to on the moon
Variability
Cultural worker / medium
Interested in presentation
Not
Transformation
Archival threshold
Instability in information
Treasures owned by all = public domain
Unprecedented access to the masters
Discursive spaces of photography
Balistik missles
Cues for interacting
American/politics
Pre-law
Illuminate the earth
Sierra Club
Violence of tool bearing humans
Custody
Security
Magistrate
Diff. b/t propoganda/presentation
They are seeing
Viewers lost
Hyper real clarity of an image
Made about atmosphere
Diffusion print
Hyper-surreal perception that an image gets
= disorientation
= very american picture of the road
15,000 feet
Looking at Mt. Whitney
From Death Valley
Vertigo // There is no up/down in space
Dimensional space
Aerial background-pre-dated
Lunar Terminator
Moon as landscape
Big Iconography
David Hockney
Psychological Journey
Authorship
Simplify it to the place
Show me more moon
‘99 Full
Human / sun > sun > sun > what does light do in a vacuum sealed alphabet of the sunbeam
Rock/radiation
Reflective surface
Light
Intensity of light
Bomb.
Movement from near to far
Mine data
Make meaning of raw data
Charles Duke’s image of family in Houston on the moon
About the River of photography
Making sense of film crews
Our documentation of events were aware of this as theater
You get the spectacular
217 atmospheric
900 underground
Images show no technology
Released to intimidate
Strategic Air Command
Lookout Mt. Air Force station
Directly in Hollywood
Air Force station
Staffed with the best American filmmakers
Mutiny Alphabet
Visual Ruler = Smoke Trails
Cleaned out world’s supply of film for 6 months
1945 - Trinity / Opp
1949 - Soviets Got Bomb
1952
Photography taught us how Bombs worked
Doc Edgerton
High Speed
Brighter light
Exploratorium
No human eye could ever see
Radioactive dirt blown into camera
1963 Aug 5
Agreed not to detonate
E. Teller
(No Photo Evidence)
Can not photograph underground
If we can't see it - it doesn't exist
Computer Simulations
1952
*Moment we figure out how to ignite our own stars*
Light my fire
Perspective of A star
We create our own Geology
1973 S. Engine? Fire?
How do we date that?
Trace radiation in rock strata
‘52 - ‘58 or ‘45 - ‘52
Collective madness
Maximization strain
Minimization strain
Near / Far
Battlefield weapon
To continue the evidence of how we got here
Don’t let it get to you
Make art
(spoken outside of my bedroom window at the burner lounge in Reno)
Precambrian
Rodima - 1ST Supercontinent
750 M - breaks apart
PaPan falasca - all ocean
W. Margin of N. America - breaking up forms shallow marine environment
All o
Sandstone / gravel / limestone
Pan Ocea - breaks
Cambrian explosion
1st metazoans and shells - coincides with four bigger continents (gondwana, Laurentia...)
4 blocks of earth > Paleozoic = early life
Adrodrony - 1st Mt. event
Forms eroded by end of Paleozoic
Deposited a bunch of rocks - marine basins
(Mostly in E. Nevada)
Mesozoic - dinosaurs
Sonomad arodrony
Fold and thrust
W > E Primary tectonic directions
2 characteristics of Nevada Geology
Crusteatious
Severe Agony
Plates: Paralan Plate
Sierras: Platonic (not volcanic)
In an subduction zone
2 crusts
Upwell to magma chamber
Forms pluton = sierras
Large grain
Cools for a long time
Or goes out = volcanic
Large crystals b/c of slow cooling
Thin skinned thrust folding
Geothermal Energy in Nevada
Hot earth
Isostatic Uplift
JJunadafuco
Remains of Farallon Plate
Sand on beach in San Francisco is from Sierras
Paleo Map
Rewind // fast forward
Adrogonies have time to form in magma chamber?
Aerodromes > bringing old stuff up and treated badly
Subductions forms coastal ranges
Headlands // Ribbon chert - bottom of the ocean
Microbial Mat - crust of microbes // anywhere where there is any water

Earth Graveston
John Spahn
Bird dog, bird god,
This is John Spah.
No classified discussion in this building
Hold close to it do you want to get
Different ways to interpret
Sub critical - produces no yield
O yield
String of pearls
Underground - no ocean / no outerspace
Solar power panels power airttest
Mercury
Icecap
After they went through the they went
Sedan crater = peaceful uses of nuclear energy
Baby food, aspirin, or whatever
Los alamos
Medical center
Freedom liberty hall
Sinkhole
Dispose of it in place
Yes we did awful things out here,
We also drove the soviet union to their knees and ended the cold war.
We’ve got you covered”
Visualizing data
Counter terrorism operations supports
Killing weed
demand safety
Deliver quality
Bass ackwards
Improvised explosive device
I love it the play is beautiful
“This is a road less taken”
Wild horses, snakes, blue heron
Coyotes
Uncontrolled
Unpopulated
Sample road kill
contaminated animals - but not mutated
Mother nature is a self limiting ecosystem
The mutants are not reproduced
If they are mutated they are shunned
Vegetation is not sterile
You can see it's coming back
Yucca valley is decisive in size
When you get moisture on the playa it's a hotbed of sexual activity
Horseshoe crab
“Do you guys who want a horseshoe crab is”
“Now I'm going to swear you to secrecy
I'll be staying to far into the unknown
Surface subsidized craters
24,000 feet below
Joshua Tree was named after joshua in the bible
The atomic canyon
We did not have a great way to test the air
They gave me a short while earful about icecap (The british Natives)
It was not a containment failure, it was a geologic failure
The British warhead.
The science is all the same, just with Different effects
We are going to start driving backwards
Bren Tower
Pulsed it
To give it a known radiation force
This is another instance where we did something - the made sense out here
W. M. D.
Ma nature didn’t cooperate
Plan share program
Beautiful use of nuclear energy
Who know what there the nails come from
This is one of those oh my god things.
The atlas madame
Pulsar machine
Antelope at the test site
The Joshua Trees have been through all kinds of hell out here.
NSSA - film clips
If it’s a killer we’ll spill
I will disavow ever telling you this story
This was a play round.
We had pigs in the pen. They wore army uniforms
So that we could test fabric on their skin during the blast

When I lived in New Orleans (after the national levee system failed during Hurricane Katrina in 205) disaster tourism was full on. Driving through storage mounds made of the good type of concrete - the kind that can withstand relatively well - nuclear explosions - I was reminded of the bus tours of the devastated area of the lower ninth ward. Evaluative language on the wonders of material behavior in relationship to a human star ignition power or construction - the bodies obliterated by the models of modern engineering and science, subatomic creatures, seem overwhelming and sweepingly unimpressive. While we hear of the smell of rancid oil as a valiant marker of survival I think of the tragic inhalation and smell of human flesh or pig flesh covered by military garb to test the probability of fabric melting to human skin. There’s another similarity in this tour of the french quadrant of the nevada city test site - Frenchmen street. Here art performs science. Atomic design.

Coyote. (seen three times, then found stalking).

It identifies the van as one of its own. Tool-bearing humans - absorbing myths - to create new ones.

The last thing i Learn, knowledge we came to find out is simply knowledge we put beside each other in different ways more than once

I am sort of diseased with industrial accidents

Rhode runner

Coyote

Why is the flag flying at half mast?

Sun
Moon
Mercury
Venus
Mars
Saturn
Jupiter

An astrologer, of high ambition,
While star-gazing fell down
Into a well. "Sage gentleman,"
Remarked the people of the town,
"How did you think to read the stars, old man,
When you cannot preserve your own position."

This adventure in itself, without going further,
Might serve as a lesson, to most of mankind,
For of us mortals, a certain part inclines,
To the belief, that, with the help of mind,
The book of Destiny may easily be read,
But this book, by Homer and his disciples sung,
What is it called but Chance, by ancients,
And by us Christians named Providence instead.
Now in Chance there can no science be,
Or why should it be called by them Chance —
And things uncertain, who knows in advance?
If all depends upon the fixed decree,
Of Him who does all things, and nothing does unwisely.
How should we read his will,
And know that which from us he would conceal?
Wherefore watch the stars so nicely,
To know how to avoid inevitable woe;
Or how, in future times, our fate will go;
To make us, in the midst of pleasure, sad,
Or with predicted evil, drive us mad,
Convert all blessings into curses dire?
Is this the knowledge to which we aspire,
Is it an error or a crime thus to believe
That future destiny can thus be known?
In place of star-gazing above our head,
Let us confide ourselves to the Great One.
The firmament exists, the stars go on their way,
And the sun shines upon us every day;
And every day, the day is lost in night,
Without our knowing aught else from the sight.
That the seasons come, the crops are ripe,
And in what wood we should look out for snipe,
And some few other things, but for the change
Of day to night, by which the world doth range,
It has not aught to do with Destiny.
Quacks, and ye compilers of horoscopes,
Quit all the courts of princes in Europe,
And take with you all mischief makers
You deserve belief no more than they do.

**Moral:**
This astrologer in the well,
Resembles all of his false art,
Who while they are in danger, dream
That in the stars, they read the happiest theme.

7 **The Trinity**
O blessed glorious Trinity,
Bones to philosophy, but milk to faith,
Which, as wise serpents, diversely
Most slipperiness, yet most entanglings hath,
As you distinguish’d, undistinct,
By power, love, knowledge be,

Give me a such self different instinct,
Of these let all me elemented by,
Of power, to love, to know you unnumbered three.

[*] RADDATZ: Ladies and gentlemen the Republican nominee for president, Donald J. Trump, and the Democratic nominee for president, Hillary Clinton.

(APPLAUSE) COOPER: Thank you. Thank you very much for being here. We’re going to begin with a question from one of the members in our town hall. Each of you will have two minutes to respond to this question. Secretary Clinton, you won the coin toss, so you’ll go first. Our first question comes from Patrice Brock. Patrice?

QUESTION: Thank you, and good evening. The last debate could have been rated as MA, mature audiences, per TV parental guidelines. Knowing that educators assign viewing the presidential debates as students’ homework, do you feel you’re modeling appropriate and positive behavior for today’s youth? COOPER: Thank you, Mr. Trump. The question from Patrice was about are you both modeling positive and appropriate behavior for today’s youth? We received a lot of questions online, Mr. Trump, about the tape that was released on Friday, as you can imagine. You called what you said locker room banter. You described kissing women without consent, grabbing their genitals. That is sexual assault. You bragged that you have sexually assaulted women. Do you understand that?

TRUMP: No, I didn’t say that at all. I don’t think you understood what was — this was locker room talk. I’m not proud of it. I apologize to my family. I apologize to the American people. Certainly I’m not proud of it. But this is locker room talk. You know, when we have a world where you have ISIS chopping off heads, where you have — and, frankly, drowning people in steel cages, where you have wars and horrible, horrible sights all over, where you have so many bad things happening, this is like medieval times. We haven’t seen anything like this, the carnage all over the world. And they look and they see. Can you imagine the people that are, frankly, doing so well against us with ISIS? And they look at our country and they see what’s going on. Yes, I’m very embarrassed by it. I hate it. But it’s locker room talk, and it’s one of those things. I will knock the hell out of ISIS. We’re going to defeat ISIS. ISIS happened number of years ago in a vacuum that was left because of bad judgment. And I will tell you, I will take care of ISIS. COOPER: So, Mr. Trump…TRUMP: And we should get on to much more important things and much bigger things. COOPER: Just for the record, though, are you saying that what you said on that bus 11 years ago that you did not actually kiss women without consent or grope women without consent? TRUMP: I have great respect for women. Nobody has more respect for women than I do.

COOPER: So, for the record, you’re saying you never did that? TRUMP: I’ve said things that, frankly, you hear these things I said. And I was embarrassed by it. But I have tremendous respect for women. COOPER: Have you ever done those things?
TRUMP: And women have respect for me. And I will tell you: No, I have not. And I will tell you that I’m going to make our country safe. We’re going to have borders in our country, which we don’t have now. People are pouring into our country, and they’re coming in from the Middle East and other places. We’re going to make America safe again. We’re going to make America great again, but we’re going to make America safe again. And we’re going to make America wealthy again, because if you don’t do that, it just — it sounds harsh to say, but we have to build up the wealth of our nation. COOPER: Thank you, Mr. Trump. 9

This document is a record of research, readings, and notes. It’s materialization is a result of a presentation of field work on atomic energy, the great basin, fault lines, through a representation of abstract ideas, concrete ideas, second-hand narration, expert knowledge, library knowledge, teacher knowledge, plant knowledge, internet knowledge, people knowledge, and all other kinds of knowledge systems, such as lived experience.

If you are a beginner, there are a few things to know before you get started. Basic Knots. To make any friendship bracelet, you’ll need to know the 4 basic knots. They appear in all of the bracelets. They are the Forward Knot, Backward Knot, Forward Backward Knot and the Backward Forward Knot. For more info on how to make the basic knots, look at the tutorial on Knots used for Bracelets. There are several different mediums available to use when making friendship bracelets. Embroidery Floss. Embroidery floss, such as Anchor, DMC, or J&P Coats is the most widely used thread for making bracelets. It’s 6 stranded, 100% cotton, usually has a luster, and can be separated to make smaller bracelets. When knotted up, the knots look smooth. Craft Thread. This is an economical version of embroidery thread. It’s 6 stranded and smooth, and it’s almost always cheaper. Craft thread is usually bought in packages, and colors are more limited than embroidery thread. Craft thread is a lower quality, so it constantly breaks if pulled too hard. Craft thread has no shiny aspect to it. Rayon: Usually made by DMC, rayon is a silky material. If comes in fluorescent colors as well. Rayon is incredibly hard to keep tied, so it’s not recommended for use in bracelets, especially without regular cotton thread to keep it together. Pearle Cotton. Pearle cotton is available in several different sizes. It has a decent variety of colors. It can be bought in economical packs, which have the same drawbacks as craft floss. Pearle Cotton thread looks as though it’s twisted throughout the string, so when braided, it looks almost textured. Yarn makes larger bracelets, so it’s ideal to use if you want to make a pattern into a bag. I’ve had no personal experience with yarn, so I can’t tell you what drawbacks there are to it. More info on string can be found in the tutorial on String types. Reading Patterns. If you look, there are a bunch of diagrams showing you how to make the bracelets. The things you need to know are: Always do two knots, or your work will twist; always work row by row; and know the symbols for the knots. The arrow slanting right is the Forward knot, the one slanting to the left is the Backward knot. An arrow changing direction to point toward the left is a forward backward knot, and an arrow changing direction to the right is a backward forward knot. Generator. The generator is an awesome tool that lets you create your own patterns and learn how to make them. There are 2 types of generators: Normal Pattern Generator, Alpha Generator BETA. To change the strings in the normal pattern generator, you click the + on the left hand corner, and to subtract click the - that is right next to the plus. To
change color, you can click the top of the thread to change them, and PRESTO! you did it! The code needs to be copied into the first generator in order to be published. The alpha generator lets you create alpha patterns. You create the shape of the pattern you want with the code for your color you want. These patterns are usually used images and names, although name patterns won’t be accepted by the moderators. Name patterns can be made using the font patterns on the site. Fonts can be found typing in the word "font" or "alphabet" in the search bar, selecting alpha, and hitting search. Keep in mind that Alpha patterns are made differently than normal patterns. Patterns There are 2 types of patterns: Regular and Alpha. Both of them are super easy to make and generate. The basic difference between alphas and normal bracelets is the way that they are tied. A normal pattern has a diagram. To read the diagram, use the colors at the top of the bracelet diagram. You should always pair up all the strings and always work side to side. Working diagonally will get confusing, so it’s best to take it row by row. One knot will always be tied over its neighbor string. The little triangles on the sides mean to leave the last two strings to the side and use different pairs. An alpha pattern has a grid. Instead of tying one knot over its neighbor, you tie the background string over all the letter strings. To make the image, tie the letter string over the background sting when it’s time to use the letter string. The letter string knots should be the opposite knots used for the background string in that row. For further help on alpha bracelets, check out the tutorials on alpha patterns and multicolour alpha patterns.
1 Class notes from Fault Lines taught by Donald Fortescue at the California College of Arts. Fall 2016.


5 Class notes from Fault Lines taught by Donald Fortescue at the California College of Arts. Fall 2016.


8 By Rachael Bade and John Bresnahan, By Anna Palmer, By Matthew Nussbaum, By POLITICO MAGAZINE, By David Cohen, By Patrick Temple-West, By Joanna Plucinska, By Rebecca Morin, By John Bresnahan, By Jake Sherman, Anna Palmer and Daniel Lippman, By Bryan Bender, By POLITICO Staff, By Janosch Delcker, By Carmen Paun, By Rob Hoffman, By Michael Hirsh, By Maggie Severns and Theodoric Meyer, By Lauren Gardner, By Daniel Strauss, By Andrew Glass, By Katie Glueck, By Brent Griffiths, By Hadas Gold, By Michael Crowley, By Jack Shafer, By Jenny Beth Martin, By Elana Schor, Burgess Everett and John Bresnahan, By Burgess Everett, John Bresnahan and Elana Schor, By Madeline Conway, By Sarah Wheaton, By Darren Samuelsohn, By Alex Isenstadt, By Michael Kruse, and By J.M. Berger. "Full Transcript: Second 2016 Presidential Debate." POLITICO. N.p., n.d. Web. 22 Nov. 2016.

9 Class notes from Fault Lines taught by Donald Fortescue at the California College of Arts. Fall 2016.

