

IN 1903 HE CAUGHT THE EYE OF PRETTY AIDA DE COSTA, A VISITOR FROM NEW YORK. MUTUALLY SMITTEN, SHE SAID SHE WANTED TO FLY, SO ON JULY 9TH AIDA TOOK TO THE SKY IN HIS NO.9 DIRIGIBLE WITH A HOMING PIGEON – TO SEND A MESSAGE SHOULD SHE STRAY OFF COURSE – WHILE ALBERTO CYCLED BELOW, SHOUTING GUIDANCE. HER FLIGHT WAS A SUCCESS, AND AT NINETEEN SHE BECAME THE FIRST WOMAN TO FLY A POWERED AIRCRAFT SOLO. THOUGH IT WAS A GREAT DATE, THEY WENT THEIR SEPARATE WAYS. ALBERTO NEVER MARRIED, BUT HE KEPT A PHOTO OF AIDA ON HIS DESK FOR THE REST OF HIS LIFE, AND SHE WAS THE ONLY PERSON HE ALLOWED TO FLY ANY OF HIS AIRCRAFT.

STEAM WHISTLE PILSNER









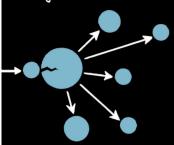
Here, at 5:29 am, the effort of 6000 men and women came to its conclusion.

In a flash brighter than a thousand suns...



trinity

December, 1938: Fission is discovered by scientists in Germany, splitting the atom and unleashing undreamt of amounts of energy. As the news spreads around the world, top physicists immediately grasp the possibility of creating an atomic bomb.



August, 1939: fearing that Nazi scientists may already be working on it, Leo Szilard convinces Albert Einstein to write to President Roosevelt, urging the start of an American-led atomic project.



December, 1941: Pearl Harbor plunges the U.S. into World War II, and the bomb program picks up momentum. Now code named the Manhattan Project, it's headed by General Leslie Groves; the man who built the Pentagon.



At a top secret complex built on the grounds of a former boys school in Los Alamos, New Mexico, the best and brightest scientific minds of the free world are assembled for the task.





Hans Bethe: principal theoretician, driven to join in an effort to stop the Nazis.



Niels Bohr: "the Great Dane", Nobel Prize winner and father figure to many of the assembled.



Enrico Fermi: chief experimentalist, who works on the atomic chain reaction.



Ernest O. Lawrence: inventor of the cyclotron, which produces fissionable material.



Edward Teller: the physicist who advocates the construction of a hydrogen "super" bomb.



And overseeing them all, J. Robert Oppenheimer, chief physicist and director of operations.



Even from youth, he seems a man headed for a special destiny. His brother describes him as someone who needed to make everything he did seem special.

He was the kind of person who,
"If he went off in the woods to
take a leak, he'd come back
with a flower."

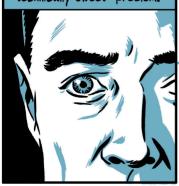




Though unconcerned with current events in his early life, the rise of Hitler and fascism in Europe awakens his political side.

On a train ride from Berkeley to New York, he reads all 3 volumes of Marx's "Das Kapital" in the original German text.

The Manhattan Project gives Oppenheimer the opportunity to use his intellect in the fight against fascism. It also presents what he calls a "technically sweet" problem.

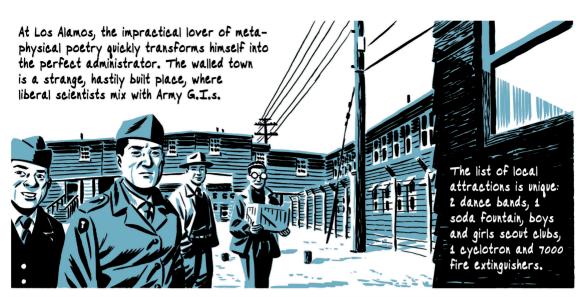


It's an irresistable lure to the scientist – to transform ideas and theories into a working physical device. In hindsight, it's a classic Faustian bargain.



The U.S. Army gave him unlimited resources and Oppenheimer would sell a part of his soul for the chance to unlock and control the basic power of the universe.





Equally unique is the egalitarian makeup of the scientific community. The senior scientists bring their brightest students and their families. There are no class distinctions. Nobel laureates and precocious protéges are all united in one purpose: to beat the Nazis in the race to build the first atomic bomb.



For the professors used to Ivy League corridors and comforts, it's a big change to walk muddy streets and huddle in parkas around coal stoves. There are only 5 bathtubs and water is in short supply. Once, when the taps run dry, they are issued a memo to brush their teeth with Coca-Cola.

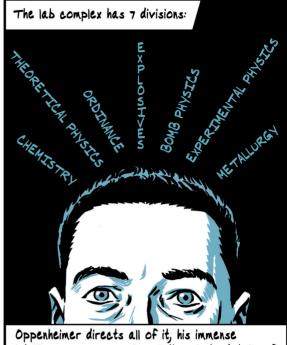


For the young, the project is a grand adventure. They work around the clock, but hold many parties. Alcohol is scarce, so they make do with punch spiked with 200 proof lab alcohol.



From 1941 to 1945, as men die by the thousands across Europe and the Pacific, development on the bomb proceeds at a feverish pace. By 1944, Los Alamos has a population of 6000 scientists and staff.

ANZIO: UNE HONDING SAF BU BLOODY DAY AT MIDINAL SAF BUTTON LESS ROUT NAZIS ROUT NAZ



Oppenheimer directs all of it, his immense intelligence encompassing all the minute details of every department.

With the inclusion of 2 giant plants elsewhere in the U.S. for the production of plutonium and uranium, the Manhattan Project becomes the single most expensive scientific project of all time. The total cost: over 2 billion dollars.



Finally, in March 1945, allied troops enter Germany, on the home stretch to victory in Europe. Soldiers begin raiding bombed out labs, and Army intelligence sees for itself the state of the Nazi atomic program.



The news comes quickly to Los Alamos.

There is no Nazi bomb.

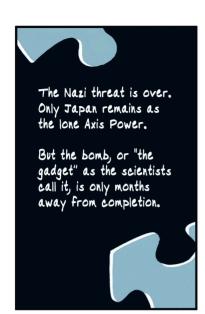


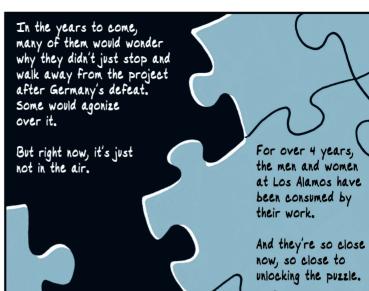
The Germans weren't even close to completing it.

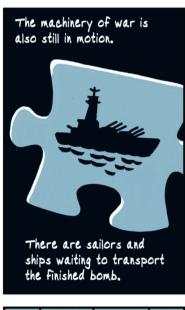
Now the scientists of the Manhattan Project are at a crossroads.

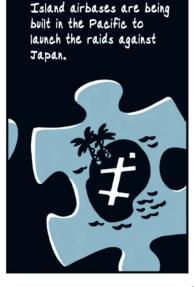
Should they stop work on the bomb? There's no chance that Japan can build one.

Or should they continue and finish building the most destructive weapon in human history?













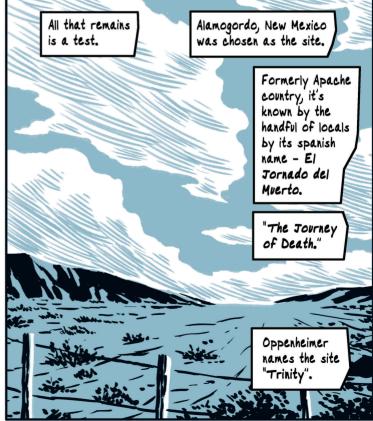


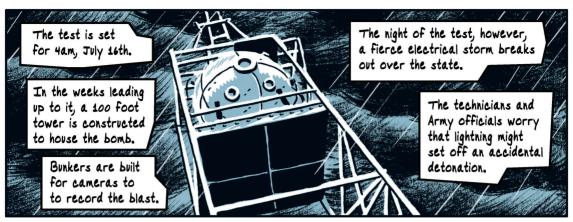












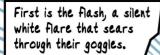










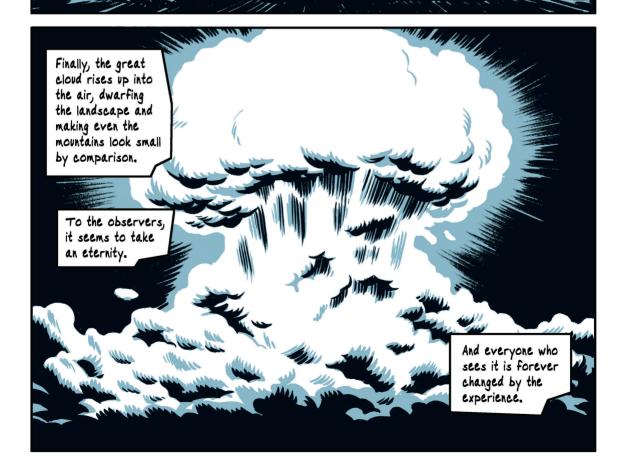


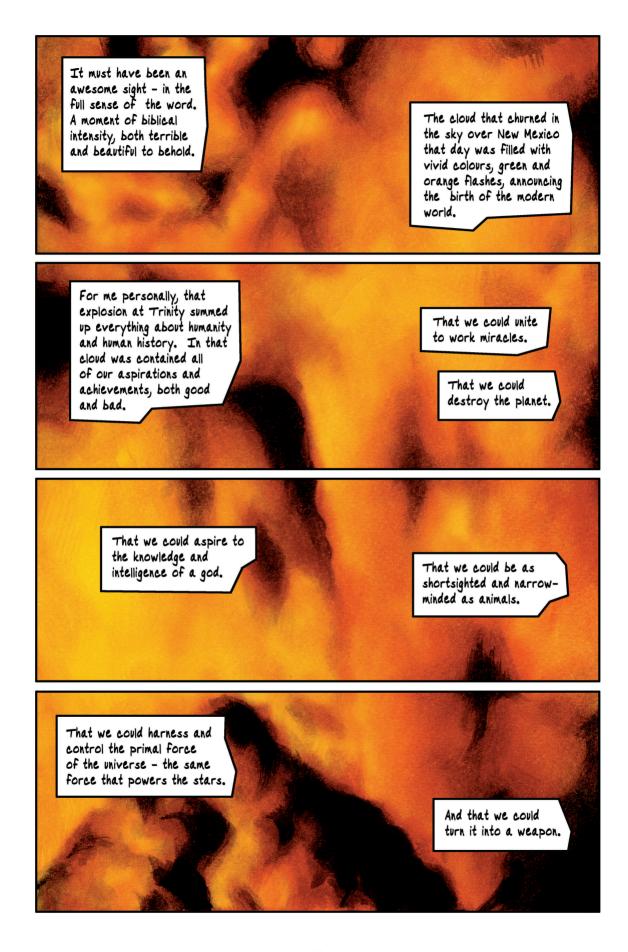
It's bright enough for a blind girl to see it, miles away on a distant road.



The heat flash follows, burning the hair off the hands of scientists in the bunkers, 5 miles away.

A local rancher looking out his window wonders why the sun is rising in the wrong direction.



















What I do know is that the events that followed were complicated.

But the bomb did that - made things complicated.



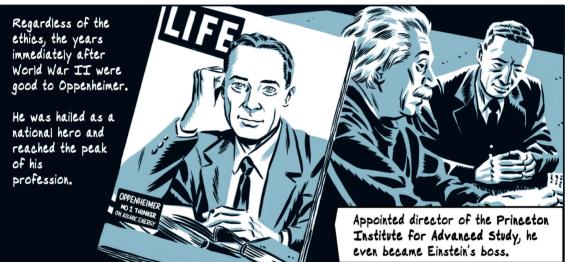
Within a month, the bomb was dropped on Hiroshima and Nagasaki, killing over 220,000 civilians and condemning thousands more to a lifetime of suffering.

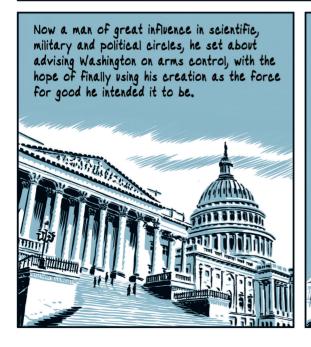


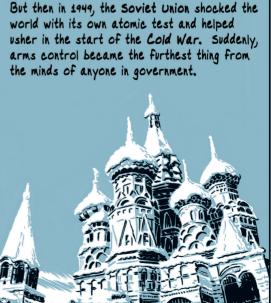
But it ended the war.

The alternative, a land invasion of Japan, would have cost 500,000 lives.













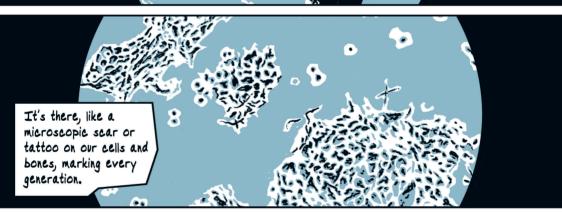


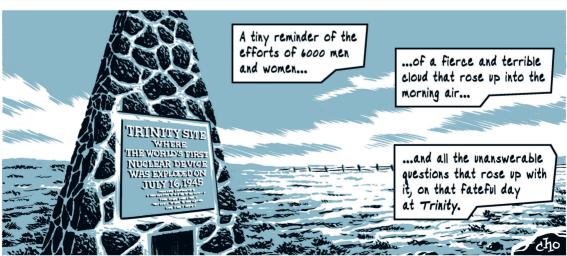


The largest of them carried more than 4000 times the destructive power of the bomb dropped on Hiroshima.



As a result of the fallout from all those tests, everyone on earth now carries trace elements of radioactivity - of strontium and tritium in our bodies.

























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When she was asked why her momand dad didn't make her clean them up she said:



The answer did not sit well with the man...



The man pondered, and pondered...



A week passed...then he got the chance to ask the little girl some more questions.



The man felt sheepish, so he answered truthfully...



She looked at him with her head tilted, then the mouse girl told him.



Satisfied with this knowledge the curious man knew not to press on... enough for now...



A week passed, then there she was...playing with a little fabric creature dangling on a piece of string... but there was no chance for the question.



Another week passed, and the next time he saw her she spent most of her time dressed as a princess...and so the question waited...



Another week... and this day she made a huge, messy painting with her hands... and still the question waited...



After all the kids finished painting, she helped him clean up, and he was grateful.



She tried to wipe the paint from her face with her sleeve, but she couldn't get it all...



The man cleaned all the paint from her face and after he finished with her little nose he said:



More weeks passed...enough time for the question to leave...



She was just a kooky little kid again.



50 the curious man and the mouse girl played 'catch buggy', tossing the squishy rubber blob back and forth.



Eventually she wentaway... Then some other kids came over and talked about the Toonie Lady.



The kids wandered off and the mouse girl returned



and spoke of the witch! OH! YOU MEAN THAT OLD LADY

WHO ALWAYS HAS HER HAND

WAVING IN FRONT OF HER FACE?

YAH! SHE'S ALL BENT OVER WITH SCRAGGLY HAIR AND THAT LONG BLACK CAPE!



So they talked about the witch, then out of the blue she said:



The curious man wondered if she really had a chance.. he asked some obvious questions...



She sang with her tiny, sweet voice, but his oldears couldn't hear everything...



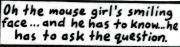
he had to know the words. he couldn't risk guessing.



She spoke the words to him and the question returned.









He has to know...the curious man presses on...he must know.



She's answering a question with a question, and the man feels awkward...he decides to let the question go ... again.





The curious man knew it!
Her mom's probably away, so
she made up a little song...
sigh... messy house...not so
bad. A couple more questions...



The curious man does not know. He doesn't know, and it's too much, but he keeps asking questions...sinking...

WHERE DID SHE

NOW.

DOES YOUR AUNT KNOW? NO... NOBODY KNOWS.

SAID SHE CAN'T SAY. SHE SAID IT'S A SECRET.



I SAW HER WHEN I WAS BORN THEN SHE'S GONE, THEN SHE COMES BACK, THEN SHE'S GONE, THEN SHE COMES BACK AGAIN, NOW SHE'S GONE.





The lit-magazine hater's literary magazine.

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Steve Wilson ("Great Date: Paris, 1903," The Cover) lives in Trinity Bellwoods. Born in the dark years (the early seventies), he has been gainfully employed for some time in various design-related positions, including, but not limited to, photographer, comic artist, interior designer, children's-book illustrator, TV-channel designer, painter, graphic designer, animation director, editorial illustrator, and character designer. Steve also likes Belgium.

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BUT HONESTLY, IT'S MOSTLY COMICS AND GRAPHIC NOVELS. THEY HAVE EVERYTHING! YOUR EYES PROBABLY WON'T BE ABLE TO FOCUS AT FIRST, BUT TRUST ME, THAT'S A GOOD THING. JUST TAKE IT ALL IN, YOU KNOW? THERE'S SO MUCH COOL STUFF HERE YOU'LL PROBABLY NEED TO MAKE A COUPLE OF TRIPS ANYWAY, WHICH IS FOR THE BEST REALLY. I'M SURETHEY'D

APPRECIATE YOUR REPEAT BUSINESS. OH, WAIT, DID I MENTION THAT THEY HAVE A COMPLETE SET OF FIRST EDITION
SANDMAN HARDCOVERS? THEY DO. I THINK THAT'S MORE-OR-LESS IT.





GREAT DATES IN HISTORY - BRAZILIAN ALBERTO SANTOS-DUMONT CAME TO FRANCE AS A TEENAGER TO STUDY SCIENCE. HE SOON TURNED TO AVIATION AND BEGAN BALLOONING. NOT SATISFIED WITH MERELY DRIFTING ON THE WIND, HE BEGAN TO DESIGN DIRIGIBLES AND IN SHORT TIME POPULARIZED STEERABLE, POWERED FLIGHT, GARNERING CONSIDERABLE FAME.

AND IN SHORT TIME POPULARIZED STEERABLE, POWERED FLIGHT, GARNERING CONSIDERABLE FAME.

"LE PETIT SANTOS" WAS ONLY 5'3" AND 110 LBS BUT WAS A NOTABLY SHARP DRESSER AND SHOWMAN. HE WOULD CONSPICUOUSLY FLY
HIS DIRIGIBLES ALL OVER PARIS, OFTEN TO FRIENDS' APARTMENTS OR HIS FAVOURITE CAFÉ, LA CASCADE.