



President Report Meeting 3 July 16

President Report – 16 July

A particularly heart-warming day for us all – having our Charter Member Stan Hibbert convey his sincere greetings and best wishes to RCNB, then for us to enjoy some light hearted pieces from Members as arranged by Sergeant Estelle and then to finish, a wonderful presentation by Eirene Carajias on travelling the Middle East plus her completing Year12 during lockdown – inspirational stuff, especially Eirene's personal time management of each day as if it was a school day but without the travel or competitiveness of fellow students but allowing more special family time. Incredibly positive.

More generally this week, we endured more lockdown with the rampant COVID-19. This did not deter our PE Maurie and his minder Don Taylor from our normal Thursday delivery of food from 2nd Bite in West Heidelberg to Camcare in Camberwell. Also, Geoff Haddy and Adam Hillary delivered the Draft Accounts to Audit in record time, thank you.

On Tuesday night, we went to Perth...by Zoom..... For the Relevance of Rotary in a Post-Pandemic World – bottom line seemed to be that we, as Rotarians, need to capitalise on the vast "Service above Self" achievements to date and the trusted Name of Rotary world-wide as this will hold us in good stead for the future. This is particularly applicable by staying relevant and appealing to local Communities doing it tough at the moment and we should embrace the new technologies discovered during lockdown (e.g. Zoom) to help enable this.

Last week, JaneP hosted a Rotaract Zoom for the team – terrific that I was able to catch up with familiar faces and hear what they are doing during lockdown family wise, socially, and professionally.

This all has led me to think about how our loyal Rotary contacts are travelling in this lockdown. The reality for some is just times of hardship, for others time for innovation and other just wanting an arm around them – virtually of course. I would appeal to Members to consider visiting any of these partners who have looked after us for years and now it is time to support them in any way we can. I especially include Ian Mollison at Helloworld amongst our 22 or more partners named on Thursday night – these partnerships will hopefully stay strong through your connections and support us in the future.

Continued on page 2

Our Leadership



RI PRESIDENT
Holger Knaack



DG Phillip
Archer



AG Eastside
Casey Tan



President
RCNB
Greg Cribbes

**MEETINGS
THURSDAYS
6 for 6.30pm
Kew Golf
Club
120 Belford
Road Kew
3102
Ph.
9859 6848**

Club Diary

Camp Getaway weekend 16-18 October 2020

Fellowship Weekend 23–25 October 2020

Read about Rotary in your area in The Progress Leader
<http://leader.smedia.com.au/progress/>

**APOLOGIES FOR CLUB MEETINGS
NOT REQUIRED UNTIL WE RETURN
TO MEETING AT KEW GOLF CLUB**

Continued from page 1

Ahead we have our first Board Meeting Monday 20th July – please, could you forward any suggestions on new Fundraising initiatives or ideas for Guest Speakers to help share the Rotary knowledge.

Next Thursday, our Guest Speaker is Mathew Loughnane, Kew Golf Club CEO who will share the challenges of running a Golf Club in lockdown. Should be interesting.

All in all, enjoy the week, enjoy staying isolated at home, stay well and continue to Open Opportunities.

President Greg.

A THANKS FROM TREASURER GEOFF TO OUR GENEROUS MEMBERS

Fire Relief Fund

Towards the end of last financial year some member donations were received to assist fire relief, specifically project(s) envisaged by Greg Matthews. These monies are being held, ready for use, in a Fire Relief Fund and total \$1,600.

Other member donations

Members also showed their generosity in donating for patient health packs following the devastation of T.C. Harold in Vanuatu. A total of \$2,304 was transferred to R.C. Port Vila at the end of June.

VSF

The Voluntary Service Fund was established to encourage members who wished to do so, to make voluntary contributions to our SERVICE account in lieu of their normal Rotary weekly expenses. In this way, members can help the Club whilst we are prevented from normal fundraising. Monies raised are not intended for any specific project, but rather to assist general fundraising for SERVICE projects.

In 2019-20 \$6,195 was received. So far in 2020-21 \$590 has been received. If you wish to make a regular or one-off contribution the account to use is RCNB Service BSB 633 000, A/C 146 140 785 being sure to annotate your payment VSF.

Zoom etiquette-Muting and talking at a Zoom meeting.

Whilst the host (The President) can mute all attendees, when you want to talk, you must un-mute yourself.

On the screen there are symbols at the lower left corner of the screen. Move your mouse arrow to this area and the symbols will become accessible. One symbol shows a microphone with a red line through it.

Click on this symbol to un-mute yourself before talking.

Click again on the microphone to self mute.

See you at next Thursday's meeting.



Birthdays and Anniversaries July 19 to July 25

Weddings:	Rowan McClean and Penny Evans
Birthdays	Nil
Inductions	Janie Pirret

From the current edition on Networker. To download click below.

<https://rotarydistrict9800.org.au/documents/en-au/f55bfd57-38a2-42d2-82fc-a76b34140acc/1/>

Club Service tool kit

How to make friends and influence people

Overcoming the cross-cultural challenges of overseas projects

Many of you might relate to visiting an impoverished area in a lesser developed country where children are denied basic education and health services. Of course, there's no welfare system, clean water or toilets, and girls have to stay home from school when menstruating because there are no sanitary products. You might be emotionally moved and determined to do something about it. Many Rotary projects began that way and achieved a lot. However, quite a number have led to disaster.

In one case, members of a Rotary club decided that an overseas village would benefit from a pump to provide more consistent water flow. No-one understood local behaviour and practices. The pump disappeared one week after installation. Another well-meaning Rotarian visiting a developing country thought it would be a good idea to provide toilets in a school. They were built but never used because western toilets were completely foreign and made the students feel uncomfortable, hence they continued to use the river.

There are many more examples like this and the huge lesson is that having a good heart is not enough. The best ideas won't work unless the local community is consulted and committed to achieving them through a competently managed change process. Nevertheless, it's really important that Rotarians become involved in overseas projects so following are ways to negotiate cross-cultural endeavours.

Diplomacy

First and foremost, consult the diplomatic policy filter. The Australian Department of Foreign Affairs publishes a list of eligible countries and if the country is not on that list, the proposed project will not receive government or Rotary support.

How not to incite an international incident

As a matter of policy, Rotary steers away from projects that involve politics or religion and strives to remain impartial and neutral. Avoid involvement in activities that might be seen by host governments as interfering in their affairs.

Culture

Understanding cultural differences is critical. Making decisions about what to do from our comfortable armchairs is unlikely to produce sustainable solutions. Unless we understand what the people both need and want, with the best will in the world, we run the risk of doing the wrong thing.

Equally, significant change is likely to encounter resistance. The 'not invented here' mindset quite often forms a formidable barrier. The skill is to gain the trust of the local communities to work with you and gradually take ownership.

Begin with something that the potential beneficiaries are familiar with. This will enable you to achieve runs on the board, develop relationships and demonstrate commitment. This is so important because communities in developing countries often have a history of broken promises and stalled projects. Those poor experiences may generate a high level of skepticism.

There are going to be many challenges, including human rights and unorthodox practices, which raise issues for us who come from an egalitarian society. Decide what you are prepared to accept, and determine how you might ensure that funds and assistance get to the intended beneficiaries. For instance, how do you ensure that the medical contents of a DIK container doesn't disappear onto the black market?

Usually, you'll need trustworthy partners on the ground and community consultation to enable the lifestyle improvements you are working towards to be effective. Know the differences between your beliefs and values and those of the people you're trying to assist, and how that impacts their behaviour, so you can communicate and work together effectively. Rotary insists on a community assessment before it will consider a global grant application. That's because this lesson has been learned the hard way, and the process will increase the probability of success.

Finding areas of common ground can help achieve greater understanding. For example, how do people in their society relate to each other, what are their attitudes to space and time, what is their mode of activity, what do they believe about good and evil, and how do they relate to nature? This knowledge underpins the development of sound relationships with people who are different from you.

In a country where there's no welfare, jobs are scarce or pay minimal, where people need to scrape together what they can to survive, those circumstances can result in activities which you might disapprove of. However, we need to ask ourselves, whether this activity is morally wrong, a matter of survival, or greed. In many cultures enough is never enough, and power creates opportunities for corruption.



Rotarians are wonderfully caring people and don't shirk from a challenge. By all means take action on the situation you want to change, but make it thoughtful well-planned action and, wherever possible, form a partnership with the intended beneficiaries.

Rowan McClean

The Centenary of the 'Spanish Flu' in Australia

Historian Dr Peter Hobbins, University of Sydney, researched this article on the extent and effect of the 'Spanish Flu' in Australia.

Most of us have heard of the 'Spanish Flu', but few of us would have known that in 1919 about one third of all Australians were infected - 1,600,000 in a population of 5 million, with 15,000 dead within a year. Worldwide, it killed an estimated 50-100 million people - at least three times all of the deaths caused by the First World War.

The Rookwood cemetery near Sydney bears some interesting headstones. One such headstone captures a family's double burden of grief. The grave contains the remains of 19 year-old Harriet Ann Ottoway, who died on 2 July 1919. Its monument also commemorates her brother Henry Charles Ottoway, who 'died of wounds in Belgium, 23rd September 1917, aged 21 years'.

While Henry was killed at a famous battle in Belgium, Harriet's headstone makes no mention of her own courageous battle with 'Spanish Flu', how she nursed a dying aunt and tended a sister that had the disease, and despite taking the recommended precautions she contracted the infection and later died in hospital.

Harriet's story typifies the enduring public silence around the pneumonic influenza pandemic of 1919. It's true that Australians of my and later generations were not made aware that the 'Spanish Flu' had caused so much grief and disruption in Australia even though one third of the population were affected.

There was no doubt about the medical and social impact of the 'Spanish Flu'. While victims suffered the typical signs and symptoms of influenza, a frightening high proportion became worse very quickly. Patient's lungs filled with fluid and they struggled to breathe, which is why it became known as 'pneumonic influenza'.

It wasn't just victims who were affected. Across Australia, regulations intended to reduce the spread and impact of the pandemic caused profound disruption. The nation's quarantine system held back the flu for several months but in the end the crisis led to the closure of schools, churches, theatres, pubs, race meetings and agricultural shows.

Despite the disruption fear and personal risk, tens of thousands of ordinary Australians rose to the challenge. The wartime spirit of volunteering and community saw many groups step up to staff relief depots, delivering comforts to those in hospital and caring who were critically ill or convalescent.

Eventually the 'Spanish Flu' virus disappeared as the community infection reached a point of saturation. It would be devastating if this were the end point for Covid 19 in Australia. On the other hand, if we follow the current recommendations of our Chief Health Officer to wear masks in public places, and wash our hands regularly, we may avoid this disaster.

Geoff Steinicke

Second Bite Roster July/Aug`20

The Roster to collect food from 2nd Bite and deliver to Camcare.

Food is picked up from 2nd Bite between **8:15 and 8:45 am** every Thursday and delivered by **9:45 am** to Camcare.

Food is then sorted by Camcare staff for their 11:00 am distribution to the under privileged.

Please contact **Garth Symington** on mobile 0419 519 899

Date		Volunteer Driver	Team Members NOT available
23	July	Don Taylor	Garth Symington is in Anglesea and is unavailable
30	July	Don Taylor	until after lockdown
6	Aug	Colin Sharp	
13	Aug	Geoff Haddy	
20	Aug	Greg Cribbes	
27	Aug	Jim Studebaker	
3	Sept	Rob Head	
10	Sept		
17	Sept		
24	Sept		
30	Sept		
1	Oct		

A business was looking for some office help

A business was looking for office help. They put a sign in the window which stated the following: "HELP WANTED. Must be able to type, have computer skills and be bilingual. We are an Equal Opportunity Employer".

A dog trotted up to the window, saw the sign and went inside. He looked at the receptionist and wagged his tail, then walked over to the sign, looked at it and whined a bit.

Getting the idea, the receptionist got the office manager. The office manager looked at the dog and was surprised, to say the least. However, the dog looked determined, so he led him into the office. Inside, the dog jumped up on a chair and stared at the manager. The manager said: "I can't hire you. The sign says you have to be able to type".

The dog jumped down, went to the typewriter and proceeded to type out a perfect letter. He took out the page and trotted over to the manager and gave it to him, then jumped back up on the chair. The manager was stunned, but then told the dog: "The sign also says you have to be good with a computer".

The dog jumped down again and went to the computer. The dog proceeded to enter and execute a perfect spreadsheet that worked flawlessly the first time.

By this time, the manager was totally dumb-founded! He looked at the dog and said: "I realise that you are a very intelligent dog and have some interesting abilities. However, I still can't give you the job".

The dog jumped down and went over to a copy of the sign and put his paw on the sentence about being an Equal Opportunity Employer.

The manager said: "Yes, but the sign also says that you have to be bilingual".

The dog looked at that manager calmly and said: "Meow".



The Blue Line

There is a request for the community to engage with Victoria Police via an online survey which will assist us in delivering stronger community based policing. It is hoped that the take up of the survey is strong so we can get a better understanding of what the community expectation and needs are and we can continue to build stronger relationships.

Thank you. Campbell Mill - Inspector - Whitehorse PSA

Community Connection (CommConnect) Survey - 2 minutes of your time to help us to help you.

Survey address is <https://engage.vic.gov.au/victoria-police-community-connection-project/victoria-police-boroondara>

Rural Ramblings

Received in an email

Poor old Granddad's passed away, cut off in his prime.
 He never had a day off crook – gone before his time.
 We found him in the dunny, collapsed there on the seat,
 A startled look upon his face, his trousers around his feet.
 The doctor said his heart was good – fit as any trout,
 The Constable he had his say, 'foul play' was not ruled out.
 There were theories at the inquest of snakebite without a trace,
 Of redbacks quietly creeping and death from outer space.
 No-one had a clue at all – the judge was in doubt,
 When Dad was called to have his say as to how it came about.
 'I reckon I can clear it up', said Dad with trembling breath.
 'You see it's quite a story – but it could explain his death.'
 'This here exploration mob had been looking at our soil
 and they reckoned that our farm was just the place for oil.
 So they came and put a bore down and said they'd make some trial.
 They drilled a hole as deep as hell, they said about three miles.
 Well, they never found a trace of oil and off they went, post haste.
 And I couldn't see a hole like that go to flamin' waste,
 So I moved the dunny over it – real smart move I thought.
 I'd never have to dig again – I'd never be 'caught short'.
 The day I moved the dunny, it looked a proper sight,
 But I didn't dream poor Granddad would pass away that night.
 Now I reckon what happened - poor Granddad didn't know,
 The dunny was relocated when that night he had to go.
 And you'll probably be wondering how poor Granddad did his dash –
 Well, he always used to hold his breath
 Until he heard the splash.



Imre's jokes from the last Zoom Meeting:-

A married man was having an affair with his secretary. One day, their passions overcame them in the office and they took off for her house.

Exhausted from the afternoon's activities, they fell asleep and awoke at around eight pm.

As the man threw on his clothes, he told the woman to take his shoes outside and rub them through the grass and dirt. Confused, she nonetheless complied and he slipped into his shoes and drove home.

"Where have you been?" demanded his wife when he entered the house. "Darling", replied the man, "I can't lie to you" "I've been having an affair with my secretary. I fell asleep in her bed and didn't wake up till eight o'clock"

The wife glanced down at his shoes and said,

"You liar! You've been playing golf "

Bob was in trouble. He forgot his wedding anniversary. His wife was really angry. She told him "Tomorrow morning, I expect to find a gift in the driveway that goes from 0 to 200 in six seconds. AND IT BETTER BE THERE!"

The next morning he got up early and left for work.

When his wife woke up, she looked out the window and sure enough there was a box gift-wrapped in the middle Of the driveway.

Confused, the wife put on her robe and ran out to the driveway and brought the box back in the house.

She opened it and found a brand new bathroom scale.

Bob has been missing since Friday

A wife comes home late one night and quietly opens the door to her bedroom. From under the blanket, she sees four legs instead of just her husband's two.

She reaches for a cricket bat and starts hitting the blanket as hard as she can.

Once she's done, she goes to the kitchen to have a drink.

As she enters, she sees her husband there, reading a magazine.

He says, "Hi darling, your parents have come to visit us, so I let them stay in our bedroom.

Did you say hello? "

Daily Jokes: A kangaroo kept escaping from the zoo

A kangaroo kept getting out of his enclosure at the zoo. Knowing that he could hop high, the zoo officials put up a ten metre fence. But the next morning he got out again, and was found roaming around the zoo. A twenty metre fence was put up. But again he got out.

When the fence was forty metres high, a camel in the next enclosure asked the kangaroo: "How high do you think they'll go?"

The kangaroo said: "About a thousand metres, unless somebody starts locking the gate at night!"

A little girl was grounded for acting up

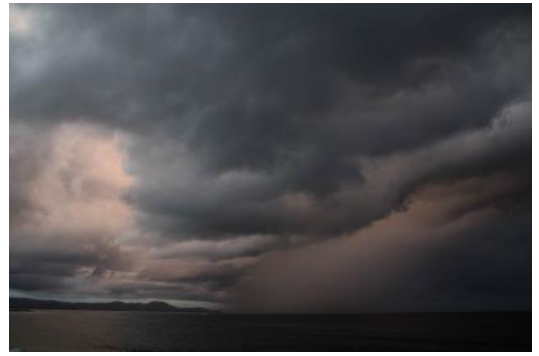
The minister's six-year-old daughter had been so naughty during the week that her mother decided to give her the worst kind of punishment. She told her she couldn't go to the Sunday school picnic on Saturday.

When the day came, her mother felt she had been too harsh and changed her mind. When she told the little girl she could go to the picnic, the child's reaction was one of gloom and unhappiness.

"What's the matter? I thought you'd be glad to go to the picnic," her mother said.

"It's too late!" the little girl said. "I've already prayed for rain."

More travel photos from Past President Peter Sutherland and wife Sally



**GOOD
MORNING
INMATES**

Self quarantine day 23. Sent the cat for groceries.



**I NEED A
HUG^E**
PINT OF
BEER.

Parent observation:
if you quietly open a
chocolate bar, a child will
appear nearby.
Even if he was sleeping.
At Grandma's. In another city.

© BRIGHTSIDE

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Brain cells, hair cells
and skin cells - they all
die constantly, but
freaking fat cells seem
to have eternal life..

@serenawilliams wow nailed it 🙌🙌🙌🙌🙌🙌



Serena Williams

Sunday at 10:46 AM · 🌐

I'm sick of COVID-19. I'm sick of black vs. white. I'm sick of Democrats vs. Republicans. I'm sick of gay vs. straight. I'm sick of Christians vs. atheists. I'm REALLY sick of the media. I'm sick of no one being allowed to think what they want & feel what they do without offending someone. I am sick of the nosey ass people who call the cops when anyone does anything they don't approve of. I am sick of blaming the whole for the sins of a few.

We're one race—the human race. You want to support President Trump? You do you. It's your choice. You want to support Biden? Fine... also your choice! You want to believe in God? Okay, believe in God. You want to believe in magical creatures that fly around & sprinkle fairy dust to make life better? Awesome... you do you.

BUT stop thrusting your beliefs on others & not being able to deal with the fact that they don't have the same exact mind-set as you. Having our own minds is what makes us all individual and beautiful. If you can't handle the fact that you may have a friend that has opposing views as you, then you are not any better than the bigots and the racists. I don't have to agree with everything you believe to be a decent human being & your friend ❤️

Everyone take a read

"I've finally reached The Wonder Years"

Wonder where
I parked the car?

Wonder where
I left my phone?

Wonder where
my glasses are?

Wonder what
day it is?

Madly Odd

Paddy is painting his lounge, his wife walks in and can't believe how well he's doing, but the sweat is dripping off him. She says "Why are you wearing a leather jacket and a Parker!?"

Paddy says "HELLOOOOO! Read the _____ tin, it says, for best results put two coats on!!"

ANDREW'S ISLAND



So you wanna explain how the hotel quarantine went wrong again Little Buddy???

Things I'm Super Good At

By I Might Be Funny

1. Running. Late, that is.
2. Forgetting someone's name two minutes after they tell me.
3. Making plans...then regretting making plans.
4. Thinking of a great comeback – an hour later.
5. Digging through the trash for the food box I just threw away, because I already forgot the directions. © I Might Be Funny
6. Adding items to online carts & then deleting.
7. Eating other people's french fries on the way home from the drive-thru.
8. Googling my ailments. Then panicking.
9. Forgetting about the laundry – until I'm in bed.
10. Calculating how much sleep I'll get if I can just "fall asleep right now".

Burger King makes its cows less gassy to cut greenhouse gas emissions



Burger King has started feeding its cows a lemongrass supplement to cut their methane emissions

As tasty as cows are, their greenhouse gas emissions aren't quite so palatable. In an attempt to clean up the agriculture industry a little, Burger King has now announced that it will start feeding its cows a new diet that can reportedly cut methane emissions by as much as a third.

According to the [United Nations' Food and Agriculture Organization](#), livestock is responsible for as much as 14.5 percent of all anthropogenic greenhouse gas emissions. Much of this is in the form of methane produced by [microbes](#) in the animals' gut, before being belched or farted out into the atmosphere.

Scientists have been experimenting with different food supplements that can make them a little less gassy, including [fish oil](#), [seaweed](#), [tropical leaves](#) and other [new compounds](#). Now it looks like lemongrass can be added to the list.

Burger King, along with scientists from the Autonomous University of the State of Mexico and University of California Davis, found that adding dried lemongrass leaves to the animals' daily feedstock reduced their methane emissions. Just 100 grams of the stuff per day was enough to reduce emissions by as much as 33 percent per day, the team says.

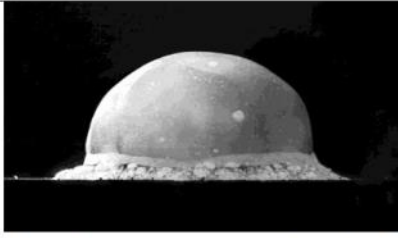
Rather than keep it a trade secret, the new formula is being released open source, with Burger King encouraging other food companies, farmers, meat producers, and the rest of the industry to run with it.

While reducing emissions by a third is a decent effort, it's kind of a drop in the bucket considering the larger agricultural impacts on the environment. Deforestation is a major issue, and greenhouse gas emissions continue to be made along every step of the chain.

In response, Burger King says that this is just one step in its overall sustainability strategy. The company says it plans to eliminate deforestation from its supply chain by 2030, and is taking steps to reduce its carbon footprint in other areas too. It's also recently started selling the [Impossible Whopper](#), a plant-based version of the burger.

The Reduced Methane Emissions Beef will be available in five Burger King stores in the US from July during an initial trial run. Eventually, the company says it will be integrated into the usual supply chain to replace the existing beef.

75 years ago, the Trinity atomic bomb test changed the world forever



Trinity milliseconds after the explosion



Trinity base camp



The Trinity shot tower



The Gadget assembled



The Trinity Test was the first detonation of an atomic weapon

Today, July 16 marks the 75th anniversary of the first detonation of an atomic bomb. Now famous as the Trinity Test, the giant explosion was the culmination of the ultra-secret Manhattan project and would within weeks lead to the end of the Second World War and usher in the Atomic Age.

On July 16, 1945, at 5:29 AM, the predawn darkness on what was then the United States Army Air Force (USAAF) Alamogordo Bombing and Gunnery Range in the Jornada del Muerto desert about 35 miles southeast of Socorro, New Mexico, was suddenly lit up with the light of a thousand suns. As a collection of the world's leading scientists looked on from a safe distance, an ordinary-looking steel tower vanished in a fraction of a second as the world's first plutonium bomb instantaneously converted matter into energy.

That day was the sharp end of three years of hard work carried out in a boomtown that is now the Los Alamos National Laboratory. Back then it had a population of 6,000 living in a collection of mud streets, hastily erected wooden buildings and five bathtubs, and it was the center of the Manhattan project – the highly secret Allied effort to build the atomic bomb.

It began life originally as a British weapons project, but with the British Isles under constant German bomber attack, and every factory turned over to cranking out conventional weapons, it was decided to pool Britain's efforts with the Americans, resulting in the Manhattan project coming to life in June 1942.

Today, weapon development is highly evolutionary, building on the work that has been done by others going back decades, if not centuries, but the Manhattan project was about as close to starting from scratch as one can imagine. When project began under the leadership of Brigadier General Leslie R. Groves and physicist J. Robert Oppenheimer, they were working almost entirely on theoretical work and a few laboratory experiments. To give an idea of how far they had to go, in those days, there was only enough plutonium in the world to cover the head of a pin – nowhere near enough to build a bomb, even if they were sure it could be done.

Fast forward to 1945 and the physicists and engineers at Los Alamos had produced two prototype nuclear devices. One was a simple design that worked by an explosive charge in a tube that

Continued on page 12

Continued from Page 11

slammed two plugs of uranium-235 together, resulting in a critical mass that set off a chain reaction as the uranium atoms burst apart, spewing out neutrons that split more uranium atoms in a cascade of destruction.

The uranium bomb was so simple that the scientists didn't feel it necessary to test it, but the second bomb, called the Gadget, was much more sophisticated. The Gadget used the man-made radioactive element plutonium instead of uranium. Instead of a simple tube, the plutonium was formed into a near-solid sphere surrounded by explosives, a web of detonators, and acoustic lenses to make sure the resulting explosive wave imploded the plutonium sphere correctly to start the chain reaction.

Some sort of test would be needed to make certain that the plutonium bomb, which was subsequently used against the Japanese city of Nagasaki, would work. At first, the idea was to do a low-power explosion, but Oppenheimer opted for a full-scale test, which was code-named "Trinity."

By May, a 100-foot tall steel tower was set up at the Alamogordo site along with a base for 160 people, which swelled to 450 on the day of the test. Because of the high level of secrecy, the US Army accidentally bombed the area twice.

Like a Hollywood spectacle where the big scene means destroying the set, the test could only be done once. The Manhattan team set up cameras and instruments, including a lead-lined tank, to make sure that every millisecond of the test and every scrap of data was recorded. As the scheduled test time loomed, atop the tower and shrouded in tarps, the globe-like Gadget was assembled by seven men and the intricate networks of wires were connected to the detonators. Then the entire bomb was sealed inside a steel container called Jumbo that would prevent the plutonium from scattering if the test proved a dud.

As if there wasn't enough tension, there were also a string of electrical storms passing through the area, raising the prospect of the tower being hit by lightning.

About 10,000 yards away from the tower, shelters were set up. Among the Army personnel and the civilian scientists and technicians were Groves, Oppenheimer, and VIPs Richard Tolman, Vannevar Bush, James Conant, Brigadier General Thomas F. Farrell, Charles Lauritsen, Isidor Isaac Rabi, Sir Geoffrey Taylor, and Sir James Chadwick.

While waiting for the explosions, the scientists took dollar bets on how big the yield from the bomb would be. Edward Teller took 45,000 tons of TNT, Oppenheimer bet 3,000 tons, Rabi bet 18,000 tons, Hans Bethe had 8,000 tons, and Enrico Fermi took side bets on incinerating the state of New Mexico or the entire planet.

When the bomb went off, few actually saw the explosion. Most did as they were ordered and turned their backs. Others, like Teller, saw it using goggles and suntan lotion for protection. Meanwhile, a young Richard Feynman reasoned that the only real danger from the bomb at that distance was from hard ultraviolet rays, so he sat in an Army truck and watched from behind the protective glass windscreen, making him the only one to see the test with the naked eye.

We knew the world would not be the same. A few people laughed, a few people cried. Most people were silent.

The Gadget detonated as planned, releasing a yield of 22 kilotons. The tower was vaporized, and a 5-foot deep crater was blasted out of the desert floor, which was converted into glass by the tremendous heat flash, creating a new mineral called trinitite. Above the site, the first atomic mushroom cloud turned golden, purple, violet, gray and blue, rising 7.5 miles into the sky as a pair of B-29 bombers circled to record the event at a distance. On the ground, the observers felt a wave of heat like the open door of an oven.

"We knew the world would not be the same," said Oppenheimer in a 1965 interview. "A few people laughed, a few people cried. Most people were silent. I remembered the line from the Hindu scripture, the Bhagavad Gita; Vishnu is trying to persuade the Prince that he should do his duty and, to impress him, takes on his multi-armed form and says, 'Now I am become Death, the destroyer of worlds.' I suppose we all thought that, one way or another."

Today, the Trinity Site is a National Historic Landmark marked by a simple lava-rock plinth bearing a plaque that reads, "Trinity Site Where the World's First Nuclear Device Was Exploded on July 16, 1945."

As to what became known as the Bomb (with a capital B), it went on to end World War II and became the centerpiece of the Cold War, reshaping our world forever.

ROTARY INFORMATION

Rotary International	Website:-	https://www.rotary.org/
	Facebook:-	https://www.facebook.com
	Twitter:-	https://twitter.com/Rotary
Rotary Australia	Website:-	rotaryaustralia.org.au
	Facebook:-	https://www.facebook.com/RotaryAroundAustralia/
	Facebook RDU:-	https://www.facebook.com/rotarydownunder/
	Twitter:-	https://twitter.com/rotaryaustralia
District 9800	Website:-	https://www.rotarydistrict9800.org.au/
	Facebook:-	https://www.facebook.com/rotarydistrict9800/
	Twitter:-	https://twitter.com/rotaryd9800?lang=en
	Networker:-	rotarydistrict9800.org.au/content/54/networker
Rotary Club of North Balwyn	Website:-	www.rotarynorthbalwyn.com.au
North Balwyn Men's Shed	Website:-	www.northbalwynmensshed.com
Find a Rotary Club:-		https://my.rotary.org/en/search/club-finder

ROTARY CLUB OF NORTH BALWYN 2019/20

President: Greg Cribbes	president@rotarynorthbalwyn.com.au
Vice President: Tony Wells	vicepresident@rotarynorthbalwyn.com.au
Secretary: Gavan Schwartz	secretary@rotarynorthbalwyn.com.au
Treasurer: Adam Hillary	treasurer@rotarynorthbalwyn.com.au
Grapevine: John McBride	jdmcb48@bigpond.net.au Noon Sat Weekly Deadline for submissions.

North Balwyn Probus:	Michael Martin	http://balwynnorthprobus.org.au		
North Balwyn Heights Probus:	Sue Mullarvey	yarramul@tpg.com.au	98574305	0400821402
Greythorn Probus:		greythornprobus.org.au	98594941.	
Boroondara Ladies Probus:	Janet Eddy	jveddey@applewood.net.au		

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