Visiting the Nuclear Test Site at Enewetak Atoll

October, 2000

Enewetak Discovered by Spanish in 1522

Marshall Islands Claimed by Germans in 1885

Japan Gained Control After WW I Brutal Battle Waged, February, 1944

• 339 marines killed

• 2,677 Japanese soldiers killed

• 64 Japanese captured alive

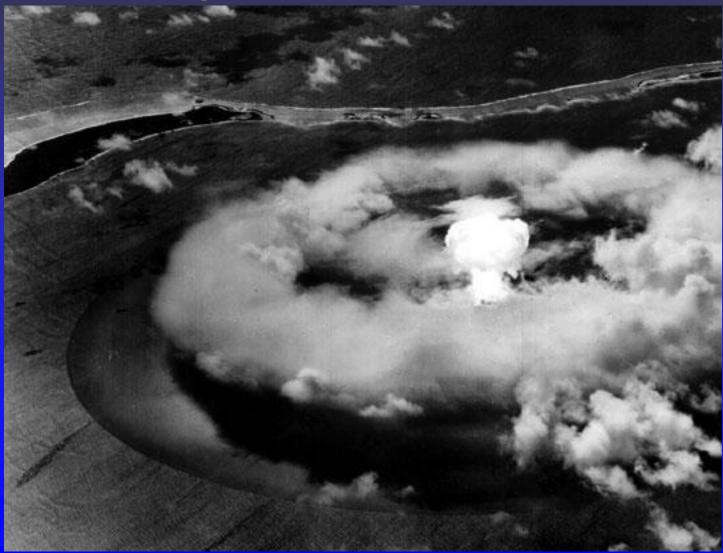
• 8000 foot airstrip built by Americans

Two Nuclear Tests at Bikini, 1946

• Crossroads able, an air drop

• Crossroads baker, underwater

Crossroads Able



Crossroads Baker

Operation Sandstone Planned for 1948

 Decision made to select Enewetak for this operation

 President Truman authorizes the move of Enewetak people from Enewetak to Ujelang

December, 1947

• 142 people moved to Ujelang, about 120 miles distant.

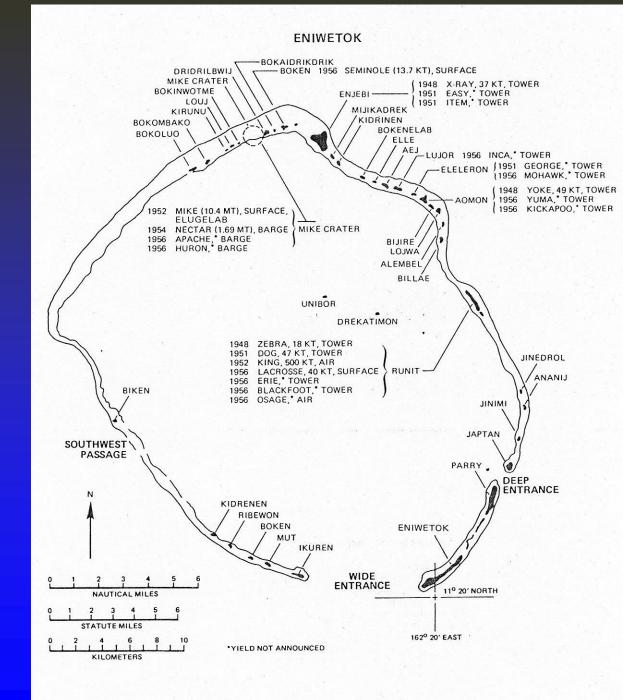
• One village built on Ujelang for two tribes of Enewetak.

• US aid began then, continues today.

Forty-three Atmospheric Tests From 1948 Through 1958

 Tests held on a number of smaller islands in the atoll, but none on the principal islands of Enewetak and Medrin.

Map of Atoll showing test locations through 1956



MIKE Experiment Exceptional (1952)

- Located on the small island of Elugelab
- Device was 20 feet tall, 6.5 feet in diameter
- Weight was 62 tons
- Building contained 620 tons of material
- MIKE was first true thermonuclear explosion
- MIKE was 500 times bigger than Hiroshima

Ivy Mike, 10 Megatons

At H+30 min, Cloud was 60 Miles in Diam.

Stem was 20 Miles in Diam.

Mike Crater, 6000 Feet Diameter

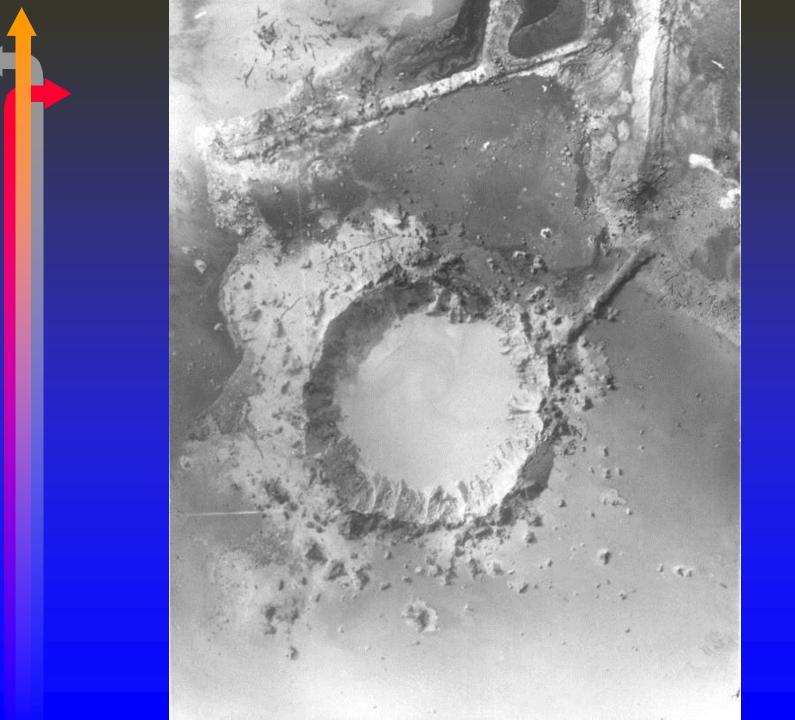
1956 Saw a Big Series of Tests

The First Test was named LaCrosse









Seminole, early fireball

Seminole, Coming Undone

Seminole Test, 18 Kilotons

I was present here in 1956, 1958, Several times in the -60's and 70's

- The Island cleanup began in 1978
- I was present with Col. Roger Ray in 1979— 21 years after our being together in 1958 We vowed to meet here again in another 21 years—in 2000! I made it, regrettably, he did not.

Atoll Cleanup Begins 1978

- 1000 troops in the field.
- 200,000 cubic yards of contaminated soil removed and transported to Runit island.
- Mixed with a cement slurry, pumped into cactus crater.
- Capped with 18" concrete dome.

Enewetak, Home Island

Our Old Research Lab

Seminole Crater in 1987

Seminole Crater in 2000

Fused Sand From Seminole Test

Runit, LaCrosse and Cactus Craters in 1958

Runit, Cactus and LaCrosse Craters in 1987

Cactus Crater Filled With Debris, Capped

1980

- The state

Villages Built on Enewetak and Medrin

• House types selected by each of the original families.

• Many picked two story houses.

 Houses included water collection system, electric wiring, etc.

Village Housing Is First Class



This is our Boat Used for Atoll Travel

LAN-ENE.

Our Boat Crew

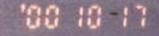
Not Interest

Runit Island, With Dome Showing

Approaching The Dome Is Torturous



Looking North From Dome



Looking at LaCrosse Crater

Lectures Are Easy Here

There Is Much To Point Out!

But Audience Tends To Wander

144

Runit Bunker

THE R. LE CONSIGNATION OF THE REAL PROPERTY.

Approaching Medrin Island



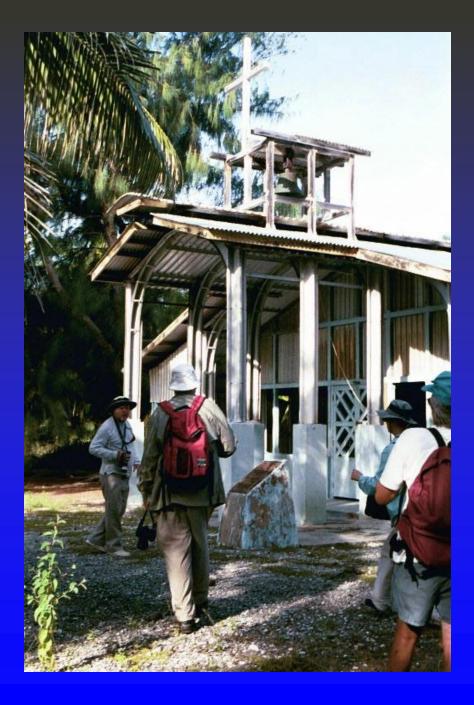
Approaching Village Centers

Village Center Is Quiet!

Council Chamber for Aroji

The second

Medrin Chapel



Chapel's Bronze Plaque

See and a strain of the second set were an work the day the opposite of the opposite of the second set of the second second set of the second second

TOPALE PARTY

The English Part Reads:

 The bell in this church tower was presented to the people of ENEWETAK with gratitude and admiration

 From the cleanup and rehabilitation force on behalf of the people of AMERICA April 1980 We Rang The Bell, Loud and Long, Just For Old Times Sake!

Pigs Arrive On Que

Medrin Chapel

Nedrin School Building Is in Pretty Good Condition

I Parel

All Buildings Were Double Roofed

Medrin Air Strip



Bijire Island Has High Rise

Bijire Bunker

Needs People for Scale



Aomon-Bijire Causeway

Aomon Beach and Debris



Engebi Island and Bunker



Enewetak, Northern Tip

142 People Relocated in 1947

About 350 Returned in 1980

About 1900 Have Descended From the Original Population

Island Now Has 900 People

- About One Third Are in Elementary School
- Atoll Exports Older Teenagers
- There is Virtually No Work on the Atoll. None is Needed
- Exception: A UN Agriculture Station Employing ~14 People

Circumstances Fairly Easy to Understand

• Medical care is pretty good

• Food ships arrive regularly

• Families get \$2000 for each baby

 As we all know, children are wonderfully entertaining

Church Of Christ Building Is Largest on Island

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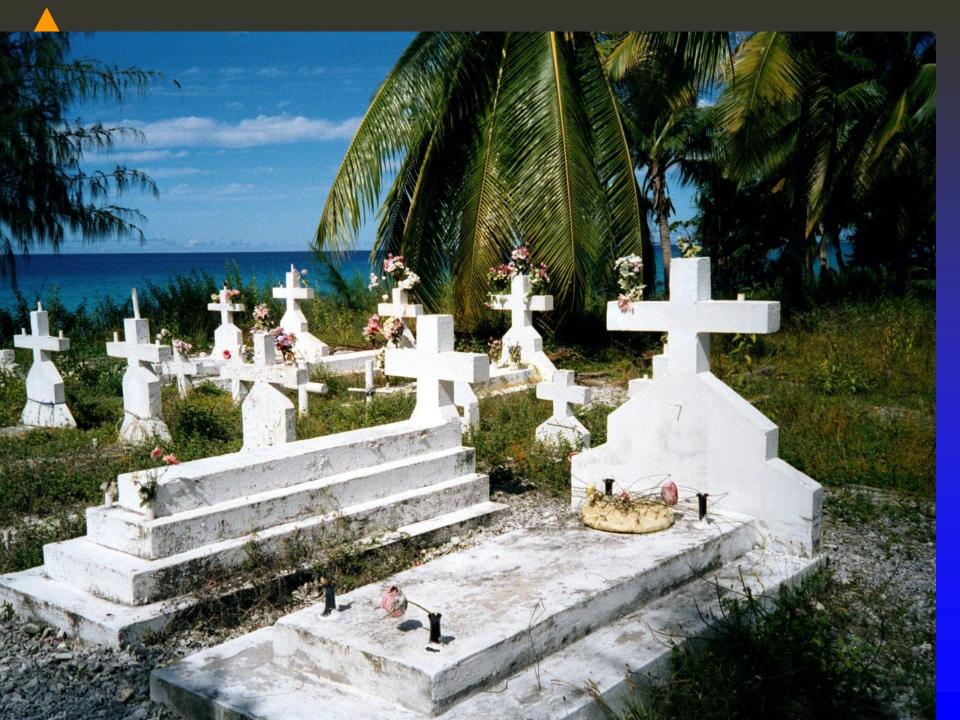
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Headquarters Buildings Are Empty

Outdoor Theater Easy Located

TIT

Aroji Hall on Enewetak



Northeastern End of Runway

E Austra



Road Kill Spotted

Road Kill Accepted

(It is a piece of Coconut Meat)

Ocean-flushing Pigpen

and in such

Pig in Poke

Colorful Chickens Abound

School Is In Old Cleanup Dorm Building

School—Enewetak's Only Industry

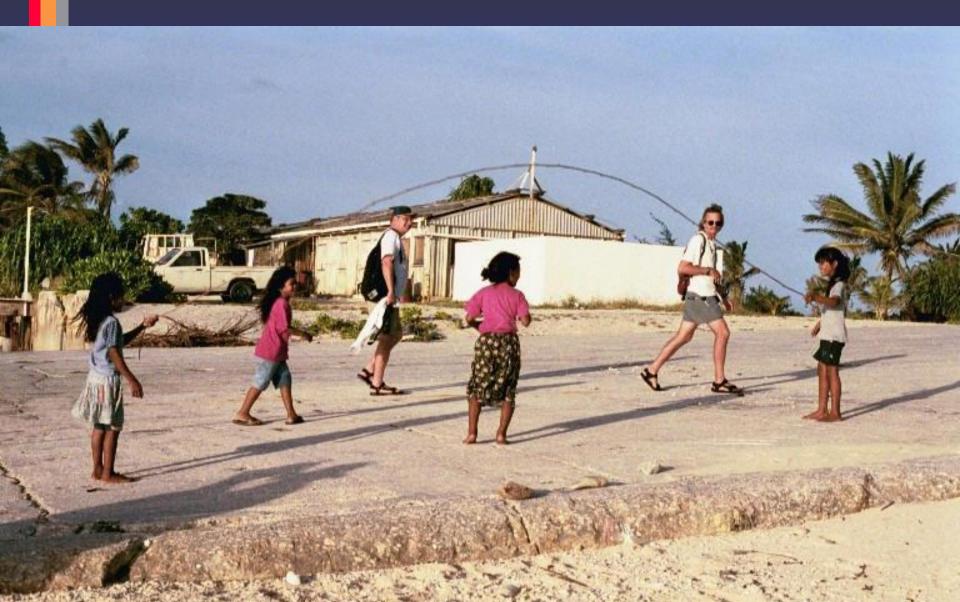
Dock and Dry Dock Are Quiet!

Repair Shop Closed in 1980

Our Old Chapel

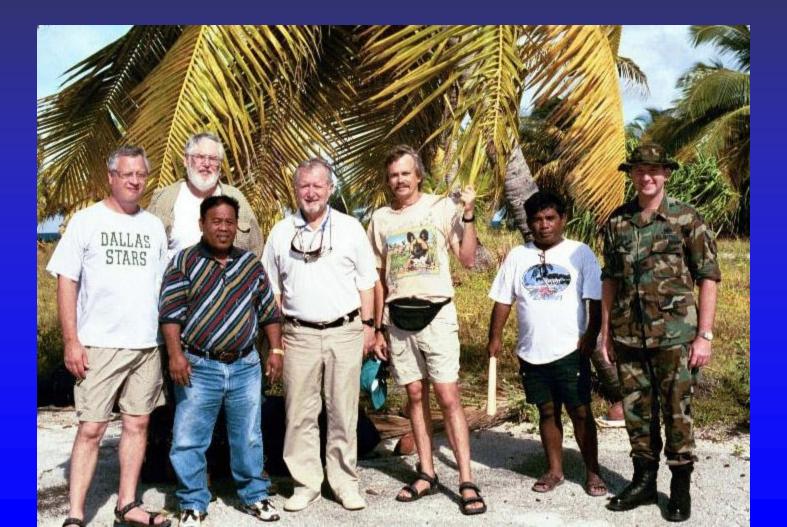


Jumping Ropes Are Always Vines



Sand Sharks Are Plentiful

Enewetak International Departure Lounge



Air Marshall Islands, A Sometimes Thing

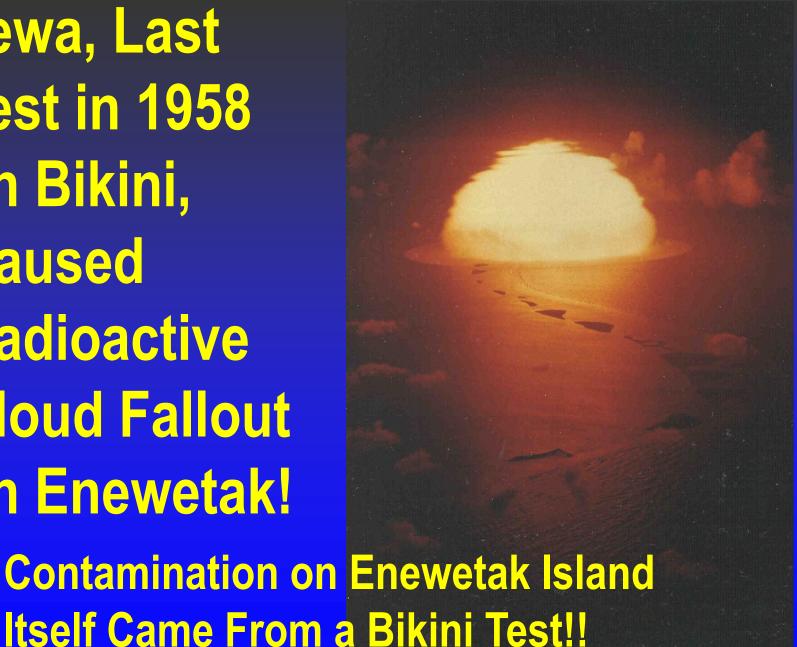
AIRMarshall Islands

V7-9206

A Last Look At Enewetak Island



Medrin Island, Our Long-time Home Away From Home **Tewa**, Last **Test in 1958** on Bikini, Caused Radioactive **Cloud Fallout** on Enewetak!



The People of Enewetak Were Not Irradiated—The Testers Were!

But There Were Survivors

It Rarely Gets Better Than This!

