

New cloud hangs over Enewetak: health fear for returning natives

First of three articles

By BRUCE BENSON

century stammed across this neck-lace of islets in a fary. Now spent of war and nuclear explosions, the atoli is ready to be returned to the gentle people who formerly lived here

people who formerly fived here.

The people of Encoverable on over-come the unexpluded ordinance and other debris of World War II. They are less certain about living with radioactivity—some of it to remain for 240,000 years—released from 41 nuclear tests in the northern part of the atoll from 1948 through-1958.

Recent cases of cancer have occurred among other people of the hieronesian mid-Pacific who were irrudiated from the fallout of a hydrogon bomb test in 1954. The

unexpected mulignancies have call-

ed into question the scientific as-sumptions of human tolerance to radiation.

Unlike populations of other mid-Pacific atolls who were dosed with downwind fallout, especially at Ron-gelap and Utirik, the Enewetak peo-ple are believed to have escaped radioactive contamination. The United States had removed them forcibly before the tests, to a distant group of islands known as Ujelang

Although most want to return, some of the people are wondering whether the technology that reduced much of Enewetak to nuclear rubble also can locate and remove contami-nated matter to a level that will keep them free from radiation-induced illnesses such as cancer and gene mutations.

While decontamination scientists of the Defense Nuclear Agency and

sion, now the Energy Research and Development Administration (ERDA), affirm they can do the job, events of recent years have instilled a sense of caution in the people of

Ten years ago, the United States undertook a similar cleanup at Bikini atoll and allowed some residents

to return. A still-pending suit was filed in 1975 with the U.S. District. Court in Hawaii claiming that the radiological scrubbing of Bikini was incomplete. ERDA monitoring of some 100, Bikini people who moved back to their atoli in 1970 has revealed an uptake of radionuchides—spontaneously emitted, radiant energy—in residents that is deemed higher than acceptable.

"Some of them are eating unap-

Ray last week on Enewetak

just of nuclear explosions, bears a chemical resemblance, to phosphorus and is found in edible plants. The time tag for any given amount of cesion to decay by one-ball, known insits hall-life, is 30 years.

"he will be having talks in the next few weeks with Trest Territory officials on what to do without aluming the people of Bikini." Ray said.

Bikini, Enewerak, Rangalop and

Utirk are all radiation-exposed atoms of the Manahall Islands administered by the United States under a

events have occurred on Rongelap and Utivily to shake confidence in the

BEST COPY AVAILABLE

U.S. decontamination program. A little-publicized study by the Brookhaven National Laboratory reported in 1974 that growth retardation and thyroid tumors have developed in

thyroid tumors have developed in some Rongelap residents.

They received skin irradiation in the "thousands of rads" from the downwind fallout of Operation Bravo, the U.S. hydrogen bomb explosion at Bikini of March 1, 1984,

dent it was not considered likely that the thyroid had received a sufficient dose of radiolodine to result in abnormalities. In retrospect this proved to be quite wrong, since thyproved to be quite wrong, since thy-roid injury- and its sequelie have-been the most serious late result of the fallout exposure of the Marshal-lese people. Said the report. Of 68 persons irradiated on Ron-galep, 20 developed thyroid abnor-matics, by 1974 and 24 underson!

malities by 1974 and 24 underwent surgery for the removal of tissue. Cancer was found in three of the 24

patients, 2000;; The 20-year Brookhaven review, carried out for the Atomic Energy Commission; said: "Regarding cancer of the thyroid, on the basis of Marshall Islands statistics, about 0.033 cases would be expected in the

Rongelap group over the 20-year period, whereas three cases occurred. The 157 or 158 people of Utirik

atoll were farther downwind and re-ceived perhaps a 10th as many rads, which are a unit of absorbed dosage. which are a unit of absorbed dosage.

Of that atoll, the study said: "In the
Utirik population about 0.06 cases
would be expected and one occurred; in view of the low dose of radiation it is unlikely that this case is
radiation induced."

It now develops, however, that more than one malignancy have occurred among the Utirik people. An ERDA health team has docu-An ERDA health team has been mented three confirmed cases of thyroid cancer, with still another unconfirmed. The Utiric people reportedly have lost confidence in the ERDA health visits, which are paid four times a year.

The incidence of thyroid cancer on

Utiric may lead to a reexamination of previously assumed "safe" levels of ionizing radiation.

of ionizing radiation.
Dr. Knud D. Knudsen, an ERDA physician stationed on Kwajalein atoll, left by boat last week to conduct the quarterly exams on Diominal Rongelap but will not visit Utiric, according to Theodore Murawski, another ERDA, health official, on Kwajalein.
"We're trying to get-another physician out here to visit Utiric," le said, "Dr. Knudsen is not going to Utifice on this tip in part because

Utifie on this trip in part because the people there don't want him."

It is against this background that ERDA and the Defense Nuclear Ag-ERDA and the Defense Nuclear Agency are beginning their three-year cleanup of Enewetak with \$20 million appropriated by Congress. Visitors to the atolit arrive at Enewetak island, the largest of some 60 islands, that encircle the placid

60 islands, that energic the placed waters of a lagoon 17 miles across and 23 miles long in a northerly southerly axis. The name "Enewetak" is preferred by the islanders over "Eniwetok," the more common usage in post news stories.

Although a pipprick on the map, the atoll becomes a world of its own

Although a pipprice on the map, the atoll becomes a world of its own as one searches the horizon, able to see only a few of the scores of islets.

In a corrugated tin building, the humidity held in check by trade winds and one struggling air conditioner, Army Col. Edgar Mixan led a heirifure on the labor to return tioner, Army Col. Edgat status and a briefing on the plan to return. Enewetak to the people who, accord-ing to their legends, were "there from the beginning,".

Twelve islands of the atoll are con-

sidered noncontaminated at present, all of them in the south. Enewetak island, anchoring the southern quadissiand, ancooring the southern quad-rant of the vast fringing reel, and Medren island, two dots northward, were once busiling places where as-many as 10,000 scientists and sup-port personnel lived while exploding purchase devices at the abolic northnuclear devices at the atoll's northera section.

ern section.

In the 1950s, Enewetak again became active as the receiving end for missiles launched from Vandenberg Air Force Base in California. Nose cones were aimed at the lagoon and recovered from its depths of 100 to

200 lest.
Troops of the 84th heavy combat engineering battalion from Scholiel Barracks in Hawaii started arriving last week to clean up from the northern area an estimated 125,000 cubic yards of noncontaminated debris, 7,300 cubic yards of radioactive material and another 79,000 cubic yards of soil contaminated with plutonium.

For the next six months they will For the next six months they will be renovating facilities on Exewetak and building a mini-city on Lojwa, one of the few islands in the north considered sale. A thousand troops and decontamination scientists will be sanitizing the atoll when the operation reaches its peak by the end of the year.

operation reaches its peak by the end of the year.

When through, they will dismantle most of the structures, then turn over to the Department of Interior an additional \$12 million job of creating an agricultural base and Bring facilities in a land-use plan worked out in agreement with the Enewetak people.

NEXT: The Enewelak people return home.

