

BQM—the most versatile target presented on the Range. The BQM can be launched from the air, from the ground, or at sea. After its 60-minute flight, the drone parachutes into the ocean. VC-8 helos bring the targets back to the Ryan Drone Repair Facility, where the BQM's are readied for another flight.



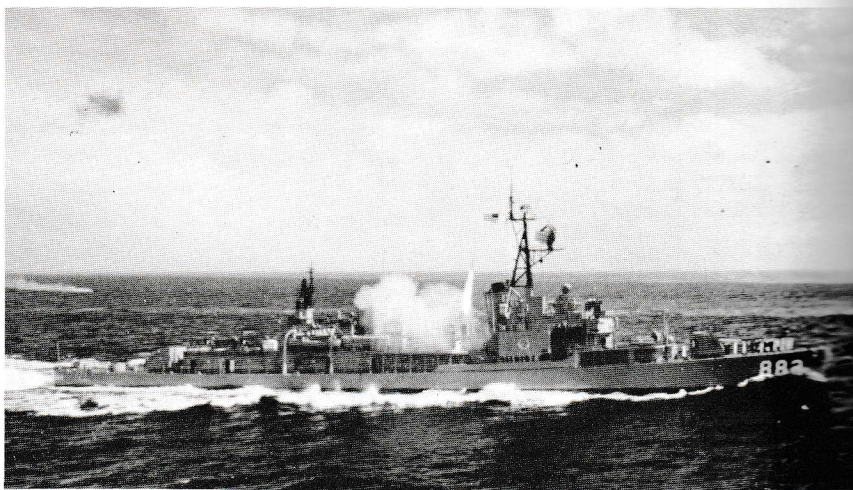
UNDERWATER RANGE

The three-dimensional Underwater Tracking Range is located on the western end of St. Croix, U.S. Virgin Islands. It is primarily used for surface and sub-surface weapons systems accuracy tests, and special torpedo evaluations. The Range has 11 hydrophone arrays, which can track up to eight surface or sub-surface objects simultaneously. The Range also has three optical tracking stations for determining the exact location of any surface object with an accuracy of plus or minus two feet. The optical system is used to determine any inaccuracies existing in a ship's sonar, radar, directors, gyrocompass or gyro repeaters. A radar site on St. George's Hill provides air surveillance on the range and tracking of surface objects. Other facilities include transponders for checking the accuracy of a ship's sonar, and underwater telephones for communication with an exercising submarine. Facilities located at Roosevelt Roads include a torpedo shop, a shop for preparation and maintenance of range equipment, and piers and service craft for retrieving underwater weapons.

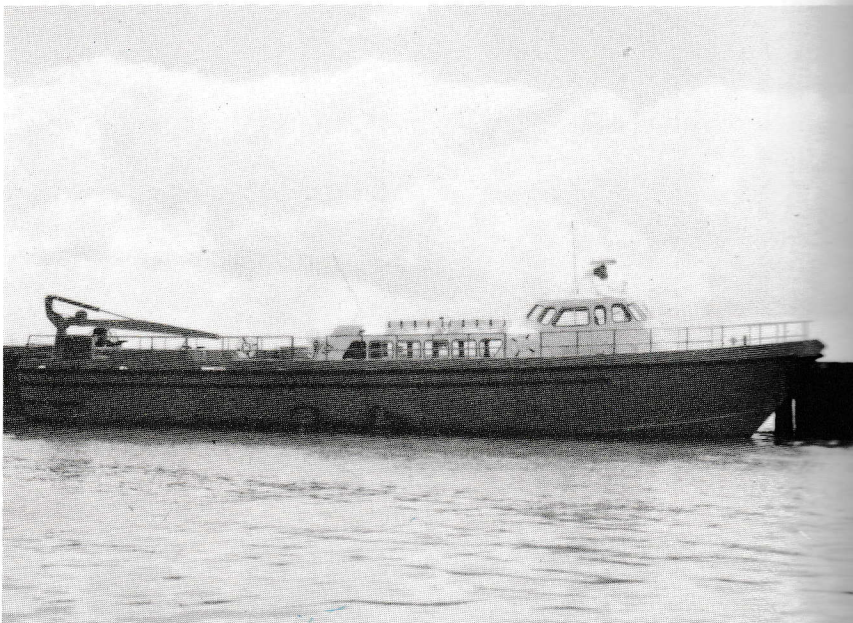
UNDERWATER TRACKING

The Underwater Range is capable of tracking a torpedo from water entry or submarine launch to the end of its run. The method of launch may be from a surface ship, submarine or aircraft and against a target submarine or mobile surface target. A stationary target is also available for use in the event that submarine services or a mobile target cannot be obtained.

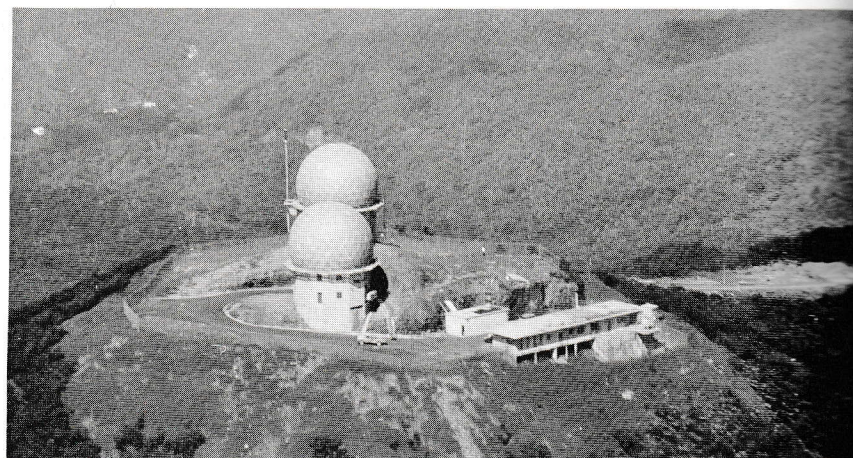
The information gathered on the Range is fed into a computer system which presents a visual display of the tracked objects. The end result, for example, of an accuracy test on a ship firing the ASROC on the Underwater Range would be a report to the ship of the "miss" distance of the torpedo which it fired, and which portion of that "miss" was due to the torpedo, to the computer system in the ship, and the navigation system in the ship. Torpedoes used on the Range are recovered by 85-foot Torpedo Recovery Boats and returned to the torpedo shop in Roosevelt Roads, where they are made ready for use again. All of the torpedoes fired are exercise configured weapons.



A Navy destroyer fires an ASROC configured torpedo.



The specially configured torpedoes used on the Underwater Range are retrieved after each operation and refurbished at Roosevelt Roads.



The installation atop Pico del Este Mountain relays information from Roosevelt Roads to the Weapons Range and also handles drone-control data.



The Culebrita lighthouse also serves as that target's observation post.

INNER RANGE

The Inner Range is a group of small islands and cays adjacent to Roosevelt Roads and is used for ship-to-shore and air-to-ground gunnery practice and amphibious exercises. Culebra is the main island in the group. Located about 20 miles from Roosevelt Roads, Culebra supports a detachment of approximately 30 men. Facilities at Culebra include an observation post; a small galley; barracks; and communications, spotting and generating equipment. Culebra is supported logistically by boat and helicopter from Roosevelt Roads.

SHIP-TO-SHORE

The Northwest Peninsula of Culebra is used by warships conducting shore bombardment practice. White painted tanks and fuel drums and white-washed rocks along the shore line are used as targets during gunfire exercises. A ship preparing for an exercise is briefed by radio while making a familiarization run. Under control of the observation post, the ship commences firing. Each shot is spotted, evaluated, and scored by personnel in the observation post. During certain exercises, a smoke round is fired by mortar to simulate a shore battery firing at the ship. The ship then has 20 seconds to switch fire

from the primary target to the smoke round and is graded on how soon it reacted to the mortar as well as how close it came to the smoke round. The Naval Gunfire Support range handles an average of three to five ships a week, with the number doubling or tripling during "OPERATION SPRINGBOARD" the first three months of the year. Ships from allied navies also use the range.

AIR-TO-GROUND

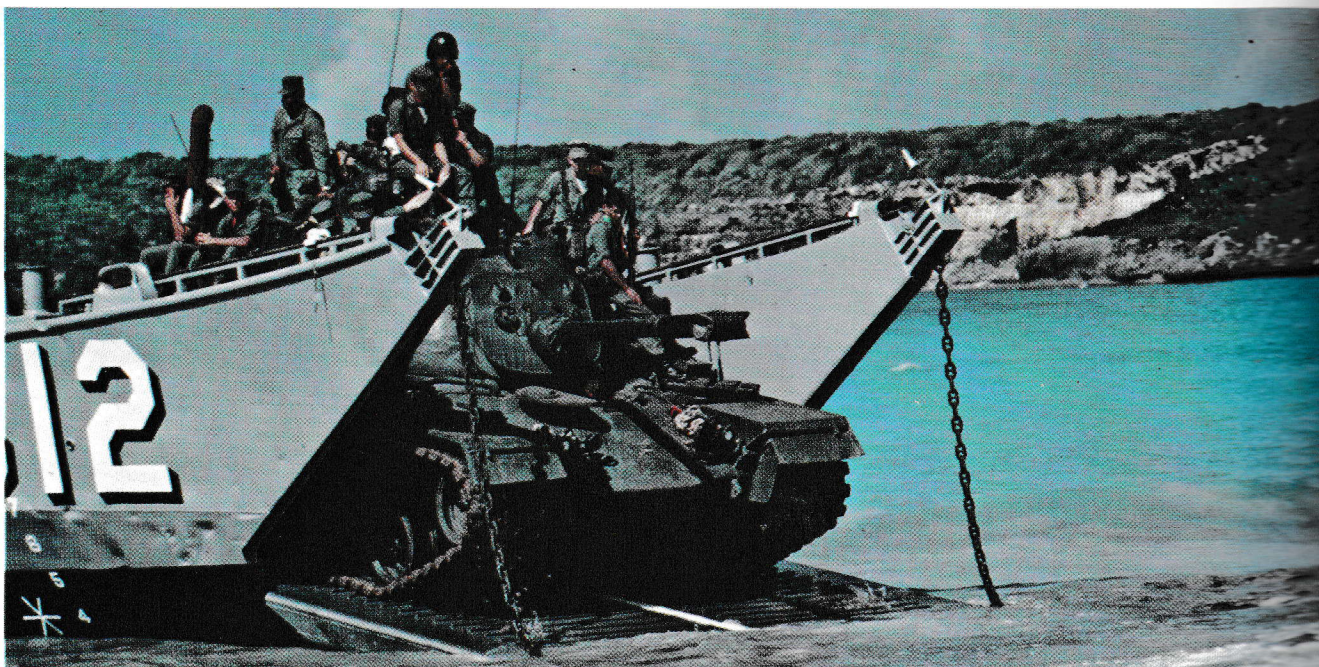
The remaining islands in the Culebra complex are used for air-to-ground targets by the many types of aircraft that deploy to the Caribbean for training. Culebrita is the second largest island in the complex. Located about a mile east of Culebra, Culebrita houses an observation post and the strafing range. The strafing range utilizes six banners mounted on poles for targets. It also has an acoustically scored electronic target that immediately scores the strafing run and relays the information to the observation post.

The observation post on Culebrita also controls the bombing runs on Ladrone Cay, Palada Cay and Shark Rock. All these targets are used only for inert bombs. Ladrone Cay has a bullseye target which is lighted for night practice.

Another target in the Culebra complex is Fungy Bowl. Located about one and one-half miles northwest of Culebra, Fungy Bowl is a large rock 700 feet long and 180 feet tall. It is primarily used for live ordnance training. Patrol squadron aircraft use Fungy Bowl for photographic runs at night for radar exercises. It also makes an excellent search light target. The Air Force has also used Fungy Bowl to practice low-level bombing.

PROFILE RADAR TRACKING

Another observation post on the island of Luis Pena provides radar tracking of aircraft using the targets of Agua Cay and Twin Rocks. The radar will provide a record of the bombing run showing the dive angle and track of the airplane and predicted impact point of the bomb. In other words, the point of impact can be determined before the bomb hits the ground. Information from this tracking radar can be fed to the Range Operations Center in the Atlantic Fleet Weapons Range Headquarters building. Agua Cay is a target for inert bombs much like the one at Ladrone Cay. Twin Rocks are two small cays off the Northwest Peninsula of Culebra and are used for inert ordnance.



Vieques offers a wide variety of simulated warfare situations, including realistically equipped missile sites and amphibious assault beaches.

VIEQUES

The island of Vieques, just 10 miles from Roosevelt Roads, is also a part of the Inner Range. The eastern end of the island is used for close air support and air-to-ground exercises. Targets include a simulated airfield with old aircraft on the strip, remote controlled tanks, simulated surface-

to-air missile sites, two recently constructed bullseye targets and simulated truck convoys. The close air support zone is used by air squadrons for dropping all types of live conventional ordnance and firing live missiles.

Next to the close air support zone is

the artillery impact area. This is used by the Marine Corps for practice and by ships practicing long-range gunnery. There is also a small Marine Corps unit that maintains a base for amphibious exercises. The Marine Corps has used the area to practice surface-to-air missile shots.



Range operations on Culebra are carefully supervised from observation posts at Flamingo Point and Luis Pena.



Because there is no other place in the world where the fleet can receive the services available at the Atlantic Fleet Weapons Range to train and evaluate their weapons systems, they come to Roosevelt Roads.

The Capehart Community

HOUSING

Military personnel with dependents, pay grade E-4 with four years service or higher, are eligible for station housing. There are 772 units available: 167 units for officers and 605 units for enlisted personnel.

The majority of quarters are relatively new Capehart homes, most of which are three bedroom units, other two or four bedroom. In addition to Capehart housing, there are 52 apartment units known as the Algodones Apartments. These are equally divided between two and three bedroom

units. Additional housing for officers is available at Puerca Point.

Furniture for government quarters is issued on an "as available" basis. No warehouse space exists at Roosevelt Roads, and personnel are advised to bring only what can be used or stored within quarters. Details of floor space and arrangements of quarters can be obtained from the sponsor.

Housing units are equipped with an electric stove (there are no gas facilities) and either an 8 or 13 cubic foot refrigerator. Some people find it desirable to have more refrigerator

space, so bringing an additional refrigerator is recommended. Each housing unit has a 220-volt outlet available for clothes dryers. None of the quarters are air conditioned; however, individually owned 110 or 220-volt window units are authorized. Air conditioners must be installed by Public Works at the tenant's expense. Installation of 110-volt units cost \$20. 220-volt units cost \$54.

In general, those items which are not usually provided in the average civilian rental home should be brought, such as fans, vacuum cleaners, clothes dryers, sewing machines, freezers, floor polishers, ironing boards, baby cribs, radios, record players, televisions, rugs, and lamps. In view of the different size windows and arrangement of quarters, it is recommended that window draperies be delayed until arrival. Fiberglass materials are not recommended due to climatic conditions.

The cost of all utilities is included in the quarters allowance. Telephones are available on request at a nominal monthly rate. Telephone service is provided through the Puerto Rico Telephone Company, a division of ITT.

Occupants are required by station regulations to maintain, and are encouraged to improve, the grounds around their quarters. This includes mowing and trimming lawns and cultivating shrubs, trees, and flowers. Garbage cans and pick-up service are provided for all quarters twice each week. Tenants must furnish their own lawn tools and equipment, including lawnmowers.

The 772 units in the Capehart area provide some of the best housing available in the Navy.



Like this:

You can do everyone's choice for breakfast by giving a choice of Libby's Frozen Orange Juice—the one with twice as much fresh orange essence as other frozen; or Libby's Tomato Juice—it's truly tomato-rich... the most tomato-y tomato juice there is! Both great "go-togethers" with scrambled eggs and Libby's Vienna Sausage.



Like this:

You can do a whole meal with a Libby's canned meat as the main dish—Beef Stew, for instance, circled with rounds of thin, crisp, baked pie crust (and remember, Libby's is the beefy, beefy stew); herbed and buttered Libby's Peas as a side dish—they're babied for tenderness and flavor; those ruby-red beauties, Libby's Sliced Pickled Beets, in a salad, alternated with onion rings.



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Collas D. Smelser writes, "After 28 years in the Air Force as Chief Warrant Officer, I find the work as an insurance adjuster very interesting. My training with your institution certainly provided me with all the basics I needed to fill the challenging position as a staff adjuster with a large company in Texas."



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In addition, the Virgin Islands participate in Federally supported programs such as public housing, urban renewal and various health and educational projects on much the same basis as the States.

VIRGIN ISLANDS CORPORATION

The Virgin Islands Corporation is wholly owned by the Federal Government. It is the instrument through which a number of functions necessary to the Islands are managed. VICORP's major activities are the growing of sugar cane, operation of a raw sugar mill, generation and distribution of electric power, land management and conversion of salt water to fresh in St. Thomas.

The objective of VICORP management is to make the corporation self-sustaining. Previously, the Federal Government underwrote the losses. However, losses now are made up from the local Government's Matching Funds. Since the main contributor to such losses has consistently been the sugar cane operations in St. Croix, it is planned to phase out this activity over a period of several years in favor of more economically sound operations.

In addition to public utilities and sugar production, VICORP has authority over several former military installations in St. Thomas which include the airport, several docks, hotels, factories and housing units, as well as the golf courses.

Next to the Government, VICORP is the largest employer in the Islands. During the peak period in 1963, 1,187 persons were working for the corpo-



Sailboats tack for favorable positions prior to the start of a race in the Charlotte Amalei Harbor, St. Thomas.

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St. Thomas, V.I.

The geography of the Virgin Islands on the main shipping lanes of the 17th Century treasure ships, made it inevitable that they would become the headquarters of pirates. The notorious brigand, Jean Hamlin, set up shop on St. Thomas using it as a headquarters for frequent raids aboard his raider *La Trompeuse*. He was on excellent terms with the then St. Thomas governor, Adolf Esmit, himself a sometimes freebooter.

It is said that Pirates, among them the notorious Captain Kidd, were given sanctuary and commercial privileges in return for sparing the islands from their depredations.

Montbars, the Exterminator; Rock, the Brazilian; Francois L'Ollonais, and Hamlin all walked the streets of St. Thomas at will, used the port to refit their ships and stored their loot in warehouses provided by obliging, if unscrupulous, St. Thomas merchants.

One historian reports that a pirate sacked, burned and plundered merrily under an official-looking permit from a very early governor of St. Thomas, until the document was translated from Danish and turned out to be nothing more than permission to hunt pigs in Hispaniola.

Piracy came to an official end in 1829, under Danish rule, when the last of the pirates, including the infamous Mr. Fawcett, were hanged on a gallows high on a promontory still known as Frenchman Hill, overlooking the Charlotte Amalie harbor.

On nights when the stars aren't out, legend says that you can see ghostly lights moving up the hill to Bluebeards Tower.

The tower, itself, is shrouded in mystery. But most any St. Thomian will vouch that at the time of its restoration and conversion to a luxury hotel, an ironbound chest filled with mildewed manuscripts was discovered next to a rusty, broken sword. The manuscript contained the memoirs of one Musa Ben Hassen who, as his name suggests, would appear to have come from the Barbary Coast to join the corsairs of the New World. When translated, the manuscript told essentially the same story as the one told by Perrault, the French fairytale writer who immortalized Bluebeard and his seven wives. This coincidence

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