

Who keeps duck
sports afloat?

Section B

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Two Americans killed

Marines invade island of Grenada

BRIDGETOWN, Barbados (AP) — Nearly 2,000 U.S. Marines and Army paratroopers invaded Marxist-ruled Grenada in airborne assaults Tuesday, clashing with Grenadian troops and armed Cuban workers through the day.

The U.S. forces, ordered to protect some 1,000 Americans on the tiny eastern Caribbean island and "restore democracy," were followed in by 300 soldiers or national police from six Caribbean nations.

The Defense Department said two U.S. troops were killed and 23 wounded, and Cuba said fighting continued after nightfall.

President Reagan said the operation began before dawn and 1,900 Marines and

Army Ranger paratroopers quickly seized the two airports on the mountainous, 21-mile-long island that has a population of 110,000.

Medical students who make up the majority of the estimated 1,000 Americans on Grenada were reported unharmed, although pinned down by the continuing fighting.

Reagan told a mid-morning news conference the operation was "completely successful." But an administration official said Tuesday night "there was more resistance than we thought there would be."

Cuban President Fidel Castro ordered an army colonel commanding Cuban workers

in Grenada not to surrender despite casualties, and by sundown those left were reported still offering resistance.

The 600-member Cuban work force had been extending a runway at the Point Salines airport.

A communique, the Cuban government's eighth in the day, said: "The people are informed that at nightfall the heroic resistance of our constructors and collaborators continued in the face of the attacks of Yankee armed forces."

The Reagan administration official, who asked not to be identified, said units of the 82nd Airborne Division probably would be sent to control one of the two airports and

free the Rangers to attack pockets of resistance. The airborne division is based at Ft. Bragg, N.C.

The Defense Department announced the American casualties Tuesday night and said more than 200 armed Cubans were captured along with approximately 30 Soviet advisers.

"Resistance has been encountered but most objectives have been taken." Cuban and Grenadian casualties were not given.

Defense Department sources said several U.S. helicopters had been lost, including some that were shot down, but they gave no details.

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Congressmen want Lebanon troops home

Several Oregon congressmen who voted against invoking the War Powers Act reconfirmed their opposition to U.S. military presence in Lebanon as the death toll in the Beirut bombing Sunday rose to more than 200.

Sen. Mark Hatfield, R-Ore., said in a news release Monday he will "strongly recommend" Pres. Reagan urge all members of the multinational peacekeeping contingent to replace their troops with a United Nations force.

After Monday's secret briefing sessions of the House and Senate by Secretary of State George Schultz, Rep. Denny Smith, R-Ore., "remains committed to his earlier feeling that we have no goal (in Lebanon) and all we're doing is trying to buy time," said Greg Walden, Smith's press secretary.

Smith, a Vietnam veteran, believes "you only use military force as a last resort and then you only use it if you're going to use it swiftly and decisively." In Lebanon, where several warring factions are vying for control of territory, limited military presence is "little more than a trip wire for disaster," he said.

Congressman Jim Weaver, D-Ore., has urged complete and immediate withdrawal from the Middle East. In a press release Monday, Weaver said the "we should withdraw our military presence from the Middle East immediately. We should make ourselves secure in energy and defense at home by immediate steps to forestall any oil emergency."

Possible steps listed by Ron Eachus, Weaver's Eugene press secretary, include filling up the U.S. strategic oil reserve, and legislating presidential authority to establish rationing.

Three weeks ago, Smith, Weaver, Hatfield and Rep. Ron Wyden, D-Ore., voted against the plan which granted Reagan the authority to keep the 1,200 Marines in Lebanon for 18 months.

After the House briefing session Monday, Wyden said that "most of the members felt it was unacceptable to keep on doing what we're doing."

However, Eachus said he doesn't "think members of congress will turn around in the space of three weeks."

Computers enter 'fifth generation'

By Melissa Martin
Of the Emerald

The sun is rising on a new era of "intelligent" machines, if the Eugene computer graphics conference is any indication.

State-of-the-art computers have entered "a fifth generation," of artificial intelligence, said Gene Youngblood, professor of film and video at the California Institute of the Arts. Youngblood was one of about a dozen speakers at the Pacific Northwest Computer Graphics Conference held Monday and Tuesday at the Eugene Conference Center.

Computers of the fifth generation "are not information processors but knowledge processors," Youngblood said. But people shouldn't be terrified that artificial intelligence will replace human intelligence, he said later, during a meeting with the press.

"Artificial intelligence is a software discipline that attempts to simulate processes we usually associate with having brain power," Youngblood said. "There's a difference between simulating human intelligence and actually being it (intelligent)."

The conference focused on all aspects of computer graphics, including work in the medical field, where humans are not being replaced, but are being aided by the technology, according to a team of doctors who spoke Tuesday.

Jeffrey Marsh, plastic surgeon and professor at Washington University School of Medicine in St. Louis, Mo., and Michael Vannier, radiologist for Mallinckrodt Institute of Radiology and former NASA engineer, showed slides of their work on corrective surgery for birth defects.

They use computer tomography scans (CT scans) to create 3-dimensional images of the patient's skull. Using an idea from the McDonnell-Douglas aircraft corporation, Marsh said he makes a working 3-D model on a computer screen. He then refers to the model while operating on a patient.

"The software is 100 percent for aircraft design use," Vannier said.



Photo by Melissa Martin

Above: Eugene resident Bob Keefer gets a lesson in computer imaging from Gary McDonald who demonstrated the machines' ability to produce likenesses from photographs. Below: The popular 'Lisa' computer on display at the Pacific Northwest Computer Graphics Conference held Monday and Tuesday in Eugene.

'Artificial intelligence,' but with an artistic bent

So doing plastic surgery on a patient is much like constructing an airplane, Marsh said.

"We'd like them (the patients) to be attractive, not just unobtrusive. What we should do is have an artist draw what the person could look like," Marsh said.

"The technology has always been there. Medicine has been ignorant of it and couldn't take advantage of it," Marsh said.

The computer graphics conference "sold out" to more than 800 people, O'Connell said. More than 1,300 people attended the computer graphics film in the Silva Concert Hall Monday night.

O'Connell said a film and video show committee put the movie together from hundreds of clips corporations sent in.

Along with the speech events, a trade show was set up in the Hilton. Northwest firms ex-

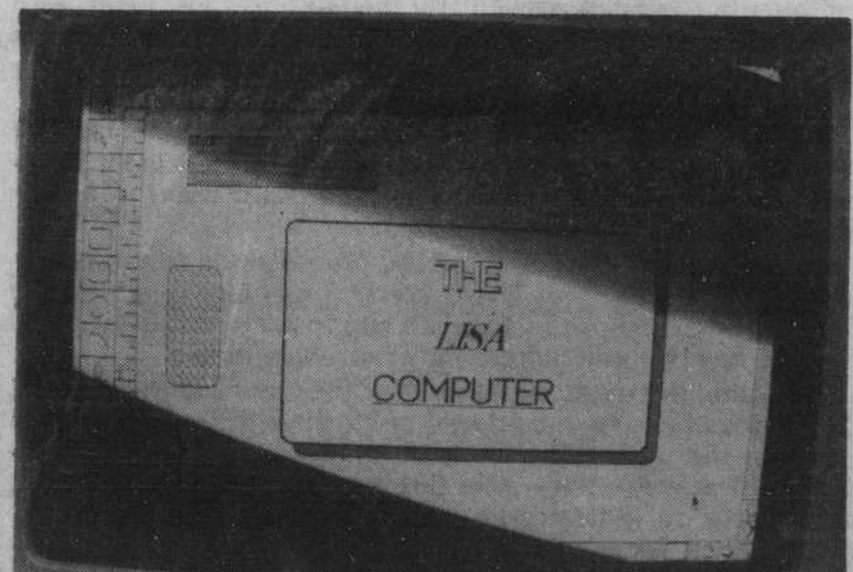


Photo by Brian Erb

hibited "state-of-the-art" equipment. A firm representative said their goal was to show their equipment and not necessarily make any major sales during the

conference. O'Connell called the event a "first-class conference in the Northwest."

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