

Underwater Guided Missiles To Replace Torpedoes Being Readied

By GLENN STACKHOUSE
United Press Correspondent
Pasadena, Calif.—A new arsenal of "fantastically lethal" weapons, designed to make the oceans too hot for Russia's submarine fleet, are quietly being hatched here by a small group of U. S. Navy brain boys.

These weapons are known as "underwater guided missiles." Some of them swim through the water, some fly through the air and some can do both.

All of them have electronic brains with homicidal tendencies. They are fast enough to give an atomic sub commander nightmares. They are versatile enough to make a torpedo bomber pilot cheer.



SAN DIEGO HIT BY FIRE—One of a number of residents in San Diego's Hillcrest district who were burned out, runs from his home as a huge wall of flame roars down on the house. Two houses were completely destroyed and five others seriously damaged in a five-alarm fire that swept through the district.

The incubator for these super weapons is the Naval Ordnance Test Station, Pasadena, an impressive cluster of wood buildings tucked away close to the Bowl.

Head man is Cmdr. John J. O'Brien, a veteran destroyer skipper and one of the Navy's top underwater ordnance experts. O'Brien would rather call his weapons "guided missiles" rather than torpedoes.

He reported the new car will be let on bid at the same time as the replacement of the five cars now in service. Up for replacement are four marked and one unmarked car. The new station wagon will be marked and put into use as a patrol car.

Hogan said the only bid for the additional car was \$2,723.60. He blamed the end of the current model year for lack of bids.

City Rejects Car Bid For Lack of Bidders

The city has rejected the only bid received on an additional police car because of lack of competitive bidding, according to City Manager Robert A. Duff.

Bids will be reopened in about 60 days for the additional car, said City Purchasing Agent Richard V. Hogan. Hogan said the bids might be extended even farther if dealers did not have their 1958 model cars in stock at that time.

The other scientists had looked forward eagerly to getting technical information about the Soviet program to put artificial satellites into the sky.

Russians Against Cooperation in Satellite Program

Washington—Soviet scientists have disclosed conditions which will make it difficult if not impossible for most other nations to track Russian earth satellites by radio.

They also refused to give any details about when they expect to launch their first artificial moon and about the orbit they expect it to take in its flight around the world.

Four Soviet scientists joined scores of their colleagues from a dozen other nations at a conference being held here this week on rocket and satellite programs for the International Geophysical year.

Such information is necessary for international cooperation in tracking the artificial moons, and precise tracking is necessary for success of scientific experiments associated with the satellites.

The U. S. and cooperating countries have set up 10 so-called "minitrack" radio stations which will get the first information about the U.S. moons. Each satellite will broadcast signals on a frequency of 108 megacycles, and all of the minitrack receivers are geared to receive on that frequency.

But Russian scientist Sergi M. Poloskov announced that the Soviet tracking signal will be broadcast on only 40 megacycles, which means minitrack stations are no good for keeping tabs on the Soviet satellites.

Poloskov's announcement threw the rocket-satellite meeting into consternation. Western scientists had understood the Russians would employ a tracking system "compatible" with the U.S. system.

One American said it appeared to him that the Russians are deliberately trying to keep the rest of the world in the dark on their satellite program.

Austrian Airlines was ready for business today. The company, established officially Monday, will start its service with four British-built Vickers Viscount turboprop aircraft.

Bonn, Germany—Eric Olenhauer, leader of West Germany's Socialist Party, has urged the Western powers to make "one final effort" in a new Big Four conference to overcome Soviet objections to reunification of Germany.

Traffic Toll Up During August

Chicago—The nation's traffic toll per month went up in August for the first time since last November, according to National Safety Council.

It said August deaths, 3,790, were 5 per cent higher than the 3,610 in August, 1956, and the highest August toll since 1941. The council said part of the rise may have been due to the fact that August had five Saturdays this year, one of them the Saturday of the Labor Day week end.

Despite the August increase, highway deaths for eight months were down 2 per cent from the same period last year, 24,730 against 25,200.

According to the number of deaths per 10,000 registered vehicles, cities with the best records in each population group at the end of eight months included: 750,000 to 1,000,000 San Francisco; 500,000 to 750,000, Seattle; 25,000-50,000, Las Vegas, Nev., and Yakima, Wash.

Northwest Area Air Defenses Said Good

Portland—An Air Force officer says Northwest area air defenses are about as good as they are any place in the country.

Brig. Gen. Charles R. Bond Jr., new commander of the 25th air division, said Monday the division will continue to maintain a high degree of defense ability despite recent Air Force money cutbacks.

He emphasized that keeping a high state of combat readiness in the Portland-Seattle area was of great importance, pointing out the two cities are considered vital target areas.

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Quotes From the News

By UNITED PRESS

Washington—Gov. Frank Clement of Tennessee on today's conference between Southern governors and President Eisenhower on the school integration crisis:

"We cannot sit back, we cannot be the nation that says to other countries disarm and sit down at the negotiation table. We have got to follow the same example."

Little Rock, Ark.—Capt. Ollie Metheny, on the withdrawal to nearby Camp Robinson of about 250 paratroopers guarding Central High school:

"They are going to take showers and have a different look at life for a change."

Los Angeles—Richard Pugliese, a 14-year-old student, describing the scene after a parochial school bus plunged into a 3-foot ditch, killing three youngsters and injuring 18 others:

"All you could see were children bleeding and crying."

Washington—Senate Rackets Committee Chairman John L. McClellan, in charging that half the delegates, to the Teamsters union convention Miami were chosen illegally:

"... Information the committee has, but not yet fully confirmed, clearly indicates that 50 per cent or more of the delegates in attendance were not selected in accordance with constitutional provisions."

Chicago—Dr. Edward H. Rynearson of the Mayo Foundation, in saying that employees who slip out for coffee breaks aren't loafing, but are seeking a bodily need:

"Their nervous tension may cause them to develop a low blood sugar. They need refreshments to restore their sugar to normal and regain strength."

New Tri Hi-Y Club Will Be Formed Here

An organizational meeting for a new Tri Hi-Y club for high schools girls will be held at 7:30 p.m. Wednesday, it was announced today.

The new club will consist entirely of junior class girls attending Medford high school, it was explained. Membership is open to all junior girls, according to Herb Partridge, YMCA youth secretary.

Acting as steering committee are Noralene Schell, chairman; Ailene Doran, secretary; Diane Plankenhorn, Marilyn Anderson, Sharon McNeill, Mimi Jones, Danusia Kosecka and Sylvia Baker.

Partridge, Miss Joyce Gillinsky and Miss Carolyn Carr will speak on the functions and purposes of the Tri Hi-Y during Wednesday's meeting. Partridge explained "Tri Hi-Y is a voluntary club program for girls in the 10th, 11th and 12th grades of high school. It is sponsored by the Young Men's Christian Association."

"The movement is international in scope, Christian in emphasis, interdenominational in character, and democratic in practice," Partridge concluded. "Any girl interested in becoming a member is welcome to join."

The savage soldier ant is so tenacious it will allow itself to be pulled apart rather than to relax the grip of its jaws. Even elephants are afraid of them.

The Family Council

Editor's note: The Family Council consists of a judge, a psychiatrist, three clergymen, a newspaper editor, a women's editor and two writers. Each article is a summary of an actual report. The Family Council does not give advice; it merely reports on problems that have been dealt with by responsible agencies and counsors.

Eunice B.—We've had bad luck with men—but I'm hopeful.

Sheila F.—I've been burned too badly.

Eunice R.—Sheila and I are two girls in our mid-20s. We have both had very bad experiences with men. It's just our bad luck, I guess, but anyway I'm hopeful and I always expect the best. Sheila, however, has gotten so she doesn't trust anyone and doesn't want to go out.

We both always seem to run into the same kind of thing. We go out with a man a few times and then he expects to have an affair. Men don't seem to believe in marriage any more and a girl who holds out for a wedding license is called a prude. This happens more and more as you get older and I'm beginning to regret I didn't marry at 18.

As far as I can see, though, the best thing to do is to keep active and in circulation. Sometime you're bound to meet somebody nice. But Sheila is my best friend and I like to double-date with her. If she doesn't go out, it makes things harder.

Sheila F.—I guess Eunice hasn't been burned quite as badly as I have, or she'd be just as disgusted as I am.

I was engaged for a year to a man I believed was absolutely wonderful. But he turned out to be a regular Jekyll-Hyde character. He started to lie, cheat, treat me so meanly that little by little he destroyed all my feeling for him. Still I couldn't believe he was so awful until he actually physically abused me.

I suppose I'll get over it in time, but right now I am just too disillusioned to want to go out with anyone. I feel I almost hate all men. I realize I'll have to pull myself together somehow and think about rebuilding my life, but it is hard when I had counted so much on this particular man.

I don't want to influence Eunice and I feel she should go out without me. I can't help thinking, however, she's just a bit naive. Maybe we both expect too much.

The Council: These two girls seem to have gone strangely off the beam in their social relationships. They ought to understand that generally people get what they really ask for, or a close approximation of it. Human behavior is directed toward creating particular situations or relationships.

We don't mean to suggest the girls want illicit relationships with men. More likely, for some strange reason, they want and expect to be hurt, disillusioned and humiliated by men. The experiences the girls describe could happen once or twice to anyone, but when it becomes the rule rather than the exception, it is time for them to examine their own attitudes.

Both girls should take honest surveys of their relationships and Sheila should particularly analyze her relationship with the Jekyll-Hyde character. There are such people in the world, but they are few and far between.

Did she really see this man as "absolutely wonderful" or did she make up his wonderful characteristics in her own mind just to prove far short he would fall in terms of actual behavior? Sheila should also ask herself whether he really turned out to be as black as she claims—or is she exaggerating a bit!

If these girls are sincerely interested in marriage, they will look for new sources of social contacts to bring them in touch with men of similar inclinations. It is not enough to "stay in circulation" as Eunice believes. The area of circulation should be planned.

Church contacts are good—and so are friendships with happily married couples. The girls should get over depending upon one another for dates, for they have the same self-defeating pattern.

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U. S. RENTS COMPUTER
Washington—The U. S. government has rented a giant electronic brain from Canada to try to solve mutual air traffic control headaches of the two nations. The Civil Aeronautics Administration disclosed it rented the \$5,500,000 machine from Canada's Department of Transport for \$1 a year for 15 years.

"After all," he said, "the torpedo was the first guided missile we had. It dates back along before the household term associated with today's airborne rockets.

Just as the guided missile has replaced the 30 caliber machine-gun in air-to-air combat, the underwater guided missile is replacing the conventional torpedo in submarine combat."

O'Brien points out that the torpedo is actually a small, unmanned submarine.

"Here at NOTS we have miniaturized it; cleaned it up; streamlined it hydrodynamically; put in an electronic brain and computers; equipped it with high energy fuel and the most advanced warheads known to science.

A "Pilot's Dreams" This has resulted in a fantastically lethal weapon."

The new torpedoes are a pilot's dream. Where the old torpedo bombers had to fly low and slow in what often amounted to a suicide mission in order to make their "fish" behave, the modern counterparts will be able to launch their torpedoes at near supersonic speed and from thousands of feet in the air.

The test station tried out these new aerial torpedoes at Morris Dam, a fresh water lake in the San Gabriel mountains 30 miles from the ocean. Here it operates a monstrosity known as the "variable angle launcher," a bridge-like structure with one end anchored to a cliff and the other on a raft in the lake.

Down the launcher, which is as long as a football field, the engineers catapult 1,500 pound torpedoes at speeds up to 750 miles an hour to see what happens when they hit the water.

Water Poses Problem Douglas Wilcox, head of the underwater ordnance department, says one of the toughest problems has been the riddle of "water entry cavity."

This, he explains, is the pit of water vapor and air surrounding the missile as it enters the water, causing it to be damaged and thrown out of kilter.

"We have now arrived at a state where we can devise the best shape of the weapon to overcome this," he said.

"We already have weapons that can 'think' and we are in the process of developing weapons that can think better."

Delinquent Parking Payments Lagging
All parking meter violations must be paid within 24 hours or face the possibility of having the fine doubled, according to police department officials.

The standard fine is 50 cents for a meter infraction. This is upped to \$1 when the 24-hour period is passed, said the officials. If the fine is not paid within seven days, a bench warrant will be issued for the violator.

If a warrant is issued for a parking meter violation, the car owner must pay the \$5 warrant fee in addition to \$1 for every over-parking ticket, said police. They urged citizens to pay their fines within the 24-hour period to avoid the higher fine and keep department bookkeeping to a minimum.

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