

# Navy Rapidly Converting to Nuclear Powered Vessels Armed With Deadly Guided Missiles

Washington — The "new" U.S. Navy is converting as fast as it can to nuclear-powered vessels armed with deadly guided missiles to assure control of the seas.

The heart of the mighty fleet is a highly mobile striking force built around super-carriers whose planes can smash at any major target in the world. Battleships, once the backbone of fleets, are virtually outmoded.

The navy's top brass insist that the new version of naval power is vital to control of the seas and, in turn, essential to free world survival.

Adm. Arleigh A. Burke, chief of naval operations, told Congress recently that "control of the seas, right up to the very shores of Europe and Asia, is essential to survival of the free world nations."

The switch to a nuclear-powered navy is a slow, costly business.

**Only Two Vessels**  
So far the Navy has only two vessels which run on power generated from the atom—the submarines Nautilus and Seawolf.

But 13 other submarines have been authorized and the Navy is seeking authority to build four more in this year's shipbuilding

program. A nuclear-powered guided missile cruiser also has been authorized and the Navy is asking authority to start work on an attack carrier powered by the atom.

It costs about \$45 million to build a nuclear-powered sub, about \$310 million for a nuclear-powered carrier.

Despite this heavy cost, the Navy hopes to have enough vessels running on nuclear power by 1970 to form a complete task force. It then believes it will have the most potent offensive and defensive weapons system in the nation's arsenal.

**Hard to Hit**  
The Navy contends that in a push-button nuclear war land-based weapons might be knocked out in a sudden mass attack by an aggressor, but long-range missiles would not be able to hit a speedy carrier force cruising the high seas. Thus, it says, the Navy might be the only real striking power left after such a surprise attack by an enemy.

In limited, non-nuclear wars such modern Navy ships can be just as valuable because they can move swiftly to trouble spots. Even today, the U.S. 7th Fleet patrolling waters in the Formosa

area can apply pressure anywhere from Korea to Singapore in a matter of 24 hours.

This patrolling operation is one of the Navy's most important functions in today's uneasy world. The Navy keeps the 7th Fleet in Far Eastern waters and the 6th Fleet in the Mediterranean as on-the-spot warnings to the Communist powers that the United States is prepared to

swing into action at a moment's notice.

**Show The Flag**  
When trouble broke out in Jordan earlier this year, ships from the 6th Fleet were dispatched immediately to the eastern Mediterranean to "show the flag." Some persons credit this with convincing the Communists not to step too far out of line.

At present the Navy has about

980 active vessels, including about 15 attack carriers, nine support carriers and two battleships. The battleships — USS Iowa and USS Wisconsin — are scheduled to go on inactive status soon.

Active naval aircraft total about 11,785 planes, a big portion of them jets.

Just how many submarines the Navy has is not known.

The U.S. Navy ranks first in size of all the world's fleets. Russia is believed to be second and is still building at a fast pace.

**Soviets Building Fast**

Burke said the Soviets have built more warships of all types since World War II than all the rest of the world combined. Russia is credited with having more than 450 submarines and is continuing to build them at a fast

clip. Naval experts say if Russia ever reaches the point where it controls the seas, it would be almost impossible for the United States to win a war.

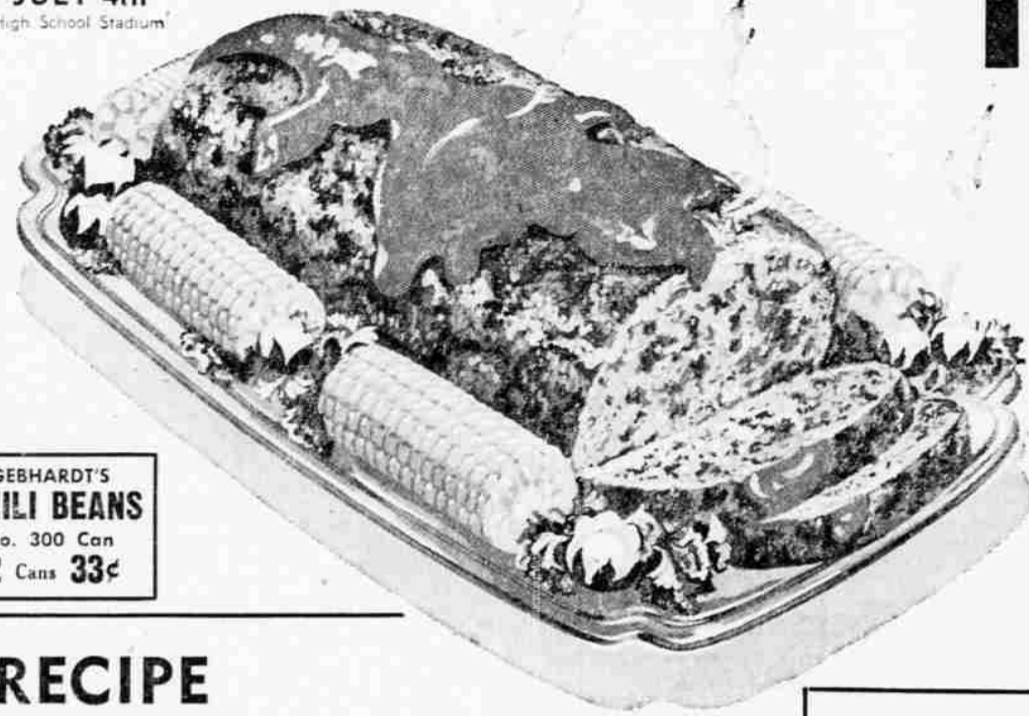
"They would dominate nearly 95 percent of the entire earth's surface," said Capt. John S. McCain, a top strategist in the office of the chief of naval operations. "This would cause the

breakdown of the oceanic coalition of the free nations of the world.

"On the other hand, our control of the world's oceans isolates the enemy to its own land mass. We would have access by sea to 85 per cent of the world's surface. This means the continuation of the free world alliance in the interests of security and peace."

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### Hercules Star Picture Can Be Seen in Eastern Heaven

By FAY WENTLEY

Would you like to meet the greatest of all heroes? One who, according to mythology, accomplished feats demanding tremendous strength, and performed seemingly impossible tasks?

"Like father, like son," is partly true in this case as Hercules, whom ancient Greeks regarded as the greatest of all heroes was the great-grandson of the courageous Perseus, who killed the Gorgon, Medusa.

Filling most of the sky-space between the two giant stars, orange-yellow Arcturus and blue-white Vega, is a large constellation of rather dim stars known from very early times as "the Kneeler." However, about 470 B.C. the name of this star picture was changed to Hercules.

Six stars arranged somewhat like an hour glass form a broad-

shouldered body with the left arm stretched straight out and the right arm, bent sharply at the elbow raised. Hercules, kneeling for stability, has just released an arrow. The left hand holds the bow, while the empty right hand has snapped back and upward in reaction from the shot.

**Tiny Triangle**  
In keeping with this idea, we find Sagitta the Arrow, a tiny triangle of three stars, just ahead of Hercules flying toward the Eagle and the Swan. Sagitta is a very ancient constellation.

Surprisingly enough, this star picture has also been called "The Butterfly," and it is just as easy to see the form of a butterfly as a kneeling man in this group of distant stars. A little imagination must be employed in either case.

Legend tells us that Hercules proved his great strength while still a babe in the cradle by strangling two huge serpents which Juno had sent to destroy him. As a further mark of Juno's hatred Hercules as a young man was bound to serve his disagreeable and jealous cousin, King Eurystheus, who gave him 12 difficult and dangerous tasks to perform, hoping that the young man would lose his life.

**Turns To Admiration**  
Finally after slaying the Nemean Lion and Hydra the Water Serpent; capturing the Wild Stag of Gerynae, the Erymanthian Boar and the famous Stag of Diana; killing the Stymphlian Birds and the Cretan Bull; capturing the Wild Horse of Diomedes; stealing the belt of Queen Hippolyta and 3000 oxen of King Geryon's herd; obtaining the Golden Apples from the Tree of Hesperides; and the three-headed dog Cerberus from Pluto; and lastly cleaning the Augean Stables which had housed 3000 oxen and had not been cleaned for 30 years, Juno's hatred for Hercules turned to admiration.

But even so, Hercules was not happy. His jealous wife caused him to put on a poison saturated garment that resulted in his death. In agony, the hero prepared to die bravely, but Jupiter appeared upon the scene, wrapped the young man in a great white cloud and placed him in the sky as a constellation.

And there you may see him about 8:30 p.m., EST, lying on his side high in the eastern sky. This star group can best be observed during June and July when it is high in the heavens as it is a spring and summer constellation.

To find Hercules begin with the last star in the handle of the Big Dipper and continue the curved line of the handle downward and to the right for about twice the length of the Dipper handle. This will reach the bright-orange-yellow star, Arcturus.

**Claiming Attention**  
From Arcturus look to the northeast or left and bright, blue white, twinkling Vega will claim your attention. A line drawn from Vega to Arcturus will cross the upper part of the body of "The Kneeler" which lies between these two bright stars, but nearer to Vega than Arcturus.

Given clear skies, it will not be difficult to locate the six stars forming the hour glass part of this figure. Three stars above and two stars below this main portion complete the arms and legs of the greatest of heroes.

A hazy patch of light just below the top star on the western side of the hour glass points out a globular or ball shaped star cluster of approximately 50,000 stars. Fairly visible to the naked eye this is a magnificent sight when viewed with the telescope and is the finest of the 100 known globular star clusters.

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**Active Governor To Review Clatsop Troops**  
Salem — Acting Governor Boyd Overhulse will review Oregon troops training at Camp Clatsop near Astoria on Wednesday.

Overhulse, Senate president, is acting governor while Robert D. Holmes is attending the National Governor's conference. Overhulse spent Saturday at Ft. Lewis reviewing National Guard troops.

First public library in New York City was established in 1807.