

Welcome to the USS ENTERPRISE CVAN/CVN_65 Association Newsletter

The newsletter via email for those whose
Have listed email on your membership form.
Others will receive it by standard USPS.



Scholarships are available for members, Family members, and grandchildren. Sponsors for scholarships must be members of the association for a minimum of two years Forms are available on our website. www.cvan-cvn-65.org We have been averaging three to four scholarships a year.



Welcome to Duluth, Minnesota, for the USS Enterprise Association Reunion. Things to see in the area. Here are a few suggestions: all distances from the hotel.

Duluth International Airport 6.4 Mi

[Richard I. Bong Veterans Historical Center](#) 2Hr 6 Min 115 ML



This is across the bridge in Superior, Wisconsin



[Skyline Parkway](#) 218-730-4300 26 miles scenic byway



3 Min 1.3 MI

[Glen Sheen Mansion](#)



2Hr 7Min 115 Mi

After shipping season starts, you can view ships arriving in Duluth via these websites: [Duluth Harbor Port](#)



[3Min 2 MI](#)

Weekends only: [Willim A Irving Haunted Ship](#) 350 Harbor Drive, a tour of the bulk freighter



1Min .5 MI

[Color Change](#) everywhere



[Splitrock Lighthouse](#) 57 Min 47 MI



From Reunion 2019

Joyce and I hosted the 2019 Enterprise reunion in Columbus, Georgia and we would like to thank the members and family who attended and helped make our reunion a great one.

We hope all of you enjoyed our reunion and the two tours we offered as well as our memorial service which was held at Fort Benning. Our paver for the dedication ceremony was held on Memorial Day 2019. The location of our U.S.S. Enterprise Association Plaque is at the flag of states, section 16A, row 6.

If you are in Columbus, Georgia in the future, stop by [Fort Benning's museum](#), and look for it. A special thanks to Ashley Weitona for helping us organize our reunion and also to all of you that helped make it a great success.

A special thanks also to our speakers, Todd Creekman, Skip Henderson, our mayor, and Mary Louis Griffith. Thank you to the Sea Cadets that presented the flag and their leader Mrs. Allred. Everyone did a fantastic job!

See you all in Duluth, Minnesota 2021.



Sincerely,
David and Joyce Mangieri

The 2022 USS ENTERPRISE REUNION is planned for September 20-24 in Las Vegas, Nevada. It will be held at [Sam's Town](#). They also have an [RV park](#) for those who may wish to travel by RV. More information will follow.

USS Enterprise history on how we knew where everyone was. And how the ship protected itself if all squadrons were grounded.

Enterprise was intended as the first of a class of six carriers, but massive increases in construction costs led to the remaining vessels being canceled. Because of the huge cost of her construction, *Enterprise* was launched and commissioned without the planned [RIM-2 Terrier](#) missile launchers. Initially, the carrier had little defensive armament. Late in 1967, *Enterprise* was fitted with a prototype [Point Defense Missile System \(BPDMS\)](#) Basic installation, with two eight-round box launchers for Sea Sparrow missiles. A third BPDMS launcher was fitted during the ship's refit in 1970– 1971.

Later upgrades added two [NATO Sea Sparrow \(NSSM\)](#) and three [Mk 15 Phalanx CIWS](#) gun mounts. One CIWS mount was later removed and two 21-cell [RIM-116 Rolling Airframe Missile](#) launchers were added.

Enterprise is also the only aircraft carrier to house more than two nuclear reactors,^[6] having an eight-reactor propulsion design, with each [A2W reactor](#) taking the place of one of the conventional boilers in earlier constructions. She is the only carrier with four rudders, two more than other classes, and features a more cruiser-like hull.

Enterprise also had a [phased array](#) radar system known as [SCANFAR](#). SCANFAR was intended to be better at tracking multiple airborne targets than conventional rotating antenna radars. SCANFAR consisted of two radars, [the AN/SPS-32 and the AN/SPS33](#). The AN/SPS-32 was a long-range air search and target acquisition radar developed by Hughes for the U.S. Navy. The AN/SPS-32 operated together with the AN/SPS-33, which was the square array used for 3D tracking, into one system. It was installed on only two vessels, *Enterprise* and the cruiser [USS Long Beach](#), placing a massive power drain on the ship's electric system.

The technology of the AN/SPS-32 was based on vacuum tubes and the system required constant repairs. The SPS-32 was a phased array radar that had a range of 400 nautical miles against large targets, and 200 nautical miles against small, fighter-size targets. These early phased arrays, replaced around 1980, were responsible for the distinctive square-looking island.

The AN/SPS-32 and AN/SPS-33 radars, while ahead of their time, suffered from issues relating to the electrical beam steering mechanism and were not pursued in further ship classes. While they are considered to be an early form of "phased array" radar, it would take the later technology of the Aegis phased array [AN/SPY-1](#) with its electronically controlled beam steering to make phased array radars both reliable and practical for the USN. The dome above the SCANFAR contained the unique electronic warfare suite, [the Andrew Alford AA-8200 dipole antennas \(which never acquired a military designation\)](#). The system consisted of six rows of antennae encircling the dome. The antennae in the upper two rows were encased in piping radomes as they were small and fragile.

Better known to CVAN-65 crew members as the Beehive

[Documentry of The USS ENTERPRISE](#)

35th Annual USS Enterprise CVAN/CVN Association Reunion

October 3-8, 2021

Radisson Harbor View Hotel

505 W. Superior St.

Duluth, Minnesota 55802

Reservations: 1-800-333-3333 (group name USS Enterprise)

Group Rate: \$109 plus tax and fees (=\$124.67) for reunion and the 8th and 9th. Call by 3 September, 2021.

Note: Rates on Friday and Saturday nights 1 and 2 October will be higher and will be determined by the hotel.

Registration: \$155 includes welcome and farewell dinners and trip on the North Shore Scenic Railroad

Due by 3 September

Member's name, address, and contact information:

Welcome Dinner Choice:

Chicken Cordon Bleu 6 oz. sirloin steak Stuffed Peppers (vegetarian) North Shore Walleye

Name: _____

Name: _____

Farewell Dinner Choice:

Chicken Cordon Bleu 6 oz. sirloin steak Stuffed Peppers (vegetarian) North Shore Walleye

Name: _____

Name: _____

Please make checks payable to USS Enterprise 2021 Reunion. Mail to: Steve Packwood

We can be reached at 651-890-4616 or 651-895-4905

2170 James St.

Eagan, MN 55122