

WELCOME



ABOARD

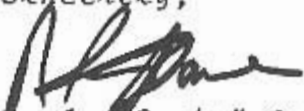
Captain R. J. Spane
Commanding Officer



Dear Enterprise visitor,

We hope you enjoy your tour of USS Enterprise. While we understand that our ship is a worthy tour attraction, we must emphasize that we are not prepared to entertain our visitors in an ordinary sense. USS Enterprise is a warship first and foremost, and is one of the most technologically complex systems that man has conceived and built. Furthermore, it is designed and built around the premise that it must be operated and maintained by select young people who graduate each year from our nation's high schools. The average age of Enterprise's crew is between 20 and 21 years; they have only two or three years of experience and training since leaving their home towns. Yet they have learned the technical skills, the teamwork and the personal discipline to operate this miracle of American technology, and to do it safely and efficiently. That is what we are proudest of -- our splendid ship and the splendid young men who comprise the proud and professional crew of USS Enterprise.

Sincerely,


R. J. "Rocky" Spane
Commanding Officer

DID YOU KNOW...



-The height of each of ENTERPRISE's four propellers is 21 feet or the equivalent to the height of a two-story home.

-The "Big E" power plants could potentially supply the electrical needs of a city the size of Minneapolis, Minnesota.

-The steam catapults are approximately 250 feet in length. On average, an aircraft is accelerated from a complete standstill to 140 knots in just over two seconds. The pilot is subjected to four positive G's (four times the normal force of gravity).

-Conversely, an aircraft lands at an average speed of 130 knots and decelerates to zero in approximately two seconds; within 318 feet.

-During launch and recovery cycles, the ship is turned so that winds are 10 degrees to the port side of the bow at 25 knots. This maneuver puts them directly down the angle deck of the ship.

-The 6000 pound spear, which is the internal portion of the catapult shuttle, attains a speed of 150 knots and is stopped in five feet at the end of the catapult track by a water brake.

With all four catapults in operation, aircraft can be launched every 30 seconds.

-The ENTERPRISE flight deck could accommodate 60 tennis courts or four football fields or five city blocks.

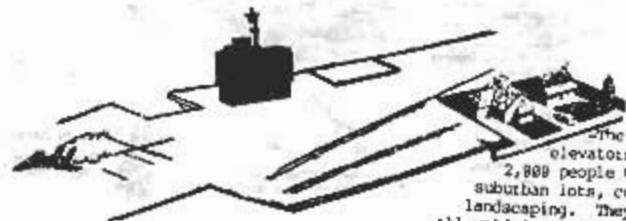
-Since being commissioned, ENTERPRISE has steamed more than 500,000 nautical miles which equates more than 20 times around the world.

-If taken out of the water and set horizontally, ENTERPRISE would equal the height of a 25-story building. If set vertically, it would measure 200 feet taller than the famous Trans America Building, the tallest structure in San Francisco, or more than 125 feet taller than the Eiffel Tower in Paris, France.

-A pilot does not watch the deck when making his final approach during a landing. Instead, he receives audible cues from the landing safety officer and visual cues from the flight deck approach landing lights or "matball."



-Each anchor chain weighs approximately 240 tons and could sustain the weight of four of the largest locomotives.



-The all-aluminum aircraft elevators have enough room for 2,000 people to stand or could hold suburban lots, complete with homes and landscaping. They are also the largest all-welded aluminum structures ever built.

Enterprise Statistics

Navy designation
Type of ship
Keel laid
Launching
Commissioning

CVN-65
Nuclear-powered aircraft carrier
February 4, 1958
September 24, 1960
November 25, 1961

Dimensions:

Length overall	342 meters (1,123 feet)
Width of flight deck	78 meters (257 feet)
Width of main deck	43 meters (133 feet)
Height (keel to mast top)	76 meters (250 feet)
Area of flight deck	18,000 square meters (4.47 acres)
Displacement (weight)	81,000,000 kilograms (90,000 tons)

Anchors and chains:

Number of anchors and chains	Two
Weight of each anchor	27,000 kilograms (30 tons)
Weight of each link in chain	163 kilograms (360 pounds)
length of each anchor chain	329 meters (1,080 feet)

Propulsion system:

Number of reactors	Eight
Number of main engines	Four
Maximum speed	More than 30 knots (55 kilometers per hour) (34 miles per hour)

Number of propellers

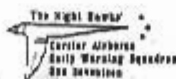
Weight of each propeller	Four
Blades on each propeller	29,000 kilograms (32 tons)
Diameter of each propeller	Five
Number of rudders	6.4 meters (21 feet)
Weight of each rudder	Four
	32,000 kilograms (35 tons)

Number in crew (incl. air wing)

Number of compartments and spaces	More than 5,000
Meals served	More than 3,000
Amount of food consumed	More than 15,000 per day
	More than 13,000 kilograms (15 tons) per day
Number of telephones	More than 1,100



'The Crossbones'
Attack Squadron
Twenty Five



'The Night Hawk'
Carrier Airborne
Early Warning Squadron
One



'The Helix'
Helicopter
Anti-Submarine
Squadron Six



'The Night Hawk'
Attack Squadron
Twenty Two



'The Black Cat'
Fighter Squadron
Two Thirteen



'The Fighting Angel'
Fighter Squadron
One Fourteen



'The Swords'
Naval Ordnance Warfare
Squadron One Thirteen



'The Fighting Hawks'
Attack Squadron
Twenty Two



'World Watchers'
Fleet Reconnaissance
Squadron One



'The Fighting Hawks'
Anti-Submarine
Squadron Twenty Two