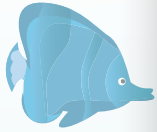


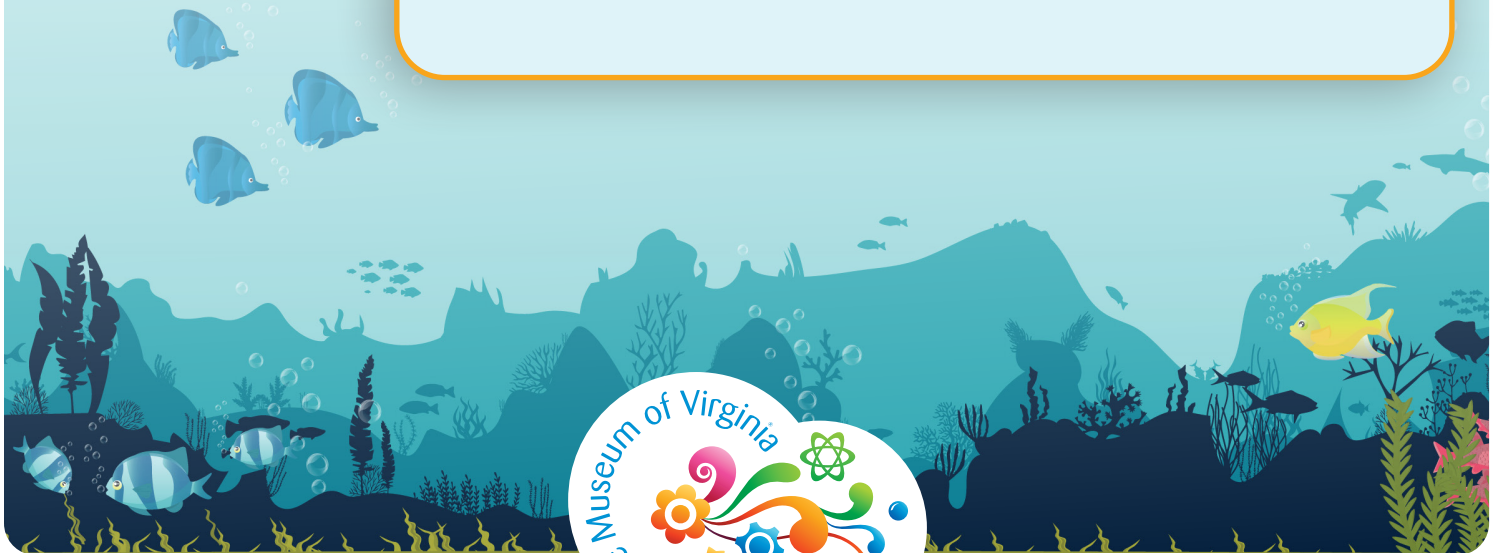
Aluminaut Word Search

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Aluminaut
Reynolds Metals
Aluminum
Undersea
Submarine
Crew
Speed
Submersible
Research
Innovation
Exploration
Oceanography
Vessel
Sonar
Buoyancy
Manipulators
Rescue Mission
Hull
Endurance
Stowage
Payload
Dive
Viewports
Nautical



H J D H D Q O E S L D U X U O P A R V D
M U E O C E A N O G R A P H Y Y D O U R
U U Q V T N U D I S R U O I I M E R L N
G R W E U S N U J N F R R L A E Y O A O
F E E S A R D R E E N R E N Y C I W C I
B Y O S N D E A E N C O I S N A E V I S
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O O U L M E S C Q L U R I A C A X B U I
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Y T I I S D P P J O F Y R O I M A S L E
E A B D Y X U G S N U D O D R D I G E R
E L L H E I H R C A A H R B Y T K O E V
S S E A A O E G L R U C U E D A S W H I





The Aluminaut represents a significant nautical innovation as the world's first aluminum deep-ocean research submersible.

After many years of development and fabrication, the submarine was built by the Reynolds Metals Company in 1962 to showcase the strength and capability of aluminum and its value in benefiting science through undersea exploration. Reynolds Metals hoped to contribute to national security, foster scientific understanding and locate new sources of minerals and food.

The Aluminaut had a brief, but packed, career. It took scientists below the ocean surface to carry out experiments, repaired underwater cables and equipment, discovered mineral deposits on the ocean floor, searched for sunken treasure and Titanic wreckage, recovered a hydrogen bomb and rescued a Navy research submarine. It also set a world record for deepest dive by a submarine.

Reynolds Metals Company donated the Aluminaut to the Science Museum of Virginia in December 1991. The huge blue and orange vessel sits on the Museum's campus so guests can marvel at the creative engineering masterpiece.

Service:	1964-1971	Manipulators:	Two 9-foot articulated arms capable of lifting 200 pounds each
Material:	Alluminum Alloy 7079-T6	Viewports:	Four 4-inch-diameter windows to facilitate observation
Weight:	80.9 tons	Sonars:	High-frequency, utility and echo sonars used for object identification, navigation and determining distances
Length:	51 feet, 3 inches	Stowage:	7-cubic-foot external compartment for 600 pounds worth of specimens
Width:	8 feet, 1 inch	Cost:	\$4 million
Hull Thickness:	6.5 inches		
Cruising Speed:	3.8 knots		
Dive Time:	6,000 feet in 1 hour, 45 minutes to surface		
Dive Duration:	6 people, 72 hours		
Number of Dives:	251		
Max Depth:	15,000 feet		
Yield Strength:	7,000 pounds per square inch		
Payload:	6,000 pounds		
Crew:	2-8		