



Edited by  
Peter Symes

Wreck of the B-17F "Black Jack" off Cape Vogel in Papua New Guinea

Text and photos by Don Silcock

**World War II came to the Australian territory of Papua New Guinea in January 1942 when the Imperial Japanese Army invaded Rabaul in New Britain, followed shortly after by the taking of Kavieng in New Ireland. The invasion turned Papua New Guinea into a major theatre of war in the battle for the Pacific, and there were many brutal encounters between the invading Japanese and the defending Allied forces.**

Conditions were often appalling and the fighting was incredibly fierce, with many young lives lost on both sides. To this day, relics of those battles are part of the fabric of Papua New Guinea.

World War II was the first time that air power played a major role in combat and both sides had some formidable aircraft in action during what is now referred to as

the New Guinea Campaign. War is of course deadly by nature, but for the pilots and crew of those aircraft, the rate of attrition was particularly high, with many of them shot out of the sky. Some aircraft suffered mechanical failures, while others just got lost and simply ran out of fuel.

The majority of those planes have never been found because

they came down in remote jungle locations or far out at sea. However, some aircraft wrecks have been found. Each one has a special story. Of these, the underwater aircraft wrecks of Papua New Guinea offer us divers a unique insight into those heroic tales.

### **B-17F Black Jack**

Lying undisturbed in the deep wa-

ter, just off the fringing reef from the remote village of Boga Boga on the tip of Cape Vogel, is what many consider to be the best aircraft wreck in Papua New Guinea and possibly the world. The wreck is the B-17F "Black Jack", serial number 41-24521. It was one of the first Flying Fortress bombers built at the Boeing factory in Seattle during WWII, which takes its

name from the last two digits of its serial number—a jack and an ace is a "blackjack hand" of 21 in the card game of Pontoon.

Black Jack's final flight was on 10 July 1943, when it left 7-Mile Airdrome in Port Moresby just before midnight, on a mission to bomb the heavily fortified Japanese airfields at Rabaul in New Britain. The flight was a troubled

one, soon after take-off, as both of the right wing engines developed problems during the flight over the Owen Stanley range and onwards to New Britain. However, the pilot, Ralph De Loach, and his crew of nine managed to reach Rabaul and successfully deliver their bombs on target.

De Loach turned the plane around to return to Port Moresby.



# Aircraft Wrecks *Of Papua New Guinea*



Historical photo of Boeing B-17E Flying Fortress, c. 1942 (left); Wreck of the B-17F "Black Jack" (far left)

PNG

which had remained undisturbed for nearly 60 years.

William was freediving for sea cucumbers when he noticed what seemed to be a large shadow on the seabed. Like many people in Papua New Guinea, he was very superstitious and thought that he was looking at a ghost lying face-up, with its arms outstretched, soaking up the sun. Terrified, he shot to the surface and the relative safety of his canoe, eventually summoning up enough courage to go back down to take a closer look—realizing that it was the wreck of a plane rather than some demon of the deep.



US AIR FORCE / WIKIMEDIA COMMONS / PUBLIC DOMAIN

### Kimbe Bay's Zero wreck

As the story is told around the bar at Walindi Resort, the day the Zero was found by local villager William Nui, was not long after a small plane had crashed on take-off

from Hoskins Airport in Kimbe Bay. So, when William saw a plane laying on the sandy sea floor, he thought he had found the wreckage of the recent crash—not that of a WWII Japanese fighter plane,

But on the way back, it ran into a violent storm on approach to the coast of New Guinea to the northwest of Cape Nelson, a situation the pilot later described as "the blackest of black nights... the worst flying weather I'd ever seen in my life".

Running low on fuel, and with two engines malfunctioning badly, De Loach decided against trying to get over the Owen Stanley Range to reach Port Moresby and turned Black Jack southeast towards Milne Bay, but was forced to ditch the plane at Boga Boga. The crew survived the crash landing and managed to scramble out of the plane before it sank down to the sandy seabed some 50m below, where it lay largely forgotten for another 43 years.

The discovery of Black Jack reads like something out of an adventure novel, with three Australians—Rod Pierce, Bruce Johnson and David Pennefather—stumbling on the wreck, almost by accident, in late December 1986, while searching for a completely different wreck. The villagers at

Boga Boga had told Pennefather that a plane had crashed near their reef in WWII and he believed it might be the Australian Beaufort A9, which had crash-landed off Cape Vogel in November 1942. Pierce, Johnson and Pennefather organized an exploration trip on Rod Pierce's liveaboard diveboat, *MV Barbarian*, to search for the wreck.

Pearce found the wreck when he spotted the large tail-plane, as he made his way along the edge of the fringing reef at Boga Boga. As someone who had dedicated his life to wreck diving, it must have been like finding the Holy Grail. Over the next few days, they dived the wreck as much as its depth of nearly 50m would allow, entering the inside of the plane and finding the Radio Call Plate with the 24521 serial number on

it, which later allowed them to positively identify it as the famous Black Jack.

Diving the Black Jack is a unique experience, as the plane is so intact. Sitting as it does on a sandy seabed in clear blue waters with visibility that can easily reach 40m, it is almost like a set from a Hollywood movie! The nose is badly crumpled from the impact of the crash landing and the propellers on the four engines are somewhat twisted, but the rest of the plane is all there. It is quite a remarkable sight after 73 years underwater.



US NAVY / WIKIMEDIA COMMONS / PUBLIC DOMAIN

Japanese Navy Mitsubishi A6M2 "Zero" fighter, 1941



Wreck of Japanese Navy Mitsubishi "Zero" fighter in Kimbe Bay





Wreck of Japanese Navy Mitsubishi "Zero" fighter (left and below)

who saw the plane come down helped him ashore and took him to the nearby village of Talasea.

What happened after that remains a mystery, but one theory is that losing a plane due to navigational errors would have been a very significant loss of honor, and Honda, unable to deal with such a loss of face, spent the rest of his life in the jungles of New Britain. An alternative but slightly more gruesome notion (which is very popular around the bar at Walindi) is that he ended up as the main course of a ceremonial feast for a head-hunting tribe—a practice still common in those days.

### New Ireland's "Deep Pete"

While Rabaul was Japan's main base along the southern rim of the Pacific, Kavieng in nearby New Ireland also played a significant role in the grand Japanese plan for control of New Guinea, together with the isolation and possible invasion of Australia to the south. Kavieng's strategic location to the north of Rabaul meant that it could be used to protect both Rabaul and the Japanese supply convoys coming down to New Guinea from Japan and the huge Imperial Navy base at Truk Lagoon in the central Pacific.

At Kavieng, the Japanese sig-

nificantly expanded the original Australian-built airfield and set up a sea-plane base, which, when the tide of war turned, became an important target for the Allied forces. There are more known aircraft wrecks around Kavieng than anywhere else in Papua New Guinea, and my personal favorite is the "Deep Pete" because I think it is the most photogenic.

The plane is a Mitsubishi F1M float-plane, which was designed and built to be launched by catapult from battleships, cruisers and aircraft tenders and used for reconnaissance missions. However, it also saw service as an impromptu

William took his story to the local authorities and word of the discovery made it to Max Benjamin, the owner of Walindi Plantation Dive Resort, who although somewhat doubtful about its veracity, felt that it should be checked out. What Max found was a WWII Mitsubishi Zero in quite remarkable condition despite its six decades underwater.

There were no signs of bullet holes or combat damage to indicate that the plane had been shot down, rather the "off" position of the throttle lever and the pitch control set to reduce air speed clearly pointed to a controlled crash landing. In all probability, the pilot had got lost and ran out of fuel—a relatively common occurrence during the New Guinea campaign and confirmed by Japanese records showing that, in 1942, only 10 Zero pilots were shot down in air combat, but



16 had disappeared due to "unknown causes".

The aircraft's serial number and date were still visible on the wreck, and military records show that the plane went missing during

the battle of Cape Gloucester on West New Britain on 26 December 1944. The pilot on that day was Tomiharu Honda, but his fate remains a mystery, although a local story suggests that some locals



"Deep Pete," wreck of the Japanese Mitsubishi "Pete" floatplane in Kavieng, New Ireland



Historical photo of a Royal Australian Air Force PBV Catalina from 1944; Historical photo of Japanese Mitsubishi F1M1 "Pete" floatplane (lower right)



WIKIMEDIA COMMONS / CC BY-SA 4.0



Wreck of a Royal Australian Air Force PBV Catalina near the mouth of the harbor in Kavieng

fighter, dive bomber and patrol aircraft. The Mitsubishi F1M was a biplane, with a single large central float and stabilizing floats at each end of the lower wing. Early versions suffered from poor directional stability in flight, and were prone to "porpoise" when on the water, which may explain why the wreck is actually there.

The name "Pete" comes from the way the Allied Forces identified enemy aircraft during WWII, as the actual Japanese naming convention was difficult to understand and pronounce. Plus, there were two names for each aircraft—with one

being the manufacturer's alphanumeric project code and the other the official military designation.

So, the Allies used code-names instead: Men's names were given to fighter aircraft; women's names to bombers and transport planes; bird names to gliders; and tree names to trainer aircraft.

The wreck of the Pete float-plane is located on the western side of Nusa Lik (small Nusa) Island, which, along with Big Nusa Island, provides the shelter for Kavieng's harbor. The wreck lies on its back, with the remains of its main float

sticking up, on flat white sand in 40m of water—hence the name "Deep Pete". As it is on the Pacific Ocean side of Kavieng, diving it on an incoming tide means that the visibility is often exceptional and usually in excess of 30m.

Although its tail is broken, its biplane shape is remarkably intact, given the relatively lightweight and fragile nature of the aircraft. What makes the Deep Pete so photogenic is the resident school of yellow sweetlips that stream in and around the wings, as well as the batfish and barracuda, which patrol in the clear blue waters above the wreck. At just 31ft long, with a wingspan of 36ft, Deep Pete is not a big wreck, but given its depth of 40m and the square profile of the dive, there is rarely enough time to fully explore it, and at least two dives are required to fully appreciate and photograph it.

### New Ireland's Catalina wreck

The wreck of the Royal Australian Air Force (RAAF) PBV Catalina A24-11 rests in 20m near the entrance to Kavieng's

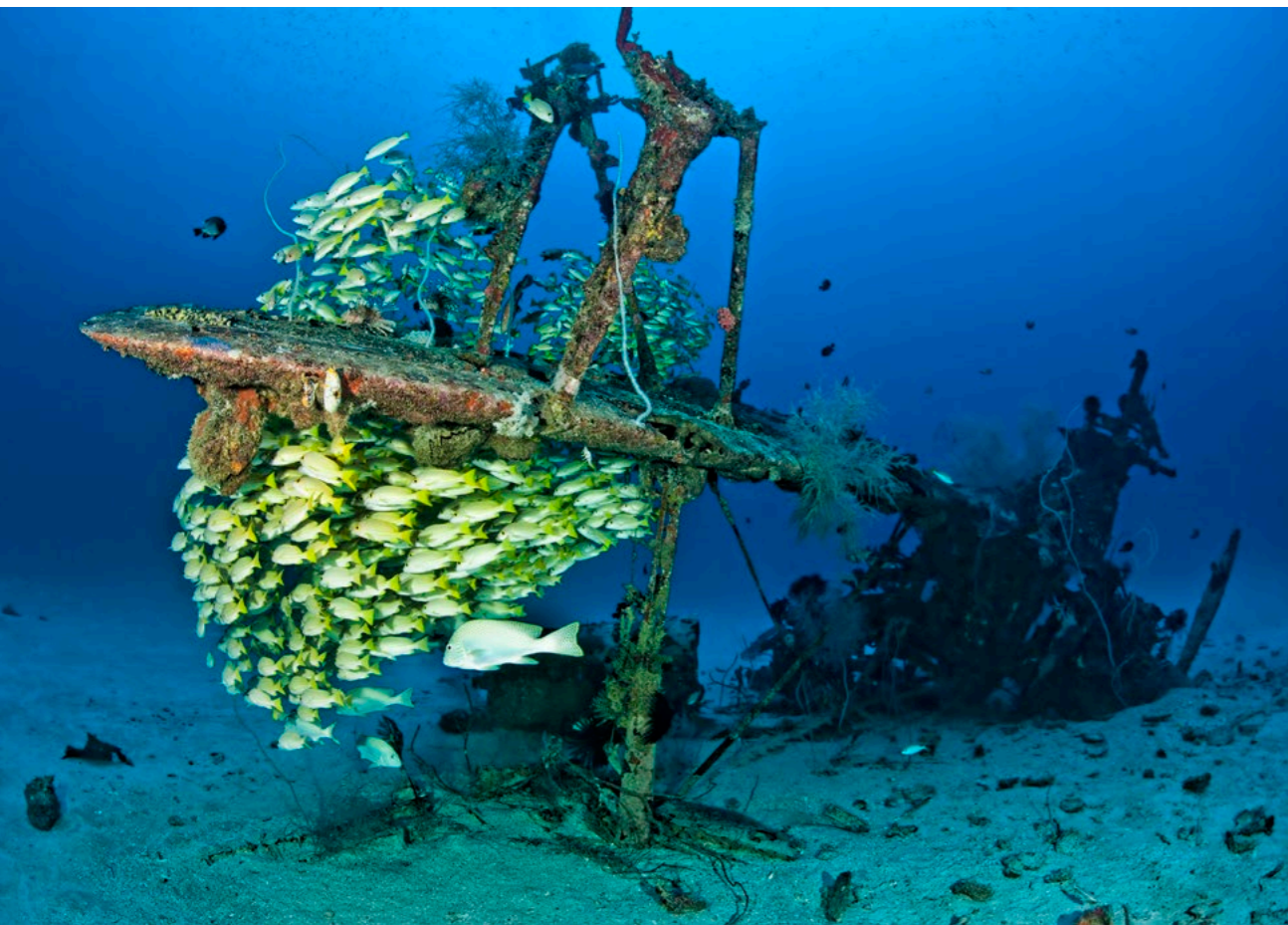
harbor. The Catalina flying boat was developed by the US Navy in the 1930s as a long range patrol bomber. Although slow and somewhat ungainly, the Catalina flying boats served with distinction during WWII, both in the role for which they were designed, and as a very effective way of rescuing downed airmen. Their ability to land on water meant that they could be used to quickly and effectively rescue crews that had gone down in the Pacific. They are credited with saving the lives of thousands of Allied aircrews.

PBV A24-11 had taken off from Rabaul with six other RAAF Catalinas on a mission to attack the Japanese base at Truk Lagoon and had landed at Kavieng to take on fuel before heading north in to the Pacific. After refueling at Nusa Island, the Catalinas took off again one by one, but disaster struck when it was the turn of A24-11, as one of its wing bombs was hit by sea-swell causing it to explode. The force of the explosion

killed the crew instantly and sent what was left of the Catalina to the bottom of the harbor entrance, where it lay until 2000, when Rod Pierce found the wreckage.

The engines are what makes the Catalina wreck special, as they stand proud on the seabed, surrounded by those parts of the plane that were not obliterated in the explosion. Whenever I dive the Catalina, my thoughts always return to the brave crew suspended in the flimsy fuselage below those massive engines. Like all the crews of the aircraft wrecks of Papua New Guinea, they were simply doing their duty to their country. Some lived to tell the tale, but many did not, and the aircraft wrecks of Papua New Guinea are poignant reminders of the sacrifices these servicemen made. ■

*Based in Bali, Indonesia, Don Silcock is the Asia correspondent for X-Ray Mag. Check out his website [Indopacificimages.com](http://Indopacificimages.com) for the extensive location guides, articles and images on the diving in Papua New Guinea and other diving locations in the Indo-Pacific region.*

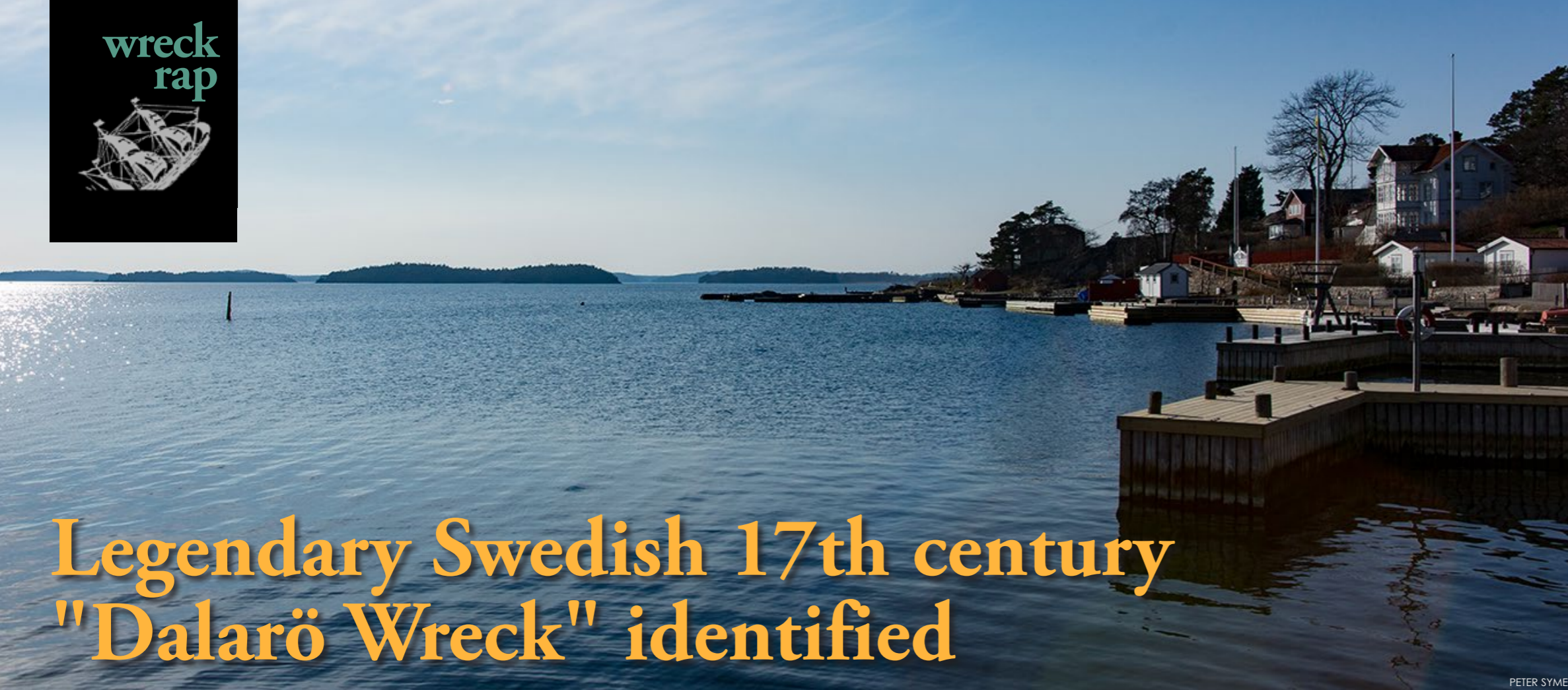


"Deep Pete," wreck of the Japanese Mitsubishi "Pete" floatplane in Kavieng, New Ireland



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# Legendary Swedish 17th century "Dalarö Wreck" identified

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**The Dalarö Wreck has been identified in documentary sources as the small Swedish naval vessel *Bodekull*, which sank in 1678 during the Scanian War, Swedish archaeologists announced.**

The wreck was discovered in 2003 north of Dalarö in the Stockholm Archipelago. Artefacts indicated that the ship sank during the mid or later half of the 17th century.

### Largely intact

With a coherent hull, intact deck and two masts still standing, the wreck is one of the best preserved 17th century ships in the world. Even if it is a small vessel, it has many details in common with large sailing warships, such as gun ports along the sides and a lion figurehead. Despite the massive attention the wreck has achieved

from researchers, media and others, the original identity of the wreck has remained an open question until now.

The answer was found by Niklas Eriksson, postdoctor at the Centre for Maritime Studies and the Department of Archaeology and Classical Studies. In the preserved minutes and letters of the Swedish Admiralty kept in the Military Archives. In 1659, Karl X Gustav ordered a number of small vessels to

be used for transport of horses and soldiers in his war against Denmark. After the unpredicted death of the king, the campaign against Denmark was cancelled and the unfinished ships ordered before his death were rebuilt in different ways.

One of these was *Bodekull*, which was built under supervision of the newly recruited English Master Shipwright Thomas Day between 1659 and 1661. As the design was changed during construction, several unique details that are also visible on the wreck, are mentioned in the preserved correspondence between the shipyard and the Admiralty.

### Another war

In 1675, the war with Denmark broke out again. During the fall of 1678, the Swedish

fleet sought winter quarters just north of Kalmar instead of returning to Stockholm in order to take advantage of the earlier ice-break in the southern harbour. *Bodekull* was sent to grind cereals at a mill along the coast under the command of Olof Styff. Despite his instructions, he sailed to Fagerholmen in the Stockholm archipelago. On its way back, the ship hit a rock and sank. Twenty barrels of water soaked flour was sent to Stockholm. The story of *Bodekull's* foundering was written down in the documents thanks to the extensive discussions within the Admiralty on how to make bread out of the soaked flour.

The opportunity to study *Bodekull* through both material remains at the seabed and written documents in archives provides a unique opportunity to reveal previously unexplored aspects of the everyday activities of the navy as well as the crew's everyday life onboard. ■ SOURCE: SWEDEN'S NATIONAL MARITIME MUSEUMS



PHOTO COURTESY OF SWEDEN'S NATIONAL MARITIME MUSEUMS

Artefacts (above) on Dalarö wreck site (top left)

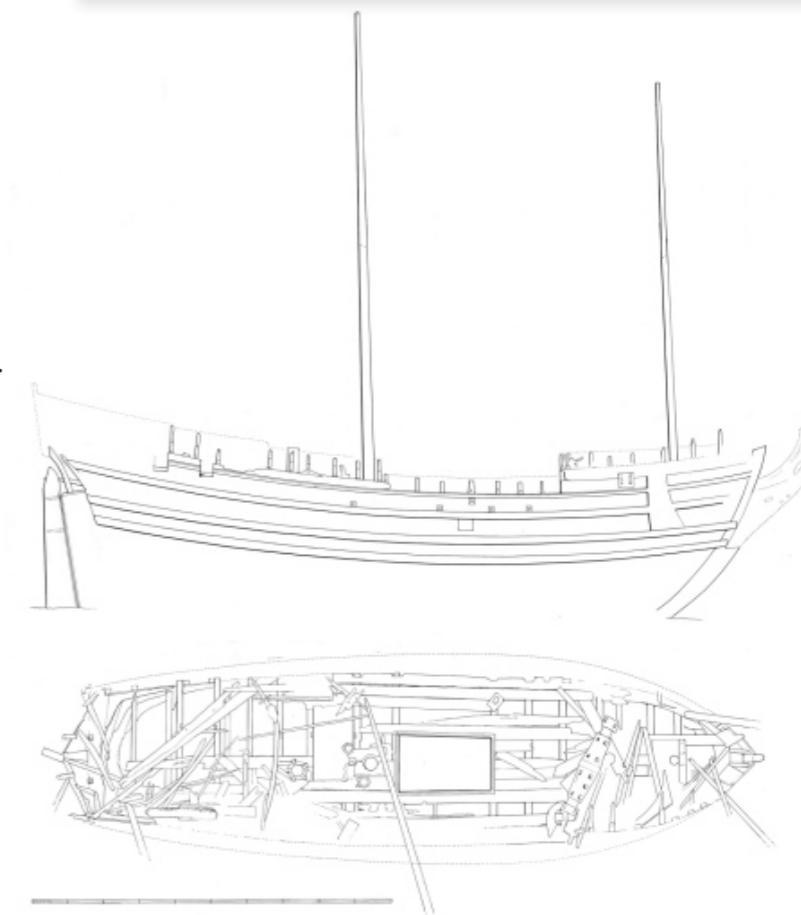


Illustration of Dalarö wreck site

ILLUSTRATION COURTESY OF SWEDEN'S NATIONAL MARITIME MUSEUMS





Historical photo of HMAS *Perth*



ROYAL AUSTRALIAN NAVY

## Illegal salvage strip 60 percent of Australian wartime wreck HMAS *Perth*

**On May 14 to 17, divers to the World War II wreck HMAS *Perth* made the shocking discovery that as much as 60 percent of the wreck was missing.**

"The research team has found evidence of large-scale salvage on the site, including what appears to be recent removal of material from the wreck," said Kevin Sumption, Director of the Australian National Maritime Museum (ANMM).

It is believed that the wreck had been pillaged illegally for scrap metal. The magnitude of the loot-

ing was indicative of a large-scale commercial salvage operation.

Scrap metal from naval shipwrecks have a very high resale value. For instance, the phosphor bronze from the propellers is valued at about \$4,000 per tonne.

The HMAS *Perth* had sank off the coast of Java as a result of Japanese torpedo strikes in 1942. More than 350 navy personnel and civilians perished. Frank McGovern, one of the survivors still alive, said, "That's sad news all right." He added that he hoped the wreck could be declared a war grave.

Sumption gave the assurance that the ANMM was committed to working with the National Research Centre of Archeology

Indonesia (ARKENAS) to safeguard whatever was left of the wreck.

"As the site lies in Indonesian territorial waters, it is important that we continue to work in close partnership with our Indonesian colleagues," he said.

On their part, ARKENAS director, I Made Geria, assured that they would continue with efforts to obtain formal protection for the site.

The HMAS *Perth* is not the only shipwreck around Indonesia that have been pillaged. In 2016, three Dutch naval wrecks that sank in 1942 during the Battle of the Java Sea had completely vanished as a result of illegal salvage operations.

■ SOURCE: PS WORLD NEWS, SYDNEY MORNING HERALD



## Century-old US Coast Guard cutter wreck discovered

**Strong currents and thick sediment means USCGC *McCulloch* wreck to remain where it is.**

In October 2016, a gathering of fish was the clue that suggested that the joint hydrographic survey off the Southern Californian coast might turn out to be more interesting than usual. This was because the unexpected congregation suggested the presence of a shipwreck.

Further investigations conducted via a remotely operated vehicle (ROV) revealed that the wreck was that of the USCGC *McCulloch*, which sank at the Point of Conception, 5km off the coast of Southern California.

### History

Built in 1896, the ship was the largest cutter vessel at the time. The following year, it was drafted to serve under Commodore George Dewey in the Spanish-American War.

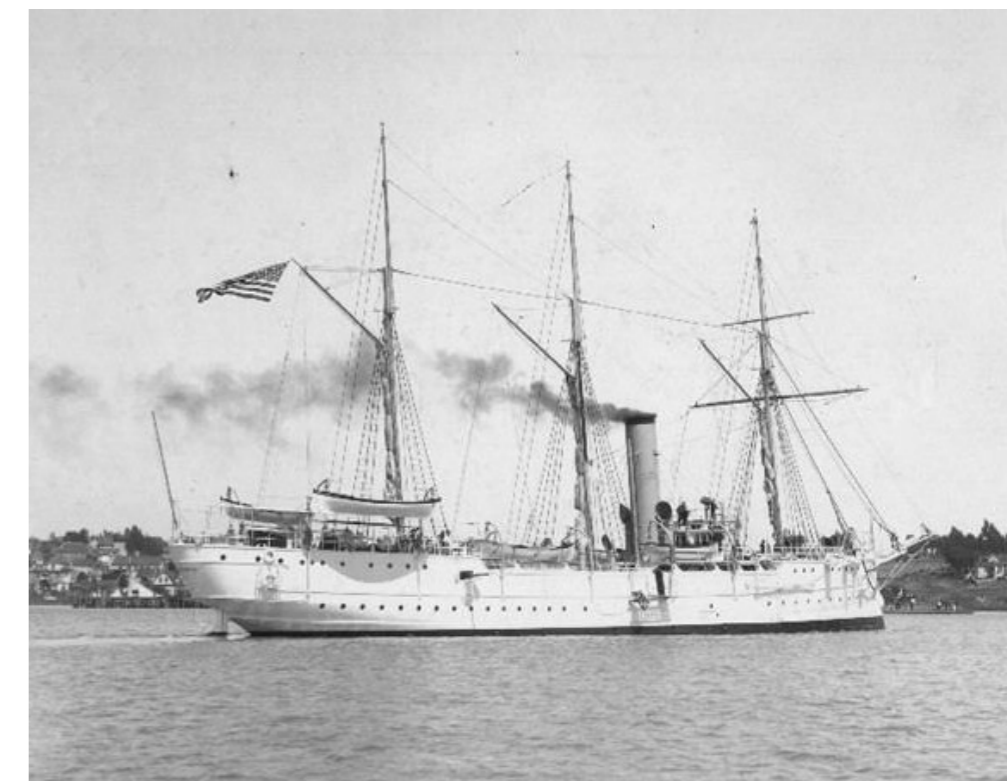
Then, in the early morning of 13 June 1917, the vessel collided with a civilian steamship and sank within 35 minutes.

### Discovery

In June 2017, the US Coast Guard announced the discovery of the shipwreck. They also mentioned

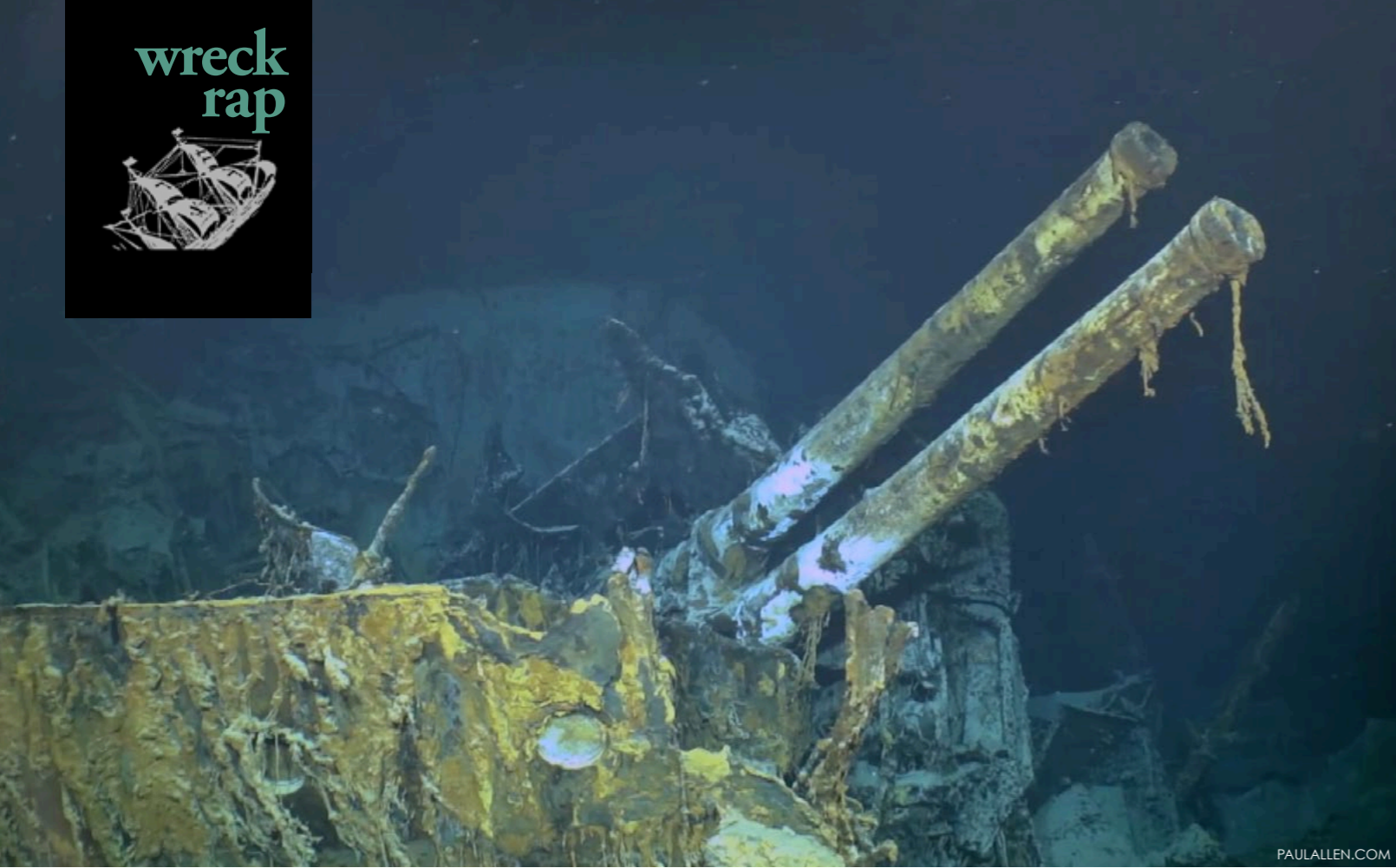
their intention not to raise or salvage the wreck as the strong currents and thick sediment that had accumulated after a century would have made such efforts extremely difficult. ■

SOURCE: SCIENCE TIMES, WASHINGTON POST, WIKIMEDIA



Historical photo of USCGC *McCulloch*

US NAVY



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# Italian naval ship discovered 77 years after it sank

A dive team led by Microsoft co-founder Paul G. Allen has discovered the Italian naval ship *Artigliere*, during an expedition in the Mediterranean Sea earlier this year.

The *Artigliere* was found along the Sicily-Malta escarpment in the Mediterranean Sea under about 3.66km of water in March 2017. The discovery was made by a dive team led by Microsoft co-founder Paul G. Allen.

The identity of the wreck was verified by video and photographic documentation, as well as the letters "AR"

WIKIMEDIA COMMONS



Historical photo of the Italian destroyer *Artigliere*

on the hull.

"The *Artigliere* is in amazingly good condition other than the fact she was sunk in a war," said David Reams, Senior Director for Allen's maritime operations.

"She's upright and easy to identify. At 3,700 meters down, the water is very cold and has little oxygen so there was

very little corrosion or encrustation."

The *Artigliere* was a Soldati-class destroyer that perished on 12 October 1940 after being damaged by forces from the



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Scenes from the wreck site of the *Artigliere* (above and top left)

British Navy in the Battle of Cape Passero.

The Italian government was notified of the

discovery in April 2017. The precise location of the wreck was not disclosed to the public in respect of the victims and their family members. ■ SOURCE:

FOX NEWS, PAULALLEN.COM



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