

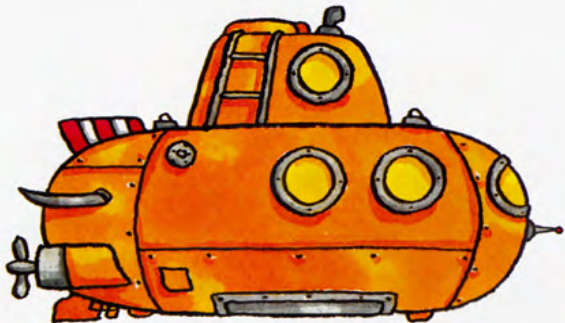


# SUPER SUBMARINES



Tony Mitton ● Ant Parker

# Super SUBMARINES



*To Edward Stansfield (aka Ed) with bubbles – T.M.  
For My – A.P.*

KINGFISHER

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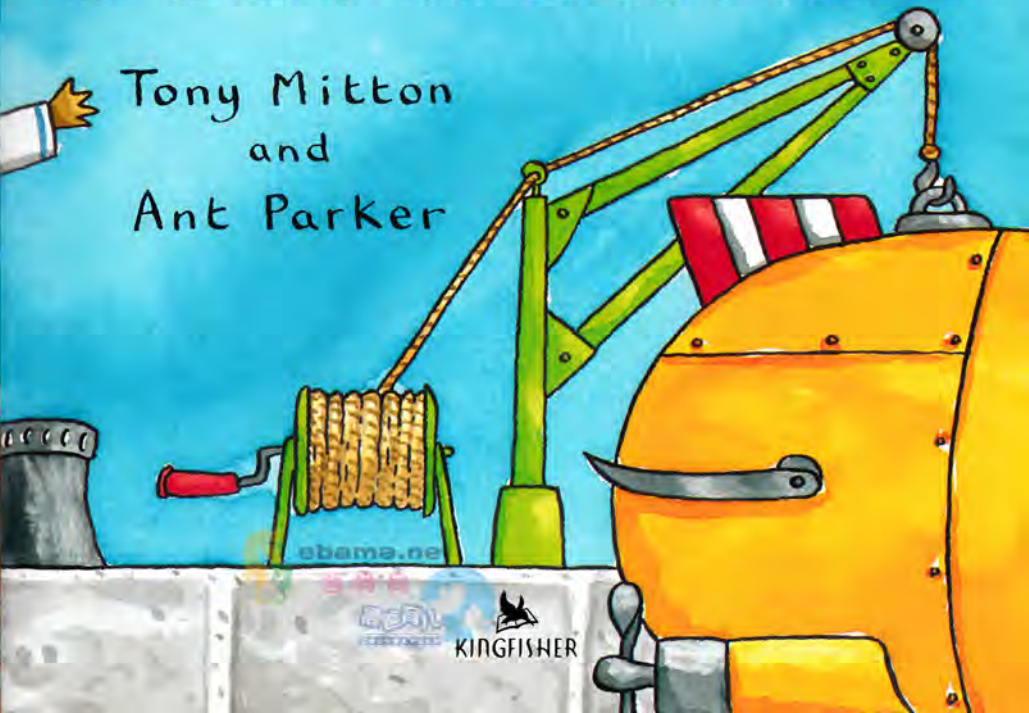
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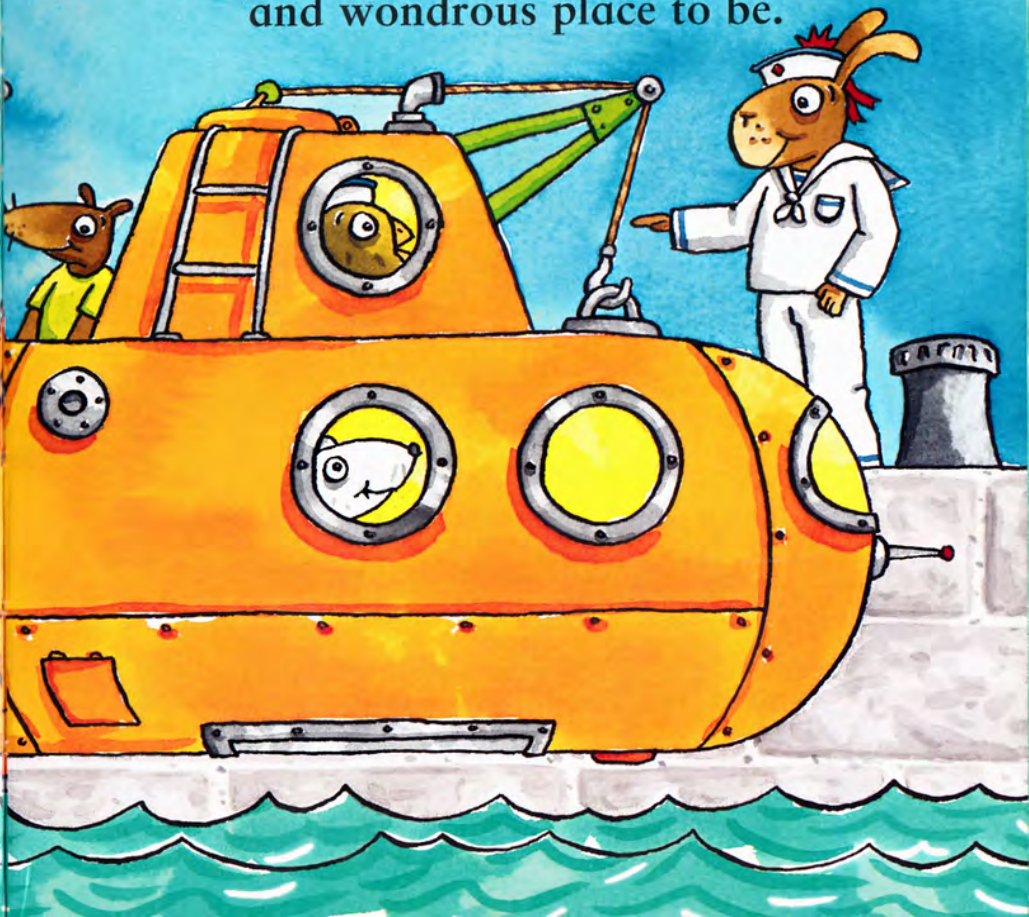
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A submarine's a kind of boat  
that dives beneath the sea.



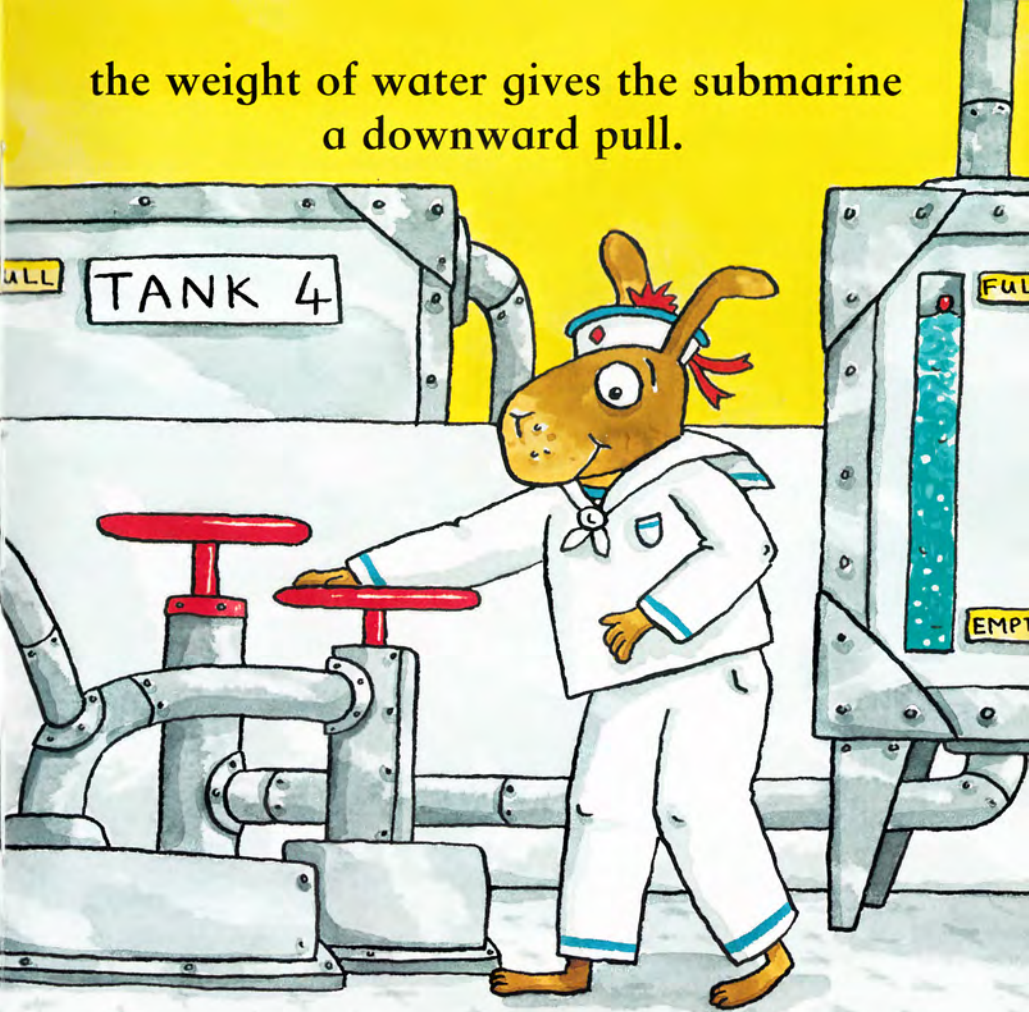
Below the waves is such a strange  
and wondrous place to be.



To travel down it takes in water  
till its tanks are full –



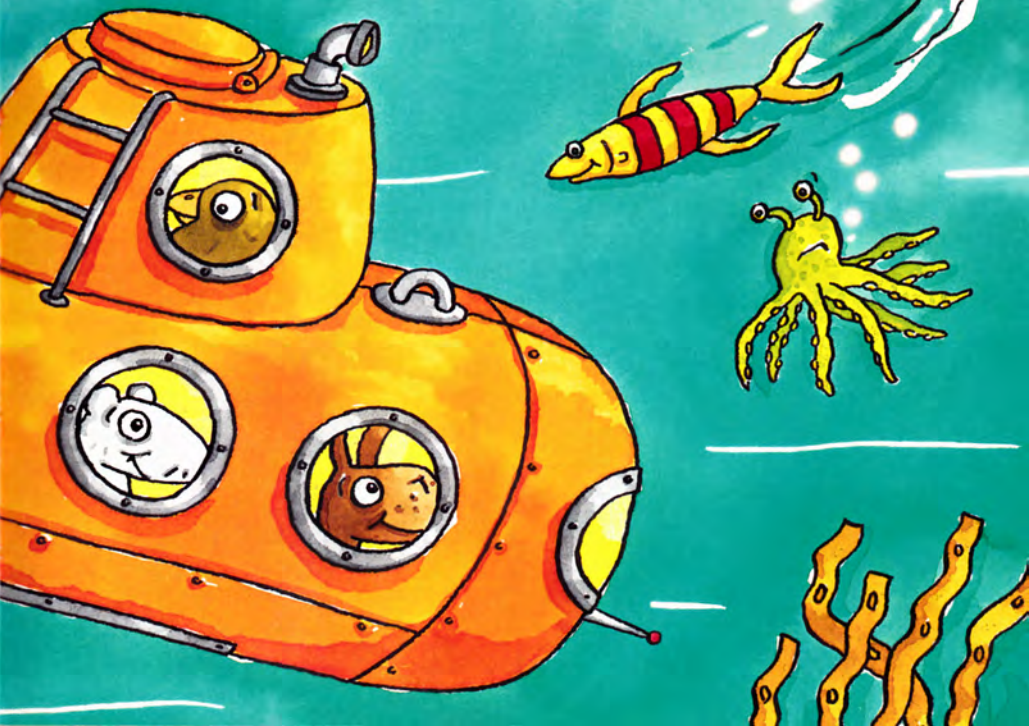
the weight of water gives the submarine  
a downward pull.



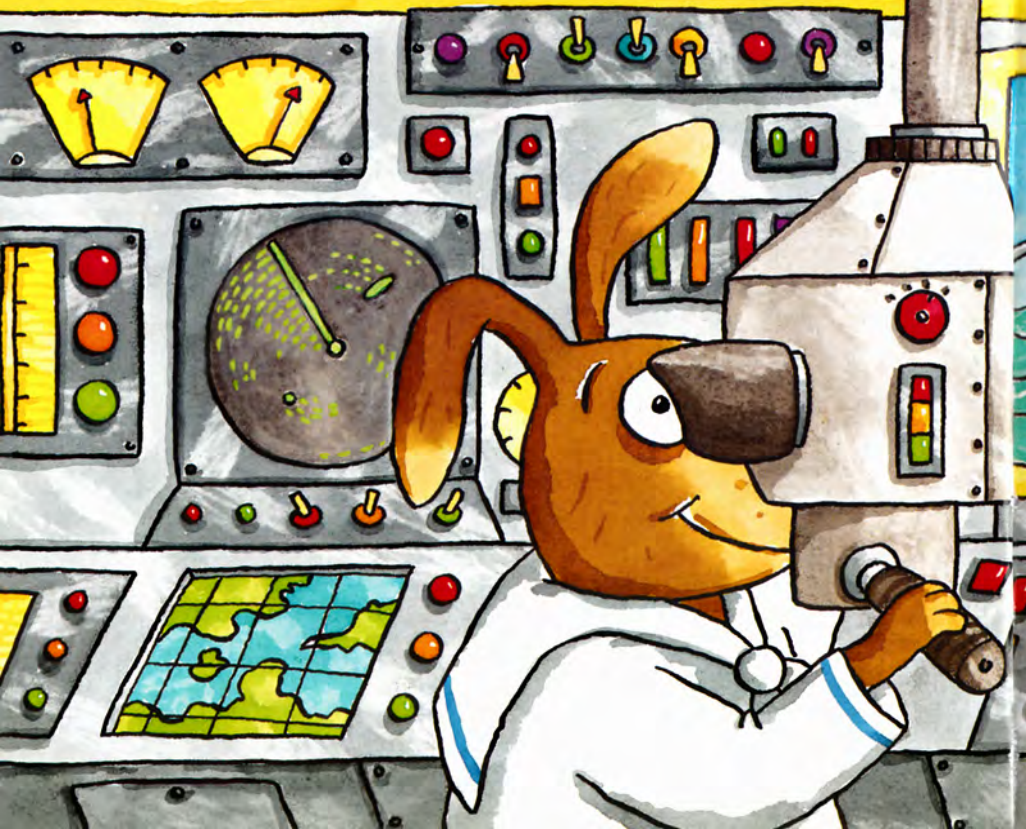
When it's underwater  
the propeller makes it go.  
The hydroplanes can tilt to steer it  
up or down, like so.



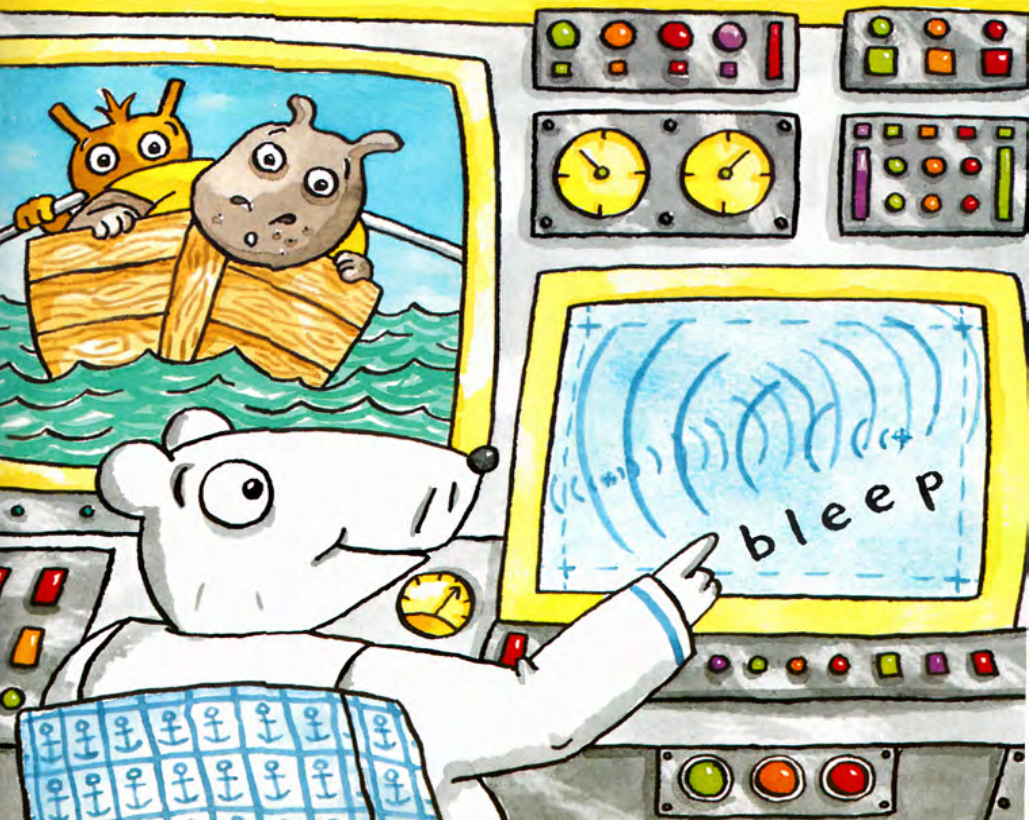
The rudder also steers the sub  
and turns it left or right.  
Computers help to navigate –  
down deep there's not much light.



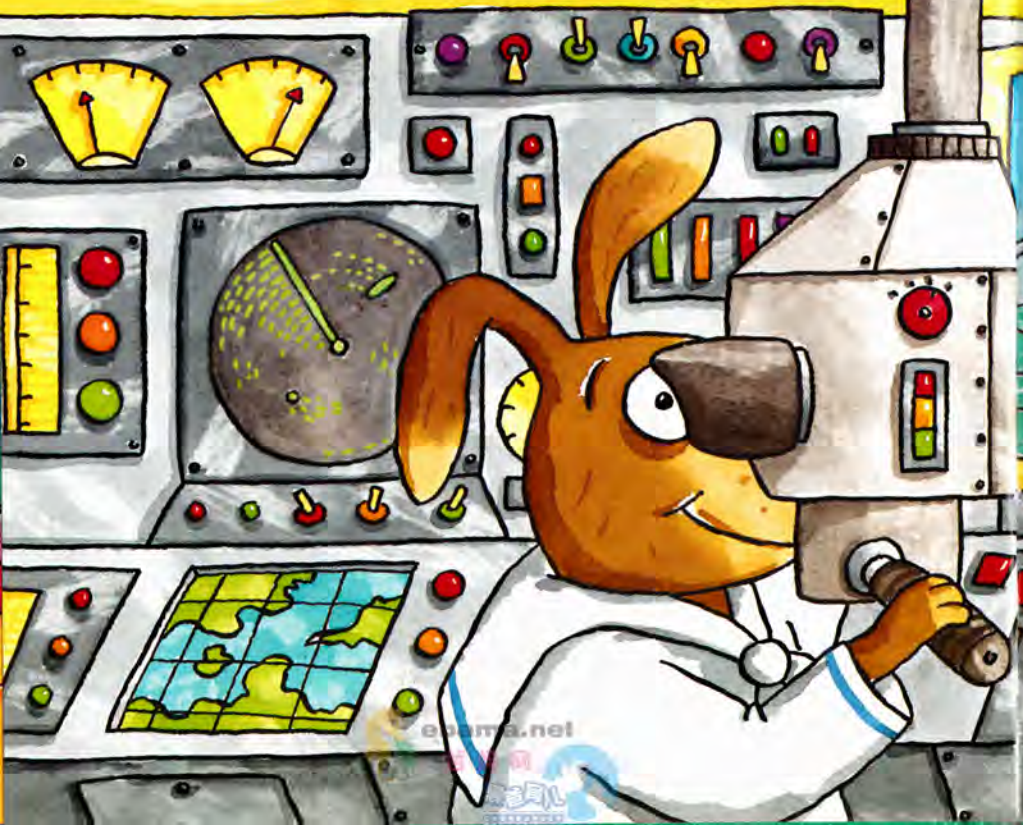
The sonar sends a signal out –  
a special kind of bleep,



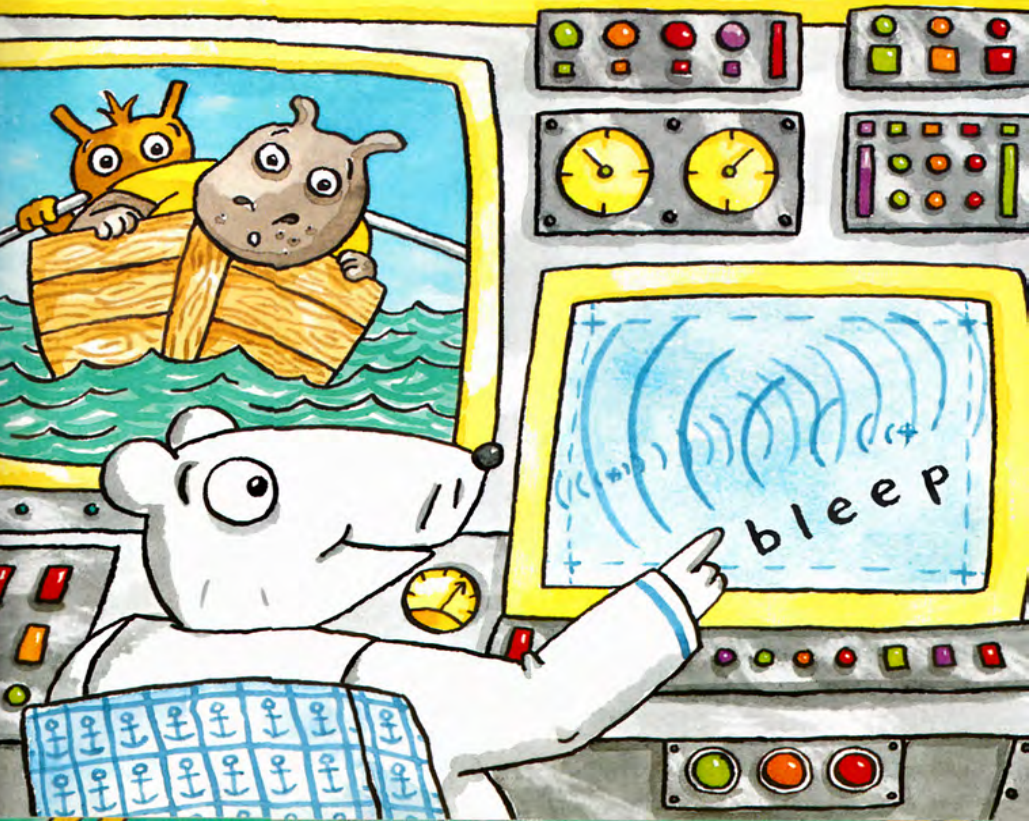
which bounces back to help them guess  
what's out there in the deep.



The sonar sends a signal out –  
a special kind of bleep,



which bounces back to help them guess  
what's out there in the deep.



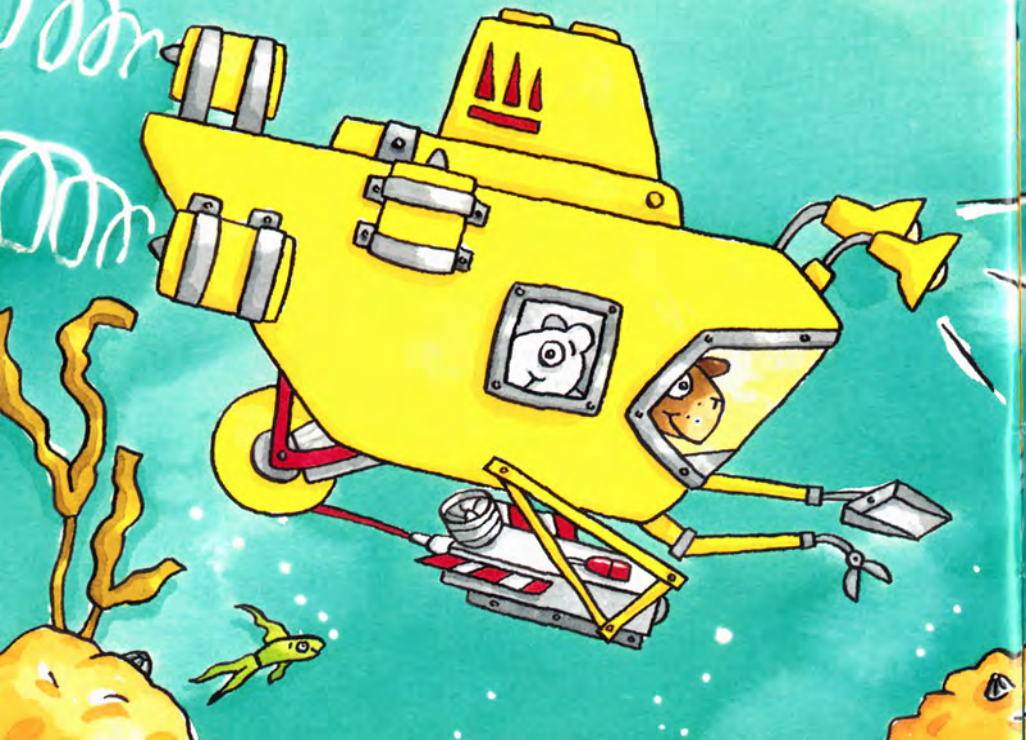
A submarine needs crew  
to keep it running night and day.



The crew need living quarters,  
where they eat and rest and play.



Submersibles are different subs  
that probe the deepest ocean.  
Down that far it's still and dark.  
There's hardly any motion.



But even there submersibles  
discover deep-sea creatures,  
which glow or carry lanterns  
and have very funny features.

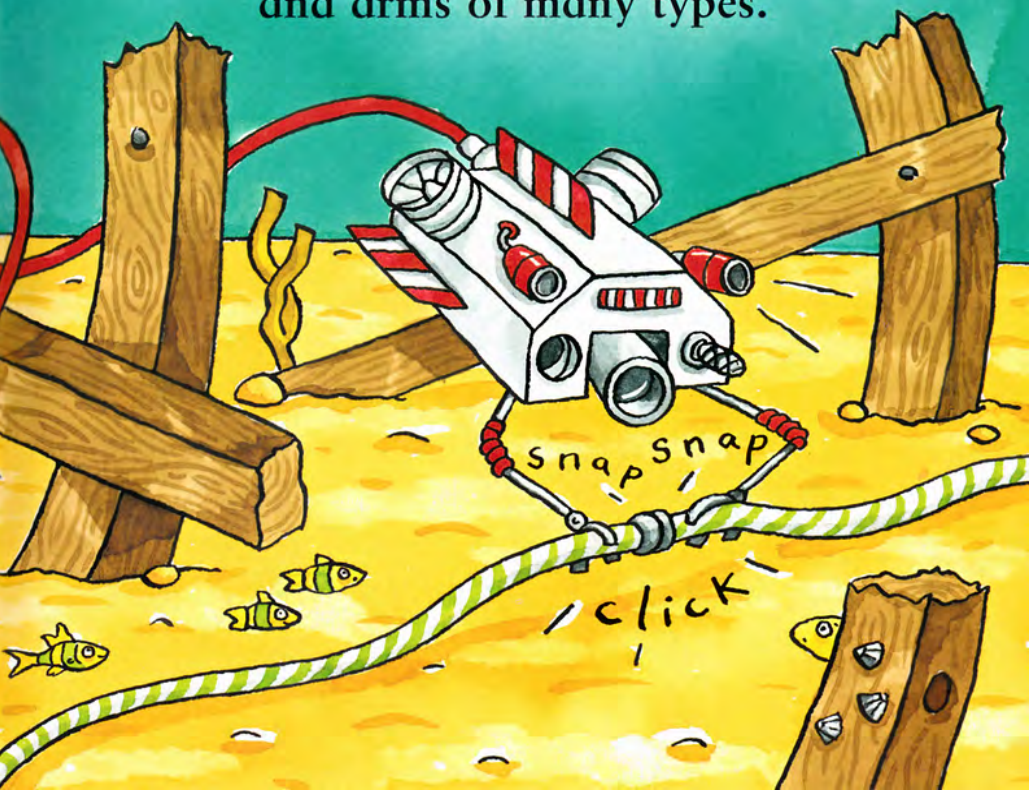


Submersibles are used to rescue  
divers, or explore.

They sometimes salvage sunken wrecks  
upon the ocean floor.



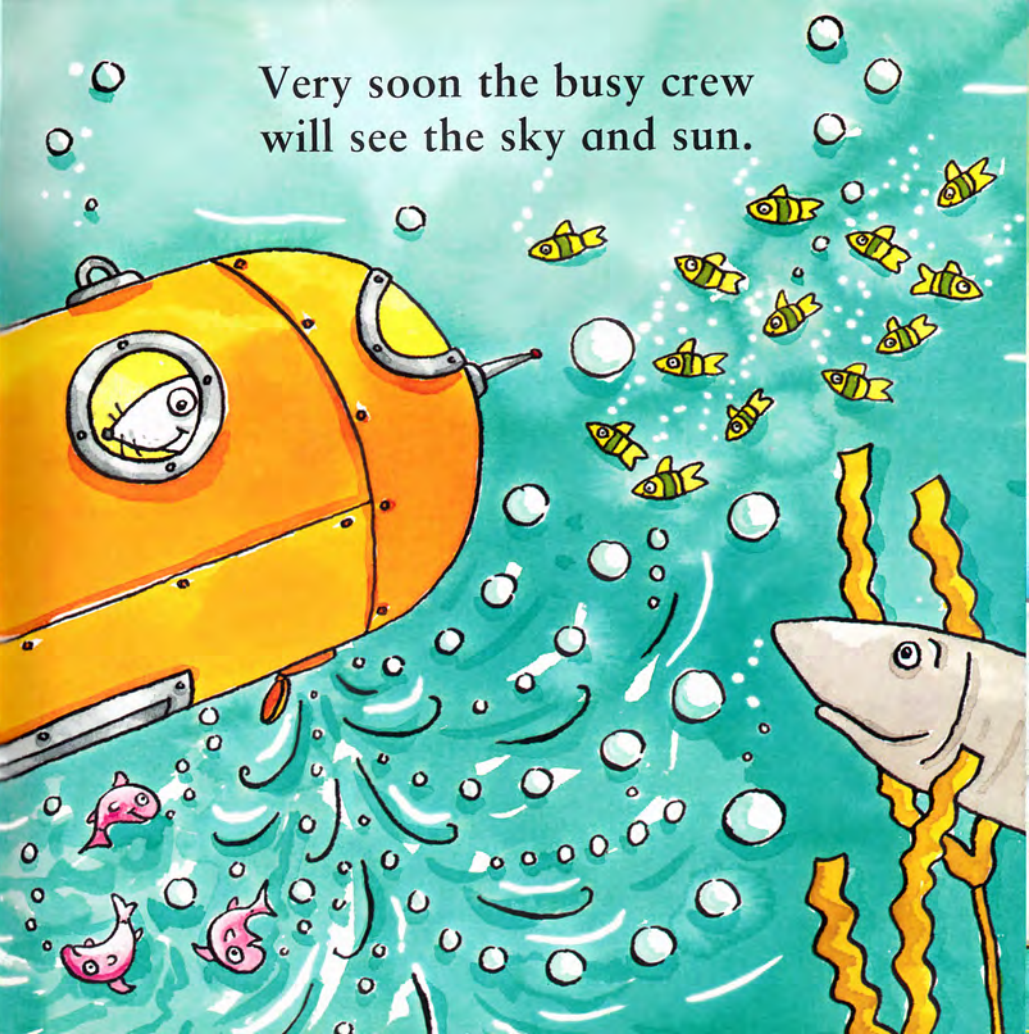
They're used to service oil rigs,  
lay cables and fix pipes.  
Their robot subs have cameras  
and arms of many types.



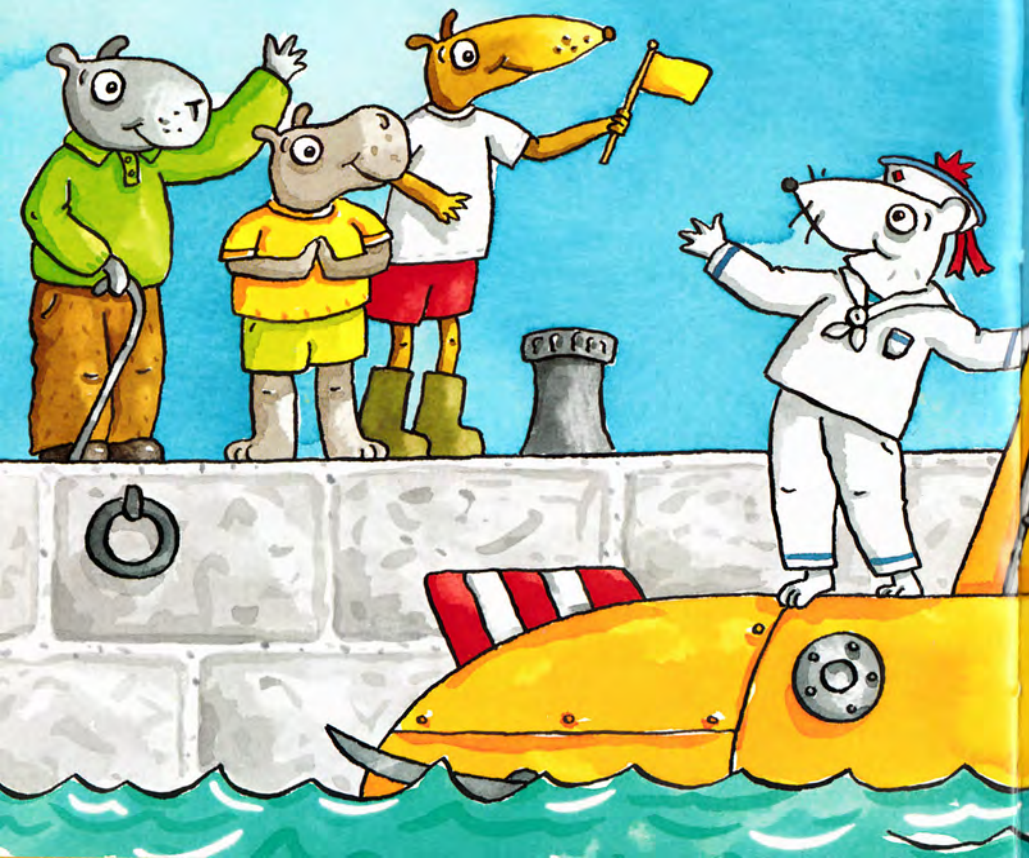
But look! Our sub is rising –  
its work below is done.



Very soon the busy crew  
will see the sky and sun.



Its ballast tanks have emptied –  
they've pushed the water out.



The submarine is back in dock.  
“Hooray!” the sailors shout.



# Submarine bits

hydroplane

this tilts to  
steer the sub  
up or down

periscope

this is used to see  
what is above the  
surface of the water

propeller

this pushes  
the sub through  
the water

rudder

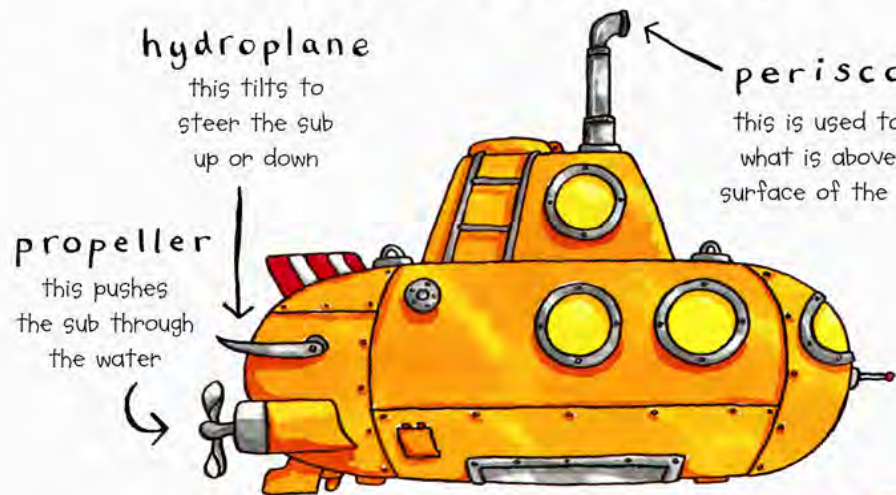
this swivels to steer  
the sub from side to side

submersible

this is a different kind of  
submarine that carries and  
controls the robot sub

robot  
sub

this mini sub can  
reach into small  
and tricky space



A submarine's a kind of boat  
that dives beneath the sea.  
Below the waves is such a strange  
and wondrous place to be.

Dive deep beneath the waves with a crew  
of underwater adventurers in this jolly picture book.

Zippy wordplay, zappy art, plus a picture  
dictionary make learning about submarines fun!

*"Ideal for machine-mad pre-schoolers . . . heaps of child appeal."*

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