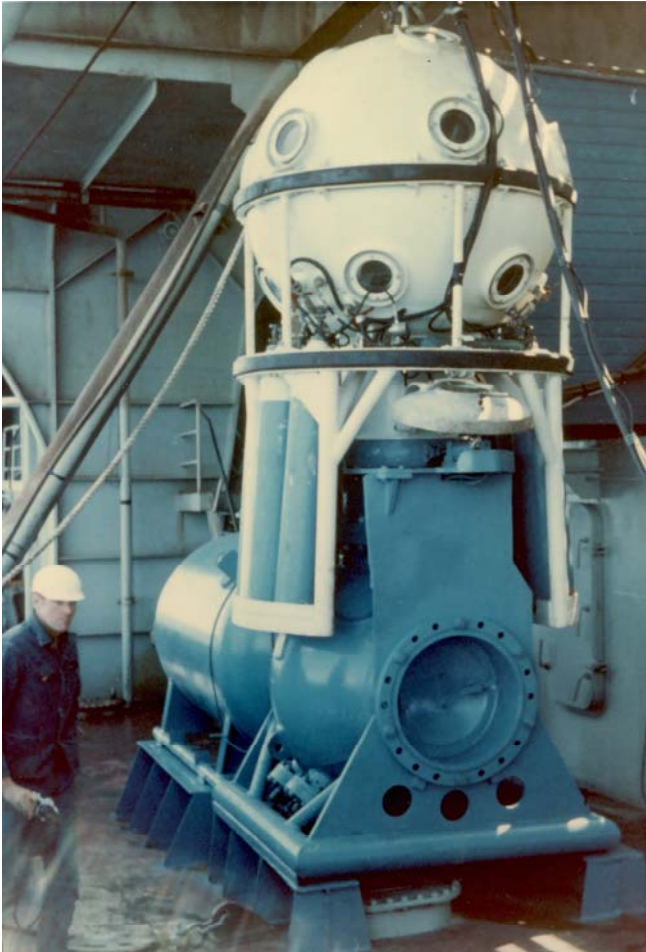


# Summary and Closing Lecture

## The first type bounce diving system in the Norwegian Sector



The only comfort was:

*One bucket*  
*Two towels*  
*Three blankets*

## Deck Decompression Chamber



**No insulation**

**No heating**

**No bunks**

## Decompression, breathing Oxygen



Decompression tables:

No intervals breathing air

20 min. O<sub>2</sub> - 10 min. Air

No O<sub>2</sub> exhaust

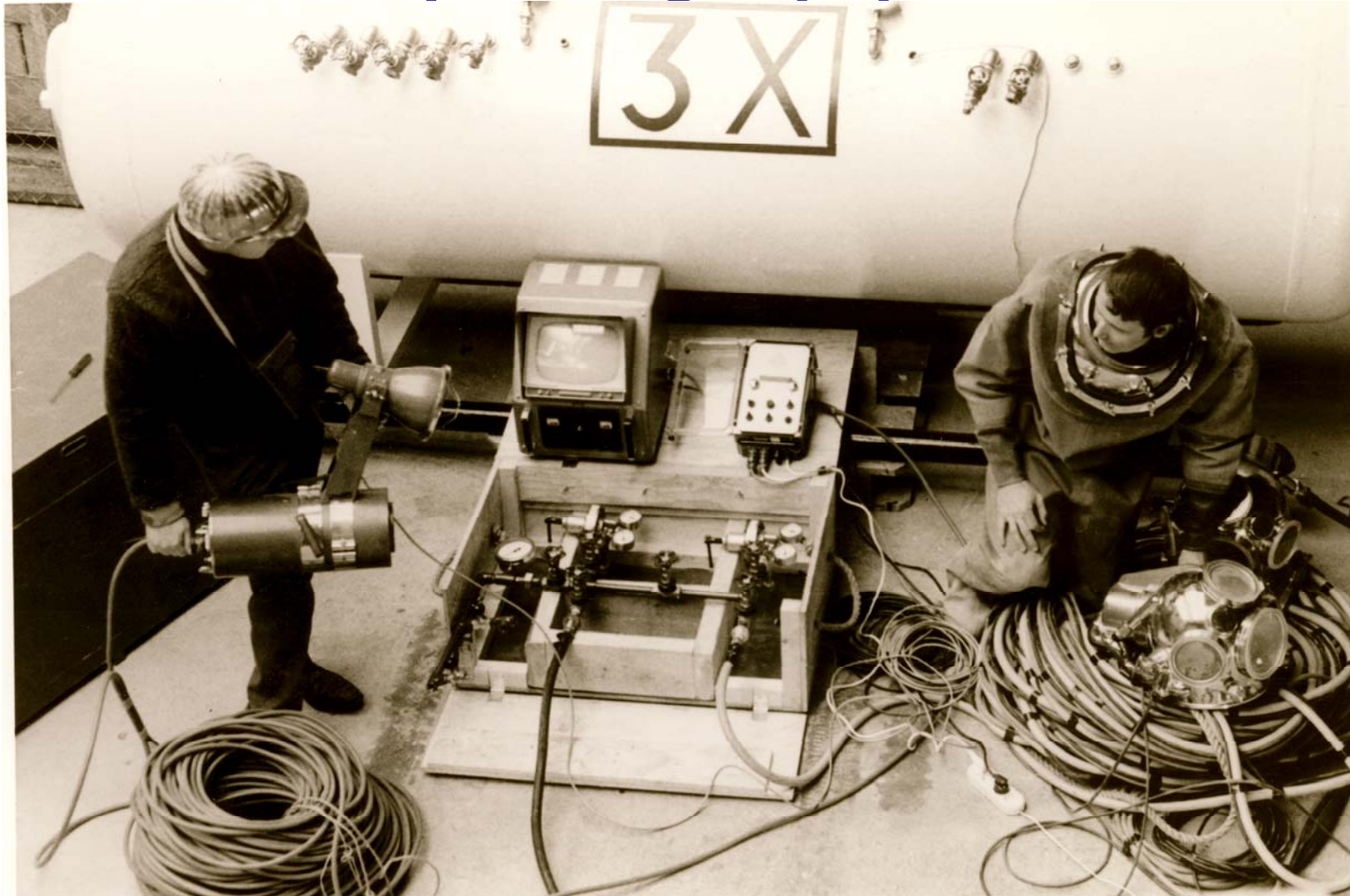
## Dry Suit



Diver's supplied suits

Risk Assessment:  
No bail-out bottle

# The First Norwegian Deep Diving Equipment



# Yokohama Diving Helmet



Robert Kirby developed a mixed gas recirculating helmet in 1964. An absorbent canister and venturi pump system was mounted on the back of the bonnet. Robert Kirby formed a partnership with Bev Morgan in 1965, and they called their products Kirby Morgan.

Helmet dive started with air as breathing gas.

Diver stopped descent at 30 meters depth.

Supervisor switched gas panel to 90% He – 10% O<sub>2</sub>.

Diver flushed umbilical/helmet with mixed gas.

When on gas, diver continued descent.

Dive completed, on decompression, gas switched back to air when passing 60 meters depth.

Decompression in water to 12 meters depth.

Within 5 minutes, diver pulled from 12 meters in water to 12 meters in decompression chamber.

Decompressed to surface, breathing air – oxygen.

## Diving with Gas-Helmets Offshore



Pro:

Consumed less mixed gas.

Consumed one diver only,  
per dive.

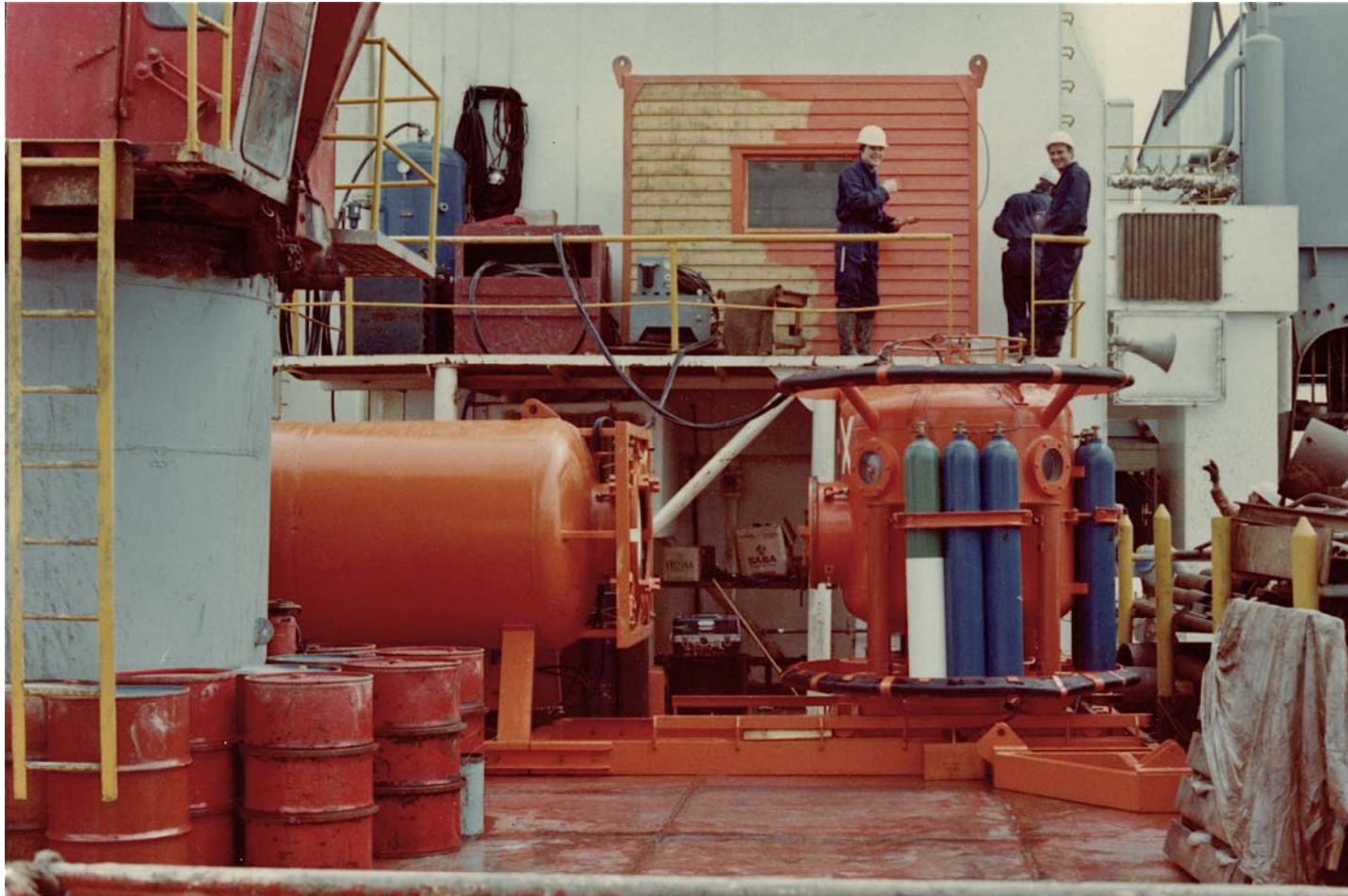
Con:

You are all alone by your  
little self.

# First Norwegian Bell Diving System



# First Norwegian Offshore Diving Contract 1972, Ocean Tide



## Closing of the Diving Seminar 2009

**If you can't do it safely**

**Don't do it at all**

