

Week 13



1

Buoyage



2

Types

- IALA A
 - Europe / Asia / Oceania
- IALA B
 - Americas / Canada / Caribbean / Far East



3

Direction



Chart Symbol

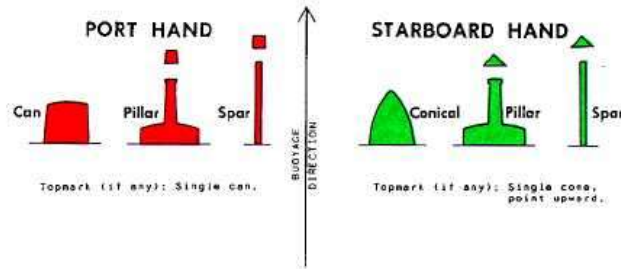
In the UK

– Normally in the direction of the flood tide



4

IALA A – Lateral Marks



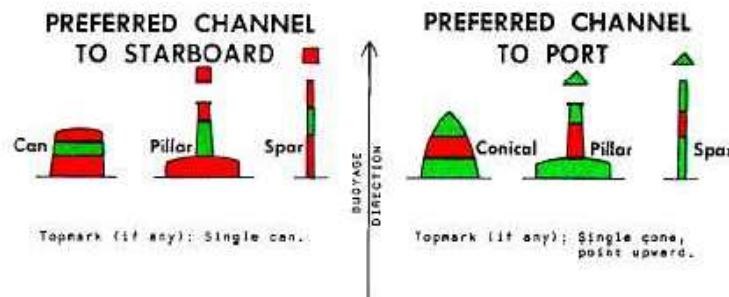
Lights, when fitted, may have any phase characteristic other than that used for preferred channels.

Examples	
	Quick Flashing
	Flashing
	Long Flashing
	Group Flashing



5

IALA A – Lateral Marks

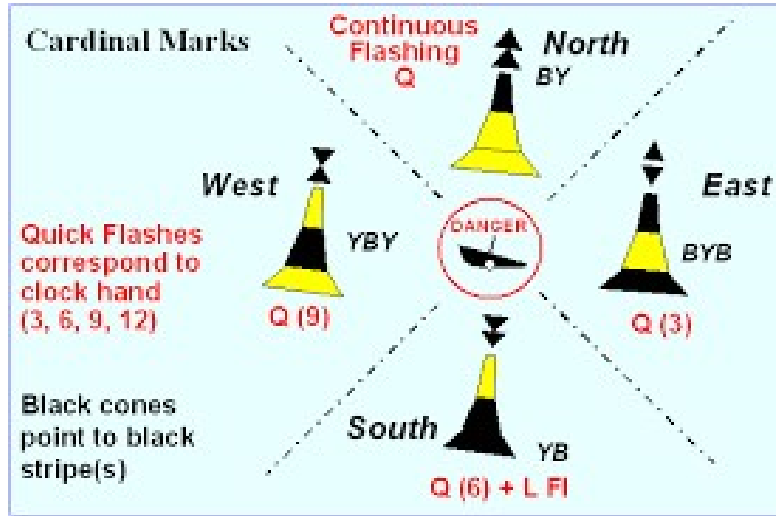


Lights, when fitted, are composite group flashing (2 + 1).



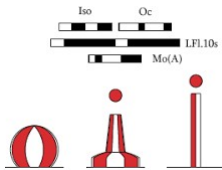
6

IALA A - Cardinal Marks

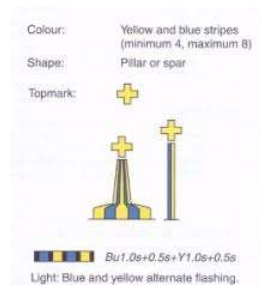


7

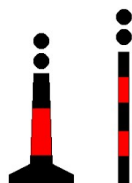
IALA A – Other Marks



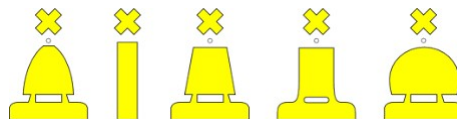
Safe Water



Temporary Wreck Marker



Isolated Danger



Special Marks
Light – Yellow any rhythm

Isolated Danger
Light – FI (2)



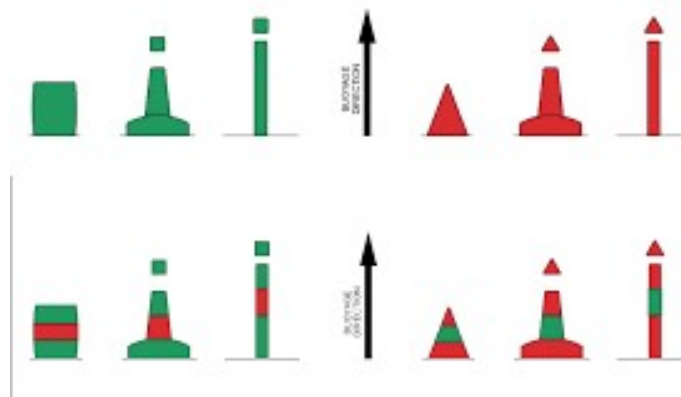
8

Withies – e.g. Beaulieu River



9

IALA B



10

Light Characteristics

- F - Fixed
- Fl G - Flashing Colour
- Fl (3) – Group Flashing
- Oc – Occulting
 - Also Group Occulting
- Iso – Isophase

- Flashing also - Q, VQ, UQ

*See Training
Almanac – Page 8*



11

Coffee



12

Meteorology 1

Terminology and Air Masses



AXE YACHT CLUB



13

Food for Thought!

*“The weather affects our sport like nothing else does.
It can turn a pleasant trip into a battle or vice versa.”*

Chris Tibbs - Introduction to the RYA Weather Handbook



AXE YACHT CLUB



14

Some Basics

- The Sun heats the earth's surface be it land or sea.
- This then heats the air above it.
- Air can carry moisture - the amount depends on the temperature of the air.
- Weather only occurs in the lowest few kilometres of the Atmosphere.



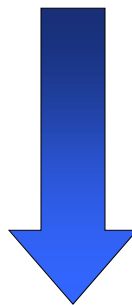
AXE YACHT CLUB



15

Some Basics

Cold Air falls
to produce
HIGH
PRESSURE



Hot Air rises
to produce
LOW
PRESSURE

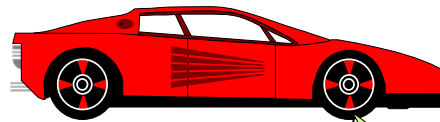


AXE YACHT CLUB



16

Some Basics



Air will try to move from
HIGH to **LOW** pressure.



AXE YACHT CLUB



17

Some Basics

CORIOLIS EFFECT

The spin of the Earth has an effect on the air close to its surface.

Air moving from the poles to the equator will be deflected to the WEST. Air moving from the equator to the poles will be deflected to the EAST.

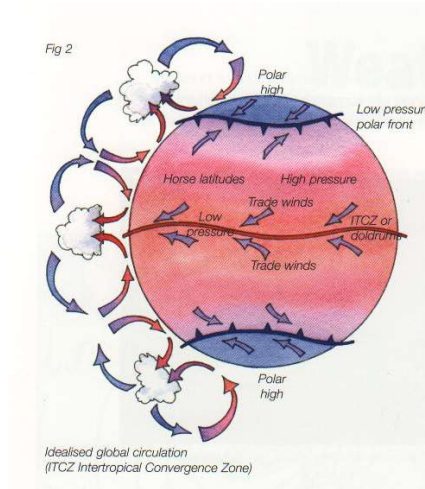


AXE YACHT CLUB



18

Global Weather Patterns



(Diagram taken from Tibbs C: "The RYA Weather Handbook")

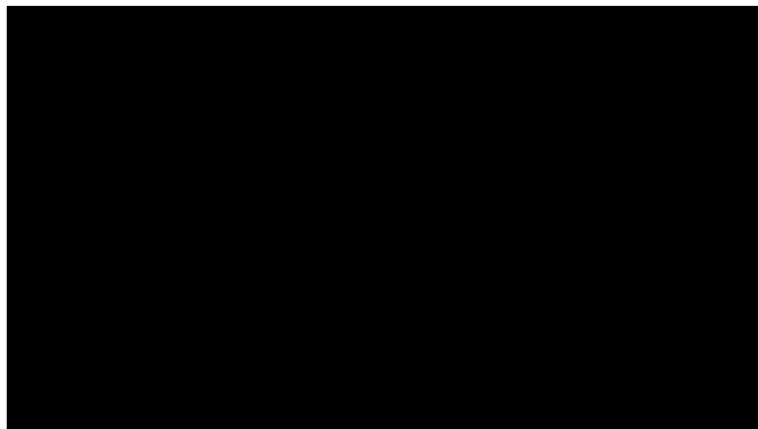


AXE YACHT CLUB



19

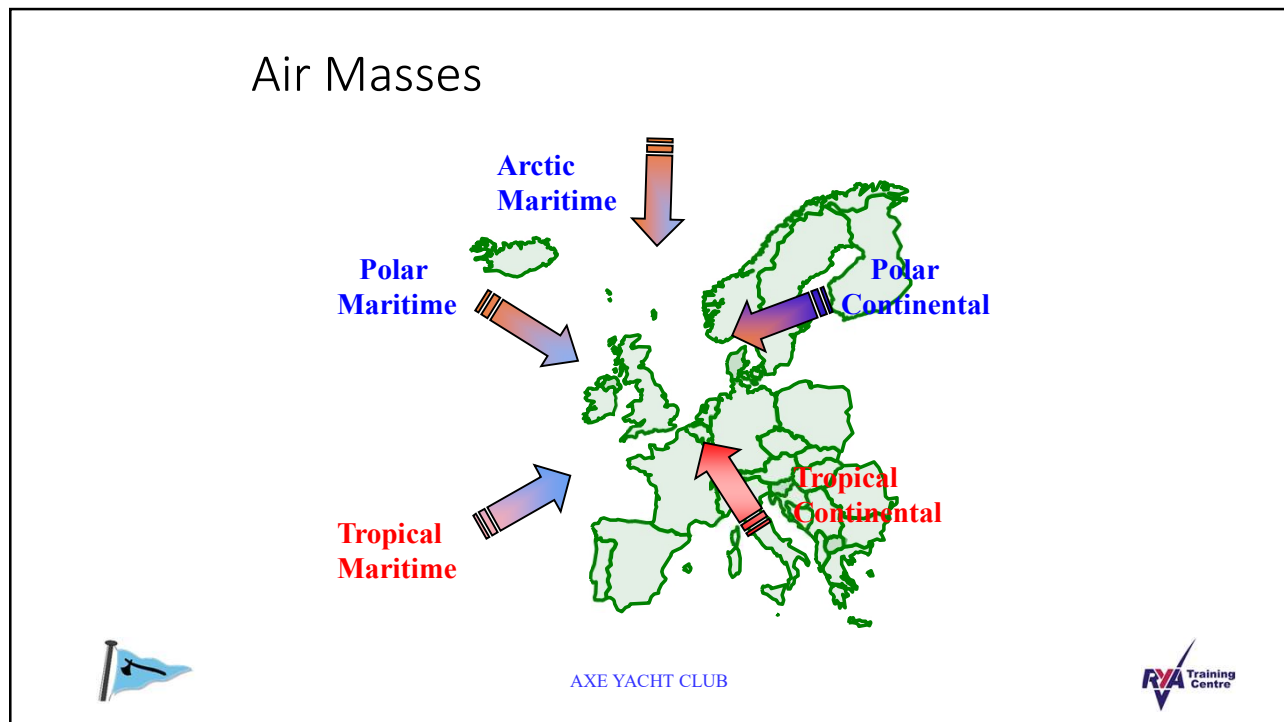
The Jetstream



AXE YACHT CLUB



20



21

Stability

- **Unstable Air**
 - Big vertical movement in the atmosphere giving heaped clouds and gusty conditions.
 - Typical of cold air moving over a warm surface.
- **Stable Air flow**
 - There is little vertical movement in the atmosphere, giving flat layers of cloud.
 - Typical of warm air moving over a cold surface.

AXE YACHT CLUB

RVA Training Centre

22

Terms used in Forecasts

RYA Yachtmaster Shorebased Notes

Page 133

Treat this as essential learning!



AXE YACHT CLUB



23

PILOTAGE

(APPLICATION OF BUOYAGE)



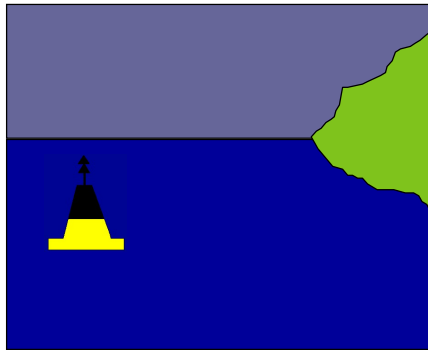
24

In each of the following examples:

- state the types of buoys which are shown in the diagram and,
- imagine that you are the skipper of a 25m motor cruiser and indicate the course that you would follow in each case to avoid the hazards.



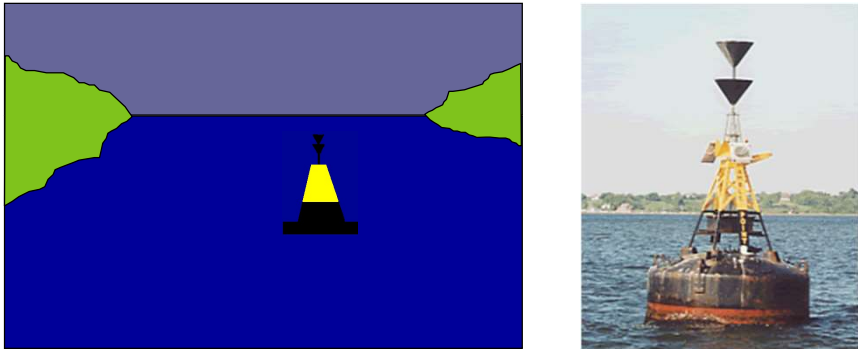
25





Heading = 090 T



26



Heading = 270T




The diagram on the left shows a yellow buoy with a black top and a black cross on top, floating in a blue sea. The background is divided into a green landmass on the left and a grey sky above the sea. To the right is a photograph of a similar buoy on the water, featuring a yellow tower with a black cross and a black funnel on top.

27

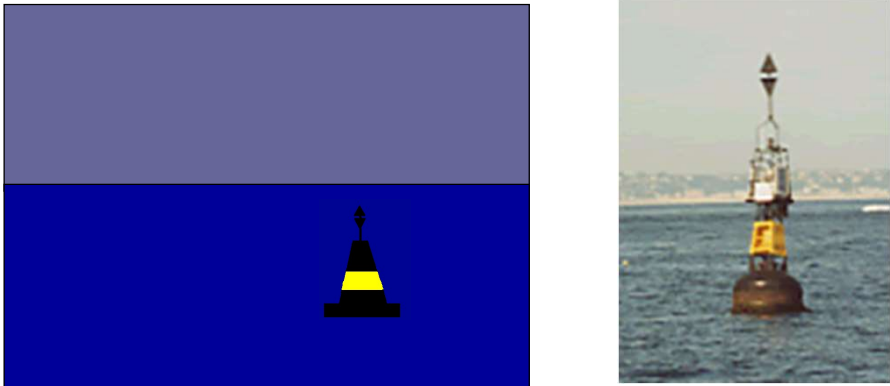


Heading = 025T





The diagram on the left shows a yellow buoy with a black top and a black cross on top, floating in a blue sea. The background is divided into a grey sky above the sea. To the right is a photograph of a similar buoy on the water, featuring a yellow tower with a black cross and a black funnel on top.

28



Heading = 300T



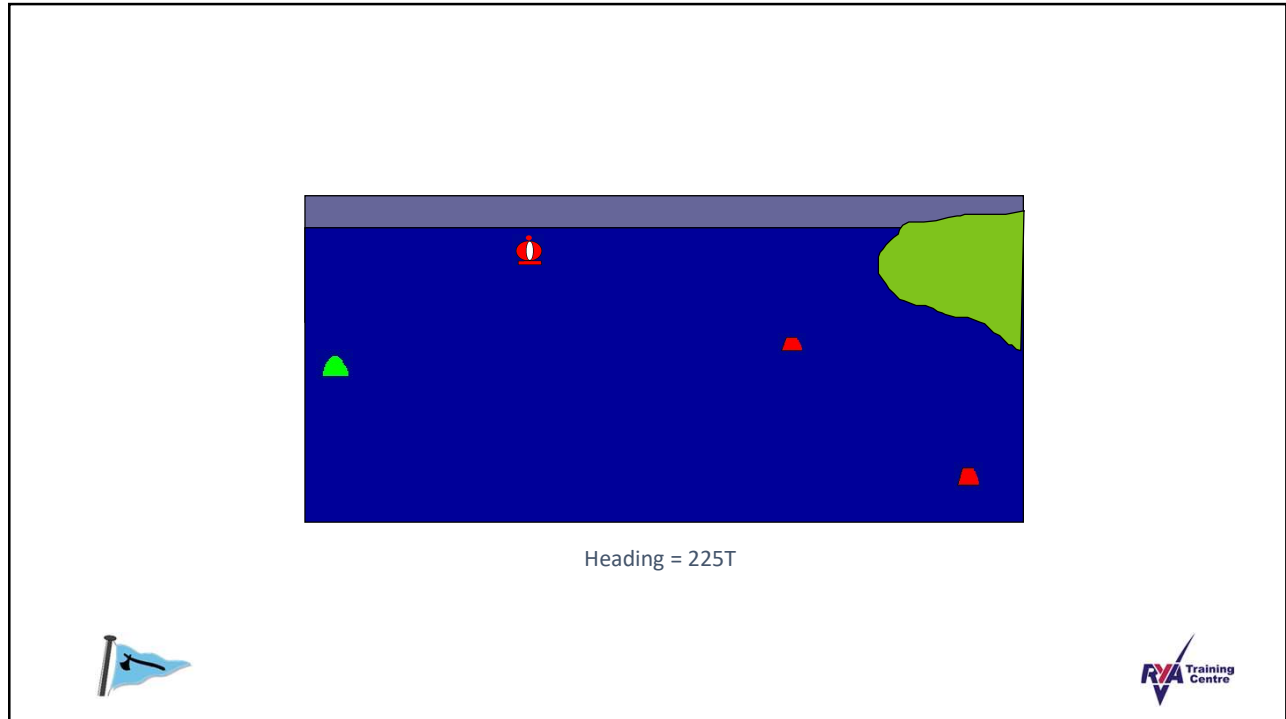
29



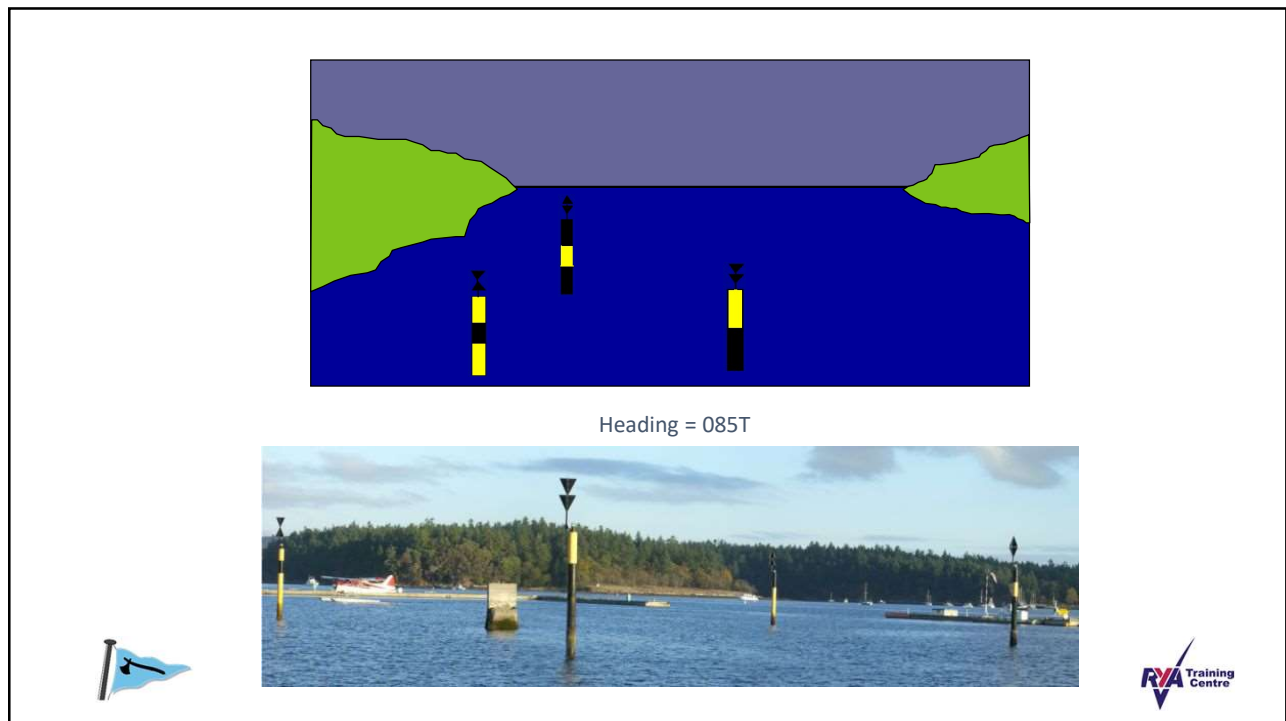
Heading = 325T



30



31



32

ANY QUESTIONS?

