Introduction to Sailing part 2

Sebastian Łopieński

e-mail: Sebastian.Lopienski@cern.ch

YCC, http://cern.ch/yachting

After first outings...

- "Where does the wind come from?"
- "How to slow down/break?"
- Helming
- Trimming sails
- Is it FUN or just too complicated? ☺

Outline

Wind Trimming sails Spinnaker Trapeze work Maneuvres:

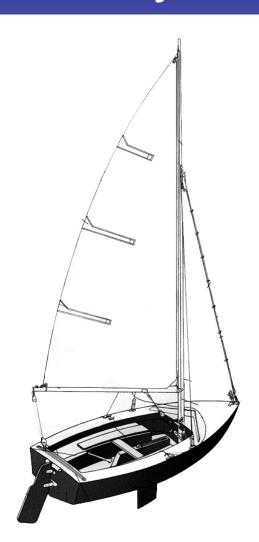
- tacking, gybing
- MOB (man overboard)
- leaving and entering port

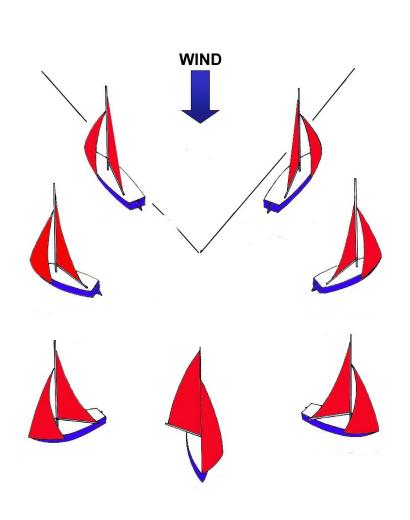
Priority rules





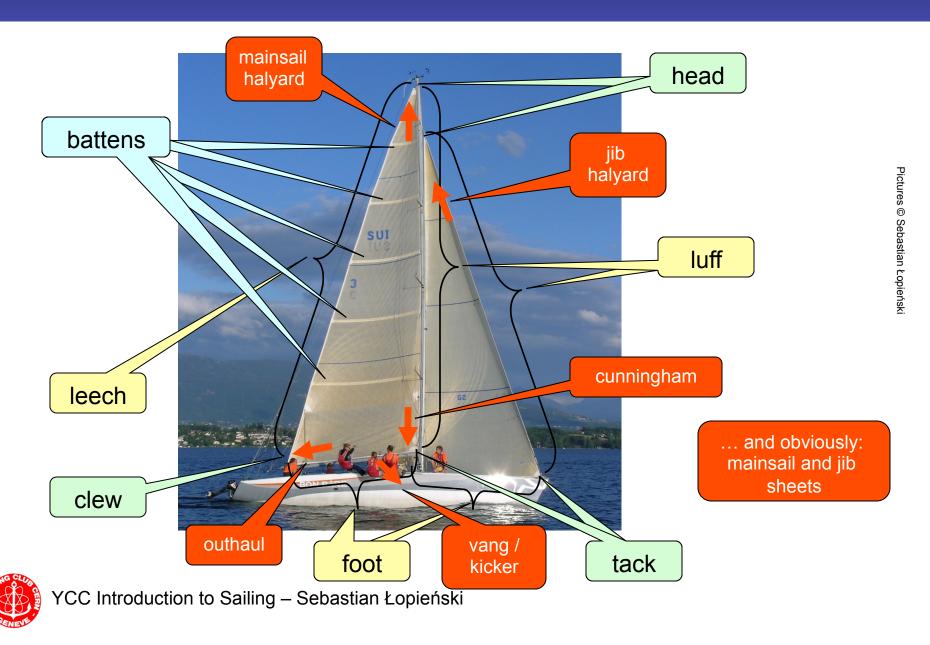
Do you still remember...?





Courtesy of www.easytolearn.net

A sail



Some verbs...

 to hoist a sail and to lower it

(fr. *hisser*) (fr. affaler)

 to trim a sail and to ease it

(fr. border)

(fr. choquer)

 to luff and to fall off (bear away) (fr. abattre)

(fr. *lofer*)

 to tack and to gybe

(fr. virer)

(fr. empanner)



Trimming a sail

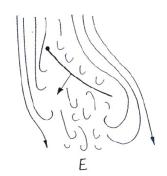












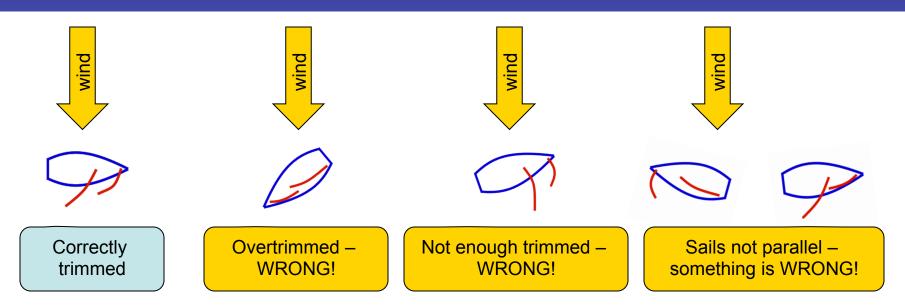
Drawings © YCC

- Sail eased completely flatters and generates no force (A)
- Sail pulled slightly doesn't flatter, but still no force (B)
- When trimmed some more, sail starts to work (C)

OPTIMUM

- More trimming generates air turbulence and lowers the force (D)
- Hard trimming against the wind is highly inefficient (E)

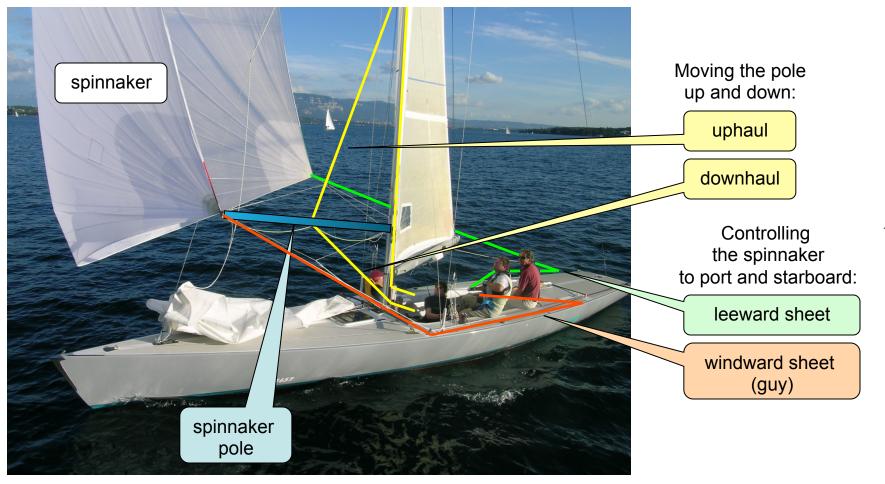
Trimming sails



- A sail should be let out until it stops working, ...and then trimmed a little to make it stop flatter
- Correct sail trim depends on the course, so: Changing your course? → work on your sails!
- Both sails (mainsail and the jib) should be (more or less) parallel

Pictures © Sebastian Łopieński

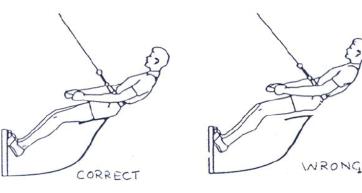
Spinnaker



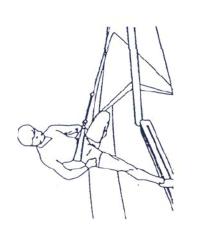
Trapezing

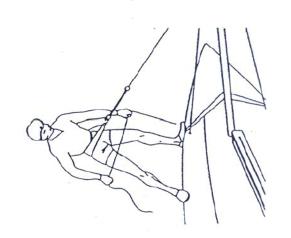
Why? to balance a boat

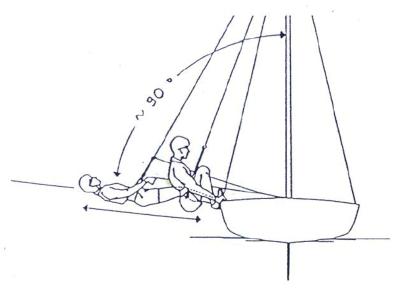
 Crew member on a trapeze has to watch for gusts, waves etc.



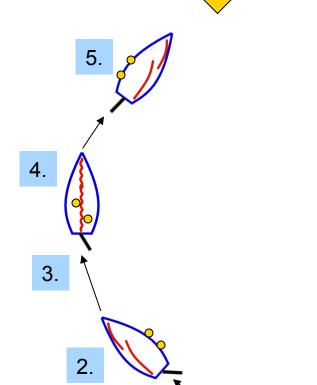
Drawings © YCC







Tacking



helmsman:

- 5. rudder zero
- changing place when passing line of the wind
- 3. "tacking!" / "lee-oh!"

 luffing up more

 (rudder to starboard *)
- 2. "ready to tack?"
- trimming mainsail luffing up to close-hauled course

crew:

- 5. trimming jib on the new side
- changing place when passing line of the wind
- 3. easing jib completely when it stops working
- 2. grabbing other jib sheet *"ready!"*
- 1. trimming jib

wind

Gybing

helmsman:

 easing mainsail falling off to broad-reach course

"ready to gybe?"

3. "gybing!"
falling off (very slowly!)
bringing mainsail to the middle
"watch your head" / "heads
down"

changing place when
 passing line of the wind
 easing mainsail to the other side

crew:

1. easing jib

2. grabbing other jib sheet *"ready!"*

3. continue easing jib

- changing place when passing line of the wind pulling jib to the new side
- 5. trimming jib (loosely!)

Slow rotation!!!
(go almost straight)

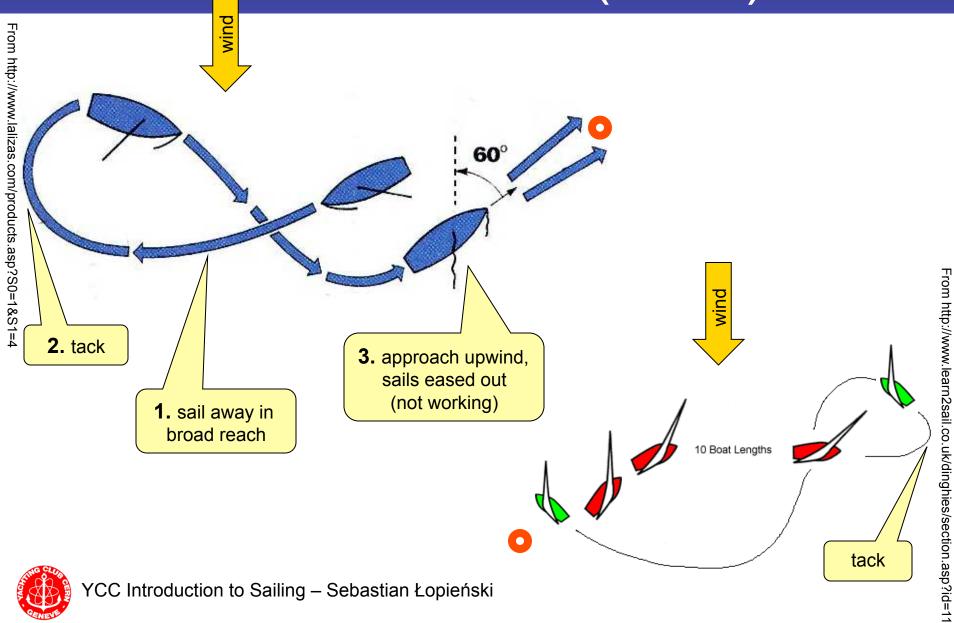
4.

5.

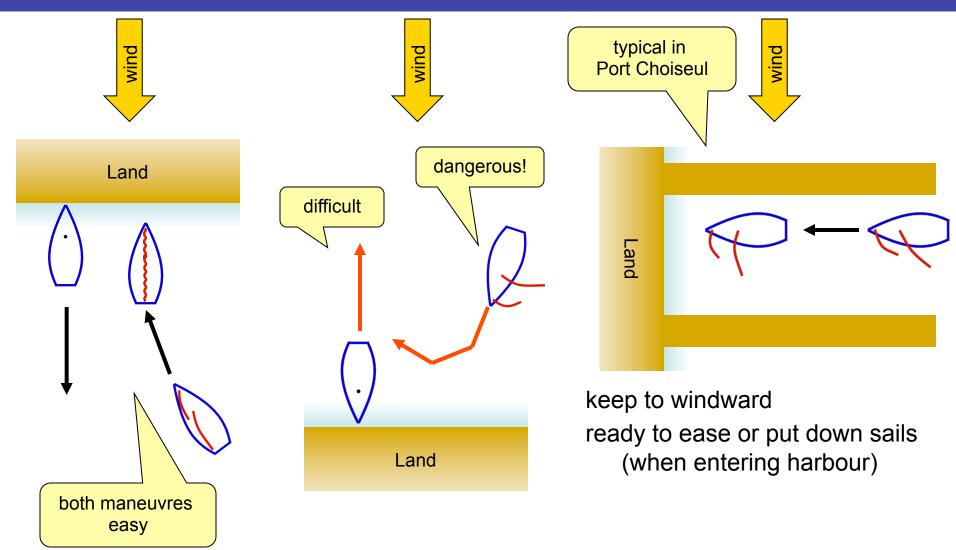
2.



Man overboard (MOB)

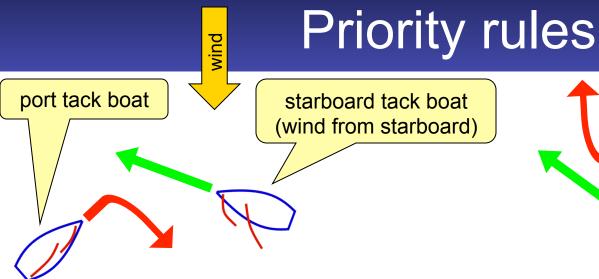


Leaving and entering a harbour





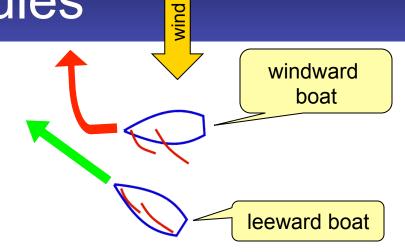
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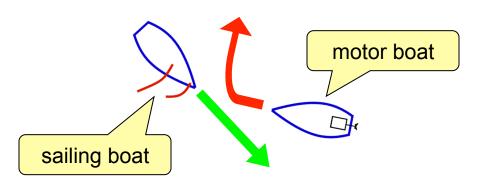
Port tack boat must keep clear of starboard tack boat

boat clear astern (behind another boat)

Boat clear astern must keep clear of slower boat in front



Windward boat must keep clear of boats to leeward



Sailing boat has a priority over motorboats

There are exceptions!!!



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Distance, speed etc.

- 1 nautical mile (nm) is 1852 meters (length of 1 minute of arc on the equator)
- 1 knot (kn) is 1 nautical mile per hour
 (2 knots = 1 m/s)

 (YCC) boats - usually 3 to 5 knots, up to 7-10 knots (could be more for planning dinghies)

Wind – Beaufort scale

0	0-1 knots	0-1 km/h	flat water
1	1-3 knots	2-5 km/h	ripple
2	4-6 knots	6-11 km/h	wavelets
3	7-10 knots	12-19 km/h	large wavelets
4	11-16 knots	19-28 km/h	small waves, white horses
5	17-21 knots	29-38 km/h	long moderate waves, many white horses
6	22-27 knots	39-49 km/h	large breaking waves, white foam
7	28-33 knots	50-61 km/h	lac Leman!
8	34-40 knots	62-74 km/h	ose Winds on Las
9	41-47 knots	75-87 km/h	be sailing in these
10	48-55 knots	88-102 km/h	won't be
11	56-63 knots	103-117 kn Hor	the air is filled with foam and spray
12	64+ knots	118+ km/h	the air is filled with foam and spray



Further reading

YCC Sailing Course for Beginners booklet:

http://cern.ch/yachting/courses/YCCSailingCourse.pdf

Clickable dinghy:

http://cern.ch/wynhoff/Dinghy/

Nautical glossary:

http://www.bunganutlake.org/glossary.htm

Knots:

http://www.ukdivers.net/boats/knots.htm

Take part in YCC activities

- Attend other <u>Theory courses</u>
- Come and sail on <u>Thursday practice evenings</u>
 - meet people, sail on different boats
- Participate in <u>Internal regatta</u>
 - best way to learn sailing, even for complete beginners
- Register to <u>Surveillance boat shifts</u>
 - you'll have to do two shifts before taking a sailing test
- Check the <u>Calendar</u> for other events
 - Newcomers Welcome, Opening Dinner, etc.

The famous Lake Geneva races

- Geneve-Rolle regatta Saturday, early June (200+ boats passing by Versoix around 15-16h)
- <u>Bol d' Or</u> regatta Saturday, mid-June (600+ boats passing by Versoix around 11h-13h)

Thank you

