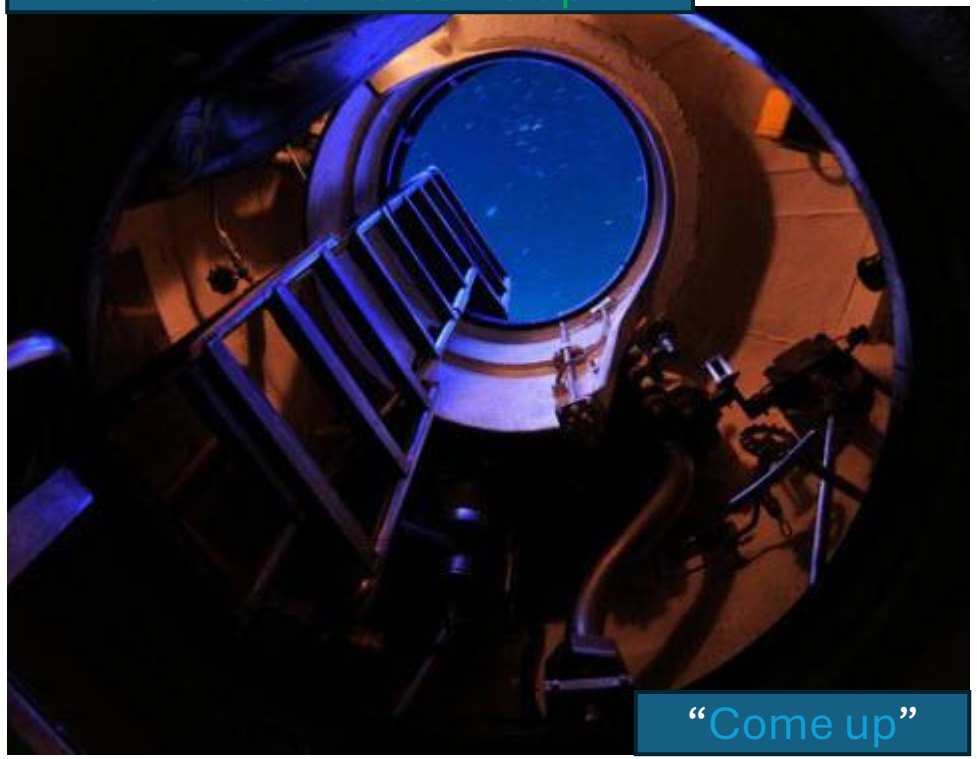
Standing a Bridge Watch

Mid Control Room
Looking Forward

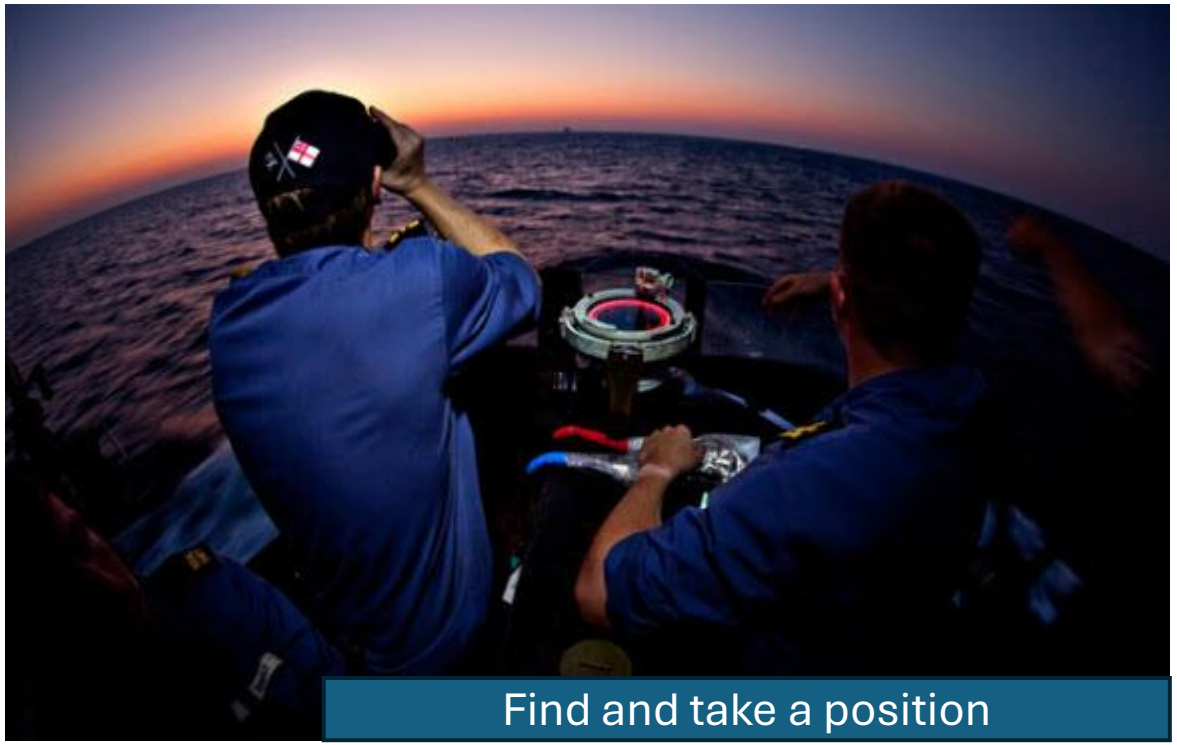
Find the **Officer of the Deck** and request to stand a Bridge Watch.

Bridge Access Ladder
Permission needed for an "**Up Ladder**" ascent.

Mid ascent
"Permission to come up"



"Come up"

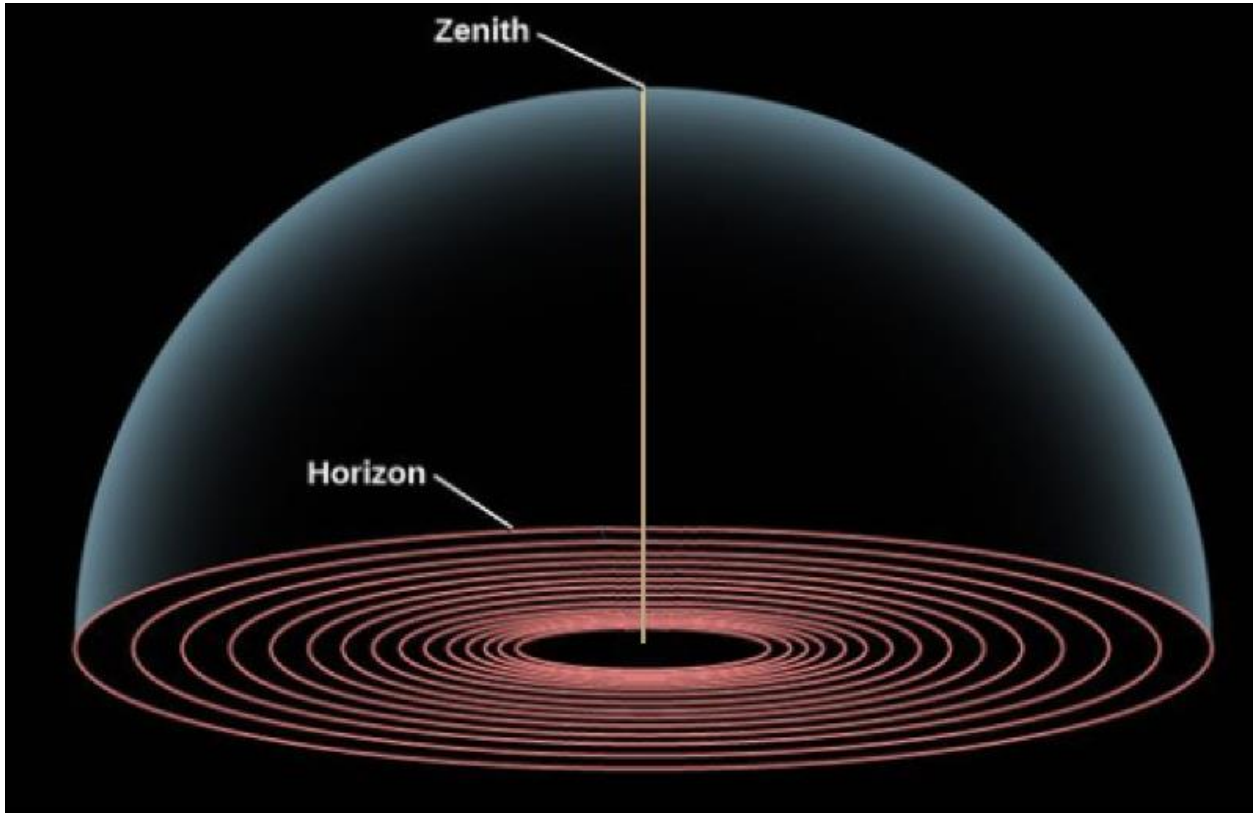


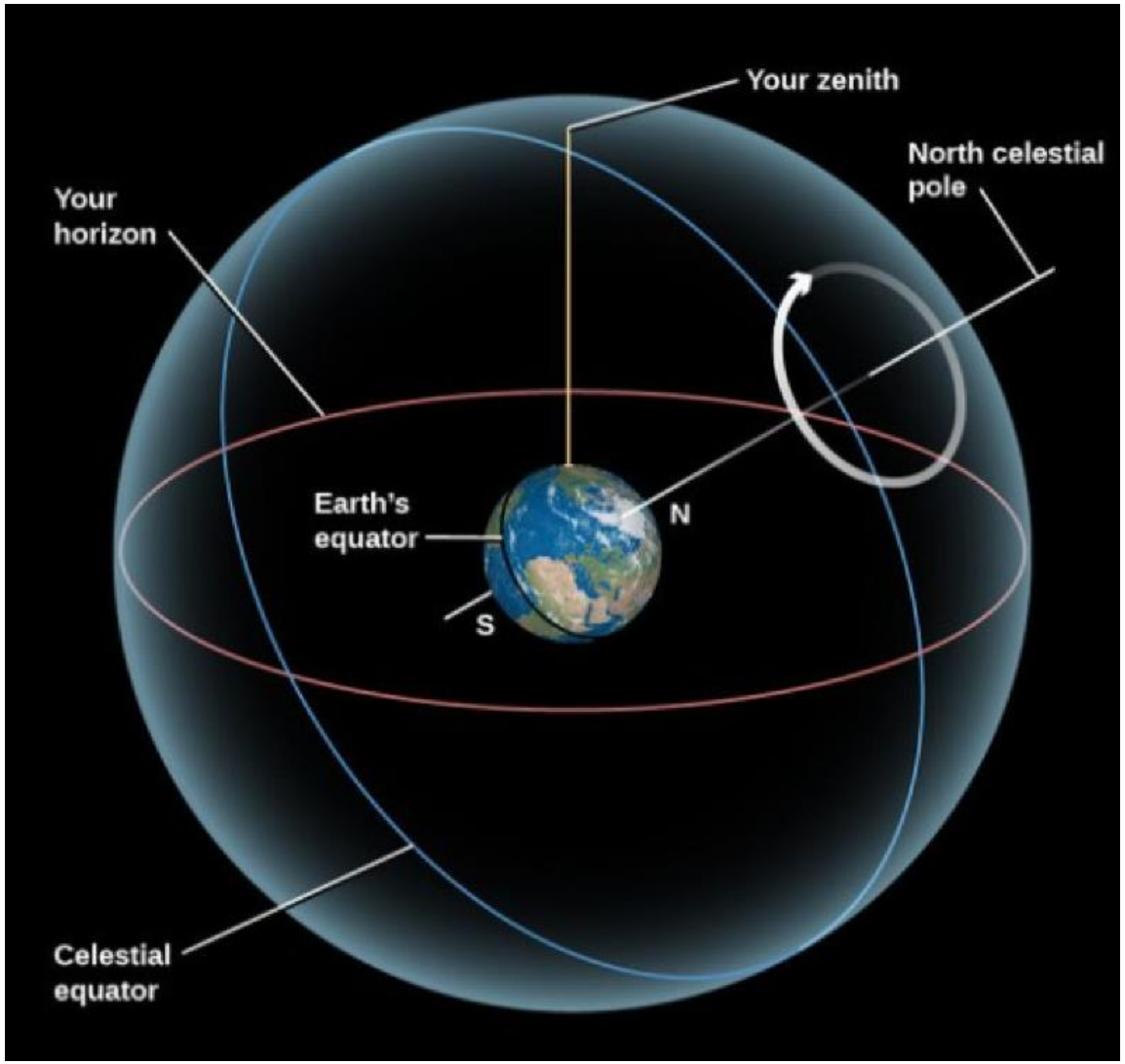
Find and take a position

Bridge Watch

MAX
and
MIN

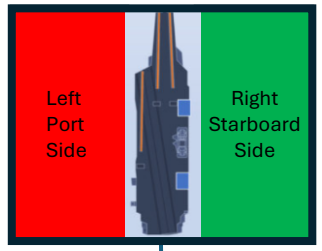
Where you are standing is YOUR Zenith. You are at the center of your universe. The only constraint is the Horizon line on planet earth. Consider the contact of your feet the absolute center of a huge flat disk balanced on the earth.

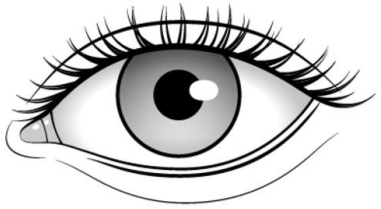


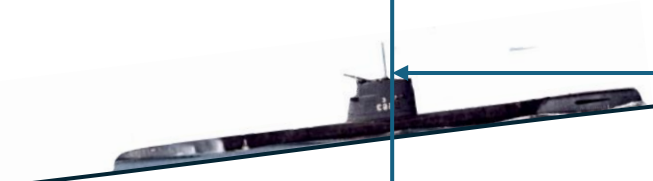


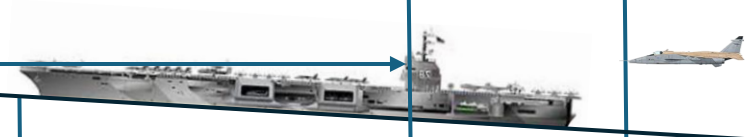
Horizon Line

	A	B	C	D	E
1	Height (ft)	Height (m)	Distance (miles)	Distance (km)	
2	1	0.3	1.31	2.09	
3	2	0.57	1.87	3	
4	3	0.67	2.29	3.68	
5	5	1.52	**2.96**	4.83	
6	6	0.98	3.24	5.21	
7	10	3.05	4.18	6.76	
8	15	4.57	5.12	8.21	
9	20	6.1	5.92	9.5	Surfaced Submarine
10	25	7.62	6.61	10.62	
11	30	9.14	7.25	11.75	
12	40	12.19	8.37	13.52	
13	50	15.24	9.35	15.13	
14	65	19.81	10.25	16.58	
15	70	21.34	11.07	17.86	
16	80	24.38	11.83	18.99	
17	90	27.43	12.25	19.79	
18	100	30.48	12.23	19.63	Freighters
19	150	45.72	16.22	26.07	
20	200	60.96	18.72	30.09	
21	300	91.44	22.91	36.85	Aircraft Carriers
22	400	121.92	26.46	42.65	**Aircraft**
23	500	152.4	29.58	47.64	
24	1000	304.8	32.41	52.14	
25	2000	609.6	59.2	95.27	
26	3000	914.4	72.5	116.68	
27	4000	1219.2	83.7	134.7	
28	5000	1524	93.5	150.47	
29	1 mile	1609	96.1	154.66	

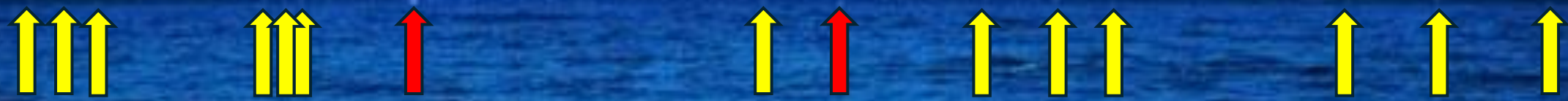








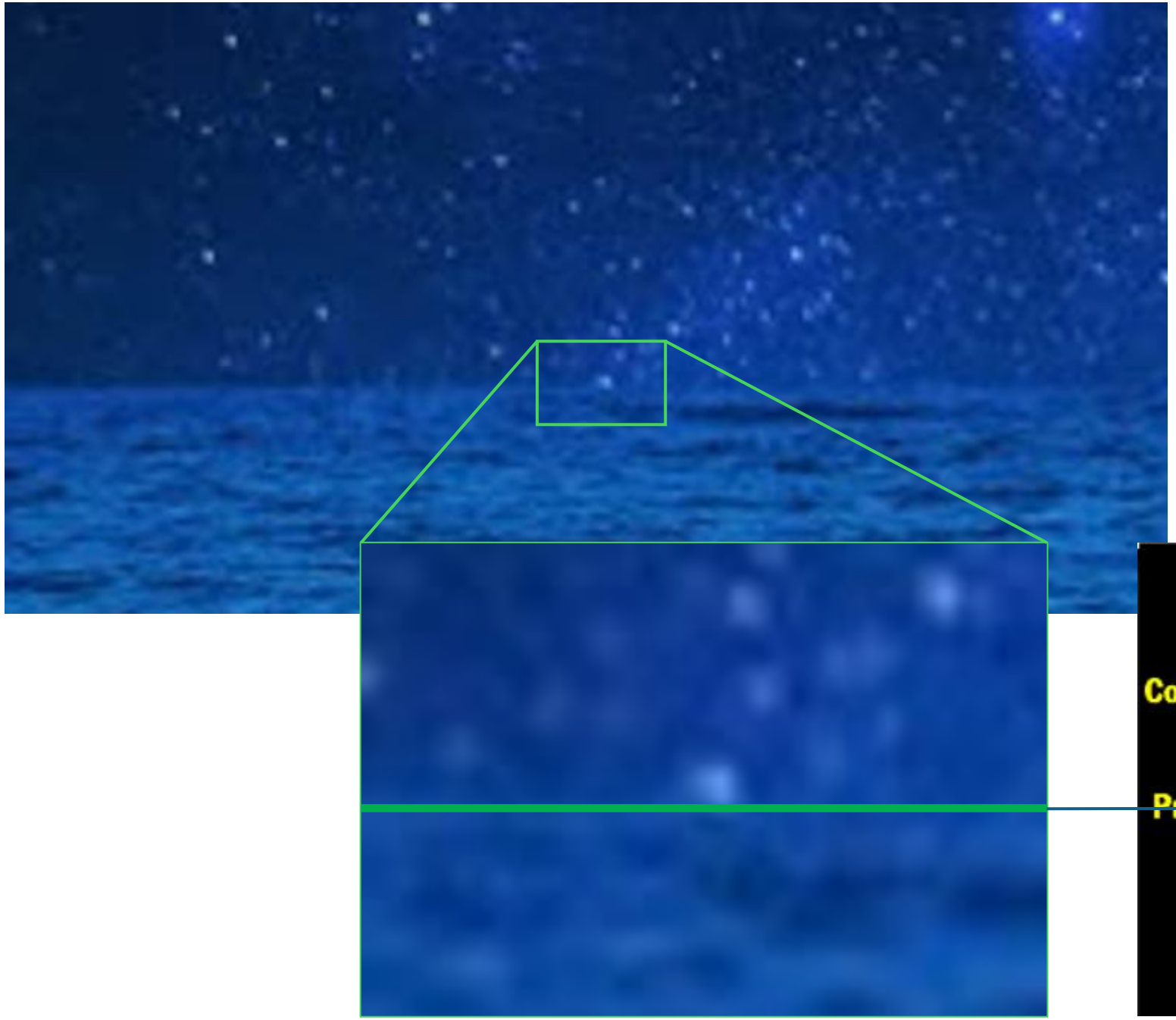
Immediate Attention

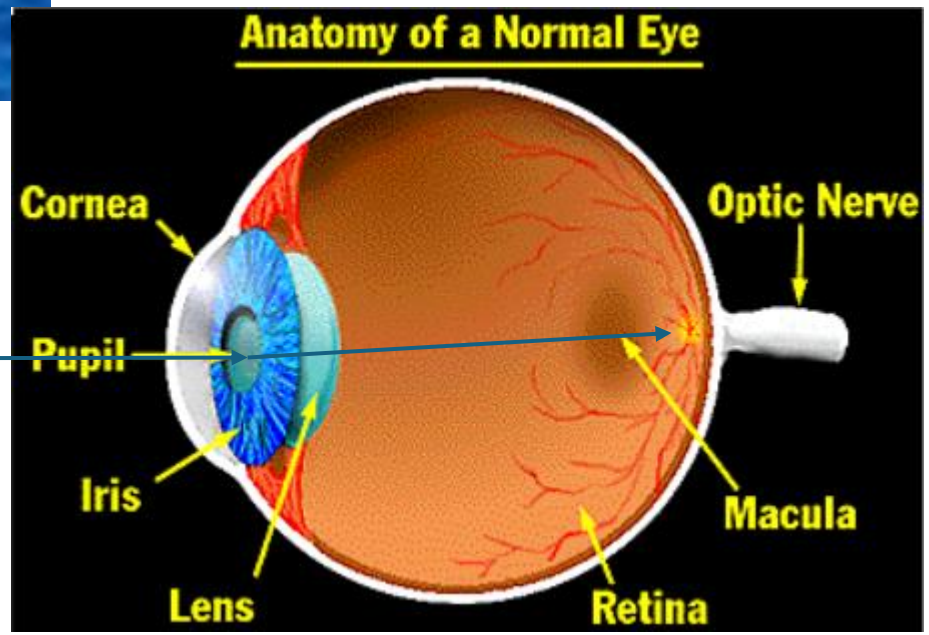


When concentrating on a single point on the horizon line, it is best to concentrate your vision just off the point of interest – by perhaps just a “pixel” or two.

In the human eye the departure of the information sensed by the Retina and in particular the Macula, has a single point where there is no “sensitivity”. In other words a “black hole”. That hole is where the Optic Nerve departs.

Moving your eyes vision off that single point will shift the position of the image being detected by the rods and cones, from that single location, and allow it to be seen.





RELATIVE BEARING