

1 <THE WITNESS WITHDREW

2

3 CAPT McLAUGHLIN: I would like to call CAPT Bairstow.

4

5 <WARREN JAMES BAIRSTOW, sworn: [10.50am]

6

7 <EXAMINATION BY CAPT McLAUGHLIN:

8

9 CAPT McLAUGHLIN: Q. CAPT Bairstow, when did you join
10 the RAN?

11 A. 19 January 1981.

12

13 Q. What was the first step in your training? You
14 completed your normal officer training but what primary
15 qualification did you then commence training for?

16 A. I started life as a seaman officer before progressing
17 to principal warfare officer training and subspecialist
18 training in above-water warfare and gunnery.

19

20 Q. So you completed a Bridge Watch-Keeping Certificate
21 much as LEUT Rivett gave evidence of, along a similar sort
22 of training continuum at the time?

23 A. Yes, sir, it was under a different name, because it
24 was a little bit further ago, but the same basic
25 principles: firstly you are taught how to be an officer;
26 secondly, once you have those officer skills in leadership
27 and management, which is a continuum throughout your
28 career, you start your primary qualification training,
29 which was, in my case, as a seaman officer.

30

31 My course was called EXAC - Executive Officers
32 Application Course - very similar to JWAC, of which a
33 previous witness mentioned, where you go through your
34 primary qualification skills in navigation, bridgeman ship,
35 ship-handling, environmental observations, which are the
36 core skills required of the seaman officer.

37

38 You progress through the formal part of the training
39 in the classroom and on training ships, to go to sea to
40 gain what is known as your ticket, which is your Bridge
41 Watch-Keeping Certificate, which is your formal
42 qualification to represent the Captain and con the ship,
43 which is to drive the ship through the water on behalf of
44 the Captain and keep it safe in day and night, in
45 single-ship steaming or in company. One of the other key
46 skills of a Naval seaman officer, is to operate in concert
47 with other ships, other than just single-ship steaming from

1 point A to point B.

2

3 Q. After qualification, in which ships did you serve as
4 an officer of the watch?

5 A. As an officer of the watch I gained my minor war
6 vessel ticket, my first qualification, in a patrol boat,
7 that was HMAS Gawler in 1984, before progressing to
8 HMAS Swan to get what was then a full Bridge Watch-Keeping
9 Certificate in a major fleet unit, so, basically, driving
10 small and then you progress to the larger classes of ship.

11

12 Q. Did you then serve on other ships in a sea-going
13 manner prior to doing any further training?

14 A. You have a period of what is called consolidation, in
15 which you could go to another ship, so, if you term it, you
16 are newly qualified, you have gained your qualification,
17 but you need to practise those skills to gain the requisite
18 experience. I did my consolidation training in the ship on
19 which I got my major fleet unit qualification, my ticket,
20 which was Swan, and then also went to Tobruk, a different
21 class of ship, to further my officer of the watch time, and
22 also one of my other duties there was as the gunnery
23 officer, so my primary qualification was an officer of the
24 watch and I had departmental duties as the gunnery officer
25 of that ship.

26

27 Q. After some time at sea did you go into any further,
28 more specialised training or more advanced training from a
29 seaman perspective?

30 A. On completion of my seaman officer training,
31 experience at sea and consolidation training and
32 watch-keeping experience, I progressed to principal warfare
33 officer training at HMAS Watson. I commenced that in 1991.

34

35 Q. How long is the principal warfare officer training
36 process?

37 A. It has varied over the years, but in my case it was a
38 year-long course, phase 1, which was principal warfare
39 officer core skills, and then you did a second phase which
40 was subspecialist, which, in my case, was gunnery and
41 above-water warfare.

42

43 Q. Subsequent to this, where did you then post?

44 A. On completion of being qualified as a Principal
45 Warfare Officer (Gunnery), PWOG, I progressed to my warfare
46 billets at sea in two ships which have now recently left
47 the RAN, HMAS Adelaide and HMAS Canberra, and progressed

1 through there as the gunnery officer. On board those
2 ships, the role, whilst on watch, was AWO, Above-Water
3 Warfare Officer, and also after time and experience, I took
4 up the role as Operations Officer, which is normally given
5 to the senior PWO - not always in rank but in experience -
6 and then, during that time, I honed my skills as a
7 single-ship PWO and also as a task group warfare officer
8 PWO responsible for the fighting and direction of the
9 individual ship and also a group of ships in a task group
10 on behalf of the Captain.

11
12 Q. On completion of your PWO time, what was your next
13 series of training and what was your next sea billet after
14 that?

15 A. After completing my PWO billets at sea and my
16 experience, I then went ashore and went to HMAS Watson as
17 one of the instructors in the Principal Warfare Officer
18 faculty and progressed through there as the gunnery
19 instructor to the gunnery instructor directing staff and
20 then also to Officer in Charge of the PWO faculty
21 responsible for the delivery of principal warfare officer
22 training in the RAN.

23
24 Following that time, I was selected for command of the
25 Fremantle class patrol boat, HMAS Gladstone, of which
26 I took command in mid to early 1999, and I finished my
27 command of that patrol boat, which was based in Cairns,
28 towards the end of 2000.

29
30 Q. Is there any specific training that you do before
31 taking up command of a minor war vessel such as Gladstone?

32 A. Before taking up a command of a minor war vessel and,
33 in fact, a major fleet unit, you do what is called a CO -
34 commanding officer - designate course, where you go
35 through, from a commanding officer's perspective, the
36 personnel and management regime for which you are
37 accountable for your command. You also go through an
38 update of the issues affecting operations and personnel
39 from a Navy Headquarters perspective and a Fleet
40 Headquarters perspective, and, importantly, you also go
41 through and do a command navigation course, which is a
42 level of supervision and a command aspect to navigation,
43 which is built on your officer of the watch experience.

44
45 Q. Following your time in command of a patrol boat and
46 command of HMAS Gladstone, you spent some time ashore.
47 What was your next sea billet after that?

1 A. My next sea billet after Australian Command and Staff
2 Course, staff course training and HMAS Cerberus, where
3 I was XO, I was selected for a major fleet unit command.
4 I took command of HMAS Arunta based in Western Australia in
5 Fleet Base West and took command in July 2004.

6

7 Q. She is a WA-based major fleet unit?

8 A. Yes.

9

10 Q. During your time in command, what type of operations,
11 exercises did you conduct and whereabouts, in what sort of
12 waters did you conduct them?

13 A. The full experience of the waterways of the world
14 I was lucky enough to experience. Obviously, being a Fleet
15 Base West unit, I did a lot of work in and off the Western
16 Australian coast, a very large amount of work up in the
17 northern approaches around Christmas Island, in South East
18 Asia, the waters around Japan, the South China Sea and up
19 to Vladivostok, and the waters in between on the way back.
20 So I was quite lucky to get a broad experience of the
21 environmental and the sea aspects in the world.

22

23 Q. On completion of your time in command of a major fleet
24 unit, what was your next posting?

25 A. My next posting was as the Commander, Minor War Vessel
26 Sea Training Group. That is where you are in charge of
27 what is called Sea Training Group and our role is to
28 conduct collective training, which is the training of the
29 ship's crew as small teams but as a whole crew of that
30 ship. Rather than like individual training which is done
31 in the classroom, we did our collective sea training at sea
32 and assessed and helped train the ship to high levels of
33 performance to take their platform to conduct operations as
34 directed by government.

35

36 Q. In your role as commander of the Sea Training Group,
37 what were your specific or primary tasks? I understand you
38 had staff to do certain things, gunnery and navigation;
39 what was your main focus upon?

40 A. My main focus was upon the command team and the
41 command interaction. Firstly, to achieve the mission or
42 the aim of a certain activity, but how that command team
43 interacts with the environment around them, with other
44 ships around them and what actual mission they have been
45 tasked to do.

46

47 Also, it is to make sure that the whole training

1 activity achieves its aim, which is to prepare that patrol
2 boat for its mission, to be able to conduct training of
3 itself but also to be able to conduct whatever operations
4 or activities Fleet Headquarters or the Government directs.
5

6 Q. Finally, to conclude on this component, what is your
7 current posting?

8 A. My current posting is Deputy COMFLOT and
9 Commander Australian Surface Task Group. The position in
10 Fleet Headquarters is a tactical warfare commander, as a
11 Captain that can be deployed or go to sea to take charge of
12 a major activity or a task group of ships as staff.
13

14 Q. I want now to move to the weather effects and command
15 decision-making. You have heard the evidence of the
16 meteorologist, LEUT Rivett. To make some weather
17 assumptions, for the purposes of giving your evidence we
18 will assume that the weather conditions are as explained by
19 LEUT Rivett, and I will prompt you with those in a moment
20 so that you can draw up your template and the like.
21

22 We will also make some relative position assumptions.
23 If we could call up the template now, would you begin by
24 putting Kormoran on a course of 260 at 14 knots. I will
25 just read out the wind and environmental information for
26 you. Wind from 160. Sea from approximately 160. Swell
27 from a southerly direction.

28 A. I will combine those in the squiggly line as the wind
29 and the sea.
30

31 Q. And a bearing of sunset at 248 degrees.

32 A. Is there a magnitude to the wind?
33

34 Q. There is. It is 15 to 25 knots and a sea of 2 to
35 2.5 metres. I will give you a relative wind, which was at
36 020, 23 knots. I will give you some initial assumptions.
37 We have evidence from Kormoran sources that Kormoran was on
38 a northerly course and Sydney on a southerly course when
39 she first detected Sydney, and that, upon detection,
40 Kormoran turned away to a course of 250 or 260. At that
41 point, to close Kormoran, what would Sydney have to do?

42 A. I suppose on this diagram I need to put where I think
43 Sydney was. Could you say again where - she was initially
44 sighted fine on the starboard bow when Kormoran was going
45 north-ish?
46

47 Q. Yes.

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THE PRESIDENT: Q. According to some German evidence, she was about 20 to 25 miles distance, 45 degrees off the starboard bow?

A. Yes. Kormoran is on 260. Sydney was to the north. Okay.

CAPT McLAUGHLIN: Q. What would Sydney have to do, what would a ship do, in such a situation if it needed or wanted to close Kormoran?

A. From this position, from where, on this diagram, we place Kormoran and Sydney, to close Kormoran's position it would not be a case of just steering straight for the ship. As explained previously, there is what is called relative velocity, and there would be a steering component ahead and a speed component to make sure - obviously, if something is further away, you need to go faster than it. So for Sydney to close, she would have to steer towards Kormoran but in a way that she closes the range without dropping further back in bearing, so for her to close Kormoran, based on Kormoran's 260, she would have to steer somewhere to the right of 260 and have a different speed component to do that.

Q. So a greater speed in order to try to close the distance?

A. Yes.

Q. Where, in normal practice in these weather conditions, noting the southerly winds and swell, et cetera, if you were closing on a ship that you didn't know about, where would you tend to position your ship?

A. It depends on the tactical situation, but from that diagram there - what was the question again, just to close the ship?

Q. To close the ship, where would you be aiming to position yourself as you closed the ship, on that other ship?

A. Well, from your speed advantage, you would try to be in her quarters initially, because that's where the starting position is, and then from there you would have to make an assessment of how much you would have to close, which would determine where you wanted to position the ship.

Q. There is some evidence before the COI from Kormoran

1 sources that Sydney, once she did close, stationed herself
2 at around relative green 170, or 10 degrees from aft, and
3 was closing slowly, showing a narrow silhouette. Would
4 this accord with your experience?

5 A. Yes, that would accord.
6

7 Q. I want to address at this point a theory that has been
8 postulated. Some theorists put forward a proposition that
9 Kormoran was stopped in the water, that she was flying a
10 white flag. They then propose that perhaps Sydney was
11 preparing to launch a boat to send over to Kormoran to
12 investigate. Assume for a moment that this was so. In
13 these weather conditions, where would an experienced seaman
14 tend to position themselves if they were to launch a boat
15 or were intending to launch a boat to send across to a
16 stationary vessel?

17 A. Given these weather conditions, what you would try to
18 do is to what is called provide a lee for the launching of
19 the boat. The lee is to protect, by using the ship's
20 structure, the boat from both the wind and the swell. If
21 you can imagine, you want to be able to launch your boat
22 safely.
23

24 I would postulate here that Sydney, to provide a lee
25 for the boat and to put the elements - to be up from the
26 Kormoran - sorry, there are two factors. One is to provide
27 the safety lee for the boat. Also - I will call Kormoran
28 the target vessel here - you would want to have the boat
29 going down-sea. The reason for that is that you want the
30 journey to the target vessel to be as easy as possible for
31 many tactical reasons, but the main one being that you want
32 the boat to get there fresh, to be able to do its mission,
33 without the crew on board being fatigued because of any
34 weather conditions.
35

36 With those factors in mind - and I will assume that
37 Sydney would still be trying to close Kormoran in some
38 way - from this postulation, I would say that you would
39 have the elements on the port side of Sydney and you would
40 probably use the boat to starboard and you if were going to
41 station Sydney to achieve a down-sea run, you would be
42 around on the port side of Kormoran, which enables you (a)
43 to provide a lee for the boat, if you launched a starboard
44 boat, which is the right-side boat, to provide a lee for
45 it, but also to allow that boat to have a down-sea run and
46 to get to the target vessel with the minimum of fuss and
47 fatigue on the boat crew.

1
2 Q. Just to clarify and sum up, in that scenario you would
3 go to the port side of Kormoran in order to put the sea on
4 your own port side, to provide a lee for the launch of your
5 starboard boat, and then send the boat down-sea towards the
6 target vessel?

7 A. Yes, depending on the situation and what you are
8 trying to achieve. In that situation there, to launch a
9 boat and to achieve those two things - provide a lee for
10 the boat and also to get the boat down-sea - Sydney would
11 have to position itself somewhere here (indicating) on the
12 port side of Kormoran.
13

14 Q. We will now return to our assumption that Kormoran is
15 on 260 at 14 knots, so no longer stationary in the water.
16 I now want to turn to the effects of the weather in
17 relation to some of the tactical decision-making. We will
18 start with signalling. We have heard some evidence to this
19 effect already. Given a Kormoran course of 260, a speed of
20 14 and a relative wind across the deck of 020, or relative
21 green 120, 125-ish, assuming Sydney is at relative green
22 170 on Kormoran, how easy would it be to read Kormoran's
23 signal flags?

24 A. I will just put on a secondary diagram. That's in the
25 green 170 position. From that direction there, you would
26 see the flags, and also, depending on range - I haven't got
27 a range component of where Sydney is, where the flags are -
28 but outside 5 nautical miles it gets pretty hard to read
29 flags anyway. So, based on that diagram, if that range is
30 greater than 5 nautical miles, there is an issue; there
31 will be some difficulty in reading flags.
32

33 On the angle, they would not get a full view of the
34 flags, but the angle of the flags on that relative wind -
35 they would see a certain percentage. I suppose 50 to
36 60 per cent of the flags would be seen. That's just a pure
37 angle. Remember, range is also a big factor in this as
38 well.
39

40 Q. Noting that all the different signal flags have
41 different combinations of colour, would that 50 to
42 60 per cent of the flag be enough for you, with certainty,
43 to read those flags, assuming it was a clear view of those
44 flags?

45 A. For an experienced operator expecting a flag hoist,
46 yes, depending on what flags they had hoisted. It wouldn't
47 be easy, but you could discern those flags based on that

1 angle. Remember, I'm not sure what range Sydney was at,
2 but, based on that angle, with an experienced operator on
3 the bridge, the yeoman or whatever, you could. It wouldn't
4 be easy, but you could do it from that angle.
5

6 Q. I would now add a couple of complicating features, and
7 we will just bring up two photos quickly. Could I bring
8 up, firstly, photo COI.006.0015.
9

10 THE PRESIDENT: Whilst you are doing that, I will mark
11 this image as exhibit 115.
12

13 EXHIBIT #115 CAPT BAIRSTOW'S DRAWINGS AND CALCULATIONS
14

15 CAPT McLAUGHLIN: Q. This is a close to beam-on view of
16 Kormoran and you can see the superstructure where the
17 bridge was and the funnel just aft of the bridge. I would
18 now like to call up a second photo which gives a quarter
19 view. Actually, before we do that, there is some evidence
20 before the COI from a Kormoran source that the yeoman
21 hoisted his response flags, his hoists, up on a stay
22 situated aft of Kormoran's bridge but forward of the
23 Kormoran funnel. Would you just bear that in mind for a
24 moment.
25

26 Could I now call up photograph COI.006.0020. This is
27 a picture of Kormoran. What relative perspective would you
28 call that, if you were looking at Kormoran?

29 A. That would be the starboard - I would be on Kormoran's
30 starboard quarter.
31

32 Q. So Kormoran's starboard quarter. So this would not be
33 too unlike a view that Sydney may have had if she was on
34 Kormoran's starboard quarter or just fine on Kormoran's
35 stern?

36 A. Yes. But the range component here - that's quite
37 close.
38

39 Q. That's quite close, yes. What would you estimate the
40 range there to be, just in rough terms?

41 A. 1,000 yards.
42

43 Q. So if Ahlbach, the yeoman, is hoisting his response
44 flags aft of the bridge but forward of the funnel, from
45 this position, would that make it more complicated or
46 easier to read those flags?

47 A. By looking at this quarter view, there are quite a few

1 obstructions, if you are going to have flags on the
2 starboard side. Obviously you have the bridge forward but
3 you also have the funnel. Now, I'm not sure where the
4 actual halyards - which are the lines that the flags are
5 secured to - are, but there are some obstructions there
6 which could affect the vision that you would have of the
7 flags. Remember, I can see that there like that, at that
8 range, but if you increase the range, you increase the
9 difficulty.

10
11 Q. Would the presence of the funnel cause any further
12 issues - heat haze or smoke or anything like that?

13 A. Well, by looking at that, there would be an exhaust
14 and there would be quite a bit of heat. I don't know if
15 they were blowing smoke or whatever, but there were quite a
16 lot of factors, just with the funnel and the proximity of
17 the heat source and haze to that starboard side where the
18 flags are, that would have an impact on your ability to see
19 those flags.

20
21 Q. Just to add into this the position of the sun, how
22 would that also mix into this combination of factors?

23 A. By looking down at that and onto the diagram, the sun
24 would be beyond the ship and you are looking up-sun, into
25 the sun, or the area where the sun is, and also that sun is
26 in a similar position to where the flags may have been
27 flying, that would certainly make it another order of
28 difficulty in discerning what those flags are.

29
30 Q. Could we bring up the template again, please. Before
31 leaving this aspect of signalling, given all of these
32 factors, where could a ship perhaps read a hoist from
33 Kormoran more clearly?

34 A. If the relative position of the flags - you could
35 either be ahead, or that quarter position by an angle could
36 provide 50 to 60. If you wanted to increase that,
37 obviously, you would want to come further around to port,
38 from Sydney's perspective, so further around to the quarter
39 on Kormoran, or you would go ahead and read them from
40 forward. So what you are trying to do is to get the angle.
41 If you can imagine the flat-screen TV over there, depending
42 on what angle you are - obviously if you are facing it, it
43 is easier to read the TV; the more acute your angle, the
44 harder it is to discern. So Sydney would take into account
45 those considerations. Further down the quarter or to go
46 ahead - I see those as two the two options.

47

1 Q. Before moving on from the ability in such conditions
2 to read signal flags, you spoke of range. Could you please
3 just reiterate what the range bracket is within which
4 signal flags could be read in similar weather conditions?

5 A. In these weather conditions, if you look at where the
6 sun is, if you take it to a normal, reasonably clear day,
7 as a rule of thumb, 5 nautical miles is good. You would
8 want to be inside 5 nautical miles to see flags quite
9 clearly. Outside of 5 nautical miles it starts getting
10 harder. Taking into account, if you look there, the
11 relative position of the flags and where the sun is and the
12 haze of the funnel, where the position of the flags is,
13 range would definitely be, I would consider, a factor of
14 how you would read the flags. Between 2.5 and 5 nautical
15 miles - 5 nautical miles is getting out towards it, which
16 is 10,000 yards, give or take.

17
18 Q. At this point, we will bring up in succession four
19 contemporaneous documents from the World War II period and
20 I will ask you to read some sections from those. Could
21 I call up, first of all, UKAA.002.0036 at page 0043 and
22 could we scroll down to the bottom paragraph,
23 "Communication with Suspects". This is from an Admiralty
24 document of 1943/1944, which is "Draft Tactical Guidance on
25 Disguised Enemy Raiders and Blockade Runners". I will read
26 the relevant section:

27
28 Communication with Suspects

29 A problem that perpetually arises is that
30 of communication with a suspected ship.
31 Though many merchant ships have shown a
32 most satisfactory efficiency it is a hard
33 fact that visual signalling cannot be
34 guaranteed outside four miles, and many
35 Commanding Officers have felt a great
36 temptation to close to a satisfactory
37 visual range after a tiresome period of
38 frustration.

39
40 Would this accord with your general appreciation of
41 visibility?

42 A. Generally, yes.

43
44 CAPT McLAUGHLIN: I tender that document.

45
46 EXHIBIT #116 DOCUMENT BARCODED UKAA.002.0043, PAGE FROM A
47 1943 ADMIRALTY DOCUMENT BEARING THE TITLE "DISGUISED ENEMY

1 RAIDERS AND BLOCKADE RUNNERS: CONDUCT OF HER MAJESTY'S
2 SHIPS"

3
4 THE PRESIDENT: This, of course, is after the event?

5
6 CAPT McLAUGHLIN: Yes, sir.

7
8 Q. Next we will call up UKAA.010.0084 at page 0088, at
9 the bottom of this page. Sir, this document is a report of
10 proceedings by HMS Dorsetshire, dated 2 December 1941.
11 I will just read the relevant part from paragraph 28, on
12 the next page:

13
14 British and Allied Merchant Ships,
15 independently routed, are frequently met at
16 sea often hundreds of miles from the
17 position where they ought to be on the
18 plot. Their identity can only be
19 established by signalling, which is
20 extremely difficult outside a range of
21 8 miles. In these circumstances the
22 temptation to close to signalling distance
23 (5 miles or less) is very great, especially
24 if the course of the vessel to be
25 identified is in the opposite direction to
26 that on which the cruiser wishes to
27 advance, and the more so if daylight is
28 running short.

29
30 Would this, in general, accord with your view,
31 CAPT Bairstow?

32 A. Yes.

33
34 EXHIBIT #117 DOCUMENT DATED 2 DECEMBER 1941, REPORT OF
35 PROCEEDINGS OF HMS DORSETSHIRE

36
37 CAPT McLAUGHLIN: Q. The next document is NAA.074.0064.
38 Can you read that, CAPT Bairstow? I have a printed copy if
39 you need it.

40 A. Yes, just paragraph 1?

41
42 Q. Yes. I will read paragraph 1. This is a minute paper
43 dated 31 December 1941, related to the safety of merchant
44 shipping. It says:

45
46 ... I also concur that it is sometimes
47 difficult to read flags at distances of

1 one mile. It is also difficult to read
2 daylight flashing lamps if the ship is
3 "up sun". These are exceptional cases and
4 I consider that to be able to read flags at
5 even 3 miles is a step in the right
6 direction.

7

8 Again, would this accord with your views and experience?

9 A. Yes.

10

11 CAPT McLAUGHLIN: I tender that document.

12

13 CMDR RENWICK: Might I inquire as to the author of this
14 document?

15

16 THE PRESIDENT: Somebody signed it "for the DSC". I can't
17 read the author's name. It looks like JAS Braum.

18

19 CAPT McLAUGHLIN: I guess the only link we can make is
20 that this is a document in response to the next document
21 which we will bring up, as to which we can determine the
22 author. These are RAN documents.

23

24 CMDR RENWICK: Yes. I accept that.

25

26 THE PRESIDENT: The document dated 31/12/1941 signed "for
27 the DSC", subject "Safety of merchant shipping", barcoded
28 NAA.074.0064 will be exhibit 118.

29

30 EXHIBIT #118 DOCUMENT DATED 31/12/1941 SIGNED "FOR THE DSC"
31 WITH THE SUBJECT "SAFETY OF MERCHANT SHIPPING", BARCODED
32 NAA.074.0064

33

34 CAPT McLAUGHLIN: Q. Finally, could we bring up document
35 NAA.074.0065. Again, this is paragraph 1. This document,
36 sir, is the minute of 30 December 1941 from "DOD", referred
37 to in the previous document. This document is signed by,
38 as he would have been then, CAPT Dechaîneaux. Leaving
39 aside the reference, it says:

40

41 It is sometimes very difficult to read a
42 flag hoist at as little as a mile. The
43 whole purpose of suggesting a daylight lamp
44 is that warships can identify ships from a
45 range at which they are not tactically in a
46 disadvantageous position, i.e. outside
47 5 miles at least.

1
2 THE PRESIDENT: That document was written, if I recall
3 correctly, to address a response to a proposal by
4 CAPT Dechaineaux that all merchant vessels be fitted with
5 daylight lamps so that they could signal from, I think,
6 10 miles.

7
8 CAPT McLAUGHLIN: We tender this document.

9
10 EXHIBIT #119 DOCUMENT DATED 30/12/1941 BARCODED
11 NAA.074.0065

12
13 CAPT McLAUGHLIN: Q. I want to now move on to weather
14 conditions and the effect they would have had on launching
15 a boat whilst under way. We've talked previously about
16 launching a boat towards a stationary vessel. There is
17 some evidence before the COI from a Kormoran source that
18 Sydney actually approached on Kormoran's starboard quarter,
19 that it may have had a port side boat outboard for launch.
20 Could we bring up the template, please. In weather
21 conditions such as these, and given the course of both
22 ships on approximately 260, how difficult would it have
23 been to launch a boat on the port side, noting a speed,
24 from Kormoran sources, that she was doing 14 knots, and
25 Sydney, in order to maintain station on her, would have had
26 to have been doing what speed?

27 A. She would have to be doing faster. Without working
28 out, I would start at least 5 knots more or 10 knots more.
29 You would want a definite speed advantage if you were
30 trying to close. In terms of the boat, I would just go
31 back to the basic principles, to provide a lee to protect
32 the boat and its crew, and by protecting the boat, not just
33 it banging against the ship's side, but actually the
34 ability to launch the boat safely. In those conditions
35 there, if a boat was out on the port side, it would not be
36 providing a lee and, in those conditions there, yes, you
37 wouldn't be providing a lee. So unless there was some
38 other reason why you would have a boat out on the port
39 side, that would not be the way that you would launch a
40 boat.

41
42 THE PRESIDENT: Q. You certainly wouldn't launch a boat
43 at 25 knots?

44 A. If you take into account the ship's speed - and I'm
45 not sure on what procedures they used in those days - going
46 through the water at a rate of knots would make it very,
47 very hard to launch a boat. In fact, I would hazard to say

1 at 20 knots you wouldn't launch a boat, period.

2
3 CAPT McLAUGHLIN: Q. I now want to move on to the
4 weather effects on timing and remaining daylight. There is
5 some evidence before the COI from Kormoran sources that by
6 17:15 Sydney had closed with Kormoran and had by then
7 commenced signalling Kormoran to establish identity. Now,
8 if sunset was at 19:05, and it was to be a moonless night.
9 What impact would this have on a command appreciation of
10 any situation?

11 A. The command appreciation in this case, noting that
12 identification would have been done by visual means, the
13 light starting to fade would certainly be a factor you
14 would have to consider. The timing and the direction of
15 the sun and also what range the two ships were apart would
16 impact on the time remaining to complete the identification
17 evolution and whatever evolutions might follow from that.
18 So the setting of the sun would have been a time factor in
19 terms of the decisions that would have to be made to
20 conduct the evolutions, initially, of identification and
21 whatever might follow.

22
23 Q. So identification would have been a preliminary, would
24 it, to have determined the next step that you would have
25 had to have taken in the remaining daylight?

26 A. Yes. Not knowing what Sydney's ROE was, but I take it
27 there that Sydney was trying to identify that vessel, so
28 certainly after identification has been resolved or not
29 resolved, but at least you have tried to identify, then
30 that would certainly bring into account other actions,
31 I would assume, after that.

32
33 Q. There is also some evidence before the COI that it was
34 routine for German raiders, indeed, most merchant vessels,
35 to steam at night not burning their navigation lights.
36 Given the evidence as to the darkness of the night that was
37 approaching, how easy would it be to maintain contact with
38 or to maintain track on such a vessel like the Kormoran,
39 for example, on a moonless night, given, of course, that
40 Sydney had no radar?

41 A. It would have been quite hard. I think the ship would
42 darken themselves. There are many tactical reasons why you
43 would do that. Also, another reason to actually darken the
44 ship, whether you have your navigation lights on or not, is
45 to make sure that if you have your navigation lights on and
46 you darken your ship, then all you see is the navigation
47 lights, and under the international rules, whatever they

1 were back then, you could determine the aspect of a vessel.
2 If you turned those navigation lights off and you were
3 darkened, it would be pretty difficult to maintain a track
4 of that vessel visually, without the aid of radar.

5
6 Q. So not only would it be difficult just to see or
7 detect the vessel, but are you saying that, without the nav
8 lights, determining the aspect and, therefore, what her
9 course and speed was so that you could try to match that in
10 order to not lose contact, would be more difficult?

11 A. That would be very difficult, as I said, without the
12 aid of radar, noting that navigation lights are there so
13 that other ships, at night, can determine the aspect and,
14 therefore, avoid collision.

15
16 Q. By "aspect", you are referring to a ship being able to
17 detect what angle they are on the bow or on the stern?

18 A. Yes, relative to you. Relative to you.

19
20 Q. Finally, then, I want to turn briefly to the issue of
21 weather effects on discerning silhouettes. You have
22 provided some evidence on the ability to read flags and
23 just briefly on flashing light from up-sun. Given a sea
24 state of 3 to 4 and given Kormoran's position relative to
25 the sun, and, again, assuming Sydney's position is
26 somewhere between the starboard quarter of Kormoran and
27 right astern of Kormoran, how easy or difficult would it be
28 to discern a clear silhouette, noting the position of the
29 sun, amongst other things?

30 A. It would be difficult to discern the silhouette, but
31 also, from the perspective of the aspect of the vessel,
32 when you look at the beam-on picture of the vessel, it
33 tends to stand out. Once you start getting that angle,
34 when the angle gets a lot more acute, it is hard to
35 determine the actual positioning of the masts, the funnel,
36 et cetera, of that ship. So if you take into account
37 heading into the sun, the haze, looking up-sun, so it is
38 hard on the eyes as well, there would be some elements of
39 difficulty in determining the visual aspect - sorry, not
40 the aspect, but the silhouette of that vessel.

41
42 Q. In your experience, is it easier to discern a
43 silhouette if the sun is behind you as you are looking
44 towards the target vessel, or with the sun behind the
45 target vessel, illuminating the target vessel?

46 A. In terms of the conditions there, a visual
47 recognition, if you are trying to discern what it is,

1 I would agree that it would be harder with the sun behind
2 it to discern features, and the features that they would
3 take into account then to discern what sort of vessel it
4 is, yes.

5
6 CAPT McLAUGHLIN: That concludes my questioning of
7 CAPT Bairstow, sir.

8
9 CMDR RENWICK: I have a couple of questions, sir, if
10 I may.

11
12 <EXAMINATION BY CMDR RENWICK:

13
14 CMDR RENWICK: Q. Could we have brought up COI.006.0018,
15 the picture, please. Sir, you will recall giving some
16 evidence about this picture of Kormoran?

17 A. Yes.

18
19 Q. I think at T1261, line 41, you estimated that the
20 rough distance to the ship in that picture was about
21 1,000 yards or so - approximately?

22 A. Yes, approximately. Probably less than that. Yes.

23
24 THE PRESIDENT: If she is oiling, it is probably
25 400 metres.

26
27 CMDR RENWICK: Q. Would you keep that image in your
28 mind, sir. Could I ask that BURN.001.0014 be brought up,
29 please. This is the map taken from the Official War
30 History. If you just look at that, sir, I would like you
31 to assume that that map accurately depicts the relative
32 positions, at the designated times, of the Sydney and the
33 Kormoran. We will need to zoom out a little bit so that
34 CAPT Bairstow can see the scale in the top right-hand
35 corner. This is from the second volume of Gill in the
36 Official War History, the Australian Official History.

37
38 You can see the approximate scale up at the top
39 right-hand corner. If we can close in a little bit, then,
40 my question is this: would you agree with me that,
41 assuming that that map and the times are accurate, the view
42 of the Kormoran that you have given evidence about on the
43 photo that I have shown you a minute ago would be the view
44 that the Sydney would have had at approximately 5.15pm?

45 A. At 5.15, it looks like the angle would be - just
46 assuming that this diagram is correct and they are both
47 heading in roughly the same direction, that probably would

1 put Sydney a bit further around to starboard on the
2 quarter.

3

4 Q. So it would be a little earlier on, perhaps closer to
5 5pm, would it?

6 A. I would have to have another look at the ship again.

7

8 Q. Yes. Could we go back to the photo, please.

9 A. I reckon that's probably green 150, green 160.

10

11 THE PRESIDENT: Q. Did you say green 150?

12 A. Yes, I'm just trying to estimate what her ship's head
13 is relative to me, sir. I mean, that's on the quarter, but
14 within plus or minus 10 degrees either side. Yes, roughly,
15 on the quarter. So if we go back to the diagram.

16

17 CMDR RENWICK: Q. Yes. Could we go back to the map,
18 please. So as far as the bearing goes, you would say it is
19 closer to 5pm than 5.15pm?

20 A. Or before, yes. To me, it doesn't look like that
21 would be 5.15pm, so it would be earlier than that and
22 5 looks closer to it than 5.15.

23

24 Q. But as far as the distance goes, the map depicts the
25 Kormoran further away from the Sydney than on the photo?

26 A. Oh, yes. If I use the scale, it is probably 4 miles,
27 I think, at 5pm, and obviously more than that as you go
28 earlier in time, to 5 miles.

29

30 Q. At 5.15, it is not that close - it is not 1,000 yards
31 either, is it? It is much further than that?

32 A. By the scale it would be a mile and a half, two and a
33 half miles, which is sort of like 3,000 yards, give or
34 take.

35

36 THE PRESIDENT: No, it is not.

37

38 CMDR RENWICK: It is further than 1,000 yards is the
39 proposition.

40

41 THE PRESIDENT: Not very much, as I would read it.

42 Putting a pen against it, at 5.15, I would have thought on
43 that scale it is about --

44

45 THE WITNESS: A mile? A mile, a mile and a half, so 2,500
46 yards.

47

1 CMDR RENWICK: Thank you, sir.

2

3 CAPT McLAUGHLIN: Sir, before concluding here, I have been
4 remiss at not tendering the Beaufort wind scale.

5

6 THE PRESIDENT: I shall mark a blank copy of the ship's
7 log which contains the various sea states and Beaufort
8 scales as exhibit 120.

9

10 EXHIBIT #120 BLANK COPY OF SHIP'S LOG CONTAINING VARIOUS
11 SEA STATES AND BEAUFORT SCALES BARCODED RAN. 002.0139 AND
12 FOLLOWING

13

14 CAPT McLAUGHLIN: May CAPT Bairstow be excused?

15

16 THE PRESIDENT: Yes, thank you very much, CAPT Bairstow.

17

18 <THE WITNESS WITHDREW

19

20 THE PRESIDENT: Is that a convenient time?

21

22 CMDR RUSH: It is, sir.

23

24 THE PRESIDENT: Very well. We will take a short
25 adjournment.

26

27 SHORT ADJOURNMENT

28

29 CMDR RUSH: Sir, it is proposed today and tomorrow and
30 then later on in January to call some people who have
31 provided submissions to the Commission of Inquiry and who
32 put forward alternative theories.

33

34 I thought it might be of benefit, sir, to give some
35 background in relation to theories, conspiracy theories and
36 others, that have come forward since the loss of Sydney on
37 19 November 1941.

38

39 When one considers it as a whole, the loss of Sydney
40 has provoked extraordinary controversy and debate.
41 Sensational claims have been put forward. Fraudulent
42 accounts, fraudulent documents and even fraudulent
43 artefacts have been produced. The sensational has tended
44 to overwhelm sensible and reasoned discussion.

45

46 The effluxion of time, the absence of the wrecks and
47 the absence of the battle site have provided fertile ground