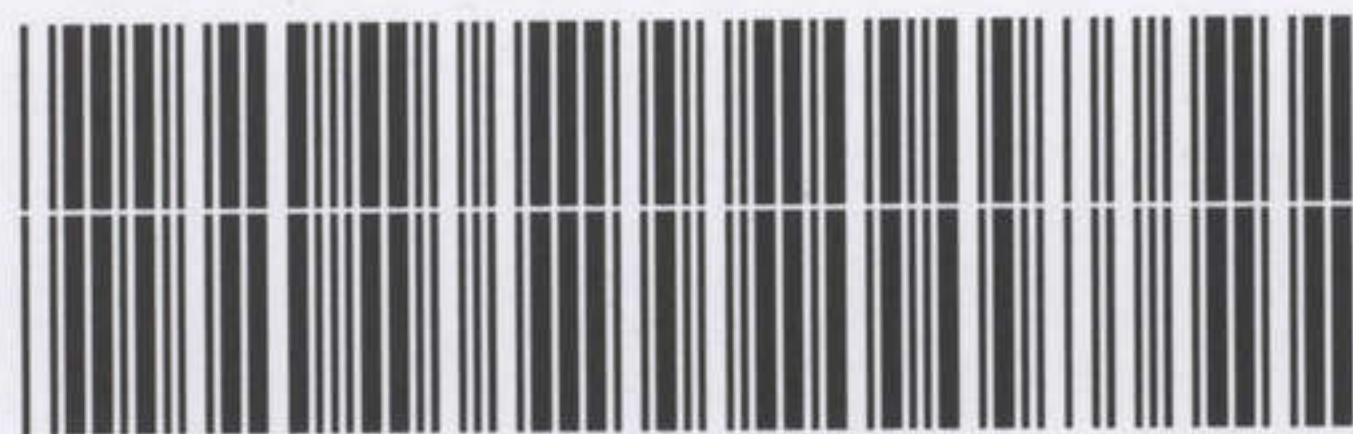


AWM78
**Reports of Proceedings,
HMA Ships and Establishments**

HMAS DIAMANTINA (I)

Item number: 99/7

Title: January 1968 - December 1969



AWM78-99/7

[99/7]

DIA MANTINA - 1968 - 1969

CONFIDENTIAL

DEPARTMENT OF THE NAVY

Declassification Authority—Defence Records
This record has been reviewed and has been
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(Navy) with effect from: 1 Nov 1990
Authority Dig (N) Admin 18-13
Reviewer: LCDR R. L. Smith (RANEM)
Signature: *R. L. Smith* Date: 1 Nov 90

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18-206-1202

DEPARTMENT OF THE NAVY

MINUTE PAPER

~~Q.E.~~ JAN '68

HMAS DIAMANTINA

Report of proceedings

~~AS(NS)~~

~~D OF O~~

~~DCNS~~

~~1NM~~

~~2NM~~

~~3NM~~

~~4NM~~

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~~FAS(EG)~~

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Registrar

AMM 16/2

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28/2

21/3

D of P	D of P(A)	DGFE	DTWP	D of C	DNAP	DSMP	CONS	DNI) Separate
HPB	DCNP	DOA	DMT	DDM	DPS	DFSD	DNR	DNES) Report
ACMD	DMED	ACTP	DWE	PEE	MDG	NSAP(M)	AS(NS)	(N5)	) Registrar
									) Circulating

NOTES: (A) This report should be dealt with and passed on promptly.

(B) On this file comments should be brief; if any matter requires comprehensive treatment, reference to another Branch, or approval of a Board Member, a new file should be raised, cross-referenced to this one.

4/26/2

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COMMONWEALTH OF AUSTRALIA



DEPARTMENT OF THE NAVY

TELEPHONE:
~~XXXX~~
39.1522

NAVAL STAFF OFFICE,
P.O. Box 58, FREMANTLE, W.A. 6160.

NAVY—CANBERRA		
18	206	1202

REF. NO. 56/9/16

7 FEB 1968

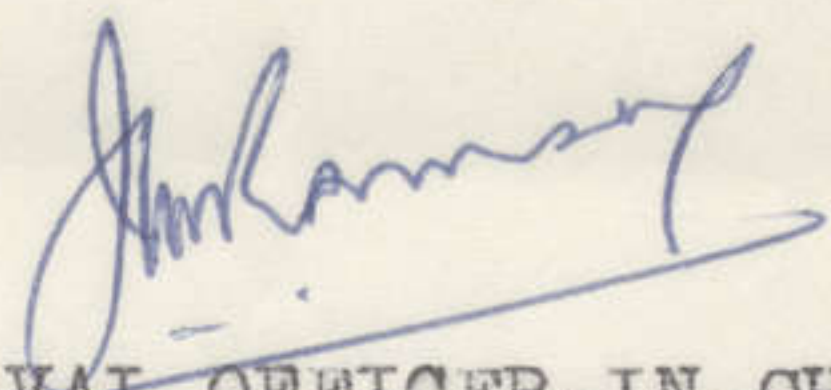
The Secretary,
Department of the Navy,
Navy Office,
CANBERRA. A.C.T.

(Copy to : The Flag Officer Commanding, H.M. Australian Fleet).

H.M.A.S. DIAMANTINA : REPORT OF PROCEEDINGS

The attached report in duplicate, for the month of January 1968 is submitted.

Encl.


NAVAL OFFICER-IN-CHARGE
WEST AUSTRALIA AREA

NS5 12/2

RESTRICTED

RESTRICTED

H.M.A.S. DIAMANTINA
At Fremantle

1st February, 1968

Dev
The Naval Officer-in-Charge,
West Australia Area,
H.M.A.S. LEEUWIN.

(Copy to: The Hydrographer, R.A.N.)

56	9	16
CENTRAL REGISTRY		
- 6 FEB 1968		
RECEIVED		
Naval Staff Office Fremantle		

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS - JANUARY 1968
(ALL TIMES IN ZONE HOTEL (-8))

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship under my command for the month of January, 1968.

2. Throughout the month DIAMANTINA continued her annual refit alongside at Fremantle. Many postins in and out were effected and the majority of the Ships Company completed their leave.
3. The ship was fumigated on Friday 5th and Saturday 6th.
4. At 1430 on Tuesday 16th I called on your predecessor, Commodore H.D. Stevenson and took my leave.
5. On Thursday 25th DIAMANTINA successfully carried out Basin Trials and on completion came to 8 hours notice for steam.
6. The ship was dressed with masthead flags on Friday, 26th to commemorate Australia Day and again on Monday 29th on the occasion of the official Australia Day holiday.
7. At 0830 on Tuesday 30th the ship cast off and proceeded to sea to conduct Post Refit trials and on successful completion returned to harbour, berthing alongside 'B' wharf at 1530.
8. At 1030 on Wednesday 31st I called on you, Sir.
9. Although work was hampered to a large degree by many harbour moves, generally the refit progressed well and co-operation between ships staff and civilian contractors was most congenial. At the completion of the refit all major defects were completed and only minor jobs remained outstanding and require further attention.
10. Much work by ships staff is to be done to retrieve the cleanliness and standard of appearance that prevailed prior to refit however all hands should ably achieve this during the forthcoming shake down and sea period at the Monte Bello Islands.
11. The health, and conduct of the Ships Company is generally good and morale of a high nature.

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12. Habitability, although always a point for discussion, is satisfactory and should improve considerably during the immediate future.

I have the honour to be Sir,

Your Obedient Servant

M. Ward

(M. WARD)
LIEUTENANT COMMANDER
CAPTAIN

RESTRICTED

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APPENDICES

A. STEAMING FIGURES

Distance steamed during the month	61.0 miles
Hours underway during the month	7.0 hours
Total distance steamed since commissioning	261,624.9 miles
Total hours underway since commissioning	26,896 hours

B. EXERCISES

Steering gear breakdowns	2
Gun functioning trials - BUS	1

C. OFFICERS

Joined

ASLT RLSU K.G. CHAMBERS	from shore 8th January, 1968
LEUT RLEX R.S. STRUDWICK	from shore 15th January, 1968
LEUT R. WARING	29th January, 1968

Left

ASLT ALSU K.G. CHAMBERS	to shore 22nd January, 1968
-------------------------	-----------------------------

D. SPORTING

11th January Cricket DIAMANTINA V LEEUWIN (Lost)

Ships Bosun Dingh 's have been regularly used for recreational sailing.

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18/206/1249

DEPARTMENT OF THE NAVY

MINUTE PAPER

FEB. 1968

HMAS DIAMANTINA

Report of proceedings

~~AS(NS) 26/3~~

~~D OF O 26/3~~

~~DCNS~~

Propose all fitting No. 6 uniforms mentioned in para. 14 be followed up

~~1NM~~

AMM 28/3

~~2NM~~

29/3

~~3NM~~

28/3

~~4NM~~

Para 14 - will be investigated by DQ V in conjunction with DCNS and Results reported to me 9M 9/4

~~SEC~~

~~FAS(EG) 10/4~~

~~FAS(TM) 10/4~~

~~C OF S 16/4~~

~~DFR 19/4~~

~~AS(NS) (N5) Registrar~~

~~D of P D/D of P(A) DGFE DTWP D of C DNAP DSMP CONS DNI) Separate
HPB DCNP DOA DMT DDM DPS DFSD DNR DNES D of R ACDC PNA) Report
ACMD DMED ACTP DWE PEE MDG DSAP(M) AS(NS)(N5) Registrar) Circulating~~

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(B) On this file comments should be brief; if any matter requires comprehensive treatment, reference to another Branch, or approval of a Board Member, a new file should be raised, cross-referenced to this one.

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22/2/4

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G 22 MAR 1968
NAVY REGISTRY

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NAVY—CANBERRA
18 206 1249

COMMONWEALTH OF AUSTRALIA



REF. NO.

56/9/16

TELEPHONE: 39 1522
39-1521

DEPARTMENT OF THE NAVY

P.O. Box 58

NAVAL STAFF OFFICE,
FREMANTLE, W.A. 6160

19 MAR 1968

D

The Secretary,
Department of the Navy,
Navy Office,
CANBERRA. A.C.T. 2600

(Copy to: The Flag Officer Commanding, H.M. Australian Fleet)

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS

The attached report in duplicate, for the month
of February, 1968 is submitted.

(2)
NAVAL OFFICER-IN-CHARGE
WEST AUSTRALIA AREA

RESTRICTED

NSO.D. 25/3

RESTRICTED

H.M.A.S. Diamantina,
At sea.

1st March 1968

The Naval Officer in Charge,
WEST AUSTRALIA AREA.

Copy: The Hydrographer, Royal Australian Navy.

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS
FOR THE MONTH OF FEBRUARY 1968
ALL TIMES HOTEL (-8)

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship under my command for the month of February 1968.

2. At 0830 on Thursday 1st, H.M.A.S. Diamantina cast off and proceeded to complete Post Refit Trials. All tests proved satisfactory and after carrying out a compass swing and adjustment, the ship returned to harbour and berthed port side to at "B" shed, Victoria Quay at 1330.

3. Friday 2nd was spent alongside in Fremantle storing and fuelling. At 1130 you returned my call and remained for lunch, Sir.

4. Except for some minor items and works beyond the capacity of local contractors, all defects had been satisfactorily completed by this time. Overall the refit progressed well even though the numerous harbour moves during the period and some shortfall in liason with contractors did prove frustrating. Items that remain outstanding have been raised as defects for the Long Self Maintenance period in June and July 1968.

5. H.M.A.S. Diamantina cast off and proceeded at 0845 on Monday 5th to carry out a radiation survey of the Monte Bello Islands for the Atomic Weapons Test Committee of the Department of Supply. Embarked were CPO L.R. Bartlett, R37934, on loan from H.M.A.S. Anzac to lead the radiation parties and two newsmen from Westralian Newspapers Ltd.

6. After clearing harbour identities were exchanged with USS Goldsborough at 0901 who was entering Fremantle for a short visit.

7. Course was set to clear the Abrolhos Islands to the west and to run soundings clear of the normal shipping route. At 1842 on Monday 5th ORDWM B.M. Wojcik, R96005, accidentally fell overboard from the port side of the quarterdeck when the ship rolled and the sailor lost his footing. ORDSA A.J. May, R95445, the lifebuoy sentry, on hearing the man's cry and seeing him in the water immediately let go a lifebuoy and sounded the alarm which had fortuitously been installed at the last refit. The ship was brought about to port and positioned upwind and upsun of the man in the water. At this stage there was an 8 to 10 foot south westerly swell running and a 3 foot sea caused by the southerly winds of 20 knots. It was decided that conditions were unsuitable for a seaboat and that a swimmer would be used for the recovery. When the sailor was twenty yards on the port bow, A/LSCD E.C. Sporer, R93331, was ordered into the water and the sailor was recovered, finally being brought inboard over the quarterdeck at 1852. All personnel concerned responded well to the emergency. The swimmer method of recovery would appear far more expedient than using a seaboat.

.../2

8. During the passage on the 5th, 6th and 7th, closing down, emergency and leaving ship stations were exercised and the ship thoroughly cleaned after the recent refit, a job which entailed almost the entire period. Cyclone warnings were in force for the North West Cape area en route but passage was effected to the eastward of Cyclone Ella with little adverse weather. The United States Navy Communications Base masts at North West Cape proved to be an excellent radar target and was successfully used in fixing. North West Cape was rounded at 1100 on 7th February.

9. After clearing the passage between North West Island and Tryal Rocks in the Monte Bello group at 2000, H.M.A.S. Diamantina came to the port anchor in 9 fathoms of water with 5 shackles on the waterline in a position $010^{\circ} 0.9$ miles from Chatham Point on Trimouille Island. Bottom was sand, shingle, coral and stone.

Three vessels were observed at anchor to the south and at first light on Thursday 8th they were identified as survey ships engaged in carrying out seismic surveys to the east of the Monte Bello group for West Australian Petroleum.

10. At 0600 on 8th soundings in the vicinity of the anchorage were confirmed by boat and lead line and at 0630 the first radiation parties were landed. Ship's monitoring teams were used for all surveys. Radiation and survey teams were again landed on 9th, 10th and 11th. A separate report of the survey (my letter dated 16th February 1968) has been forwarded. Overall, the members involved in the operation all performed most creditably working a twelve hour day ashore in almost intolerable conditions.

11. The ship's demolition team was landed on Trimouille Island on Saturday 10th and all personnel were exercised in preparation and detonation of charges.

12. Ordinary seamen were instructed daily in boat pulling whilst at anchor and although no outstanding crews were evident, all showed plenty of heart.

13. All officers and members of the boarding and landing parties and action upper deck small arms teams were instructed in the use of and fired the SLR, L1A1 automatic and .38 pistol on Saturday 10th February.

14. Divisions in No. 6 dress were held on Sunday 11th. Generally the dress was average. The Ordinary seamen who were wearing their No. 6 dress for the first time did leave a lot to be desired, particularly in the field of ill fitting uniforms. It is felt that more attention could be paid to this aspect before they are posted to sea where no facilities exist to alter them. On completion, prayers were held on the Forecastle including memorial prayers and a short silence for those who lost their lives in H.M.A.S. Voyager.

15. Fishing was good at the anchorage and a large majority of the ship's company availed themselves of the opportunity to catch and be photographed with large specimens. 10 - 15 lb snapper and rock cod were beautiful with some proper in the vicinity of 120 - 140 lb. Very few small sharks were evident.

A boats crew whilst returning from ashore killed a sea snake and returned it on board for the inspection of the ship's company. The reptile, 5'6" in length and approx 10" in girth dismissed any last thought from the sailors minds of going for a swim.

16. The two members of Westralian Newspapers Ltd. took the opportunity throughout to gather items of interest and photographs both ashore and on board for use on arrival back in Fremantle and for a future feature article on H.M.A.S. Diamantina and life at sea.

17. Although a thoroughly fruitful and enjoyable time had been spent at anchor, it was most pleasant to weigh at 1315 on 11th and get underway. Throughout the period conditions had been calm and the heat and humidity were extremely high below decks. The ship's movement and a westerly wind soon made conditions more habitable.
18. On Monday 12th whilst exercising three seaboats a bar check was carried out on all sounding equipments and proved satisfactory.
19. During the afternoon of the 12th a Large Engine Repair trial was conducted. All machinery operated satisfactorily and revolutions and horsepower developed were most satisfactory. A report is being forwarded separately.
20. Minor exercises were conducted en route to Fremantle. Some upper deck activity was curtailed because of head seas and winds during the passage.
21. Fremantle harbour was entered at 0816 on Wednesday 14th and the ship berthed port side to at No. 5 berth, North Wharf at 0830. Members of the press and T.V. were present and good publicity ensued.
22. At 0900 on Wednesday 14th I called on you, Sir.
23. At 1145 on Thursday 15th I called on Captain J.E. Pope R.N., the Captain of H.M.S. Eagle.
24. H.M.S. Cambrian entered harbour at 1410 and berthed outboard of R.F.A. Reliant at "G" shed, Victoria Quay at 1430.
25. H.M.A.S. Diamantina was shifted by tugs outboard of H.M.S. Cambrian at 1530 on Thursday 15th.
26. At 1000 on Friday 16th I called on Commander W.R. Canning R.N., the Captain of H.M.S. Cambrian.
27. Ship was stored, minor repairs made to a fuel tank and fuel embarked whilst the ship was alongside.
28. All ships divers were exercised during the afternoon on Friday 16th.
29. On Monday 19th at 0930 H.M.A.S. Diamantina cast off and proceeded to sea with four members of the C.S.I.R.O. led by Mr. R. Cowper embarked for C.S.I.R.O. cruise 1/68, the purpose of this cruise being to study the incidence and breeding habits of crayfish larvae off the Central West Australian coast to a depth of 300 miles to seawards. Hydrological stations to ascertain temperature, salinity and nitrates and also to chart subocean currents were also being conducted.
Surface and mid-water trawls for larvae were conducted throughout each night with successful results although sea conditions on the nights of 24th and 25th were such that trawling stations had to be abandoned without being completed. New members of the ship's company have shown a good interest in the work being carried out.
30. At 0930 on Friday 23rd a 40/60 surface shoot was conducted with moderate accuracy. The weapon functioned well. Only the ship's action crew were exercised on this occasion and it is intended to exercise the ORDQMG and WM categories borne in the use of the weapon during future shoots.
31. The final station on the first part of the present cruise was conducted south of the Abrolhos Islands at 0400 on Tuesday 27th and on completion passage was made between Pelsart Island and Turtle Dove shoals to Geraldton.
32. H.M.A.S. Diamantina entered Geraldton harbour at 0850 and berthed port side to at No. 2 berth at 0900 on Tuesday 27th.
33. H.M.S. Cambrian sailed at 0930 after a very successful weeks visit to the port.
34. At 1000 I called on the Worshipful Mayor of Geraldton, Mr. C. Eadon-Clark.

.../4

35. Ship was fuelled and stored after arrival and leave was granted to the ship's company from 1300. Interviews by the A.B.C. of myself and C.S.I.R.O. personnel resulted in good radio publicity.

36. At 1330 on Wednesday 28th, H.M.A.S. Diamantina cast off and proceeded to sea, clearing harbour at 1342. Course was set for the next station north of North Island in the Abrolhos group which was conducted at 1930.

37. Sea conditions were unchanged from those experienced before Geraldton and pronounced rolling was experienced on east-west trawling courses. Speeds into the sea and swell were reduced to 8 knots.

38. At the end of the month DIAMANTINA was continuing C.S.I.R.O. cruise 1/68 which was progressing quite well considering the sea state.

39. Soundings were made continuously throughout and except for one minor fault on the P.D.R. all equipment functioned well. Within the limits of C.S.I.R.O. requirements tracks are being varied slightly to cover new ground. Bathy-thermograph dips are being made twice daily on the stationary stations.

40. Training of the Ordinary seamen categories borne is well advanced and should be finished within the allotted time. The majority are settling in well and are proving quite willing in their work, though they are experiencing some difficulty in accepting the more difficult conditions at sea and the closer communal living requiring a very high degree of personal hygiene and habit.

41. Good progress was made below decks in recovering from the refit and in preparation for Annual Inspection. Progress on the upper deck was severely hampered by the adverse conditions which are prevalent in the area at this period of the year.

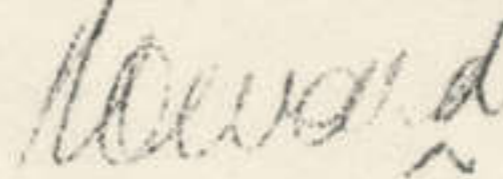
42. Conditions on board, although far from ideal, are satisfactory and the appearance of the ship is fair.

43. Although many of the new members of the ship's company suffered from seasickness (one being landed in Geraldton for survey) and apart from minor cuts and bruises, the health of the ship's company is good. Morale and conduct are good.

I have the honour to be,

Sir,

Your obedient servant,



(M. WARD)
LIEUTENANT COMMANDER R.A.N.
CAPTAIN

Appendices:

RESTRICTED

APPENDIX A

STEAMING

Distance steamed during the month	3,776.2 nautical miles
Hours underway during the month	358.2 hours
Total distance steamed since commissioning	265,407.8 n. miles
Total hours under way since commissioning	27,254.2 hours

APPENDIX B

EXERCISES

X.O. Con ship	1
Emergency stations	2
Leaving ship stations	2
Steering gear breakdown	3
Close down to NBCD 1Z	1
Action stations	1
Seaboats	7
Man overboard OOW recover	3
Radiological monitoring	4
Demolition exercise	1
Landing party small arms firing	1
Boarding party	1
D.C. & Action Communications	1
First Aid parties	2
D.C. Repair parties	2
40/60 gun crew drills	2
40/60 SU Shoot	1
Blind pilotage	2
Diving exercises	1
Seamanship exercise	8
Carry and test AGR's	1

APPENDIX C

OFFICERS

Joined: LEUT SSSG D. Candy R.A.N. from LEEUWIN on 5.2.68
SBLT SLEX R.G. Jamieson, R.A.N. from PALUMA on 14.2.68

Left: LEUT SDEN ME J. Donnelly, R.A.N. to CERBERUS on 4.2.68
LEUT SSSG D. Candy, R.A.N. to LEEUWIN on 14.2.68
ASLT SLEX P.J. Jamieson, R.A.N. to DERWENT on 27.2.68

APPENDIX D

SPORTING

Cricket: Diamantina v Geraldton Railway Social Club - Draw

ABRP Hassan loaned to LEEUWIN to represent Navy in Inter-Service cricket.

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DEPARTMENT OF THE NAVY

18 / 206 / 1264

MINUTE PAPER

MARCH 1968

HMAS DIAMANTINA

Report of proceedings

AS(NS) 19/4
 D OF O 20/4
 DCNS 21/4
 1NM B.7/4
 2NM 24/4
 3NM 25/5
 4NM 26/5
 SEC 27/5
 FAS(EG) 28/5
 FAS(FM)
 D OF S 29/5
 DPR 30/5
 AS(NS) (N5) 31/5
 Registrar

~~D of P D/D of P(A) DGFE DTWP D of C DNAP DSMP CONS DNI)Separate
 HPB DCNP DOA DMT DDM DPS DFSD DNR DNES D of R ACDC PNA)Report
 ACMD DMED ACTP DWE PEE MDG DSAP(M) AS(NS)(N5) Registrar)Circulating~~

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- (B) On this file comments should be brief; if any matter requires comprehensive treatment, reference to another Branch, or approval of a Board Member, a new file should be raised, cross-referenced to this one.

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17 APR 1968
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COMMONWEALTH OF AUSTRALIA



NAVY—CANBERRA		
18	206.	1264

REF. NO.

56/9/16

TELEPHONE: ~~39 1522~~ 39 1522

DEPARTMENT OF THE NAVY

P.O. Box 58

NAVAL STAFF OFFICE,
FREMANTLE, W.A. 6160

D 10 APR 1968

The Secretary,
Department of the Navy,
Navy Office,
CANBERRA. A.C.T. 2600

(Copy to: The Flag Officer Commanding, H.M. Australian Fleet)

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS

The attached report in duplicate, for the month of
March, 1968 is submitted.

NAVAL OFFICER-IN-CHARGE
WEST AUSTRALIA AREA

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RESTRICTED

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H.M.A.S. DIAMANTINA,
At Garden Island.
1 April, 1968.

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA:

(Copy to:- The Hydrographer, R.A.N.)

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS -
MARCH, 1968.

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship Under my command for the month of March, 1968.

2. At the beginning of the month DIAMANTINA was engaged in the second half of the Commonwealth Scientific and Industrial Research Organisation's Cruise 1/68 off the central West Australian coast, details of which were reported in my Report of Proceedings for the month of February, 1968.

Sea conditions were such to preclude the adherence to the plan laid down but it was possible to complete all but four of the programmed stations in toto and the remainder partially.

The period to the 10th of the month was an extremely uncomfortable and trying period for the ship's company due to 65 mile trawls in beam seas, but all responded well, particularly in the preparation for your Annual Inspection, Sir.

The amount and quality of information gathered by the Cruise members of the Commonwealth Scientific and Industrial Research Organisation was very gratifying and will greatly assist the Fisheries Department in their endeavour to ascertain the extent of crayfish life off the West Australian coast and to predict future fishing seasons.

It is understood that the Commonwealth Scientific and Industrial Research Organisation wish to conduct a similar cruise in October and respective personnel have been asked to take seasonal weather conditions into consideration in future planning.

Some light superficial damage was incurred by seas during the cruise but this was subsequently rectified during the short self maintenance period in Fremantle.

3. At 0845H on Sunday 10th H.M.A.S. DIAMANTINA entered Fremantle harbour and after turning, berthed port side to at A shed Victoria Quay at 0905H. Fuel was embarked on securing.

4. At 0900H on Monday 11th, I called on you sir.

5. All Commonwealth Scientific and Industrial Research Organisation personnel and equipment were disembarked on Monday 11th.

6. Departmental Inspections associated with the ship's annual Inspection were conducted on Tuesday 12th and Wednesday 13th.

RESTRICTED

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7. At 0900H on Tuesday 14th you Sir, embarked to carry out your annual inspection of H.M.A. Ship under my command and after inspecting the guard and ship's company at Divisions proceeded with Upper Deck, Messdeck and Engine Room Inspections.
At 1225H you disembarked for H.M.A.S. LEEUWIN.
8. Members of the Horace Lamb Institute of the Flinders University of South Australia embarked with their equipment on Friday 15th in preparation for their cruise en route to Sydney, N.S.W.
9. At 1615H on Sunday 17th U.S.S. MILLS, Commander J.A. Felt, USN entered Fremantle harbour and berthed starboard side to at H shed, Victoria Quay.
10. On Monday 18th at 0820H you Sir, embarked to carry out your sea inspection.
11. At 0830H H.M.A.S. DIAMANTINA cast off and proceeded, clearing harbour at 0840H. Passage was made through the south channel, south of Rottnest Island at 0920H and course set for Bunbury.
12. As a courtesy gesture, the Bunbury Harbourmaster, Captain C.R.S. ALLSOP, embarked at 1540H for the passage into Bunbury harbour.
13. Bunbury harbour was entered at 1550H and DIAMANTINA berthed starboard side to at No. 3 berth east jetty at 1555H. At 1600H you disembarked, Sir.
14. I called officially on the Mayor of Bunbury, Dr. E.C. MANEA, JP, at 1635H and was received most cordially.
15. The Ship's Hockey Team played the Bunbury Team at 1700H and were unfortunately defeated. It is of note that the team scored two goals against the home side which is one of the leading teams in W.A.
16. At 1830H my officers and myself entertained 42 guests at an official Cocktail Party onboard. Owing to the construction of the wharf not allowing a roadway, guests arrived in a specially provided train.
17. Thirty members of the Ship's Company embarked on a bus tour of the area surrounding Bunbury on Tuesday 19th and visited a Butter Factory at Boyanup, The Western Titanium Mine at Capel and an apple packing plant at Donnybrook. Luncheon was provided by the Donnybrook Shire Council, the majority of their members being present. It is understood that this is the first occasion on which the surrounding districts have been invited to assist in entertaining visiting ships and they certainly "rose to the occasion". A most enjoyable day was had by all participating members.
18. All ship's divers were fully exercised on Tuesday 19th.
19. At 1230H I had the honour of dining the Mayor of Bunbury and the Town Clerk @ Luncheon.
20. The ship's cricket team played the Mayors XI at 1300H and though DIAMANTINA was defeated a very pleasant afternoon and adjournment was experienced.
21. H.M.A.S. DIAMANTINA was open for public inspection from 1500 to 1700 and 150 people visited the ship.

RESTRICTED

RESTRICTED

3.

22. Accompanied by my officers and Chief and Petty Officers, I attended a Civic Reception given by the Town of Bunbury in the ship's honour at 2000H on Tuesday 19th.

23. Overall, the visit to Bunbury was very successful and enjoyable.

24. At 0830H on Wednesday 20th H.M.A.S. DIAMANTINA cast off and proceeded clearing harbour at 0852H. Course was set to clear Cape Naturalist which was rounded at 1129H.

25. After rounding Cape Leeuwin at 1600H the ship then proceeded in accordance with the plan for the Horace Lamb cruise.

Members of the Horace Lamb Institute are engaged on a large study of the dynamics of the Southern Ocean in the Great Australian Bight, and it was on this project that work was undertaken.

Water sampling to 4000 metres by means of Nansen bottles were made throughout to ascertain temperature salinity, nitrate and oxygen content which do indicate the movement of bodies of ocean water.

26. At 0830H on Friday 22nd H.M.A.S. DIAMANTINA chopped off the operational control of the Flag Officer Commanding, H.M. AUSTRALIAN FLEET.

27. Although the plan provided did programme for more work than there was time available, ideal sea conditions and excellent station work by the Horace Lamb members enabled all work to be completed as required and an additional station to be added. This Institute has made very good progress in their practical work since their initial cruise in March, 1967.

A total of 331 samples were obtained from 15 stations between 23rd March and the final station at 0445H on 27th March.

Some extra soundings were made for the Cruise Leader in a position 44°00'S 135°00'E, a position which was of particular interest to him.

28. Bass Strait was entered from the west at 1700K on 27th March and course set to clear Wilson's Promontory at 0212K on 28th March.

29. Passage was made coastal to Sydney and at 0850K on Friday 29th four runs were made over the measured distance off South Head to calibrate the log.

30. Sydney Harbour was entered at 1030K on Friday 29th and the ship berthed port side to at Fitting Out Wharf Garden Island at 1100K.

31. At 1145K I called on the Chief of Staff to the Flag Officer Commanding, H.M. AUSTRALIAN FLEET, Captain I.H. CARTWRIGHT, R.A.N.

32. At 1430K I called on the Flag Officer-in-Charge, EAST AUSTRALIA AREA Rear Admiral D.C. WELLS.

33. A conference was held onboard at 1500K on Friday 29th to discuss the fitting of Towflex, Towflex trials and the associated ship's programme with the Royal Australian Navy Experimental Laboratory personnel and representatives from the Acoustic Laboratories.

34. DIAMANTINA remained alongside in Sydney for the remainder of the month.

35. All Horace Lamb equipment was disembarked and C.S.I.R.O. and University of N.S.W. equipment embarked on Saturday 30th in preparation for the next cruise.

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36. With the exception of some short periods when the EDO/PDR sounder was unserviceable, soundings were made on all tracks throughout the month with good results. Sounding charts and records have been forwarded separately to the Hydrographer R.A.N.

37. The training of the Ordinary Seaman categories borne is progressing well and higher ranks training is well advanced. It is intended to arrange for a Promotion Board in Sydney in June, 1968.

38. Conditions onboard are maintained at the highest standard possible and are considered good for the class of ship. The appearance of the ship is average.

39. Other than some cases of gastric trouble and influenza as a result of the visit to Bunbury where the complaints were rife and some minor cuts and abrasions, the health of the ship's company is good.

40. Morale is good and conduct, with the exception of some of the new Ordinary Seamen has been good.

I have the honour to be,

Sir,

Your obedient servant,

Edward

(M. WARD)
LIEUTENANT COMMANDER, R.A.N.
CAPTAIN

Appendices.

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APPENDICES.

APPENDIX A.

Steaming.

Distance steamed during the month.	4347.0 nautical miles.
Hours underway during the month	448 52/60 hours.
Total distance steamed since commissioning	269,744.8 nautical miles
Total hours underway since commissioning	27,703 1/20 hours.

APPENDIX B.

Exercises.

Boarding Party muster 2	Pre wetting 1
Landing Party muster 1	Shelter Stations 1
Aft. DC Party exercise 1	Wear AGRs 1
Major NBCD Exercise 1	Steering Gear Breakdown 3
Action Stations 1	X.O. Con ship 1
Leaving ship stations 1	40/60 ROFX 1
Close down NBCD 1Z 1	Man overboard OOW recover 1
DC Communications ex. 1	Diving exercise 1
Seamex's 3	

APPENDIX C.

Officers.

Joined.

ASLT SLEX A.T. MORLING, R.A.N. from H.M.A.S. WATSON on 11 March.
LCDRRMSG R.F. GILL, R.A.N.R. from shore on 17 March, 1968
LEUT SLEX T.J.N. LONG, R.A.N.E.R. from shore on 17 March, 1968
LCDR RLEN G.E. YORK, R.A.N.E.R. from shore on 17 March, 1968.

Left.

SMIP SLEX R.C. JAMIESON, R.A.N. to H.M.A.S. SYDNEY on 15 March.
LCDR RMSG P.F. GILL, R.A.N.R. to shore on 31 March, 1968
LEUT SLEX T.J.N. Long, R.A.N.E.R. to shore on 30 March, 1968.
LCDR RLEN G.E. YORK, R.A.N.E.R. to shore on 30 March, 1968.

APPENDIX D.

Sporting.

Hockeys:- Bunbury defeated DIAMANTINA
Cricket:- Bunbury defeated DIAMANTINA
Australian Rules:- NIRMBA defeated DIAMANTINA

APPENDIX E.

Meteorological Observations.

A copy of the report to the Commonwealth Meteorological Bureau as required by Navy Office Letter 161/1/237 dated 19 February, 1968 is attached.

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Ref. No. 22/5.

H.M.A.S. DIAMANTINA,
At Garden Island.

1 April, 1968.

The Director,
Bureau of Meteorology,
P.O. Box 1289K
Melbourne VIC. 3001.

H.M.A.S. DIAMANTINA - RADIO SONDE OBSERVATIONS -
JANUARY - MARCH, 1968.

The following report of Radio Sonde Observations made by H.M.A.S. DIAMANTINA during the period 1 January - 31 March, 1968 is forwarded for information.

2. During the stated period there were 32 days on which ascents were made when the ship was at sea outside the range of coastal stations. A total of 34 ascents were attempted of which 32 were successful.

Ship movements were as follows:-

1 Jan - 5 Feb At Fremantle or within 100 nautical miles range of Perth.
5 Feb - 6 Feb Sonde Flights
7 Feb - 10 Feb At anchor Monte Bello Islands (Sonde operator not available)
11 Feb - 12 Feb Sonde Flights
13 Feb - 18 Feb At Fremantle
19 Feb - 26 Feb Sonde Flights
26 Feb - 27 Feb At Geraldton
28 Feb - 8 March Sonde Flights
9 March - 19 March Within range of and at Fremantle and Bunbury
20 March - 27 March Sonde Flights
28 March - 31 March Within 100 nautical miles of Coastal report station on East Coast.

3. In the period 5 February - 8 March only one ascent per day was made due to the unavailability of batteries from the Perth Weather Bureau. Before sailing for Sydney on 18 March sufficient batteries were provided to allow two ascents per day and these were subsequently made.

4. A routine inspection of the receiving equipment was made by Mr. C. Holman, Regional Maintenance Supervisor in W.A. in February. All equipments have operated satisfactorily during the period and other than the normal blowing of valves no defects have been found.

Howard

(M. WARD)
LIEUTENANT COMMANDER, R.A.N.
CAPTAIN

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DEPARTMENT OF THE NAVY

18/206/1292

MINUTE PAPER

APRIL 1968

HMAS DIAMANTINA

Report of proceedings

- ~~AS(NS)~~ 20/5
- ~~D OF O~~ 20/5
- ~~DCNS~~ 21/5
- ~~1NM~~ 22/5
- ~~2NM~~ 22/5
- ~~3NM~~ 24/5
- ~~4NM~~ 24/5 4NM AOD
- SEC
- FAS(EG) 5
- FAS(FM)
- ~~C OF S~~ 1/6
- ~~DER~~ 1/7
- ② AS(NS) (N5)
- ③ Registrar

~~D of P D/D of P(A) DGFE DTWP D of C DNAP DSMP CONS DNI)Separate
 HPB DCNP DOA DMT DDM DPS DFSD DNR DNES D of R ACDC PNA)Report
 ACMD DMED ACTP DWE PEE MDG DSAP(M) AS(NS)(N5) Registrar)Circulating~~

- NOTES: (A) This report should be dealt with and passed on promptly.
- (B) On this file comments should be brief; if any matter requires comprehensive treatment, reference to another Branch, or approval of a Board Member, a new file should be raised, cross-referenced to this one.

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2/20/5

14/24/5

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18 206.1292

COMMONWEALTH OF AUSTRALIA



REF. NO.

56/9/16

TELEPHONE:
~~XXXXXX~~
39.1522

DEPARTMENT OF THE NAVY

P.O. Box 58, NAVAL STAFF OFFICE,
FREMANTLE, W.A. 6160.

14 MAY 1968

The Secretary,
Department of the Navy,
Navy Office,
CANBERRA, A.C.T., 2600.

(Copy to: The Flag Officer Commanding, H.M. Australian Fleet,
Garden Island, SYDNEY, N.S.W.)

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS

The attached report is submitted in duplicate
for the month of April, 1968.

NAVAL OFFICER IN CHARGE
WEST AUSTRALIA AREA

Encl.

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DEPARTMENT OF THE NAVY

MINUTE PAPER

May, 1968

HMAS Diamantina

Report of proceedings

- AS(NS) *16/1/6*
- D OF O *24/6*
- DCNS *10/1*
- 1NM *10/1*
- 2NM *10/1*
- 3NM *10/1*
- 4NM *10/1*
- SEC
- FAS(EG) *10/1*
- FAS(FM)
- D OF S *10/1*
- DPR *10/1*
- AS(NS) (N5) *10/1*
- Registrar

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 HPB DCNP DOA DMT DDM DFC DFSD DAS DNR DNES D of R ACDC FNA)Report
 ACMD DMED ACTP DWE PEE MDG DSAP(M) DNS DMS D of S(A))Circulating
 D of V AS(NS)(N5) Registrar~~

- NOTES: (A) This report should be dealt with and passed on promptly.
- (B) On this file comments should be brief; if any matter requires comprehensive treatment, reference to another Branch, or approval of a Board Member, a new file should be raised, cross-referenced to this one.

Passing letter - wrong month.

5/8/7

16/27/6

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18. (Continued)

Unfortunately at 0338 on Thursday 24th the cable parted and 4,500 feet was found to be missing on recovery. After a search back along the ship's track the cable was located at 0520 and recovery commenced. On completion at 0625 course was set for Sydney.

19. HMAS DIAMANTINA entered Sydney Heads at 0800 and berthed port side to on HMAS VAMPIRE at south end Cruiser Wharf, Garden Island at 0830 on Thursday 25th. The cable was landed to the wharf and leave granted to the ship's company at 1000.

20. Members of the Royal Australian Navy Experimental Laboratory embarked their equipment for their cruise whilst the ship was alongside.

21. At 0830 on Friday 26th HMAS DIAMANTINA cast off and proceeded to No. 5 buoy securing at 0846. After embarking ammunition, the ship slipped and proceeded clearing harbour at 0945.

22. Course was set to approximate to 2,000 fathom line to the Coral Sea and pass between Wreck Reef and Saumarez Reef, thence to Cairns Queensland.

The Royal Australian Navy Experimental Laboratory Tofflex is similar in principle to the B.M.R. array but it is being developed to assess the potential of such equipment in operational and research roles. The equipment is a complete system which includes a powered winch for streaming and recovery.

Ideal weather conditions persisted and no troubles were experienced in the handling and functioning of the equipment from the time it was streamed on 26th April to the end of the month.

Some engineering design faults were evident in the construction of the winch and these were brought to the notice of R.A.N.E.L. personnel.

23. Continuous Ocean bottom soundings were made when at sea and the information was subsequently plotted for presentation to the Hydrographer. All equipment worked well.

24. Radio Sonda flights were made when out of range of shore stations and regular meteorological reports forwarded.

25. Except for the period in Sydney, daily training classes for all Ordinary Seamen Various continued and good progress was made. Training should be completed by the beginning of June when the ship returns to Sydney.

26. Aside from the shortcomings of an old vessel, conditions onboard are very good and well maintained. The appearance of the ship is good.

27. The health of the ship's company is good but of late there has been a spate of cuts and bruises amongst the sailors. The necessity for care and caution has been emphasised. A Medical Officer has been temporarily posted to the ship and all inoculations are up to date.

28. Morale is good and conduct is satisfactory.

I have the honour to be

Sir

Your obedient servant

M Ward
(M. WARD)

LIEUTENANT COMMANDER RAN
CAPTAIN

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APPENDICES

APPENDIX A.

STEAMING

Distance steamed during the month.	3282.0 miles
Hours underway during the month.	319 hours
Total distance steamed since commissioning.	273,036.8 miles
Total hours underway since commissioning.	28022

EXERCISES

APPENDIX B.

Steering gear breakdown	3.	40/60 Shoot	2.
Seaboats	1.	Seamex	3.
Small arms shoot	1.	Diving	2.

APPENDIX G.

Officers:

Joined:

LEUT PSEK B.J. DALY R/N from HMAS ALBATROSS 22nd April, 1968
 LEUT SSG P.D. ANDERSON RAN from HMAS GERBERUS 25th April, 1968.

Left:

LEUT BLEX R. STRUDWICH RANR: to shore 14th April, 1968.

APPENDIX D.

Sporting

Mess Deck Quiz

Inter Messes Euchre, Chess and Bridge, competitions.

Australian Rules

HMAS NERIMBA	Defeated	HMAS DIAMANTINA
(9 - 22, 76 points.		3 - 7, 28 points.

Euchre?

Rugby League

HMAS STALWART	Defeated	DESTROYERS/FRIGATES
16.		3.
HMAS DUCHESS	Defeated	HMAS DIAMANTINA
21.		11.

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HMAS DIAMANTINA
at Sea

1st May, 1968

**The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.**

(Copy to: The Hydrographer, RAN.)

HMAS DIAMANTINA - REPORT OF PROCEEDINGS - APRIL, 1968
ALL TIMES KLIO (ZONE - 10)

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship under my command for the month of April, 1968.

2. At the beginning of the month HMAS DIAMANTINA was berthed at Garden Island in Sydney embarking equipment for the Commonwealth Scientific and Industrial Research Organisation and University of New South Wales in preparation for cruise DM 4/68.

3. On Monday 1st at 0930 I called on the Hydrographer, RAN, Captain A.H. COOPER. At 1400 I called on the Flag Officer Commanding, HM Australian Fleet, Rear Admiral G.J.B. GRABB.

4. At 1145 on Tuesday 2nd HMAS DIAMANTINA cast off and proceeded for cruise 4/68 clearing Sydney Heads at 1215. The purpose of the cruise led by Mr. B. HANON of the Commonwealth Scientific and Industrial Research Organisation was to study the dynamics of the Tasman sea, continue the study of the East Australian current, collect crayfish and prawn larvae samples and to conduct a magnetic survey of the N.S.W. and Queensland coasts between latitudes 33°S and 26°S to a depth of 220 miles to seawards. Hydrological stations (bottle sampling), trawls and magnetometer tows were conducted on east-west traverses as the ship gradually progressed northward. Ideal weather and sea conditions enabled all work to proceed smoothly and the maximum amount of information possible was obtained. The final hydrological station was made at 0605 on Monday 8th.

On completion course was set for Sydney to cross all the western extremities of the traverses to confirm magnetic readings.

5. At 1030 on Saturday 7th a voluntary small arms shoot was carried out by 35 members of the ship's company with good results.

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6. On Monday 8th at 1430 a 40/60 surface shoot using a 44 gallon drum as a target was conducted. Accuracy was extremely good although no direct hits were recorded.
7. All Ordinary Seamen Gunnery categories were exercised in the use of and fired the 40/60 on Tuesday 9th.
8. At 0826 on Wednesday 10th HMAS DIAMANTINA entered Sydney Heads and berthed at the south end of Fitting Out Wharf at Garden Island at 0900.
9. Ship's divers were exercised on Wednesday 10th and Thursday 11th.
10. The period 11th April to 23rd April was spent alongside in Sydney carrying out Self Maintenance, fitting Royal Australian Navy Experimental Laboratory towed acoustic equipment (TOWFLIX) and embarking a similar array for trial for the Bureau of Mineral Resources of the Department of National Development.
The Easter break in Sydney was a good period for the ship's company and all turned to in the following days with a stout heart. The ship was virtually painted overall and the result is a credit to their efforts.
11. At 0900 on Wednesday 17th the Flag Officer Commanding, HM Australian Fleet returned my call and inspected the ship. Rear Admiral CRABB departed at 0950.
12. On Sunday 21st the ship was dressed overall on the occasion of the celebration of Her Majesty, the Queen's birthday.
13. The Towed Acoustic array of the Bureau of Mineral Resources was embarked on Sunday 21st and flaked out on the port side of the ship in preparation for trials.
14. At 1140 on Monday 22nd the Flag Officer-in-Charge, East Australia Area, Rear Admiral D.C. WELLS returned my call and walked around the ship commenting very favourably on the state of cleanliness and the overall condition. F.O.I.C.E.A. departed at 1215.
15. The ship was dressed with masthead flags from 1200 to 1215 on Monday 22nd while a salute in honour of Her Majesty the Queen's birthday was fired from Mrs Macquarie's chair in the Domain.
16. At 0915 on Wednesday 24th, the Minister for the Navy, The Honourable C.R. KELLY, paid an informal visit to the ship and after meeting the Officers and walking round, departed at 0940.
17. Dockyard work on the installation of Royal Australian Navy Experimental Laboratory Towflex equipment was completed at 1330 on Wednesday 24th and HMAS DIAMANTINA cast off and proceeded at 1333.
18. After clearing Sydney Heads, the B.M.R. array, which was 6,000 feet long and up to 4 inches in diameter was streamed astern and trials commenced.
The array, which is a simple system of hydrophones is being developed to assist in geophysical survey work and when perfected will allow single ship seismic sounding as against the requirement for two ships at present.
Normally the cable would be fitted on a winch drum but on this occasion the equipment was completely manhandled by the ship's company. Due to buoyancy faults the cable had to be recovered and streamed on numerous occasions and it proved a very hard and trying afternoon and night for all seamen borne.

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56/9/16



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INDEX ON
20/6/68

TELEPHONE: 39 1522

DEPARTMENT OF THE NAVY

Box 58, P.O. NAVAL STAFF OFFICE, FREMANTLE, W.A. 6160.

18 JUN 1968

The Secretary,
Department of the Navy,
Navy Office,
CANBERRA. A.C.T. 2600.

(Copy to : The Flag Officer Commanding, H.M. Australian Fleet,
Garden Island, Sydney. N.S.W.)

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS.

The attached report is submitted in duplicate
for the month of April, 1968.

MAY

NAVAL OFFICER-IN-CHARGE
WEST AUSTRALIA AREA.

Encl.

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01/1

HMAS DIAMANTINA,
at Sydney.

1st June, 1968

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA

(Copy to: The Hydrographer, RAN,
Garden Island.)

HMAS DIAMANTINA - REPORT OF PROCEEDINGS - MAY 1968

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship under my command for the month of May, 1968.

2. At the beginning of the month DIAMANTINA was engaged in carrying out trials for the Royal Australian Navy Experimental Laboratory on towflex equipment whilst en route from Sydney to Cairns.

The trials proved most satisfactory and at 1230K on Wednesday 1st the towflex was recovered. The equipment will remain embarked and further trials will be conducted in August of this year.

3. Grafton passage was entered at 1330K on Wednesday 1st from the east and passage made to Green Island where the ship anchored in 12 fathoms of water in position 312° Green Island 1.1 miles at 1530K.

4. Anchor was weighed at 0700K on ~~Thursday~~ 2nd and HMAS DIAMANTINA proceeded to Cairns, Queensland. The Entrance Channel was entered at 0805K and after turning in the harbour abreast the Sugar Terminal the ship berthed port side to at No. 10 berth at 0900K. Fuelling was commenced immediately.

The Naval Agent, the Sub-Collector of Customs, Mr. A.A. PRYKE, embarked and outlined the arrangements for the visit, all of which were very capably handled.

5. At 1100K on Thursday 2nd I called on the ^{HIS WORSHIP THE} Worshipful Mayor of Cairns, Mr. C.G. PENRIDGE and was received most cordially.

6. After completion of fuelling HMAS DIAMANTINA cast off from No. 10 berth at 1120K and berthed port side to at No. 3 berth at 1148K.

7. At 1830K on Thursday thirty four guests including Mr. R. JONES M.L.A. and the Mayor, were entertained at an Official Cocktail Party onboard.

8. On Friday 3rd I called on the Harbourmaster, Captain J. BARNES and the Secretary of the Cairns Harbour Board, Mr. J. WYER.

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9. Royal Australian Navy Experimental Laboratory personnel who had conducted the towflex trials disembarked on Friday and personnel for the Hydrological and Acoustic cruise to Noumea and Sydney joined.
10. The ship was open for inspection by the public from 1400K to 1700K on Friday 3rd and 133 persons availed themselves of the opportunity.
11. During the visit, two ship teams played a game of Australian Rules football at North Cairns Oval; thirty members of the ship's company went on a day tour of the Atherton Tableland and surrounding districts and the ship's Basket Ball team had a good match against the Cairns "Rockets" but were narrowly defeated.
12. After embarking 31 Sea Cadets and their Officers from T.S Endeavour, HMAS DIAMANTINA cast off and proceeded from Cairns at 0900K on Saturday 4th.
13. The Sea Cadets were disembarked to the Pilot Launch after clearing the Channel at 0955K.
14. Grafton passage was entered from the west at 1120K on Saturday 4th and cleared at 1200K. Course was set for the first Hydrological station in position $13^{\circ}30'S$, $149^{\circ}30'E$.
15. Bougainville Reef was approached from the south west at 1835K on Saturday 4th. The large southernmost wreck appears to be still in good condition and provides both a very good visual and radar target.
16. On this cruise, the Royal Australian Navy Experimental Laboratory's aim was to collect oceanographic data and to conduct acoustic experiments in predetermined positions and at set times.
The track followed was a series of traverses along latitudes $12^{\circ}S$, $13^{\circ}30'S$, $15^{\circ}S$, $16^{\circ}30'S$, $18^{\circ}S$ and between longitudes $149^{\circ}30'E$ and $161^{\circ}30'E$.
Hydrological stations were conducted at 90 mile intervals to a depth of 2,000 mtrs to ascertain temperature, salinity and dissolved oxygen content.
Acoustic measurements were made of bottom reverberation, bottom reflectivity, volume reverberation ambient sea noise and propagation. Half hour acoustic stations were occupied every second hydrological station and a two hour station conducted daily over the sunset period.
17. At 0330K on Sunday 5th May clocks were advanced one hour to Zone L (-11).
18. On Tuesday 7th A BAR check on all echo sounding equipment was carried out with satisfactory results.
19. At 1400L on Wednesday 8th a 40/60 surface shoot was conducted. All QMG Able Ranks were exercised in the position of aimer. Generally results were very good. A small arms shoot was carried out on completion of 40/60 firings.
20. On Thursday 9th at 1430L a major NBCD Exercise was conducted and the response shown by all members and the Damage Control parties was very satisfactory.
21. In conjunction with an Royal Australian Air Force Long Range Maritime Patrol aircraft from Townsville, Queensland, an acoustic propagation experiment was conducted in position $156^{\circ}40'E$ $15^{\circ}S$ between 1100L and 1500L on Sunday 12th.

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Paragraph 21 Continued.

The long range trial proved very satisfactory and the assistance given by the aircraft was of a high standard.

22. From the first station on 5th May to the final station on the first part of the cruise on 14th May all work progressed well and the results achieved by the scientific personnel onboard met with their highest expectations.

23. On Wednesday 15th May, the ship's company were addressed on all aspects of security with particular emphasis on the visit to Noumea.

24. AMELEEE Light was raised at 0440L on Thursday 16th.

25. After embarking a compulsory Pilot, Bulari passage was entered at 0700L and cleared at 0715L on Thursday 16th.

26. Passage was made inside the reef to BAIE DES DAMES, 2½ miles north west of Noumea, the only oil fuel installation in the port.

Arrangements had been made for the ship to fuel alongside a small jetty but as the recorded depths showed inadequate water available, it was decided to moor at head and stern buoys and one anchor in the oil tanker berth and fuel from a bottom pipe line. The Pilot maintained that there was enough water at the jetty but the reported clearance of 6" at high water was considered unsuitable.

After securing to the buoys and bringing the connections inboard by means of the capstan, fuelling commenced at 1100L.

27. At 0910L the Australian Consul, Mr. A.C.F. WILSON and the French Naval Liaison Officer, Hydrographic Engineer CAILLIAU boarded and presented the arrangements for the visit.

28. At 0930L I landed with the Consul in the Admiral's barge to pay Official calls in Noumea.

29. Accompanied by the Consul I paid Official calls to the following at:-

1000L French Commander in Chief Pacific, Vice Admiral GOUTTIER.

1015L Officer Commanding the Navy and Fleet Air Arm in New Caledonia, Commander BEAU.

1030L High Commissioner in the Pacific and Governor of New Caledonia, Mr. RISTERUCCI.

1045L Chief of Staff to the General Commanding the Pacific Group, Lieutenant Colonel KNELL WOLF.

1100L The Mayor of Noumea, Mr. Roger LAROQUE.

30. The Consul returned to the ship with me and remained for luncheon.

31. Fuelling completed at 1340L and after disengaging the gear, HMAS DIAMANTINA slipped and weighed at 1420L and proceeded to Noumea, without a Pilot.

32. It was subsequently ascertained that a survey of the fuel jetty area had recently been completed but that no data on the depths or the incidence of silting was yet ready for report. It is recommended that any vessel larger than Minesweepers proceed to the oil tanker berth (buoys) until reliable sounding information is available.

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33. After passing south west of ~~Bar~~ Island, Noumea harbour was entered at 1525L and after transiting the western channel and turning HMAS DIAMANTINA berthed port side to at No. 1 berth at 1534L.
34. Return calls were made as follows:-
- 1550L Mr. COLONNA, Permanent Head of the High Commissioners Department, representing the High Commissioner.
 - 1600L Vice Admiral GOUTTIER.
 - 1610L Major FARDEAU, representing the General Commanding the Pacific Group.
 - 1620L Commander BEAU.
 - 1630L Dr. FERRON, Deputy Mayor representing the Mayor.
35. I was received very well on all my calls and all return calls were received in due form.
36. Some difficulty was experienced in obtaining local currency due to a marked reluctance to accept Australian 10 (ten) dollar notes. A Bill of Exchange was drawn up but even this was only accepted after two hours negotiation.
37. At 1830L an Official Cocktail Party was held onboard and was attended by forty two guests including the High Commissioner and Madame RISTERUCCI, The President of the Territorial Assembly and Madame OHLEN, the Mayor, Vice Admiral and Madame GOUTTIER, The Secretary General of the South Pacific Commission and Lady BELL and foreign Consuls and local dignitaries. Friendly relations were quickly established.
38. On Friday 17th all ship's divers were exercised and employed to investigate the Chernikeef log which had become jammed in the extended position. A large piece of wood was found jammed in the impellor and it was removed. Some damage to the log had been caused and it was beyond the capacity of ship's staff to rectify. The defect will be attended to in Sydney on the ship's return.
39. A party of the ship's company were taken on an excellent fishing trip by a local Australian, Mr. Des WOODLEY on the 17th and had a very enjoyable time.
40. Accompanied by my Officers and Chief Petty Officers I attended a Cocktail Party given by the Australian Consul at his residence in honour of our visit at 1830L on Friday 17th.
41. I had the honour to dine at Admiralty House with Vice Admiral and Madame GOUTTIER at 2000L.
42. Ship's divers were again exercised on Saturday 18th and the ship was open to the public for inspection from 1430L till 1700L.
43. Accompanied by four of my Officers I was the guest of Sir GAWAIN and Lady BELL at a Ball given at the South Pacific Commission at 2130L on Saturday 18th.
44. On Sunday 19th a ship's Rugby Union team played a local team at the Nickel Society Refinery grounds at 0930L. It was a good game although the locals ran out easy winners because of their stamina rather than their prowess.

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45. At 0815L on Monday 20th I called on the Harbourmaster, Captain, MORIN and thanked him for the berth and facilities. Eventhough the port was overcrowded during our stay the effort was made to ensure our good berth at the main wharf.

46. HMAS DIAMANTINA cast off and proceeded at 0900L on Monday 20th and cleared harbour at 0919L. A Pilot was not embarked.

47. Bulari passage was entered at 1013L and cleared at 1025L and the ship proceeded for the second half of the Royal Australian Navy Experimental Laboratory cruise en route for Sydney.

48. The visit to Noumea proved to be most successful and helpful to improve French - Australian relations which according to local reports were flagging. The local white populace made great efforts to create a friendly atmosphere.

The arrangements and facilities provided by the French Navy were most adequate and cheerfully given and the efforts of the Australian Consul and his staff to make the visit a success were highly commendable.

A separate, more detailed, report of the visit has been forwarded to Navy Office.

49. Hydrological and Acoustic stations were recommenced on Tuesday 21st and continued along the ship's track in the general direction of the Willis Island group. The final acoustic station was conducted in position $16^{\circ}08'S$, $150^{\circ}32'E$ at 1830L on Saturday 25th and the final hydrological station in position $16^{\circ}30'S$, $151^{\circ}00'E$ at 2245L.

Over the whole cruise, thirty five hydrological stations were occupied and Eight hundred samples taken and thirty-one acoustic stations occupied involving the use of Seven hundred separate charges. The ship's demolition officer and team did very well.

The records and information obtained by the Royal Australian Navy Experimental Laboratory personnel was most pleasing and the aim of the cruise was fully achieved.

50. At 1330L on Friday 24th two ORD Seamen Gunnery Crews carried out 40/60 firings and performed credibly. ?

51. Sovereignty visits were made to the four islands in the Diamond Island group, Tregrosse reefs and Magdelene Cays on Sunday 26th and Monday 27th. A separate report has been forwarded.

52. The ship passed between East Diamond Island and Lihou reef at 1630L on Monday 27th and course was set for passage to Sydney. Clocks were retarded one hour at 1830L to zone K(-10)

53. Indian Head on Fraser Island was raised at 0705K on Wednesday 29th.

54. A quarterly Full Power Trial was conducted at 1345K on Wednesday 29th while on passage to the south and all machinery operated satisfactorily.

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- 6 -

55. The training of Ordinary Seamen progressed well during the month and all, except two who were at HMAS Penguin passed their final sea test with quite good results. Academically and practically, the group has been slightly above average but the conduct of some has left room for vast improvement. It has been difficult to train them to the desired standard of kit upkeep and maintenance.

56. Higher Ranks training has been conducted regularly in preparation for the Promotion Board to be held in Sydney on 4th and 5th June.

57. After passage down the East coast DIAMANTINA entered Sydney Harbour at 0832K on Friday 31st and berthed portside to at Cruiser Wharf Garden Island at 0900K. The ship reverted to 48 hours Notice for Steam.

58. Preparations were made for the Long Self Maintenance Period and to despatch members of the ship's company on seasonal leave.

59. At 1130K on Friday 31st I called on the Chief of Staff to the Flag Officer Commanding H.M. Australian Fleet Captain I.H.S. CARTWRIGHT R.A.N.

60. For the majority of the month, the ship steamed in unsounded and badly charted waters and the continuous record of depths made will be of good value.

61. Radio Sonda ascents were made twice daily and six hourly weather reports forwarded to the Commonwealth Meteorological Bureau. All equipment worked well but some failures were experienced with balloons bursting at low altitudes.

62. May was a very busy month for the ship and a total of 5871.0 miles was steamed at an average speed of 10.2 knots. Good weather was experienced throughout and made achievement of all tasks possible.

63. Conditions on board are good for the class of ship and are particularly clean. It is of note that no vermin have been detected since the Refit in December/January.

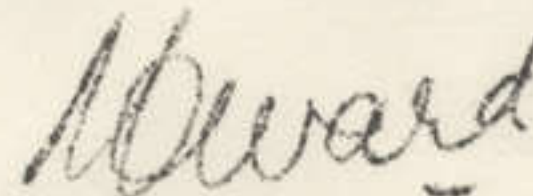
64. The appearance of the ship is good although the condition of the decks is always one to cause frustration. It is hoped to vacublast and metal spray a lot of the unpickled steel during the Long Self Maintenance Period.

65. The health of the ship's company is excellent, morale is high and conduct has been satisfactory.

I have the honour to be,

Sir,

Your obedient servant.



(M. WARD)
LIEUTENANT COMMANDER, R.A.N.
CAPTAIN

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APPENDICES

APPENDIX A

Steaming

Distance steamed during the month	5871.0 Miles
Hours underway during the month	571.54/60 hours
Total distance steamed since commissioning	278,907.8 miles
Total hours underway since commissioning	28594 34/60 hours

APPENDIX B

Exercises

X.O. Con ship 2	Action stations 1
40/60 shoot 2	Leaving Ship Stations 1
Small arms shoot 2	Diving Exercise 3
NBCDX 1	Seamex 4
D.C. Comms Exercise 1	Demilitations 34
NBCD State 1 Condition ZA 1	
Steering Gear Breakdown 1	

APPENDIX C

Officers

Joined	-	NIL
Left	-	NIL

APPENDIX D

Sporting

2 May	Australian Rules	Engineers 14-9 defeated Seamen 7-6
3 May	Basketball	Rockets defeated Ship 48 to 46
19 May	Union	Nickel (Noumea) defeated Ship 31-5

In addition, good use was made of the Bosun dinghies carried at every available opportunity.

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18/206/1362

DEPARTMENT OF THE NAVY

MINUTE PAPER

JUNE 1968

HMAS DIAMANTINA

Report of proceedings

AS(NS) *19/7*
 D OF *22/7*
 DCNS *22/7*
 LNM *22/7*
 2NM *27/8*
 3NM *27/8*
 4NM *29/8*
 SEC *29/8*
 FAS(EG) *29/8*
 FAS(FM) *29/8*
 C OF S *29/8*
 DPR *29/8*
 AS(NS) (N5) *29/8*
 Registrar

~~DGOP D of P D/D of P(A) DGFE DTWP D of C DNAP JEMP CONS DNI)Separate
 HPB DCNP DOA DMT DDM DPA DFSD DAS DNR DNES D of R ACDC FNA)Report
 ACMD DMED ACTP DWE PEE MDG DSAP(M) DNS DMS D of S(A))Circulating
 D of V AS(NS)(N5) Registrar~~

- NOTES: (A) This report should be dealt with and passed on promptly.
- (B) On this file comments should be brief; if any matter requires comprehensive treatment, reference to another Branch, or approval of a Board Member, a new file should be raised, cross-referenced to this one.

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3/25/7

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COMMONWEALTH OF AUSTRALIA



18/206/1362

REF. NO.
56/9/16

ASMS
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68

TELEPHONE:
39-1521

DEPARTMENT OF THE NAVY

NAVAL STAFF OFFICE,
FREMANTLE, W.A.

H.M..A.S. DIAMANTINA
at GARDEN ISLAND.
9th July, 1968.

Naval Officer-in-Charge,
WEST AUSTRALIA AREA.

(Copy to : The Hydrographer, R.A.N., GARDEN ISLAND).

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS - JUNE, 1968.

Reference : My letter 01/3 dated 1 July, 1968.

Enclosure : My letter 22/5 dated 8 July, 1968.

The enclosed report of Radio Sonde Observations
is forwarded in accordance with Appendix E of the reference.

(Sgd) M. WARD.
LIEUTENANT COMMANDER, R.A.N.
CAPTAIN.

11.

22 JUL 1968

The Secretary,
Department of the Navy,
Navy Office,
CANBERRA.

(Copy to : Flag Officer Commanding, H.M. Australian Fleet).

H.M.A.S. DIAMANTINA.

Reference : N.O.I.C. W.A. letter 59/9/16 dated 16th July,
1968.

Forwarded.

AS(MS) 24
7

NAVAL OFFICER-IN-CHARGE.
WEST AUSTRALIA AREA.

TELEPHONE:

REF. No. 22/5

H .M.A.S. DIAMANTINA

at GARDEN ISLAND.

8 July, 1968.

The Director,
Bureau of Meteorology,
P.O. Box 1289K
MELBOURNE VIC. 3001

H.M.A.S. DIAMANTINA - RADIO SONDE OBSERVATIONS - APRIL - JUNE 1968

The following report of Radio Sonde Observations made by H.M.A.S. DIAMANTINA during period 1st April - 30th June, 1968 is forwarded for information.

2. During the stated period there were 30 days on which ascents could have been made when the ship was outside the range of coastal stations. A total of 48 ascents were attempted of which 41 were successful. The ship's movements were as follows:-

1st April	At Sydney
2nd April - 8th April	Sonde Flights
9th April - 25th April	At Sydney
26th April - 29th April	Sonde Flights
30th April - 3rd May	At Cairns
4th May - 14th May	Sonde Flights
15th May - 19th May	At Noumea
20th May - 24th May	Sonde Flights
25th May - 26th May	Within range Willis Island
27th May	Sonde Flights
28th May - 31st May	Negative hydrogen
31st May - 30th June	L.S.M. Sydney

3. In the period 27th - 31st May no flights were carried out due to lack of hydrogen.

4. During refit period in Sydney, H.M.A.S. DIAMANTINA's 72 M/cs Radio Sonde equipment was replaced with 402 M/cs equipment. Successful test flights were carried out from the ship in Sydney Harbour after the change-over. The remainder of equipment was overhauled by Mr. T. Donald, R.M.O. Sydney. All equipments have operated satisfactorily during the period.

M Ward

(M. WARD)

LIEUTENANT COMMANDER, R.A.N.
CAPTAIN

RECEIVED
C 18 JUL 1968
NAVY REGISTRY

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NAVY - CANBERRA		
18	206	1362
REF. NO. 59/9/16		

COMMONWEALTH OF AUSTRALIA



TELEPHONE: 391522
391521

DEPARTMENT OF THE NAVY

P.O. Box 58,

NAVAL STAFF OFFICE,
FREMANTLE, W.A. 6160.

16 JUL 1968

The Secretary,
Department of the Navy,
Navy Office,
CANBERRA..A.C.T..2600.

(Copy to:- The Flag Officer Commanding, H.M. Australian Fleet,
Garden Island, Sydney. N.S.W.)

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS.

The attached report is submitted in duplicate for the
month of June, 1968.

NAVAL OFFICER-IN-CHARGE
WEST AUSTRALIA AREA

Encl.

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RESTRICTED

18/6/909

DEPARTMENT OF THE NAVY

MINUTE PAPER

July 1968
Report of proceedings

HMAS DIAMANTINA

AS(NS) 13/23/8

D OF O 24/8

DCNS 21/11

1NM 2/2/8

2NM 4/3/8

3NM 2/2/9

4NM 2/4/9

SEC 2/6

FAS(EG) 2/9

FAS(FM) 2/9

C OF S 10/9

DPH 21. 14/9

AS(NS) (N5) 10/9

~~Registrar~~

ARCHIVES BRANCH

~~DGOP D of P D/D of P(A) DGFE DTWP D of C DNAP DEMP CONS DNI)Separate
HPB DCNP DOA DMT DDM DPS DFSD DAS DNR DNES D of R ACDC FNA)Report
ACMD DMED ACTP DWE PEE MDG DSAP(M) DNS DMS D of S(A))Circulating
D of V AS(NS)(N5) Registrar~~

- NOTES: (A) This report should be dealt with and passed on promptly.
- (B) On this file comments should be brief; if any matter requires comprehensive treatment, reference to another Branch, or approval of a Board Member, a new file should be raised, cross-referenced to this one.

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13/24/8

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01/3

HMAS DIAMANTINA
at Sydney.

1 July, 1968.

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA

(Copy to: The Hydrographer, RAN
GARDEN ISLAND.)

HMAS DIAMANTINA - REPORT OF PROCEEDINGS - JUNE 1968

all times Kilo (-10)

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship under my command for the month of June 1968.

2. Throughout the month DIAMANTINA was berthed alongside at Cruiser Wharf Garden Island Sydney undergoing a Long Self Maintenance Period. All work was taken in hand early in the month and, with the exception of some minor Industrial trouble, work progressed satisfactorily.

3. On Sunday 2nd the Ship was dressed with masthead flags to commemorate the 15th Anniversary of the Coronation of Her Majesty Queen Elizabeth II.

4. On Tuesday 4th and Wednesday 5th members of the ship's company attended a Promotion Board conducted by HMAS Melbourne. All passed with good results.

5. At 0840 on Tuesday 4th HMAS Moresby berthed outboard where she remained for the rest of the month carrying out Self Maintenance.

6. The ship was dressed with masthead flags on Saturday 8th to commemorate the Official Birthday of Her Majesty Queen Elizabeth II and Commonwealth Day.

7. On Monday 10th the ship was again dressed with masthead flags to commemorate the birthday of His Royal Highness, the Prince Phillip, Duke of Edinburgh and to mark the Queen's Birthday and Commonwealth Day Public Holiday.

8. Whilst the ship was alongside, numerous postings in and out were effected and each watch of the ship's company was granted fourteen days seasonal leave.

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- 2 -

9. The Chief Staff Officer (Technical) to the Flag Officer Commanding H.M. Australian Fleet, Captain M.P. REED and members of his staff commenced a survey of the ship during the period to ascertain what works are required to maintain DIAMANTINA in Commission until 1972. No reports are as yet available.

10. On Thursday 27th and Friday 28th the Ordinary Seamen Various who joined the ship in January were despatched to leave and their new postings and over the same period 32 sailors ex Junior Recruit Training Establishment Leeuwin joined for Common Sea Training.

11. During the Long Self Maintenance Period much work was put in by the ship's staff on the upper deck and ship's side and valuable assistance was provided by members of the Fleet Maintenance Party to rectify ship staff defects, retille the bathrooms and replace tiles in messdecks.

Some inconvenience was experienced by having to use a mobile galley while Dockyard progressed work in the Ship's Galley.

12. The health of the Ship's Company has been good, morale is high and conduct has been satisfactory.

Conditions on board have deteriorated during the period but should come up to standard when the ship commences operating again. The appearance of the ship is fair.

I have the honour to be,

Sir,

Your obedient servant.

M Ward

(M. WARD)
LIEUTENANT COMMANDER, RAN
CAPTAIN

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APPENDICES

APPENDIX A

Steaming

Distance steamed during month	NIL
Hours underway during month	NIL
Total distance steamed since commissioning	278,907.8 n. miles
Total hours underway since commissioning	28594 34/60 hours

APPENDIX B

Exercises

Fire Practices 30.

APPENDIX C

Officers

Joined : SBLT SLEX J.H. GAULT from HMAS PERTH on 21st June 1968
Left : LEUT PSEX B.J. DALY to HMAS ALBATROSS on 22nd June 1968

APPENDIX D

Sporting

5th June	RUGBY	DIAMANTINA 8	PERTH 8
	SOCCER	WATSON/RUSHCUTTER 11	SMALL SHIPS 0
	AUST. RULES	WATSON/KUTTABUL 66	SMALL SHIPS 2
12th June	SOCCER	ALBATROSS 4	KUTTABUL/SUPPLY/STALWART/ DIAMANTINA 1
19th June	RUGBY	DIAMANTINA 11	YARRA 0
26th June	RUGBY	MELBOURNE 36	DIAMANTINA 3

APPENDIX E

Meteorology

Due to unavailability of information at present, the Meteorological Report will not be forwarded until 9th July 1968.

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NAVY—CANBERRA		
18	6	909.
REF. NO. 59/9/16		

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20 AUG A.M.
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COMMONWEALTH OF AUSTRALIA



DEPARTMENT OF THE NAVY

TELEPHONE:
39-1521
39 1522

REF. NO. 59/9/16

AS(NS)
16/8/68

18-206-1362

P.O. Box 58, NAVAL STAFF OFFICE,
FREMANTLE, W.A. 6160

19 6 AUG 1968

The Secretary,
Department of the Navy,
Navy Office,
CANBERRA. A.C.T. 2600

(Copy to:- The Flag Officer Commanding, H.M. Australian Fleet,
Garden Island, Sydney. N.S.W.)

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS

The attached report is submitted in duplicate for
the month of July, 1968.

NAVAL OFFICER IN CHARGE
WEST AUSTRALIA AREA.

Encl.

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HMAS DIAMANTINA,

at Sea.

1 August, 1968.

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.

(Copy to: The Hydrographer RAN,
GARDEN ISLAND.)

HMAS DIAMANTINA - REPORT OF PROCEEDINGS - JULY, 1968.

all times Kilo (zone -10)

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship under my command for the month of July, 1968.

2. At the beginning of the period, DIAMANTINA was berthed alongside Cruiser Wharf at Garden Island, Sydney, undergoing Long Self Maintenance. In addition to all programmed works, many other items were taken in hand by Dockyard Personnel and members of the Fleet Maintenance Party. All works were satisfactorily completed by Tuesday 9th. The ship's company worked well during the period and their efforts were very commendable.
3. At 1325 on Thursday 4th, HMAS MORESBY was shifted from outboard by tugs and at 1440 HMAS YARRA berthed alongside.
4. At 0930 on Friday 5th I called on the Flag Officer Commanding H.M. Australian Fleet Rear Admiral G.J.B. Crabb, C.B.E., D.S.C. and took my leave.
5. Basin trials were successfully conducted on Friday 5th and the ship came to 8 hours notice to steam.
6. At 0915 on Monday 8th HMAS YARRA cast off and proceeded to sea. At 1040 DIAMANTINA was shifted by tugs to West Dock Wharf where tests were carried out on the RAS high point.
7. On Tuesday 9th at 0900 HMAS DIAMANTINA cast off and proceeded to No. 5 buoy where ammunition was embarked for forthcoming Royal Australian Navy Experimental Laboratory trials. DIAMANTINA slipped from the buoy at 0945 and proceeded to the Degaussing Range in Rose Bay where 10 check runs were carried out. On completion, the ship proceeded to sea for a hydrological cruise involving Royal Australian Navy Experimental Laboratory and Commonwealth Scientific and Industrial Research Organisation personnel. Sydney Heads were cleared at 1205.
8. Course was set for the first station in position 29° 10'S 154° 00'E which was commenced at 1230 on Wednesday 10th. The purpose of the cruise was to study oceanographic data in the North Tasman and Coral seas and to complete a series of samples collected in May, 1968. Twenty four samples were taken on each station and these were analysed for temperature, salinity and dissolved oxygen content. All stations were

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conducted in an area broadly bounded by longitudes 153°E and 158°E and latitudes 29°S and 18°S.

9. Action gun's crew were drilled and exercised on Friday 12th and 40/60 check firings were successfully carried out subsequent to the Annual and Series Inspections of Ordnance being carried out during the Long Self Maintenance Period.

10. It had been planned to visit Mackay in Queensland on Tuesday 16th for fuel and stores, but because of fuel being unavailable at that time due to commercial shipping in the port, the visit was cancelled.

11. Originally it was intended to pay a sovereignty visit to West Diamond Island during the cruise, but due to the marginal fuel level, unsatisfactory sea conditions in the area and time involved, a landing was not made.

12. The cruise proceeded well and the final station was completed at 0448 on Sunday 21st in position 18°15'S 148°00'E. Overall, 42 stations were conducted and approximately 1000 separate samples made. The work involved was well and capably handled by the civilian personnel borne.

13. Grafton Passage was entered from seawards at 1433 on Sunday 21st, and the ship proceeded to Green Island coming to the starboard anchor in 12 fathoms of water in position 16°45'S 145°57'E at 1630.

14. Anchor was weighed at 0700 on Monday 22nd and course set for Cairns.

15. The Entrance Channel was entered at 0808 on Monday 22nd and Cairns Harbour at 0843. After turning in the stream abreast the Sugar Terminal, HMAS DIAMANTINA perthed port side to at the Naval Fuelling Berth (No.10) at 0900. Some difficulty was experienced in embarking fuel because of a breakdown in communications between the depot and fuelling point. A good rate of flow was not achieved until 1130 when communications were provided by the ship. Fuelling completed at 1410.

16. At 1045 on Wednesday 24th the ship was shifted by the aid of a tug to No.5 berth to make room for commercial shipping.

17. In the period alongside in Cairns scientific personnel completed their analysis and disembarked with all their equipment and returned to Sydney.

Sporting activities were arranged as were tours of the surrounding countryside.

18. On Friday 26th at 0900 HMAS DIAMANTINA cast off and proceeded to sea en route for Port Moresby. Trinity opening was entered at 1102 and cleared to seaward at 1246.

19. Port Moresby light was raised at 0520 on Sunday 28th and passage was made through the reef into Port Moresby harbour at 0825.

HMAS DIAMANTINA berthed alongside, port side to, the new Papua New Guinea Training Squadron wharf at 0901.

20. Conducted tours of the ship were provided for indigenes from local high schools on Sunday 28th and Monday 29th. The ship was open to inspection by the public from 1400 to 1630 on Sunday 28th.

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21. At 1000 on Monday 29th I called on the Assistant Administrator of the Territory of Papua New Guinea, Mr. L. Johnson.

At 1130 I called on the Acting Commander of the Papua New Guinea Command, Colonel J. Hearn.

22. During the visit to Port Moresby, ship's teams had three sporting fixtures with the Army P.N.G. Division and members of the ship's company toured the local war cemetery, the beginning of the Kokoda Trail and Sogeri rubber plantations.

23. At 0800 on Tuesday 30th DIAMANTINA cast off and proceeded, clearing harbour at 0830. Course was set for Rabaul.

The approaches to China Strait were entered at 2320 on Tuesday 30th and were cleared to the north east at 0445 on Wednesday 31st.

24. Throughout the month typical South East Trade conditions persisted with occasional showers. Sea conditions were such that some seamanship training, such as exercising seaboats, was precluded.

25. Radio Sonde ascents were made twice daily whilst at sea and routine meteorological reports were forwarded to the Commonwealth Meteorological Bureau.

26. Continuous soundings were made on all tracks and all equipment operated satisfactorily. Traces and plotted records will be forwarded separately to the Hydrographer Royal Australian Navy.

27. Training of the new group of Ordinary Seamen is progressing satisfactorily and preparation is being made for a Promotion Board for Higher Rank in October.

28. The 31 sailors who joined at the end of June ex Junior Recruit Training Establishment Leeuwin have settled in well and do appear to be a cut above those borne in the first half of 1968.

29. The health of the ship's company is good, morale is high and conduct has been satisfactory.

The appearance of the ship is fair and conditions on board are well presented and maintained.

I have the honour to be,

Sir,

Your obedient servant.



M. Ward

(M. WARD)
LIEUTENANT COMMANDER RAN
CAPTAIN

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APPENDICES

APPENDIX A

Steaming

Distance steamed during month:	4,133.4 n. miles
Hours underway during month:	386 hours
Total distance steamed since commissioning:	283,041.2 n. miles
Total hours underway since commissioning:	28,980.51 hours

APPENDIX B

Exercises:

Emergency Stations	1	40/60 Shoot	1
Leaving Ship Stations	1	Seamexs	4
N.B.C.D. 1Z	1		
Steering Gear Breakdown	3		
Diving Exercises	2		

APPENDIX C

Officers

Joined LEUT SSSG D.R. Candy from H.M.A.S. Leeuwin 8 July, 1968.

APPENDIX D

Sporting

Sydney 3 July Australian Rules PERTH 11.7 (73Pts) def. DIAMANTINA 4.6 (30Pts).
Soccer DIAMANTINA 6 def. YARRA 1.

Cairns 23 July Basketball Cairns 132 def. DIAMANTINA 42.
24 July Australian Rules Seamen 9.16 (70Pts) def. Engineering 1.3 (9Pts).

Port Moresby
28 July Rugby Murray Barracks 6 def. DIAMANTINA nil.
29 July Basketball Murray Barracks 38 def. DIAMANTINA 6.
Volleyball DIAMANTINA 2 def. Murray Barracks nil.

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18/6/985

DEPARTMENT OF THE NAVY
MINUTE

SEPTEMBER 1968

HMAS DIAMANTINA

Report of proceedings

AS(NS) 10/10

D of O 12/10

DCNS 17/10

1NM 18/10

2NM 19/10

3NM 18/10

4NM 21/10 for 4NM (AON)

SEG

FAS(EG) 10

FAS(FM)

C of S 22/10

4NM 24/10
DPR 29/10

AS(NS)(NS5) 11/11

ARCHIVES BRANCH

- NOTES: A. This report should be dealt with and passed on promptly.
 B. On this file comments should be brief; if any matter requires comprehensive treatment, reference to another Branch, or approval of a Board Member, a new file should be raised, cross-reference to this one.

DGOP	)	DPS	)	ACMD)
D of P	)	DNR	)	ACDC)
DAP	)	DNES	)	ACTP)
DGFE	)	DFSD	)	DWE)
DUW	)	MDG	)	DMED)
DNSD	)	DSAP(M)	)	PNA)
DSAW	)	DNS	)	PME)
D of C	)	DMS	)	PEE)
DNAP	)	D of S(A)	)	DSMR)
DNI	)	D of V	)	DSMP)
HPB)	ASNS(NS5))	CONS)
DCNP)	ARCHIVES BRANCH)	DNQA)
DOA))	D of R)
DMT))	DAS)
DDM))	ASNS(NS5))
				ARCHIVES BRANCH)

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3/14/10

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15/16

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9 OCT A.M.
NAVY REGISTRY

COMMONWEALTH OF AUSTRALIA



NAVY—CANBERRA
18 6 985

REF. NO.

TELEPHONE:
~~XXXX~~
39.1522

DEPARTMENT OF THE NAVY

P.O. Box 58

NAVAL STAFF OFFICE,
FREMANTLE, W.A. 6160

4 OCT 1968

The Secretary
Department of the Navy,
Navy Office,
CANBERRA, A.C.T. 2600.

(Copy to: Flag Officer Commanding H.M. Australian Fleet.)

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS SEPTEMBER, 1968.

The attached report is submitted in duplicate.

2. The report of propeller^e damage referred to in paragraph 4 has been forwarded separately, under cover of my letter 56/8/33 dated 3rd October, 1968.

NAVAL OFFICER IN CHARGE
WEST AUSTRALIA AREA.

Enc.

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RESTRICTED

01/3

H.M.A.S. DIAMANTINA,

at Fremantle.

1 October, 1968.

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.

(Copies to: The Commander, Far East Fleet
The Hydrographer, RAN, Garden Island).

H.M.A.S. DIAMANTINA -- REPORT OF PROCEEDINGS -- SEPTEMBER, 1968.

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship under my command for the month of September, 1968.

2. At the beginning of the month, DIAMANTINA was berthed in the Stores Basin at Singapore Naval Base completing a short Self Maintenance Period and preparing for the Oceanographic cruise Puccini V.

3. At 1000GH on Monday 2nd, the ship cast off and proceeded, clearing Singapore Naval Base at 1021GH. Passage was made down Johore Strait to Johore Shoal Buoy which was rounded at 1127GH. Course was set to clear Raffles Light to the west and to transit Singapore and Malacca Straits. Raffles Light was rounded at 1317GH and course set to the north west.

4. At approximately 1500GH on Monday 2nd, a large piece of metal was disposed of over the starboard side but it unfortunately came into contact with the starboard propeller damaging two blade tips. Divers were put into the water to investigate the damage which proved to be confined to the propeller. Subsequent investigations during the month revealed no abnormal wear to any shaft components and it was proposed to rectify the damage at the ship's Main Refit in November/December of this year. A separate report, my letter 19/16 dated 16th September, 1968, of the incident has been forwarded.

5. On Tuesday 3rd, the Japanese oil tanker Idemitsu Maru proceeding eastward, was passed one half mile on the starboard beam. Of 210,000 D.W.Tons and fully loaded, she made a very impressive sight. It is believed to be the largest vessel at present in service in the world.

6. The north west tip of Sumatra was cleared at 1200GH on Wednesday 4th and course was set for the first Puccini station to the south west.

Puccini V is part of an overall oceanographic programme titled Puccini conducted by the Royal Navy to study the dynamics of the North East Indian Ocean equatorial regions. Broadly, the area covered by the continuation survey was bounded by latitudes 5°00' north and 10°00' south and by longitudes 90°00' east and 105°00' east.

The main purposes of the cruise undertaken by DIAMANTINA was to study internal waves reported in the area, the study of sub surface counter currents, to obtain data for oceanographic atlases and to obtain bottom soundings.

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Station work was programmed to include:-

- (a) Salinity measurements.
- (b) Temperature depth measurements.
- (c) Bathymetry.
- (d) Transparency of water measurements.
- (e) Incidence of bioluminescence.
- (f) Deep scattering layer measurements.
- (g) Current observations and calculations.
- (h) Temperature/salinity bridge measurements.

Mr. A Folkhard, of the Ministry of Fisheries and Agriculture who had been seconded to the Hydrographer of the Navy, led the scientific team and was supported by Commander E.R. Whitmore, R.A.N. and a Leading Seaman and a Leading Airman Royal Navy who had been trained in the oceanographic field.

7. At 1815 on Wednesday 4th, clocks were retarded 30 minutes to zone Golf.
8. On Thursday 5th whilst the ship's divers were checking A bracket readings, a BAR check was carried out on all echo sounding equipments which were found correct.
9. The first hydrological station was commenced at 2110G on Thursday 5th in position $1^{\circ}30' N 90^{\circ}00' E$.
10. Throughout the period till the 16th of the month, the ship was predominantly operating in the Intertropical Convergence Zone and consequently weather conditions were extremely overcast and sultry although little rain was experienced. Seas were at all times confused and choppy and both southerly and westerly swells were apparent for the majority of the period. Winds varied considerably in strength but were predominantly south-south-easterly which was attributed to the overflow of the south east trades.
11. Station work progressed well on the first part of the cruise, 25 stations being completed before the ship proceeded to Penang.
12. Ship husbandry progressed well during the period although the upper deck rapidly deteriorated being almost continually wet. The increase in the number of Naval Shipwrights over the single one borne last year is paying good dividends and the large backlog of general maintenance is rapidly being whittled down. All watertight doors, hatches and scuttles have been re-rubbered in the past two months.
13. Broeh Lam Puyang Island was raised to the north east at 0410Z on Sunday 15th and Breueh Island Light was rounded at 0513G. Course was set to pass north of Pulo Perak en route to Penang.
14. Clocks were advanced 30 minutes at 1735G on Sunday 15th to zone Golf Hotel.
15. Penang harbour was entered at 0824GH on Monday 16th and the ship came to the port anchor in 11 fathoms of water in position 082 Fort Cornwallis 5.5 cables at 0900GH.
16. The Officer of the Guard, Lieutenant A. Wahid, Royal Malaysian Navy (Resident Naval Officer) called at 1000GH and outlined arrangements for the visit. Official calls were considered paid and returned.

Ship was provisioned and water embarked. No fuel could be provided by the contractors, Shell Oil Co. of Malaysia, as their lighter drivers were out on strike. Arrangements were made to fuel on Wednesday 18th at the ESSO fuelling berth when it would be vacant.

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17. Ship's divers again inspected the starboard shaft components and readings indicated no wear.

18. Forty five members of the Ship's Company embarked on a bus tour of Penang Island on the morning of Tuesday 17th and reported a very interesting forenoon.

In the afternoon, the ship's Australian rules football team played R.A.A.F. Butterworth and, considering their lack of training, did well to only go down by 10 points to the home team.

19. Anchor was weighed at 0640GH on Wednesday 18th and the ship proceeded to the ESSO fuel berth on the Butterworth side of the harbour. The ship berthed port side to at 0700GH. Fuelling commenced at 0740GH.

Fuelling completed at 1445GH and H.M.A.S. DIAMANTINA cast off and proceeded at 1500GH, clearing harbour at 1538GH. Course was set to the west to undertake the second half of Puccini.

20. The north west tip of Sumatra was cleared at 1552GH on Thursday 19th.

21. The opportunity was taken to run a line of soundings over the $9\frac{1}{2}$ fathom patch reported in position $05^{\circ} 49.3'N 94^{\circ} 50.4'E$ but the minimum depth recorded was 240 fathoms. The Commander, Far East Fleet was advised of this fact.

22. Hydrological stations were recommenced at 1510GH on Friday 20th in position $01^{\circ} 30'N 93^{\circ} 20'E$.

23. A 40/60 surface shoot was conducted at 1030GH on Saturday 21st with good results.

24. Puccini V stations were carried out until 1740GH on Wednesday 25th when the final station was conducted in position $06^{\circ} 31'S 103^{\circ} 34'E$.

Although quite a lot of difficulty was experienced with the unravelling and parting of some strands in the hydrological wire, it was possible to occupy all stations planned although casts were limited to 1200 metres on all but two of them. It was disappointing that the desired depths could not be achieved but the information gathered made the cruise worthwhile and satisfactory to cruise personnel.

Course was set for Fremantle at 1845GH.

25. Christmas Island was raised on the port bow at 1300G on Thursday 26th and dipped at 1800G.

26. It had been intended to investigate the Maria Augustina Bank in position $14^{\circ} 00'S 105^{\circ} 50'E$ whilst on passage, but prevailing weather conditions in the area were such as to make it imprudent.

27. Clocks were advanced 30 minutes at 0330GH on Friday 27th to zone Hotel.

28. At 1200G on Friday 27th H.M.A.S. DIAMANTINA chopped from the operational control of the Commander, Far East Fleet to the Naval Officer-in-Charge, West Australia Area.

29. The Houtman Abrohlos Islands were detected to the south east at 1840G on Monday 30th and the ship continued on passage to Fremantle.

30. From the 22nd till the end of the month, force 5 to 7 south easterly winds were experienced continuously and conditions were generally overcast.

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31. Throughout the month, soundings were made on all tracks made good using 771 and EDO equipment. The Precision Depth Recorder was still unserviceable and Dockyard assistance was requested for the short self maintenance period in Fremantle in October.
32. The Meteorological report for the quarter is attached as Appendix E.
33. During the month, the ship was underway for a period of 632.5 hours and steamed 7,486.6 miles. Both figures are a record since the ship recommissioned in June, 1959.
34. Training for the Promotion Board to be held on Monday 7th October at H.M.A.S. LEEUWIN progressed well during the month and the training of Ordinary Seaman categories is over 50% completed. Approximately half of them are still having difficulty in adjusting to life at sea, particularly where tidiness, cleanliness and general kit upkeep are concerned.
35. The health of the Ship's Company during the month was somewhat lower than the usual high standard due to 9 bad cases of Asian influenza. All responded well to treatment.
36. Conditions onboard are very good and the appearance of the ship is good considering its age and operational tasks.
37. The morale of the Ship's Company is high and behavior ashore during the month was excellent and that on board satisfactory.

I have the honour to be,

Sir,

Your obedient servant.

M. Ward

(M. WARD)
LIEUTENANT COMMANDER RAN
CAPTAIN.



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APPENDICES

APPENDIX A

Steaming

Miles steamed during the month	7,486.6 n. miles
Hours underway during month	632.5 hours
Miles steamed since commissioning	294,844.6 n. miles
Hours underway since commissioning	29,980.5 hours

APPENDIX B

Exercises

Diving	5
N.B.C.D.	1
Close down State 1Z	1
Action Stations	1
Leaving ship stations	1
Wear respirators	1
D.C. Comms Ex.	1
F'wd and Aft repair parties	1
Steering gear breakdown	2
40/60 drill	1
40/60 surface shoot	1
Layout RAS gear	1
Layout jackstay	1
Seamex	3

APPENDIX C

Officers

NIL

APPENDIX D

Sports

Australian Rules 17 September.

R.A.A.F. Butterworth 10 gls 19bhds defeated DIAMANTINA 10 gls 9 bhds.

APPENDIX E

Meteorology

attached.

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H.M.A.S. DIAMANTINA,
at Sea.

30 September, 1968.

The Director,
Bureau of Meteorology,
P.O. Box 1289K,
Melbourne, Victoria 3001.

H.M.A.S. DIAMANTINA - RADIOSONDE AND WEATHER OBSERVATIONS
QUARTER ENDED 30 SEPTEMBER, 1968.

The following report of Radio Sonde Observations made from H.M.A.S. DIAMANTINA during the period 1st July - 30th September, 1968 is forwarded.

2. During July and August ascents were attempted on 28 days. A total of 57 flights were launched of which 53 were successful. The four failures were due to:

- (a) Severe radio interference - 1
- (b) Signal failure of airborne equipment - 1
- (c) Burst on release - strong winds - 1
- (d) Burst at 550 mbs in severe turbulence - 1

Of the above failures, the coded temperature message was despatched on two occasions.

3. Ship movements and flight details were as follows:-

1st July	- 8th July	at Sydney
9th July	- 11th July	Sonde flights Tasman Sea
12th July		within range of Brisbane
13th July	- 20th July	Sonde flights Coral Sea
21st July	- 25th July	at Green Island and Cairns
26th July	- 27th July	Sonde flights Coral Sea.
28th July	- 29th July	at Port Moresby
30th July	- 31st July	Sonde flights Solomon Sea
1st August		at Rabaul
2nd August		Sonde flights solomon Sea
3rd August	- 6th August	at Manus Island
7th August	- 9th August	Sonde flights Pacific Ocean
10th August	- 11th August	at Manus
12th August	- 14th August	Sonde flights Pacific Ocean
15th August		at Manus
16th August	- 20th August	Sonde flights Pacific Ocean
21st August		Sonde flights Sulu Sea
22nd August	- 24th August	Sonde flights China Sea
25th August	- 1st September	at Singapore
2nd September	- 15th September	Indian Ocean
16th September	- 17th September	at Penang
18th September	- 30th September	Indian Ocean

Results of all flights and routine surface observations were reported by signal to Essendon whilst on the Australia station and to Djakarta and Singapore whilst in the Far East.

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4. Unfortunately it was not possible to recharge the Commonwealth Industrial Gases' hydrogen bottles in Singapore - the only recharging facilities in Malaysia being in Kuala Lumpur. The time element precluded the use of those facilities.

Bottled gas was available in Singapore but the cylinders were of an irregular size and were not suitable for stowage on board. That, and the excessive costs that would have been involved had bottles been embarked, requiring return from Australia, prompted the decision to cancel flights till return to Australia.

It is of note that all hydrogen stocks used by the Royal Navy in the Far East are air freighted from the United Kingdom.

Stocks will be replenished in Fremantle and flights recommenced on 10th October off the West Australian Coast.

5. All shipborne equipment has operated satisfactorily during the period and it is planned to have components checked and routine maintenance carried out by staff from your Regional Office in Perth at the beginning of October.

M. Ward

(M. WARD)
LIEUTENANT COMMANDER RAN

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18/6/947

DEPARTMENT OF THE NAVY

MINUTE PAPER

AUGUST 1968
Report of proceedings

HMAS DIAMANTINA

AS(NS) 18/9

D of O 19/9

DCNS 20/9

INF 21/9

2NM 22/9

3NM 23/9

4NM 24/9

SEC 25/9

EAS(EG) 26/9

EAS(FM) 27/9

E of S 28/9

LPR 29/9

AS(NS)(NS5) 30/9

ARCHIVES BRANCH

Gen. availability of hydrogen or recharging facilities in Singapore intimated that, in future, additional quantities should be drawn prior to departure from readily available supplies in Australia.

*M. J. ...
DNS 18/9/68.*

- NOTES: (A) This report should be dealt with and passed on promptly.
- (B) On this file comments should be brief; if any matter requires comprehensive treatment, reference to another Branch, or approval of a Board Member, a new file should be raised, cross-reference to this one.

EGOP	)	ACLD)
D of P	)	ACDC)
D/D of P(A)	)	ACTP)
DGFE	)	DNE)
DUV	)	DMED)
DNSD	)	PNA)
DSAW	)	PME)
D of C	)	PEE)
DNAP	)	DSMR)
DNI	) SEPARATE	DSMP	) SEPARATE
HPB) REPORT	CONS) REPORT
DCNP) CIRCULATING	DNCA) CIRCULATING
DOA)	D of R)
DMT)	DAS)
DDM)	ASNS(NS5))
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DNR)		
DNES)		
DFSD)		
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ASNS(NS5))		
ARCHIVES BRANCH))		

SUPPLY DIVISION
23 OCT 1968
DNS
(MELB.)

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NAVY—CANBERRA
18 6 947.

COMMONWEALTH OF AUSTRALIA

REF. NO. 59/9/16



TELEPHONE:
~~XXXX~~
39-1522

DEPARTMENT OF THE NAVY

P.O. Box 58, NAVAL STAFF OFFICE,
FREMANTLE, W.A. 6160.

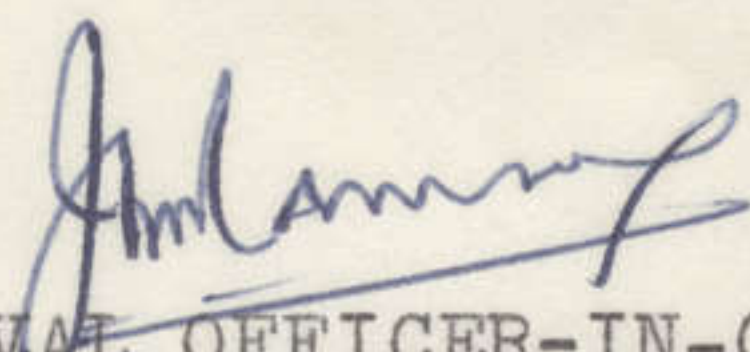
The Secretary,
Department of the Navy,
Navy Office,
CANBERRA. A.C.T.

9 SEP 1968

(Copy to : The Flag Officer Commanding, H.M. Australian Fleet,
Garden Island, Sydney.)

H.M.A.S. DIAMANTINA : REPORT OF PROCEEDINGS

The attached report is submitted in duplicate
for the month of August 1968.


NAVAL OFFICER-IN-CHARGE
WEST AUSTRALIA AREA

Encl.

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CENTRAL REGISTRY		
34 SEP 1968		
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Naval Staff Office Fremantle		

H.M.A.S. DIAMANTINA,
at Singapore.
1 September, 1968.

Sec.

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.

(Copies to: The Commander, Far East Fleet
The Hydrographer, RAN, Garden Island).

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS - AUGUST, 1968.

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship under my command for the month of August, 1968.

2. DIAMANTINA entered Rabaul harbour at 0835K on Thursday 1st and berthed port side to at the main wharf at 0901K.

The Naval Agent, Mr. L. Kent, called and outlined arrangements for the visit and also provided two bus tours for members of the ship's company.

At 0945K I called on the Harbourmaster, Captain M. Touhig.

At 1000K I called on the District Administrator, Mr. H.L. West, and was cordially received.

Although only of short duration, the visit was enjoyed by all on board.

3. At 0900K on Friday 2nd DIAMANTINA cast off and proceeded to sea, clearing harbour at 0920K.

4. Passage was made through St. George's Channel to the north west, and course set to leave Rumbuty Island in the Admiralty group to the west on passage to Manus Island.

5. Seeadler harbour was entered at 1315 on Saturday 3rd, but berthing at H.M.A.S. TARANGAU was delayed due to two United States destroyers being fuelled alongside.

U.S.S. OZBOURN, Commodore Groves, U.S.N., and U.S.S. DEHAVEN sailed at 1345K and proceeded to clear harbour. Identities and greetings were exchanged.

H.M.A.S. DIAMANTINA berthed starboard side to at Lombrum wharf at 1415K.

The Naval Officer in Charge, Papua-New Guinea called informally on arrival.

6. On Sunday 4th members of the Royal Australian Navy Experimental Laboratory embarked their equipments for the forthcoming trials, and the opportunity was taken while alongside to train all newly joined Ordinary Seamen in basic seaboat drills. Fuel was not embarked because some welding maintenance was required on some tanks.

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7. On Monday 5th a conference was held on board to discuss the trials in the area and to formulate the programme which had to be entirely altered because of unserviceability of trials equipment.

8. H.M.A.S. DIAMANTINA remained alongside on Monday 5th and Tuesday 6th.

9. At 0625K on Wednesday 7th the ship cast off and proceeded to sea to commence propagation tests in an area within 30 miles radius of the harbour entrance.

The ship returned in the evening and anchored at 2144K.

10. On Thursday 8th at 0705K anchor was weighed and the ship proceeded to sea to conduct Towflex trials with H.M.A.S. SAMARAI and an Royal Australian Air Force Long Range Maritime Patrol aircraft of the Townsville squadron which had been detached to Lae for the exercises.

The ship remained at sea overnight and returned to harbour on Friday 9th, berthing starboard side to at Lombrum at 1332K.

11. Fuel was embarked a.m. Saturday 10th from the oil fuel lighter.

At 1930 I had the pleasure to dine the Naval Officer in Charge, Papua-New Guinea and the Captain H.M.A.S. SAMARAI and their wives to dinner. //

12. On Monday 12th at 0730K the ship cast off and proceeded to sea to assess array parameters and conduct propagation experiments.

DIAMANTINA anchored in Seeadler harbour at 1835K.

13. At 0600K on Tuesday 13th the ship proceeded to sea and completed propagation experiments, returning to harbour to anchor at 2109K.

14. On Wednesday 14th bottom reflectivity, reverberation and sea noise experiments were completed and the ship returned to H.M.A.S. TARANGAU, berthing starboard side to at Lombrum wharf at 1430K.

Fuel was topped up and all R.A.N.E.L. experimental gear was disembarked.

15. After an inauspicious start, the trials were eventually completed with good results. The records made were most satisfactory to the scientific personnel and will be most adequate for them to advance their studies in this field.

The ship's demolition team prepared and detonated over 500 charges during the course of the trials and performed most credibly. //

During the period spent in the Manus area good progress was made in ship husbandry and general maintenance and numerous sporting fixtures were held with H.M.A.S. TARANGAU and the Papua-New Guinea Division.

16. At 0830K on Thursday 15th H.M.A.S. DIAMANTINA cast off and proceeded to sea, clearing harbour at 0913K. Course was set to the north west en route for Singapore.

17. A 40/60 surface shoot was conducted at 0900K on Friday 16th, with very good results, using the ship's action guns crew.

18. At 1830K on Saturday 17th clocks were retarded one hour to zone India.

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19. On Sunday 18th at 1030I, King Neptune arrived on board, and the Crossing the Line ceremony was performed in accordance with ancient custom. In addition to the initiates, all "qualified" personnel were also taken in hand by the "Bears".
20. During the passage from Manus to Sarangani Strait, south of Mindanao, courses were steered to obtain new soundings to those shown on current sounding charts.
21. Sarangani Island was raised to the west at 0635I on Tuesday 20th, and Sarangani Strait was entered at 0815I and cleared at 1012I. Course was set for Basilan Strait.
22. Basilan Island light to the south of Basilan Strait was extinguished when the ship arrived, and the passage was delayed for a short period while a radar defect was rectified.
- Basilan Strait was entered from the east at 2355I on Tuesday 20th and cleared to the west at 0405I.
- Almost the entire passage was made through small fishing craft which would have numbered approximately 350 to 400. At one stage there were in excess of 30 within a 2 mile radius of the ship.
23. At 1830I on Wednesday 21st clocks were retarded one hour to zone Hotel.
24. Balabac Strait was entered at 2130H on Wednesday 21st and cleared at 2245H, and course was set to approximate the north east monsoon route to Singapore.
25. At 1815H on Friday 23rd clocks were retarded one half hour to zone Golf-Hotel.
26. Singapore Strait was entered at 0615GH on Sunday 25th and Johore Shoal Buoy was passed at 0743GH. Passage was made up Johore Strait to Singapore Naval Base. Beaulieu Shoal Buoy was rounded at 0900GH and H.M.A.S. DIAMANTINA berthed in the Stores Basin on H.M.N.Z.S. OTAGO at No.6 berth at 0907GH.
27. On Monday 26th the ship was shifted by tugs to No.2 berth which had been occupied by U.S.S. ELDORADO. Fuel was embarked and the ship remained in the berth for the remainder of the month for a Short Self Maintenance Period.
- At 1100GH I called on the Captain of the Fleet, Captain D.V. Morgan, M.B.E., Royal Navy.
28. At 2230 on Tuesday 27th H.M.A.S. VENDETTA entered the Stores Basin and berthed at No.3 berth.
29. At 0815GH on Wednesday 28th I called on the Captain of VENDETTA, Commander P.R. Burnett, R.A.N.
- At 1130 GH Captain D.V. Morgan, M.B.E., R.N. informally returned my call and inspected the ship.
30. Colours were half masted on Wednesday 28th on the occasion of the death of H.R.H. Princess Marina, the Duchess of Kent.
31. At 1430GH on Thursday 29th VENDETTA was berthed outboard by tugs.
32. Colours were half masted on Friday 30th August on the occasion of the funeral of H.R.H. Princess Marina, the Duchess of Kent.
33. On Friday 30th at 1000GH, a meeting was held on board to discuss all aspects of "PUCCINI" (the next oceanographic cruise), and the cruise plan was formulated.

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34. Ship was dressed overall on Saturday 31st on the occasion of the celebration of Malaysia Day.
35. U.S.S. BOSTON berthed at No.8 berth at 0920GH.
36. H.M.A.S. VENDETTA cast off and proceeded to sea at 0925GH.
37. At 1115GH on Saturday 31st I called on Rear Admiral I.D. McLaughlan, D.S.C. and bar, the Chief of Staff to the Commander, Far East Fleet.
38. Soundings were made and plotted for all tracks made good during the month, and have been forwarded to the Hydrographer, RAN. Some trouble was experienced with the Precision Depth Recorder, but good soundings were made with the E.D.O. in lieu.
39. Radio Sonde ascents were made twice daily, and regular meteorological reports were forwarded to weather Essendon and Singapore. All equipment worked satisfactorily.
- No supplies of hydrogen or recharging facilities were available in Singapore, and as stocks on board are nil, no more ascents will be made until return to Australia.
40. Training of both Higher Ranks candidates and Ordinary Seamen progressed well during the month.
41. The ship's company had a very good stay in Singapore, and behavior ashore was exemplary.
42. The health of the ship's company is good, morale is high and conduct has been very good.
43. The appearance of the ship is very good, and conditions on board are excellent, bearing in mind the age of the vessel.

I have the honour to be,

Sir,

Your obedient servant.

M. Ward

(M. WARD)
LIEUTENANT COMMANDER RAN
CAPTAIN.



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APPENDICES

APPENDIX A

Steaming.

Distance steamed during the month	4,316.8	n. miles
Hours underway during the month	367	hours
Total distance steamed since commissioning	287,358.0	n. miles
Total hours underway since commissioning	29,348	hours.

APPENDIX B

Exercises.

Seaboats	5
Boat handling	3
X.O. con ship	2
N.O. con ship	2
Boarding Party	1
Landing Party	1
Night Divex	1
Diving exercises	2
40/60 surface shoot	1
Seamex	3

APPENDIX C

Officers.

Joined: CDR. R.E. Whitmore from Hydro 29 August, 1968.
Left: nil.

APPENDIX D

Sporting.

3rd Aug.	Rugby.	TARANGAU (23) def. DIAMANTINA (nil)
4th Aug.	Basketball.	P.N.G. (38) def. DIAMANTINA (26)
	Volleyball.	P.N.G. (4) def. DIAMANTINA (1)
5th Aug.	Volleyball.	Ship's company (5) def. Trainees (nil)
9th Aug.	Basketball.	TARANGAU (68) def. DIAMANTINA (34)
10th Aug.	Aust. Rules.	TARANGAU (21.22) def. DIAMANTINA (8.12)
11th Aug.	Cricket.	TARANGAU drew with DIAMANTINA. (all out 69 runs)
14th Aug.	Aust. Rules.	TARANGAU (7.6) def. DIAMANTINA (7.4)
29th Aug.	Aust. Rules.	VENDETTA (5.9) def DIAMANTINA (5.6)
	Basketball.	VENDETTA (48) def. DIAMANTINA (8).

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18/6/1023

CIRCULATION LIST NO. 1

DEPARTMENT OF THE NAVY
MINUTE

OCTOBER
~~SEPTEMBER~~ 1968

HMAS Diamondstone

Report of Proceedings

AS (NS) 18/4

D OF O 11/4

DCNS 11/4

~~1NM~~

~~2NM~~ 11/4

~~3NM~~ 11/4

~~4NM~~ 25/11

~~5NM~~ 11/4

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~~9 OF S~~ 25/11

~~DPR~~ 25/11

9/12/11

AS (NS)(NS5) 25/11

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- NOTES:
- A. This copy is circulated so that Board Members may see these reports soon after they reach Navy Office.
 - B. The report will be given again to Board Members with Director's comments if there is any matter of special interest in those comments.
 - C. Circulation lists numbers 2 and 3 are referred to Directors and Heads of Branches.

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14/15

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7 NOV A.M.
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ROYAL AUSTRALIAN NAVY

St 2529 NAVY—CANBERRA		
18	6	1023

REF. NO. 21/4

Naval Staff Office,
P.O. Box 58,
FREMANTLE. W.A. 6160.

5th November, 1968.

The Secretary,
Department of the Navy,
Navy Office,
CANBERRA. A.C.T.

(Copy to : The Flag Officer Commanding, H.M. Australian
Fleet, Garden Island, N.S.W.)

H.M.A.S. DIAMANTINA : REPORT OF PROCEEDINGS

The attached report is submitted in duplicate
for the month of October 1968.


NAVAL OFFICER-IN-CHARGE
WEST AUSTRALIA AREA

 Encl.

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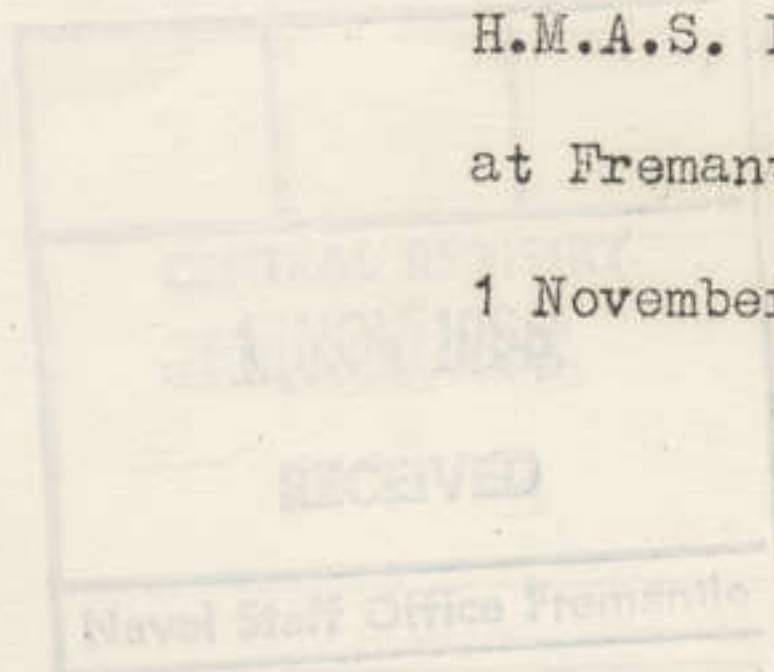
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H.M.A.S. DIAMANTINA,
at Fremantle.

1 November, 1968.

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.



(Copy to: The Hydrographer, RAN, Garden Island.)

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS - OCTOBER, 1968.

(All times zone Hotel (-8)).

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship under my command for the month of October, 1968.

2. At the beginning of the month DIAMANTINA was on passage from the Far East, after completing operation Puccini V, to Fremantle.
3. Rottnest Island was raised to the south east at 0430 on Tuesday 1st.
4. The ship entered Fremantle harbour at 0916 on Tuesday 1st after an absence of six and one half months on operations in the Southern ocean, Tasman, Coral, Bismark and China seas and the Indian ocean.
5. H.M.A.S. DIAMANTINA berthed starboard side to at H Berth, Victoria Quay at 0930. A large crowd of relatives and friends were on the berth to meet the ship.

Customs and Health officials boarded on arrival and proceeded with clearing the ship.
6. At 1030 on Tuesday 1st I called on you, Sir.
7. During the period 1st to 8th October DIAMANTINA remained alongside at Fremantle undergoing a Short Self Maintenance period. Fuel was embarked and personnel and equipment from operation Puccini were disembarked.
8. Ship was dressed overall on Friday 4th on the occasion of Navy Day.
9. Ten members of the ship's company attended a Promotion Board at H.M.A.S. LEEUWIN on Monday 7th, and with the exception of one member, all passed satisfactorily.
10. Members of the Commonwealth Scientific and Industrial Research Organisation embarked with their equipment of Monday 7th and Tuesday 8th in preparation for Cruise DM 6/68 off the West Australian coast.
11. At 1000 on Wednesday 9th, H.M.A.S. DIAMANTINA, with 115 members of the ship's company's families embarked, cast off and proceeded to sea for Family Day. Idyllic weather assisted in making the day a great success.

DIAMANTINA entered harbour at 1440 and berthed starboard side to at H Berth at 1500.

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-2-

12. At 1000 on Thursday 10th, H.M.A.S. DIAMANTINA cast off and proceeded to sea for Cruise DM 6/68, clearing harbour at 1020. Course was set to arrive at the first station in position $31^{\circ} 00'S$ $114^{\circ} 53'E$ at 1930.

The cruise, consisting of a series of NW - SE traverses between the coast and longitude $111^{\circ} 00'E$ and latitudes $29^{\circ} 00'S$ and $31^{\circ} 00'S$ designed to provide a continuation study of the distribution and movement of the larval stages of the Western Crayfish (*Panulirus Cygnus*) and to examine the hydrological conditions and circulation of water masses off the West Australian coast.

Work was programmed to include:

- (a) Hydrological casts to 1500 metres to ascertain temperature, salinity, oxygen, nitrate and inorganic phosphate content in predetermined positions.
- (b) Surface and mid-water trawling with plankton nets at hourly intervals throughout each night.
- (c) Occupation of the SCOR-UNESCO reference station in position $32^{\circ} 00'S$ $111^{\circ} 50'E$.

The scientific party was led by Mr. T.R. Cowper.

13. At 0620 on Saturday 12th, the Abroholis BHP oil rig carrying out oil exploration on Gun Island in the Abroholis group was raised to the north east. It is of note that the rig is very conspicuous to seawards in an otherwise flat and unidentifiable group of islands and reefs.

14. The scientific party experienced difficulty with the mid-water trawling net on which the opening and closing device would not operate satisfactorily. The malfunction was such as to preclude it's use until the 24th of the month after many trials and minor modifications resulted in successful operation.

15. Heavy seas and force 7 - 8 winds caused by a series of depressions south west of Cape Leeuwin dominated the period from 13th to 19th of the month and generally conditions were very unpleasant. Rearrangement of the order of stations allowed all programmed stations and traverses to be occupied although results obtained must have been influenced to some degree by the large amount of mixing in the upper layers.

16. On Wednesday 16th, the ship's Demolition Team and all ORDTAS categories were instructed and exercised in the preparation and use of demolition charges.

17. On Thursday 17th, a small arms shoot was conducted for Gunnery categories and ORDS under training in the use of the SLR and L1A1 rifles.

18. The final station in the first part of the cruise was completed at 0530 on Saturday 19th in position $30^{\circ} 50'S$ $114^{\circ} 15'E$ and course was set for Fremantle.

19. H.M.A.S. DIAMANTINA entered Fremantle harbour at 1316 on Saturday 19th and proceeded to berth starboard side to at H Berth, Victoria Quay at 1330.

20. Fuel and stores were embarked on Monday 21st.

21. At 0830 on Tuesday 22nd, H.M.A.S. DIAMANTINA cast off and proceeded to sea to conduct trials on the mid-water trawl north west of Rottnest Island. A Commonwealth Scientific and Industrial Research Organisation technician was embarked to modify the net as required.

...../3

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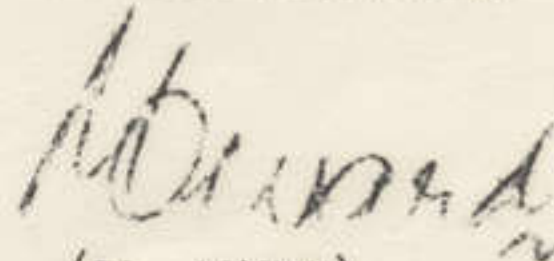
-3-

22. Identities and greetings were exchanged with U.S.S. NORFOLK, Captain R.H. Lemmon, USN at 1050.
23. South African Ships PRESIDENT PRETORIUS and PRESIDENT STEYN were sighted to the west at 1130 and identities were exchanged. Both vessels proceeded into the lee of Rottneest Island where they anchored and maintained their ships' sides.
24. Successful modifications were made to the mid-water trawl and DIAMANTINA proceeded to Gage Roads where the Commonwealth Scientific and Industrial Research Organisation technician was debarked to a workboat from H.M.A.S. LEEUWIN. H.M.A.S. DIAMANTINA proceeded at 1730 to continue Cruise DM 6/68.
25. Oceanographic work continued to the end of the month and results obtained in all work proved satisfactory.
26. A 40/60 surface shoot was carried out on Wednesday 30th with good results. All Ordinary Seamen Gunnery categories also were exercised in gun drills and firing the weapon.
27. The final hydrology station for the month was conducted in position 111° 24'E 30° 12'S at 0430 on Thursday 31st. On completion course was set for Fremantle.
28. Ship husbandry progressed well during the month and the efforts of all members of the ship's company in maintaining the ship are very satisfying considering the large unending task.
29. Radiosonde ascents were made on all days at sea and results of flights and routine surface met. reports were forwarded to the Regional Met. Office in Perth.
30. Soundings were made on all tracks made good. All equipments operated well, the Precision Depth Recorder having been repaired by Dockyard Staff during the Short Self Maintenance period at the beginning of the month. Plotted depths will be forwarded separately to the Hydrographer RAN. Adverse weather and sea conditions precluded the investigation of reported shoal patches in the area of operations. Attempts will be made in November to cover some of the positions listed in A.F. 161/1/19 dated 23 September, 1968.
31. Training of Ordinary Seamen categories is planned to be completed by 15 November when their examinations will be held. All thirty one sailors have made good progress and should acquit themselves well at the final sea test.
32. Other than minor ailments, the health of the ship's company has been very good.
33. The morale of all on board is very good and behavior has been satisfactory.
34. Conditions on board are excellent and a credit to all personnel embarked and the appearance of the ship is good.

I have the honour to be,

Sir,

Your obedient servant.



(M. WARD)

LIEUTENANT COMMANDER RAN
CAPTAIN.

RESTRICTED

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APPENDICES.

Appendix A.

Steaming

Miles steamed during the month	3,791.4 n. miles
Hours underway during the month	465.7 hours
Miles steamed since commissioning	298,636.0 n miles
Hours underway since commissioning	30,445.7 hours

Appendix B.

Exercises

Small arms shoot	3
Demolition ex	1
40/60 Shoot	3
Seamex	3
Seaboats	1
N.O. Con ship	1
Boarding Party muster	1
Steering gear breakdown	1
Diving ex	1

Appendix C.

Officers

Joined - NIL

Left - CMDR E.R. Whitmore, RAN 3 October, 1968 to KUTTABUL

Appendix D.

Sporting.

Australian Rules 8 October.

LEEWIN (11-4, 70 Points) Defeated DIAMANTINA (3-11, 29 Points)

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18/6/1092

CIRCULATION LIST NO. 1

DEPARTMENT OF THE NAVY
MINUTE

NOVEMBER 1968

HMAS DIAMANTINA

Report of Proceedings

AS (NS)

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~~D OF O~~

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~~DCNS~~

[Handwritten signature] 11/12

1NM

[Handwritten signature] 12/12

~~2NM (002)~~ 16/12

3NM

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4NM

[Handwritten signature] 18/12

SEC

WAS (EG)

AS (FM)

10 OF S

[Handwritten signature] 23/12

DPR

[Handwritten signature] 31/12

AS (NS)(NS5)

ARCHIVES BRANCH

[Handwritten signature] 1/69

- NOTES: A. This copy is circulated so that Board Members may see these reports soon after they reach Navy Office.
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4/11/12

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38/13

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COMMONWEALTH OF AUSTRALIA

NAVY—CANBERRA		
18	6	1092

REF. NO.

21/4



TELEPHONE.
39-1522

DEPARTMENT OF THE NAVY

NAVAL STAFF OFFICE,
P.O. BOX 58
FREMANTLE, W.A., 6160.

The Secretary,
Department of the Navy,
Navy Office,
CANBERRA, A.C.T., 2600.



4-DEC-1968

Copy to: Flag Officer Commanding, H.M. Australian Fleet, GARDEN ISLAND, N.S.W.

H.M.A.S. DIAMANTINA : REPORT OF PROCEEDINGS

~~Enclosure:~~ Two copies of HMAS DIAMANTINA letter dated 1st December, 1968.

The attached report is submitted in duplicate for the month of
November, 1968.

NAVAL OFFICER IN CHARGE
WEST AUSTRALIA AREA

RESTRICTED

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H.M.A.S. DIAMANTINA,

at Fremantle.

1 December, 1968.

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.

(Copy to: The Hydrographer, RAN, Garden Island.)

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS -.NOVEMBER, 1968

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship under my command for the month of November, 1968.

2. The month commenced with DIAMANTINA proceeding to Fremantle after completing Phase II of Commonwealth Scientific and Industrial Research Organisation cruise DM6/68. Rottnest Island was raised to the east at 0415 on Friday 1st.
3. Fremantle harbour was entered at 0810 on Friday 1st, and after turning up harbour, DIAMANTINA berthed starboard side to at No.1 berth North Wharf at 0848.
4. You Sir, Called unofficially at 0900 on Friday 1st.
5. After securing, Fuel was embarked and ship was stored.
6. At 1100 the ship's Diving Team was exercised and poker gauge readings made. No difference was found in the readings obtained in September.
7. H.M.A.S. DIAMANTINA remained alongside at Fremantle on 2nd and 3rd of the month and cast off and proceeded to sea for Phase III of cruise DM 6/68 at 1100 on Monday 4th.
8. Phase III was a repetition of Phases I and II completed in October. Hydrological stations were conducted evening and morning and surface and mid water trawls were made throughout the night.
9. On Friday 8th, a 40/60 surface shoot was carried out with excellent results.
10. On Monday 11th, sounding runs were made over the reported patch of discoloured water in position 29°02'S 113°37'E. A minimum depth of 480 fathoms was recorded. Fixing was carried out using visual bearings and radar ranges of Gun Island and it is considered that the patch is non existent or charted in an incorrect position.
11. The final station of Phase III was completed at 0525 on Tuesday 12th and course was set for Fremantle. Rottnest Island was raised to the south east at 1120.
12. Fremantle harbour was entered at 1330 after a delay off north mole due to strong winds and heavy rain reducing visibility to 200 yards. H.M.A.S. DIAMANTINA berthed port side to at No. 11 berth (Container Terminal) North Wharf at 1350. Fuel and stores were embarked after arrival.

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...../2

13. At 1100 on Wednesday 13th H.M.A.S. SYDNEY entered harbour. H.M.A.S. SYDNEY sailed at 1500.

14. Poker gauge readings were again taken on Thursday 14th by the ship's divers.

15. At 1100 on Friday 15th H.M.A.S. DIAMANTINA cast off and proceeded for the fourth and final phase of Commonwealth Scientific and Industrial Research Organisation cruise DM6/68. Harbour was cleared at 1120.

Phase IV consisted of an intensive study of a 50 mile square area between Jurien Bay and Port Denison south of Geraldton. 47 hydrology and 36 trawling stations were completed in the six day period to 20th of the month.

Although not yet fully analysed, the results gained over the period were most satisfactory.

16. Between the coast and longitude 113°03'0"E and between latitudes 29°S and 31°S strong and extremely variable currents were experienced between 11th and 20th of the month. They were entirely unpredictable and as far as could be ascertained ranged in direction from south west through south east to north east at speeds of up to three knots. The note on chart BA 1033 does list such currents further to the south of the area in which they were found.

17. During Phase IV of the cruise, pre-refit trials were carried out and tank cleaning progressed as far as possible. A quarterly full power trial was conducted on Tuesday 19th and all machinery operated satisfactorily.

18. The last station of cruise DM 6/68 was carried out in position 30°38'S 113°56'E at 1828 on Wednesday 20th and on completion, course was set for Fremantle.

19. Rottnest Island was raised to the south east at 0402 on Thursday 21st and Fremantle harbour was entered at 0816.

20. H.M.A.S. DIAMANTINA berthed starboard side to H Berth Victoria Quay at 0830, and reverted to 48 hours notice for steam.

21. The ship commenced Annual Refit and long leave period on Friday 22nd.

22. All fuel was discharged to shore on Saturday 23rd and tank cleaning was completed on Tuesday 26th in preparation for slipping.

23. The ship was deammunitioned on Monday 25th and all projectiles and explosives landed on deposit to Royal Australian Navy Armament Weapons Equipment Depot.

24. An official cocktail party was held onboard at 1830 on Monday 25th and was attended by 35 guests.

25. At 0830 on Wednesday 27th, DIAMANTINA was moved by tugs and slipped on the State slipway at the western end of the harbour where it remained for the rest of the month.

26. H.M.A.S. SYDNEY entered harbour at 0800 on Thursday 28th and sailed at 1600.

27. A large number of defect and planned maintenance items were taken in hand after arrival in Fremantle by local contractors and refit work progressed.

.... / 3

28. During 1968, H.M.A.S. DIAMANTINA steamed a record 39,714.5 miles. The previous best figure was 36,337.4 miles in 1967. A total of 3,894½ hours was spent underway. Between February and November, cruises and work had been completed for the Department of Supply Atomic Test Committee, The Horace Lamb Institute of the University of South Australia, the Commonwealth Scientific and Industrial Research Organisation, the University of New South Wales, the Bureau of Mineral Resources, the Royal Australian Navy Experimental Laboratory and for the Hydrographer R.A.N. and the Hydrographer of the Navy (R.N.).

29. All Ordinary Seamen completed their sea training during the month and were examined. With the exception of one, all passed with good results. A re-test will be held in December.

30. The health of the Ship's Company has been excellent.

31. Morale is high and the conduct of the Ship's Company has been very good.

32. The appearance of the ship is good considering it's age and construction, and conditions onboard are good and well maintained, although overall accommodation and amenities are well below present day standards.

I have the honour to be,

Sir,

Your obedient servant.

K.H. Macgowan
(K.H. MACGOWAN)
LIEUTENANT RAN
COMMANDING OFFICER.

APPENDICES.Appendix A.Steaming.

Miles steamed during the month	2,809.9 n Miles
Hours underway during the month	345.2 hours
Miles steamed since commissioning	301,445.9 n miles
Hours underway since commissioning	30,791.0 hours

Appendix BExercises.

Diving	2
Leaving Ship Stations	1
Emergency Stations	1
N.B.C.D. State IZ	1
40/60 Shoot	1
.38 Pistol Shoot	1
7.62 Rifle Shoot	2
.22 Shoot	2

Appendix C.Officers

Joined - LEUT GLEX N D.M. TAYLOR, FOREIGN - 1st November, 1968 from United Kingdom.

Left - LEUT GLEX N C.C. MORGAN, FOREIGN - 4th November, 1968 to MELBOURNE.

Appendix D.SportingCricket

2 Nov. LEEUWIN (63 runs) defeated DIAMANTINA (62 runs)

27 Nov. LEEUWIN (54 runs) defeated DIAMANTINA (35 runs).

MINUTE PAPER

18/6/1140
Copy on 1224.56.2263 NM. *W/2 Concur Para 2.**CNS - As requested. W/2*By DMED. *Para 3(b) of C.O.N.S. minute of 30/1/69 appl.**AS(NS)*

The stoves were used on board the ship in the after laboratory (even while on the slip). They have been removed.

2. NO petrol appliance is safe to use in a ship unless a gas detection system is fitted and appropriate fire fighting arrangements made.

3. LEEUWIN (through the E.O.) has been informed that the use of these stoves in ships is to be discontinued.

4. Para. 2 above should answer CNS's query. Particulars of the stoves are being sought.

5. Concur C.O.N.S. para. 3(a) and 3(b).

7th February, 1969.
PJAD:GS.

[Signature]
D.M.E.D.

NOTE: The ex Captain of DIAMANTINA, Lt.Cdr. WARD is now serving with D. of O. at Navy Office.

MINUTE PAPER

18/6/1140

Copy: 1224/56/226

USE OF PETROL STOVES IN HMAS DIAMANTINA

CNS

C.O.N.S. has not answered my question. Could you please have examination made as to whether these stoves are safe to use onboard a ship which is undergoing refit.

30/1/69

DFSD

~~DFSD~~

30/1/69

CONS

I think you will find that the stoves were used ashore - at least whilst the ship was in the slip. Please check with Leuwin (Foster) - I don't like petrol stoves in ships however palatable the food proves to be. Obtain particulars of these cookers from Army to answer C.N.S.'s query, also.

By CONS

1. The Army stoves used in DIAMANTINA during the ships recent refit were accepted only after consultation with and inspection by, the Base Engineer Officer, and it is understood that all proper precautions were observed.
2. The type of stove in question has been in use in the Army for a considerable period.
3. However, the use of petrol appliances in a ship, particularly one under refit, is obviously most undesirable, and it is recommended
 - (a) that DFSD take steps to provide proper alternative cooking facilities for DIAMANTINA while under refit in Fremantle
 - (b) that NOICWA be informed of the action taken, and instructed that, while his difficulties have been appreciated, petrol cooking appliances are not to be used in ships under refit.

30th January, 1969


C.O.N.S.

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18-6-1140

CIRCULATION LIST NO. 1

DEPARTMENT OF THE NAVY
MINUTE

HMAS DIAMANTINA

Report of Proceedings DEC '68

~~AS (NS)~~ 15/1

~~D OF O~~ 15/1

~~DCNS~~ 16/1

~~1NM~~ after 23/1/69

~~2NM~~ 24/1

~~3NM~~ 24/1

~~4NM~~ 22/1

~~SEC~~

~~1NM~~ 28/1

~~FAS (EG)~~ 28/1

~~FAS (FM)~~

~~C OF S~~ 29/1

CONS Re para. 7 of them are used onboard, then
are they safe to use?

- file 1224/56/226
refers

~~AS (NS)(NS)~~ 10/1

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5/2/69

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13 JAN P.M.
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NAVY—CANBERRA
18 6 1140

REF. NO. 21/4



TELEPHONE.
39-1522

DEPARTMENT OF THE NAVY

NAVAL STAFF OFFICE,
P.O. BOX 58
FREMANTLE, W.A., 6160.



8th January, 1969.

The Secretary,
Department of the Navy,
Navy Office,
CANBERRA. A.C.T.

(Copy to : Flag Officer Commanding, H.M. Australian Fleet, Sydney.)

H.M.A.S. DIAMANTINA : REPORT OF PROCEEDINGS

The attached report is submitted in duplicate for
the month of December 1968.

NAVAL OFFICER-IN-CHARGE
WEST AUSTRALIA AREA

Encl.

RESTRICTED

01/3

H.M.A.S. DIAMANTINA,

at Fremantle.

2 January, 1969.

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.

(Copy to: The Hydrographer RAN, Garden Island).

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS - DECEMBER, 1968.

(All times Zone Hotel (-8)).

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship under my command for the month of December, 1968.

2. Throughout the month DIAMANTINA was on the State Government Slipway at Fremantle undergoing Annual Refit.

All slipway work was taken in hand early and progressed well with the exception of the plating work carried out by Evans Deakin Engineering Ltd. Delays were apparently caused by the lack of fully experienced labour and some additional work involved. This did effect the unslipping of the ship which was programmed for 21 December, 1968. Unslipping is now planned for 4 January, 1969.

During the period on the slipway, in addition to routine work, the starboard shaft which was badly pitted was faired, the starboard propellor was replaced, 3 in No. "F" strake plates were replaced port and starboard and one plate replaced starboard side cable locker area.

3. The following ships visited Fremantle during the month:-

H.M.A.S. MORESBY from 5th to 6th December.

U.S.S. PROVIDENCE (Captain E.E. Hollyfield Jnr, U.S.N.) from 9th to 12th December.

Japanese Maritime Defence Force Ship FUJI from 15th to 21st December.

4. Members of the ship's company worked extremely well during December and completed a large amount of ship's staff work. The progress of the chipping of the superstructure and ship's side was most gratifying.

5. By the end of the month, well over half of the ship's company had had their seasonal leave and numerous postings in and out had been effected.

6. Although extremely basic, conditions on board have been particularly good for a refit period; these were undoubtedly enhanced by unseasonably cool weather. The necessity to use shore heads and bathrooms remains a major bugbear.

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RESTRICTED

-2-

7. Three petrol fired stoves on loan from Western Command were used for cooking and proved a boon in comparison with the Mobile Galley used in the past. Meals were at all times very palatable and well presented.
8. The health of the ship's company has been excellent and morale, although very good, is starting to suffer slightly because of poorer conditions and the inactivity of the ship.
9. The behavior of the ship's company has been good, though towards the end of the month there was a minor spate of leave breaking offences amongst the Ordinary Seamen borne. The majority concerned will be proceeding on leave and posting at the beginning of January 1969.
10. The appearance of the ship is very good.

I have the honour to be,

Sir,

Your obedient servant.

M. Ward

(M. WARD)
LIEUTENANT COMMANDER RAN
CAPTAIN.

RESTRICTED

APPENDICESAppendix ASteaming.

Miles steamed during the month	Nil
Miles underway during the month	Nil
Miles steamed since commissioning	301,445.9 n miles
Hours underway since commissioning	30,791.0 hours.

Appendix BExercises.

Daily fire exercises.

Appendix COfficers.

Joined - Nil
 Left - LEUTSSSG D. Candy RAN to LEEUWIN 31 December, 1968.

Appendix D.Sporting.

Cricket: LEEUWIN (35 decl.) defeated DIAMANTINA (34)
 SHELL HOUSE (160) defeated DIAMANTINA (100).

Pulling: LEEUWIN regatta - invitation whaler race won by DIAMANTINA.

In addition many individual sports have been played using facilities in the local area.

Appendix E.Meteorology.

Attached.

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22/5

H.M.A.S. DIAMANTINA,

at Fremantle.

31 December, 1968.

The Director,
Bureau of Meteorology,
P.O. Box 1289K,
Melbourne,
VICTORIA 3001.

H.M.A.S. DIAMANTINA - RADIOSONDE AND WEATHER OBSERVATIONS
QUARTER ENDED 31 DECEMBER, 1968.

The following report of Radiosonde Observations made from H.M.A.S. DIAMANTINA during the period 1st October - 31 December, 1968 is forwarded.

2. During October and November ascents were made on 29 days. A total of 58 flights were launched all of which were successful.
3. The ship's movements and flight details were as follows:

1st Oct - 10th Oct	At Fremantle
11th Oct - 18th Oct	Sonde flights Indian Ocean
19th Oct - 22nd Oct	At Fremantle
23rd Oct - 31st Oct	Sonde flights Indian Ocean
1st Nov - 3rd Nov	At Fremantle
4th Nov - 11th Nov	Sonde flights Indian Ocean
12th Nov - 14th Nov	At Fremantle
15th Nov - 20th Nov	Sonde flights Indian Ocean
21st Nov - 31st Dec	Refitting at Fremantle.

Results of all flights and routine weather observations were reported by signal to Weather Perth.

4. All shipborne equipment has operated satisfactorily throughout the period.
5. Routine maintenance and inspection of shipborne equipment was carried out by the Perth Regional Office during December.
6. Radiosonde flights and routine weather reports will recommence in February, 1969.

M. Ward

(M. WARD)
LIEUTENANT COMMANDER RAN
CAPTAIN.

RESTRICTED

18/6/1191

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CIRCULATION LIST NO. 1

DEPARTMENT OF THE NAVY
MINUTE

HMAS DIAMANTINA

Report of Proceedings JAN 69

AS (NS)

17/2

D OF O

18/2

DCNS

19/2

1NM

19/2

2NM

20/2

3NM

24/2

4NM

28/2 for 4NM.

SEC

FAS (EG)

23

FAS (FM)

AS OF S

23

DPR

ds

AS (NS)(NS5)

23

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23/2

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COMMONWEALTH OF AUSTRALIA



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18 6 1191
REF. NO. 21/4

TELEPHONE.
39-1522

DEPARTMENT OF THE NAVY

NAVAL STAFF OFFICE,
P.O. BOX 58
FREMANTLE, W.A., 6160.

11th February, 1969.

The Secretary,
Department of the Navy,
Navy Office,
CANBERRA. A.C.T.

Copy to : Flag Officer Commanding, H.M. Australian Fleet.

H.M.A.S. DIAMANTINA : REPORT OF PROCEEDINGS

J
The attached Report of Proceedings for the month
of January 1969 is forwarded in duplicate.

J. L. ...
NAVAL OFFICER-IN-CHARGE
WEST AUSTRALIA AREA

RESTRICTED

RESTRICTED

01/3

H.M.A.S. DIAMANTINA,

at Fremantle.

1st February, 1969.

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS - JANUARY, 1969.

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship DIAMANTINA under my command for the month of January, 1969. All times are zone (-8).

2. I joined the ship on Sunday 5th and assumed command at 1400 on Monday 6th January.

3. H.M.A.S. DIAMANTINA was on the State Government Slipway, Fremantle, until unslipping at 1445 on Friday 3rd January. The ship was moved by tugs and secured to 11A berth, North Quay at 1640. Further moves by tug were made to "H" berth, Victoria Quay at 0830 on 20th January and to No. 12 berth, North Quay at 0815 on 31st January. The Fremantle Port Authority have been helpful and co-operative in arranging berths.

4. The general progress of the refit has been very satisfactory, and no major delays are apparent. The ship was fumigated overnight on 11th/12th January. New hull numbers (GOR 266) have been painted on each bow.

5. A new training class of Junior Recruits joined by 7th January. All Ordinary Seamen of the previous training class were posted out by 11th January.

6. I made 4 calls during the month as listed in appendix "E".

7. Sporting activities have been encouraged, and results are shown in appendix "D".

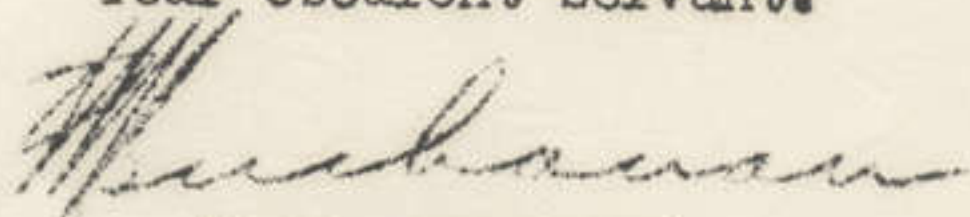
8. Living conditions on board have not deteriorated during the refit, and cleanliness of the living spaces is good. The general condition of the ship is satisfactory considering its age. Deficiencies which exist in the standard of accommodation have been previously reported. Considerable efforts are being made to bring the appearance of the weatherdecks to a seagoing standard.

9. Morale is high, and the health and conduct of the Ship's Company have been good.

I have the honour to be,

Sir,

Your obedient servant.



(J.E. BUCHANAN)
LIEUTENANT COMMANDER RAN
CAPTAIN.

For Information:

The Hydrographer, RAN, Garden Island.

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APPENDICES.

Appendix A

Steaming Figures

Miles steamed during the month	NIL
Hours under way during the month	NIL
Total distance steamed since commissioning	301,445.9
Total hours underway since commissioning	30,791.0

Appendix B

Exercises

- (a) Daily fire drills.
- (b) 1 officer and 2 sailors completed a 9 mm small arms familiarization course on 9th January.

Appendix C

Officers

- Joined - LCDR GLEX J.E. Buchanan, RAN on 5th January from H.M.A.S. QUEENBOROUGH.
- Left - LCDR GLEX M. WARD, RAN on 6th January to Navy Office, Canberra.

Appendix D

Sporting

- Cricket - DIAMANTINA/LEEUEWIN defeated Swan Taxis.
DIAMANTINA defeated LEEUEWIN.
LEEUEWIN (157) defeated DIAMANTINA (151).
DIAMANTINA (139) defeated LEEUEWIN (121).
DIAMANTINA 'A' Team (116) defeated 'B' Team (114).

Volleyball- DIAMANTINA (3) defeated QUEENBOROUGH (0).

A volleyball net has been set up on the wharf, and an interpart "knockout" competition is in progress.

In addition, many individual sports have been played using local facilities.

Appendix E

Official Calls

<u>Date/time</u>	<u>Called on:-</u>
1030 Thurs 16th Jan.	His Worship the Mayor of Fremantle, Sir Frederick Samson.
1000 Tues 28 Jan.	His Excellency the Governor of Western Australia, Major General Sir Douglas Kendrew, KCMG, CB, CBE, DSO.
1030 Tues 28 Jan.	The Right Honourable The Lord Mayor of Perth, Mr. T.E. Wardie.
1100 Tues 28 Jan.	The Commander, Western Command, Brigadier N.A.M. Nicholls, OBE.

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DEPARTMENT OF THE NAVY
MINUTE

HMAS DIAMANTINA

Report of Proceedings FEB '69

AS(NS) 17/3

D OF O 18/3

DCNS 19/3

1NM 21/3

2NM 22/3

3NM 24/3

4NM 25/3

SEC 26/3

FAS (EG) 27/3

FAS (FM)

OF S 28/3

DPR 29/3

AS (NS) (NS55) 30/3

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20/20

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14 MAR A.M.
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NAVY—CANBERRA
18 6 1250

REF. NO.

21/4

TELEPHONE.
39-1522

DEPARTMENT OF THE NAVY

NAVAL STAFF OFFICE,
P.O. BOX 58
FREMANTLE, W.A., 6160.

12 MAR 1969

The Secretary,
Department of the Navy,
Navy Office,
CANBERRA. A.C.T. 2600


Copy to: Flag Officer Commanding, H.M. Australian Fleet.
The Captain, H.M.A.S. DIAMANTINA.

H.M.A.S. DIAMANTINA : REPORT OF PROCEEDINGS.

The attached Report of Proceedings for the month of February, 1969, is forwarded herewith in duplicate.

2. The incident referred to in paragraph 6 showed that a good lookout was being kept by DIAMANTINA and that the response by the Captain was correct. With regard to paragraph 11 of the enclosure examination of the cable by P.M.G. and Naval divers confirmed that this cable was disused but positive identification could not be made. Records in my office do not show details of wartime cables and loops used in the defence of Rottnest Island or Gage Roads during World War II.


NAVAL-OFFICER-IN-CHARGE
WEST AUSTRALIA AREA

 Encl: H.M.A.S. DIAMANTINA's letter dated 5 March, 1969.

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H.M.A.S. DIAMANTINA,

at Fremantle.

5 March, 1969.

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS - FEBRUARY, 1969.

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship DIAMANTINA under my command for the month of February, 1969. All times are Zone (-8).

2. For the first 9 days of February, the ship was alongside No. 12 North Wharf, Fremantle. Basin trials were conducted in 5th and 6th February, and the annual refit was completed on the planned date 7th February.

3. At 0908 Monday 10th February, H.M.A.S. DIAMANTINA sailed for Post Refit Machinery Trials. On clearing the harbour, course was set for Area "NL" where 40/60 Gun Functioning Trials were completed at 1130. Several boxes of unserviceable armament stores were dumped in 300 fathoms west of Rottnest Island, after which the ship returned to Gage Roads for Capstan Trials and ship handling practice. Results of machinery trials were satisfactory and the ship returned to Fremantle, securing to No. 11A North Quay at 1530.

4. H.M.A.S. DIAMANTINA remained in harbour on 11th and 12th February, sailing at 0900 Thursday 13th February for post-refit shake down and work up. Magnetic compasses were adjusted in Gage Roads AM on 13th February, and after carrying out shiphandling and steering breakdown drills, the ship proceeded through the South Passage at 1730 and set course for Geographe Bay. Whilst on passage an attempt was made to investigate a 16 fathom patch (reported 1956) in position 32°16' South 115°23'.5 East, but was aborted due to lack of an accurate means of fixing.

5. Cape Naturaliste Light was raised at 0509 on 14th February, and after carrying out seamanship drills the ship anchored in 7 fathoms at 1100 in position 281° Busselton Jetty Light 4.9 miles. This proved an excellent anchorage in the prevailing southerly winds, and a moderate south westerly ocean swell was not felt in Geographe Bay.

6. At 1950 on Saturday 15th February, the Quartermaster on watch on the bridge reported a red flare at long range bearing about 330°. Steam was raised and at 2115 H.M.A.S. DIAMANTINA weighed and proceeded to search the area. The small disabled cabin cruiser "BOWERBIRD" was located at 2230 in position 042° Cape Naturaliste Light 8 miles, and was taken in tow. The incident was reported in my messages 151550Z, 151706Z and 160200Z February, 1969. The ship anchored 1½ miles clear of Busselton Jetty at 0430 on 16th February. The boat and crew were towed away by local authorities at 0800 that morning, after which the ship weighed and returned to position 281° Busselton Jetty Light 4.9 miles, anchoring at 0930. The minor rescue operation was of great value as a "work up drill" for a largely new ship's company, and their enthusiastic response was encouraging.

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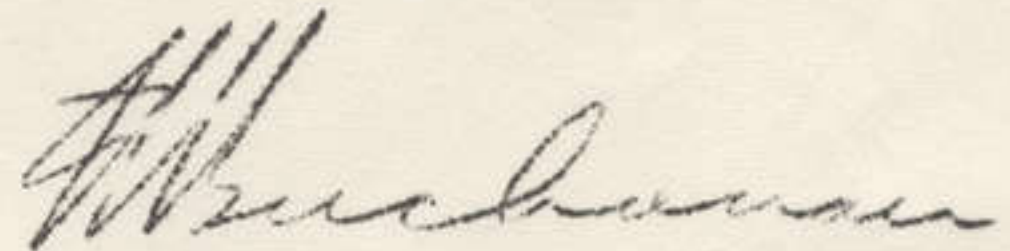
-2-

7. The ship stayed at anchor for the remainder of the shake down period. Seamanship, NBCD and other drills were carried out, and post-refit ship cleaning was progressed. Bosun dinghies and the whaler were used for recreational sailing on Sunday afternoon.
8. H.M.A.S. DIAMANTINA weighed anchor at 2000 on Tuesday 18th February and proceeded for Fremantle, berthing at "A" Shed Victoria Quay at 0830 on 19th February. Borth was shifted to No. 11A North Quay at 1350, and the ship remained alongside for maintenance until 24th February.
9. At 0930 on 20th February I called on H.M.S. HERMES, Captain D.G. Parker DSO, DSC, AFC, ADC, Royal Navy. Captain Parker returned my call at 1130 on 21st February.
10. On each day of the week Monday 24th to Friday 28th February, the ship sailed at 0830 with a class of Junior Recruits embarked, exercised in Gage Roads and returned at 1530. JRTE classes took part in seaboard drills, helmsman practice and ship familiarization tours, and watched anchoring and weighing. Berths on return to harbour were No. 12 North Quay (PM 24th), "D" Shed Victoria Quay (PM 25th, 26th, 27th) and No. 1/2 North Quay on final return Friday 28th February.
11. At 1447 on Monday 24th February, the ship's anchor on weighing became foul of a disused communication cable in position $32^{\circ}00'.7S$ $115^{\circ}39'.4E$. The disused cable was cleared and buoyed for subsequent inspection, as reported in my letter 1/13 dated 24 February, 1969.
12. On Thursday 27th February a limited full power trial at 160 R.P.M. was carried out with successful results. LCDR GLEX H R.B. Doolan who was embarked for that day checked the performance of the PDR and EDO deep sounding equipment in 600 fathoms, and assisted in the training of ship's Survey Recorders.
13. Results of sporting activities are contained in appendix 4.
14. Living spaces on board are clean, and the outward appearance of the ship has now reached an acceptable seagoing standard.
15. Morale is high, and the health and conduct of the ship's company have been good.

I have the honour to be,

Sir,

Your obedient servant.



(J.E. BUCHANAN)
LIEUTENANT COMMANDER RAN
CAPTAIN.

For Information:

The Hydrographer, RAN, Garden Island.

RESTRICTED

APPENDICES.

Appendix 1

(a)	Miles steamed during the month	677.5 miles
(b)	Hours underway during the month	79.55 hrs
(c)	Total distance steamed since commissioning	302,123.4 miles
(d)	Total hours underway since commissioning	30,870.54 hrs
(e)	Periods when exceeding economical speed:-	

<u>DATE</u>	<u>HOURS</u>	<u>SPEED</u>	<u>FUEL EXPENDED</u> (TONS/HOURS)	<u>MILES/TON</u>	<u>REMARKS</u>
27 Feb	1hr 17mins	17.5	2.1	8.33	) Post refit
"	1hr 43mins	16.5	1.9	8.68	) preliminary F.P.T.

Appendix 2.

Exercises

- a. 4 sailors and 1 officer completed Shallow Water Diving Course 28th February.
- b. MINOR DCX

Close down State 1Z	2
Action stations	3
Leaving ship stations	2
Exercise Fwd and Aft Repair Parties	3
Exercise steering gear breakdown	2
40/60 guns crew drill	4
lay out gear for towing	8
lay out gear for jackstay transfer	1
OOW recover lifebuoy	1
Exercise emergency stations	15
Small arms shoot	3
Pistol shoot (officers)	3
X.O. con ship (leaving berth and coming alongside)	1
N.O. con ship (leaving berth and coming alongside)	1
Lower and hoist seaboat	1
Muster Boarding Party	25
Muster landing Party	1
Exercise Demolition Party	2
	1

Appendix 3

Officers

Joined - SBLT SLEX G. Lloyd RAN on 3rd February from H.M.A.S. SYDNEY
Left - NIL.

Appendix 4

Cricket

RAAF Inter Service 144 defeated DIAMANTINA 55
RAAF Inter Service 204 defeated DIAMANTINA 185
SWAN TAXIS 7/90 dec. defeated DIAMANTINA 89.

LEUT GLEX K.H. MACGOWAN has been selected for the Navy Inter Service cricket team.

Volleyball 12 Mess (Seamen) won interpart volleyball competition.

18-6-13/6.

HMAS DIAMANTINA

Report of Proceedings MARCH, 1969

AS(NS) 29/4

D OF U 30/4

DCNS 115

1NM 5/5

2NM 26/5

3NM 26/5

4NM 27/5

SEC 5

C OF S 25/5

13/5

DPR
AS (NS) (NS55) 14/5
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39-1522

DEPARTMENT OF THE NAVY

NAVAL STAFF OFFICE,
P.O. BOX 58
FREMANTLE, W.A., 6160.

23 APR 1969

The Secretary,
Department of the Navy,
Navy Office,
CANBERRA. A.C.T. 2600

Copy to : The Captain, H.M.A.S. DIAMANTINA

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS

The attached Report of Proceedings for the month of March,
1969 is forwarded herewith in duplicate.

NAVAL OFFICER-IN-CHARGE
WEST AUSTRALIA AREA

Enc.

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C1-16-2

H.M.A.S. DIAMANTINA,
at Sydney.

2nd April, 1969.

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.

H.M.A.S. DIAMANTINA -- REPORT OF PROCEEDINGS -- 1ST MARCH TO 1ST APRIL, 1969.

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship DIAMANTINA under my command for the period 1st March to 1st April, 1969.

2. H.M.A.S. DIAMANTINA was berthed alongside No.1/2 berth North Quay, Fremantle until Tuesday 4th March.
3. On Tuesday 4th, Wednesday 5th and Thursday 6th March, the ship carried out Junior Recruit training in Gage Roads with one class of trainees embarked each day, sailing at 0830H and returning PM. J.R.T.E. classes took part in seaboard drills, helmsman practice and ship familiarisation tours and witnessed anchoring and weighing. Berths on return to harbour were H Shed Victoria Quay (1530H 4th and 5th) and A Shed Victoria Quay (1320H Thursday 6th March).
4. On Friday 7th March a further training class was embarked and H.M.A.S. DIAMANTINA cast off at 0802H. The South Passage was cleared by 0855H and course was set for Busselton. The ship berthed starboard side to the eastern seaward end of Busselton Jetty at 0800H, after which the J.R.T.E. training class returned by bus to H.M.A.S. LEEUWIN.
5. On Saturday 8th March the Busselton Shire President Mr. F.H. Joliffe, MBE called on board informally, after which he entertained myself and the officers at lunch. Also present was the State Minister for Lands, the Honourable Mr. S. Bovell, M.L.A. who is a Busselton resident. At 1830H 40 guests were entertained to drinks on board. That evening a dance was given by the local authorities for the ship's company, and a bus tour and cricket match were arranged during the weekend. The ship was opened to public inspection PM on Saturday 8th and Sunday 9th March, and over 2000 people visited the ship despite a walk of $1\frac{1}{4}$ miles to the end of the jetty. Altogether the visit was successful, and apparently much appreciated by the local authorities and populace.
6. The berth was satisfactory in good weather, but became uncomfortable on Sunday night in a NNW wind force 4-5. Fortunately this tended to blow the ship away from the wharf, and no action was necessary except for the constant attention to berthing ropes. Despite excellent spring piling the jetty would probably not be tenable for a ship of escort size in a strong "on-to-wharf" wind.
7. At 0801H on Monday 10th March, H.M.A.S. DIAMANTINA cast off and proceeded for Fremantle, passing west of Rottnest Island. The annual Full Power Trial was carried out on passage. The ship entered Fremantle Harbour and berthed at "F" Shed Victoria Quay at 1545H.

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8. H.M.A.S. DIAMANTINA remained in Fremantle until 15th March. A move was made by tugs to No.12 North Quay at 0920H on Thursday 13th March, after which you walked round the ship at 1100H. Six civilian personnel from the Horace Lamb Centre for Oceanographic Research, Flinders University of South Australia, embarked with their equipment on Friday 12th March. The Cruise Leader was Dr. J.A.T. Bye, Ph D, B Sc.
9. At 0930H on Saturday 15th March, the ship sailed via South Passage for Cruise Dm 1/69 and subsequent passage to Sydney. The purpose of the cruise was to further study the movement of ocean currents at varying depth in the Great Australian Bight, in areas previously investigated by the Horace Lamb Centre during 1967 and 1968. Nansen casts were made and water samples retrieved at each of the stations listed in Appendix 5. Deep ocean soundings on passage could not be taken due to a breakdown affecting the transducer for both sonar soundings sets. Thirteen "stations" were carried out commencing with No.1 about 270 miles south of Esperance (W.A.) at 0900H on Monday 17th March, thence proceeding south-eastwards to 44° South, then north to 40° South, then east to the final station 65 miles west of King Island (TAS), completing at 1430K on Saturday 22nd March. Weather on passage was fair except for a Force 7 SSW gale in latitude 44° South on 19th March. Stations were successful except for No.5, in which deep casts were cancelled by the cruise leader after some equipment delays in rough weather.
10. H.M.A.S. DIAMANTINA chopped to the operational control of the Flag Officer Commanding H.M. Australian Fleet at 1700H on 18th March.
11. King Island was raised at 1730K on 22nd March, after which coastal passage was made to Sydney. The ship berthed at South End Cruiser Wharf, Garden Island, at 1330K on Monday 24th March.
12. During the period in Sydney 24th to 27th March, the team from the Horace Lamb Centre disembarked and equipment was installed for FASOR III. TOWFLEX was checked and sonar listening, monitoring and recording devices were fitted. 6 personnel from the RAN Research Laboratories embarked prior to sailing. The cruise leader was Dr. W.F. Hunter.
13. On 25th March I called on the Flag Officer Commanding H.M.A. Fleet, Rear Admiral G.J.B. Crabb, C.B.E., D.S.C., and on 26th March I called on the Flag Officer in Charge, East Australia Area, Rear Admiral D.C. Wells.
14. At 0830K on Friday 28th March H.M.A.S. DIAMANTINA cast off and proceeded to No. 2 Buoy to embark Underwater Sound Signal charges and at 1020K slipped and proceeded to sea for the preliminary phase of FASOR III. On clearing harbour, course was set for station E 1 in position 106° Macquarie Light 33 miles. A pipe noisemaker supplied by R.A.N.R.L. was streamed and tested on passage. The ship arrived in the vicinity of station E 1 at 1500K, after which sea noise measurement, bottom reflection and sound scattering layer measurements were made until 2000K. Course was then set for station E 2 in position 097 Macquarie Light 105 miles, arriving at 0500K on 29th March.
15. H.M.A.S. DIAMANTINA remained in the vicinity of station E 2 until 1230K on 31st March. Sound measurement experiments were conducted periodically. TOWFLEX was streamed and tested with successful results AM on 29th March. It was again streamed at 0900K on 30th March, and at 1100K the first of several low frequency sound transmissions from U.S.N.S. CHARLES H. DAVIS (Captain Raymond E. Fosse, Master Mariner) was received at a range of about 140 miles. DAVIS continued to approach from the north-east, and took up position in station E 2 at 0400K on 31st March. From 1100 to 1215K H.M.A.S. DIAMANTINA made calibration TOWFLEX runs at 1430 yds and 2860 yds from the DAVIS sound source, and at 1230K proceeded south west towards station E20 in position 138 Macquarie Light 92. Whilst opening the range between ships, low frequency sound transmissions by DAVIS were received on TOWFLEX at 3 hourly intervals. TOWFLEX was recovered in station E 20 at 0230K on 1st April and H.M.A.S. DIAMANTINA proceeded for Sydney. A SSW force 7-8 gale was encountered on passage. Previous weather was favourable.

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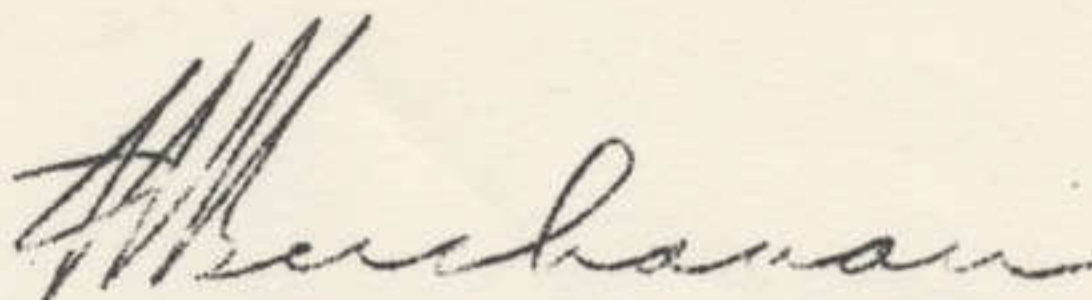
16. The ship entered Sydney Harbour at 0915K on 1st April and after a delay due to other ship movements, berthed at West Dock Wharf Garden Island at 1145K. A move was made by tugs at 1515K to North End Cruiser Wharf, berthing on H.M.A.S. MORESBY.

17. Morale is high, and the health and conduct of the ship's company have been good.

I have the honour to be,

Sir,

Your obedient servant.



(J.E. BUCHANAN)
LIEUTENANT COMMANDER RAN
COMMANDING OFFICER.

For Information:

The Flag Officer Commanding,
H.M. AUSTRALIAN FLEET.

The Hydrographer, RAN,
GARDEN ISLAND.

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H.M.A.S. DIAMANTINA,

at Sea.

31 March, 1969.

The Director,
Bureau of Meteorology,
P.O. Box 1289K,
Melbourne,
VICTORIA 3001.

H.M.A.S. DIAMANTINA - RADIOSONDE AND WEATHER OBSERVATIONS
QUARTER ENDED 31 MARCH, 1969.

1. The following report of Radiosonde Observations made from H.M.A.S. DIAMANTINA during the period 1st January to 31st March, 1969 is forwarded.

2. During March flights were made on 7 days. A total of 13 flights were made of which 11 were successful. The two failures were caused by bad weather.

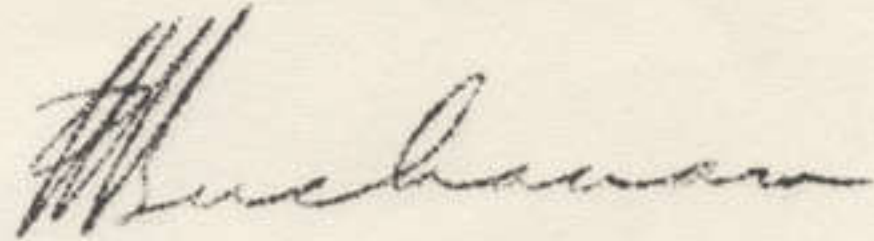
3. The ship's movements and flight details were as follows:

1st Jan - 14th Mar	Refit in Fremantle and Fremantle area.
15th Mar - 21st Mar	Sonde Flights Great Australian Bight.
22nd Mar - 24th Mar	Within range of shore based reporting stations. (Passage to Sydney).
25th Mar - 27th Mar	At Sydney.
28th Mar - 31st Mar	Sydney area within range of shore based reporting stations.

Results of all flights and routine weather observations were reported to Weather Perth or Weather Essendon.

4. Routine maintenance and inspection of shipborne equipment was carried out by the Perth Regional Office in early March. All shipborne equipment has operated satisfactorily throughout the period.

5. Radiosonde Flights and routine weather observations will recommence on 17th April, 1969.



(J.E. BUCHANAN)
LIEUTENANT COMMANDER RAN.
COMMANDING OFFICER.

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HMAS DIAMANTINA

Report of Proceedings: APRIL-69

AS(NS) *29/5*

D OF *30/5*

DCNS *30/5*

1NM *31/6*

2NM *31/6*

3NM *Head*

4NM *31/6*

SEC *31/6*

IC OF S *sub: "16"*

DSS *31/6*

DPR *31/6*
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ROYAL AUSTRALIAN NAVY



PMS

NAVY—CANBERRA		
18	6	1397

OFFICE OF THE
FLAG OFFICER COMMANDING,
H.M. AUSTRALIAN FLEET,
FLEET HEADQUARTERS,
GARDEN ISLAND, N.S.W. 2000

No. A.F. 17/26/4

21 MAY 1969

The Secretary,
Department of the Navy.

HMAS DIAMANTINA - REPORT OF PROCEEDINGS - APRIL, 1969

Forwarded. With reference to paragraph 11 the reason why OTWAY was not carrying the charts for the area in accordance with RANOPS is being investigated.

J. Stace
Rear Admiral

Enclosure: HMAS DIAMANTINA letter C.1.16.2 of 1st May, 1969.

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C. I. 16. 17/26/4
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H.M.A.S. DIAMANTINA,
at Port Moresby.
1st May, 1969.

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS - APRIL, 1969.

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship DIAMANTINA under my command for the period 2nd to 30th April, 1969. All times are Zone (-10).

2. From 2nd to 11th April H.M.A.S. DIAMANTINA was berthed on H.M.A.S. MORESBY at the Cruiser Wharf, Garden Island. During the period outstanding defects were rectified and the ship was readied for the FASOR III cruise.
3. On Tuesday 8th April the Flag Officer-in-Charge, East Australia Area, Rear Admiral D.C. Wells returned my call, and the following day the Flag Officer Commanding, H.M.A. Fleet, Rear Admiral G.J.B. Crabb, CBE, DSC walked round the ship.
4. At 0830 on Saturday 12th April, H.M.A.S. DIAMANTINA cast off and proceeded for the FASOR III cruise. Station E4 ($33^{\circ} 00'S$ $153^{\circ} 20'E$) was occupied from 1700 until 1600 on Sunday 13th April, during which time Nansen casts, sound scattering layer, bottom reflection and sea noise measurements were taken before streaming TOWFLEX at 0800 on 13th April. VLF sound transmissions from USNS CHARLES H. DAVIS were received from about 100 miles south west at 1100; and again at 1500. At 1600 H.M.A.S. DIAMANTINA set course 019° speed 9 which was the base course and speed to open the range from DAVIS. At 6 hourly intervals course was altered 90 degrees and speed reduced to 5 knots for reception of VLF sound transmissions, returning to base course and speed on completion. After the final reception period TOWFLEX was recovered at 1320 on Tuesday 15th April; and the ship set course for Brisbane, entering the North West Channel at 0400 on 16th April and berthing at No. 3 Newstead Wharf at 0930. Fuel was embarked on arrival.
5. At 0830 on Thursday 17th April H.M.A.S. DIAMANTINA cast off and proceeded to sea. The North West Channel was cleared at 1105, and course was set northwards up the coast. At 1330 the ship stopped off Mooloolaba Harbour entrance, lowered the motor cutter and landed the Chief Engineerroom Artificer. This sailor had developed a heart condition, and was admitted to the Military Hospital in Brisbane. At 1430 the boat was hoisted and passage northward was resumed at 14 knots. Departure was taken from Sandy Cape at 0015 on 18th April and course was set 014° . Frederick Reef was raised at 1615, course was altered to 049° and the ship arrived in Station "F" ($16^{\circ} 40'S$ $160^{\circ} 00'E$) at 1000 on 20th April.
6. Nansen casts and noise measurements were carried out on 19th April, and at 1330 on that day 2 bottles of Freon gas were transferred by motorcutter to H.M.A.S. OXLEY (Lieutenant Commander G.R. Dalrymple, RAN) to make good an air conditioning defect. TOWFLEX was streamed at 1450 and periodic VLF sound receptions were made.

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7. On 20th April at Station "F" USNS DAVIS, H.M.A.S. OTWAY and USS BAYA (AGSS 318, Commander W.A. WHITE, USN) were in close company with H.M.A.S. DIAMANTINA for several hours. At 1030 a sailor requiring medical treatment was transferred by boat from OTWAY to DIAMANTINA. After this a TOWFLEX calibration run was carried out with USNS DAVIS, and at 2000 course was set 315° speed 9 for the Solomon Sea. 6 hourly VLF sound reception measurements were made on passage northwards.
8. TOWFLEX was recovered at 0830 on 22nd April, and course was set 326° speed 12. The ship passed between Rossel Island (Lousiade Archipelago) and Pocklington Reef at 2030, after which passage was made North West, arriving at Station "G" ($8^{\circ}21'S$ $152^{\circ}55'E$) at 1315 on Wednesday 23rd April. Nansen casts and sound measurements were made after arrival. At 0830 on 24th April a 40/60 shoot was carried out using an oil drum target and a hydrogen balloon. Streaming of TOWFLEX at 2000 was cancelled due to a requirement to rendezvous with USS BAYA for medical attention to an officer with head injuries. H.M.A.S. DIAMANTINA proceeded southward at 18 knots, but at 0100 on 25th April the requirement was cancelled, and the ship returned to Station "G", arriving at 0745.
9. USS BAYA arrived in Station "G" at 1000 on 25th April. At 1310 spare parts for the EDO echosounder were transferred from BAYA to DIAMANTINA by heaving line transfer. Commencing at 1500 a "shot run" was carried out with H.M.A.S. DIAMANTINA dropping explosive charges at predetermined intervals on course 235° speed 12 knots, to be recorded in BAYA for assessment of bottom bounce sound characteristics. On completion of the shot run, the medical patient from H.M.A.S. OTWAY was returned to the submarine by boat at 1930.
10. At 2000 on 25th April course was set southward at 12 knots. The Jomard Passage was cleared at 0930 next forenoon and course was set southward for Station "H" ($14^{\circ}05'S$ $151^{\circ}00'E$), arriving at 0800 on 27th April. Scattering and sea noise measurements were made after arrival. The weather was adverse, with force 5 - 7 winds from 110° and a heavy swell. TOWFLEX was streamed at 1645 but nothing was heard of scheduled transmissions from DAVIS.
11. At 0930 on 28th April a signal was received from H.M.A.S. OTWAY requiring medical assistance for a seriously ill sailor. TOWFLEX was recovered and the ships made rendezvous at 1430 in heavy seas and driving rain, visibility $\frac{1}{2}$ mile, with the aid of OTWAY's SHFDF equipment. Transfer of doctor or patient would have been too risky, and ships proceeded in company for Port Moresby. By the next forenoon the weather had moderated slightly and my Medical Officer was transferred to OTWAY in a 20 man inflatable liferaft streamed astern, where he rendered assistance. Hospitalization was required and as H.M.A.S. OTWAY did not hold the charts for Port Moresby, the ships continued in company and entered Port Moresby harbour at 1730 on 29th April.
12. H.M.A.S. DIAMANTINA berthed on a merchant ship at the main wharf Port Moresby at 1820, 36 hours ahead of the planned schedule. H.M.A.S. OTWAY berthed on DIAMANTINA at 1845, landed the patient and sailed at 2300. As it was too late for remaining combined events, and harbour repairs were required to the TOWFLEX and oceanographic winch, H.M.A.S. DIAMANTINA remained in harbour. At 0900 on 30th April berth was shifted astern for fuelling, and at 1330 H.M.A.S. DIAMANTINA cast off and re-berthed at the P.N.G. (Army) Transportation Squadron Wharf. On first arrival the ship was met by the Deputy Naval Officer-in-Charge, Papua-New Guinea, Lieutenant Commander D.C.S. Smith, RAN.

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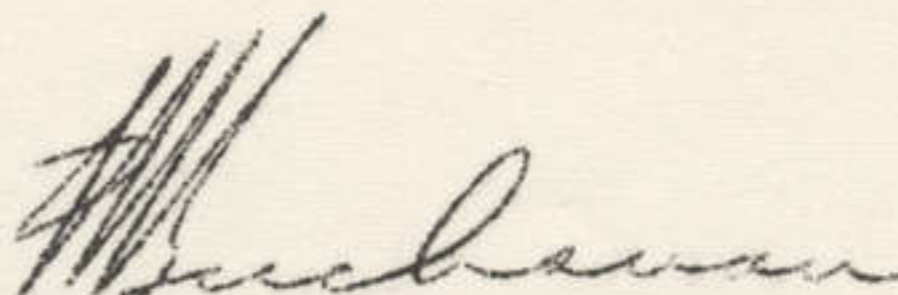
-3-

13. Living conditions on board have been unpleasant in the tropics, however a variety of on board recreational activities have been encouraged and morale remains high. The health of the ship's company has been good.

I have the honour to be,

Sir,

Your obedient servant.



(J.E. BUCHANAN)
LIEUTENANT COMMANDER RAN
COMMANDING OFFICER.

For Information:

The Flag Officer Commanding, H.M. AUSTRALIAN FLEET.

The Hydrographer, RAN, Garden Island.

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APPENDICESAppendix 1

(a)	Miles steamed during the month	3724.1
(b)	Hours underway during the month	407.14
(c)	Total distance steamed since commissioning	309486.6
(d)	Total hours underway since commissioning	31613.41

(e)	<u>Date</u>	<u>Hours</u>	<u>Average Speed</u>	<u>Distance/ton</u>	<u>Reason</u>
	17 Apr	1 Hour	16 knots	8.4 miles/ton	To land sick CERA
	24 Apr	3 Hours	17.7 knots	6.7 miles.ton	To close USS BAYA for urgent medical case.

Appendix 2.Exercises

Heaving line transfer	1
Leaving ship stations	1
Action stations	1
D.C. Exercises	1
Surface shoot	1
Small arms shoot	1
Emergency stations	1
Seaboats	2
Steering gear breakdown	1
N.O. con ship	1

Appendix 3Officers

LCDR GLEX R.I. Crawford, RAN joined 8th April, 1969 from H.M.A.S. ARDENT.
 LCDR GLEX K.H. MacGowan, RAN left 8th April, 1969 to H.M.A.S. CRESWELL.

Appendix 5.Sport

16 April - Australian Rules - Ennogra Barracks (23.16) defeated
 DIAMANTINA (5.6).
 19 April Clay Pigeon shoot (at sea)
 19 April .22 Rifle shoot (at sea)

Daily quizzes, tombola and other recreational activities have been held on passage.

CONFIDENTIAL

18-6-1448

DEPARTMENT OF THE NAVY

MMAS DIAMANTINA

Report of Proceedings: 1/5/69 - 3/6/69

AS (NS)

12/5/7

D OF O

12/2/7

~~DCNS~~

1NM

[Signature]

2NM

12/1/7

3NM

13/6/7

4NM

11/4/7

SEC

12/8/7

C OF S

12/1/7

DSS [Signature]

DPR

AS (NS) (NS55)

ARCHIVES BRANCH

- NOTES:
- A. This copy is circulated so that Board Members may see these reports soon after they reach Navy Office.
 - B. The report will be given again to Board Members with Director's comments if there is any matter of special interest in those comments.
 - C. Circulation lists numbers 2 and 3 are referred to Directors and Heads of Branches.

[Signature]

12/8/7

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16

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COMMONWEALTH OF AUSTRALIA



DEPARTMENT OF THE NAVY

NAVY - CANBERRA		
18	6	1448.

REF. NO.

21/4

RECEIVED
3 JUL P.M.
NAVY REGISTRY

TELEPHONE.
39-1522

NAVAL STAFF OFFICE,
P.O. BOX 58
FREMANTLE, W.A., 6160.

1 JUL 1969

The Secretary,
Department of the Navy,
Navy Office,
CANBERRA. A.C.T. 2600

H.M.A.S. DIAMANTINA REPORT OF PROCEEDINGS

The attached reports of proceedings are forwarded in duplicate.

NAVAL OFFICER-IN-CHARGE
WEST AUSTRALIA AREA

Encl.

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C1. 16.2

H.M.A.S. DIAMANTINA,
at Djakarta.

4th June, 1969.

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS - 1ST MAY TO 3RD JUNE 1969

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship DIAMANTINA under my command for the period 1st May to 3rd June, 1969.

2. From 1st to AM 5th May, H.M.A.S. DIAMANTINA was berthed at the PNG Command Water Transportation Squadron Wharf, Port Moresby.
3. The French Naval Aviso Escorteur PROTEE was berthed at the Main Wharf, Port Moresby from AM 30th April to AM 2nd May, and I exchanged calls with Capitaine de Vaisseau Servant on Thursday 1st. USS BAYA (Commander W.A. White, USN) berthed on DIAMANTINA at 0935K on 2nd May, and USNS CHARLES H. DAVIS (Captain R.E. Fosse) arrived at the Main Wharf at 1000K. After arrival calls were made with the other two Commanding Officers as shown in appendix 4. H.M.A.S. DIAMANTINA held a reception on board at 1800K on 2nd May. At 1030K on 4th May I attended a ceremony at the Port Moresby War Memorial with Commander White and the Deputy Naval Officer in Charge, Papua New Guinea, LCDR D.C. Smith, RAN, where we laid wreaths to mark the anniversary of the Battle of the Coral Sea.
4. During the visit, many organized groups of PNG Army trainees, high school children and nautical school trainees were taken on guided tours of H.M.A.S. DIAMANTINA and USS BAYA. The ships were opened to public inspection PM on Sunday 4th May. From previous experience when berthed within the Army wharf compound at Port Moresby, doubts were held that the indigenous population would show much interest. Stimulated however by local publicity, previous guided tours and not least by the presence of a submarine, a veritable horde of about 4500 indigenes were waiting to come on board the ships at visiting hour. They were dealt with capably and without incident by duty personnel.
5. Recreational activities provided during the visit included Australian Rules and Soccer matches VS the PNG Command, golf, a tour of the South Pacific Breweries, a bus tour to Rouna Falls and the Kokoda Trail, and several dances at local clubs. Ship's personnel made good use of the Army's sporting facilities, swimming pool and Messes. Members of the Sergeants Mess entertained the Senior Sailors on several occasions, and the officers and scientists were invited to a barbecue at the PNG Command Officers' Mess on Sunday 4th May. Despite the relatively small size of Port Moresby, the visit was most enjoyable due to the good organization of the Deputy Naval Officer in Charge, and to Army and local hospitality.

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6. H.M.A.S. DIAMANTINA cast off and proceeded at 0955K on Monday 5th May. BAYA and DAVIS sailed on the following day. On clearing harbour course was set westward and DIAMANTINA arrived at station I 46 (9°36'S 146°10'E) for sea noise measurements and Nansen casts, proceeding at 2000K for the Torres Strait. Bramble Cay was abeam at 0600K on 6th May, and after passage through the Great North East Channel and the Prince of Wales Channel, Booby Island was cleared at 1830K and course set westward. Clocks were retarded 30 minutes to zone IK (-9½) at 1810 on 10th May.
7. A series of 18 stations were occupied in the Arafura Sea during the period 7th to 13th May. Positions, times and measurements conducted are shown in Appendix 5. Rendezvous was made with USS BAYA at 0400 IK on 8th May in Station INDIA, and DIAMANTINA stopped for test of BAYA's VLF sound source at 0800 IK followed by a "bomb run" where DIAMANTINA dropped underwater charges at preset range and time intervals for long range acoustic reception by BAYA. Further rendezvous was made in Station JULIET at 0030 IK on 12th May with BAYA and DAVIS, where further bomb runs were carried out. On 13th May the motorcutter was lowered from 0900 to 1630 IK with hydrophones embarked for short range bottom bounce monitoring of a ship's sound source. Sea noise measurements, sound scattering and bottom reflectivity experiments and Nansen casts combined with Bathy Dips were carried out in the other stations as shown in Appendix 5. All stations were in relatively shallow water, generally between 30 and 60 fathoms.
8. On completion of Station J29B at 2345 on 13th May, course was set north eastward for Darwin, and the ship arrived at No. 2 berth Stokes Hill Wharf at 0845 IK on 14th May. USS BAYA and USNS DAVIS berthed on DIAMANTINA shortly afterwards. H.M.A.S. DIAMANTINA remained alongside for self maintenance until 21st May, during which time No 2 boiler was re-bricked by ship's staff.
9. After arrival I called on the Naval Officer in Charge, North Australia Area, Captain B.L. Cleary, RAN. Further calls were made with the other two Commanding Officers as shown in Appendix 4. A reception was held on board H.M.A.S. DIAMANTINA at 1800 IK on 16th May. All three ships were opened to public inspection on 17th and 18th May, though only 350 people came onboard. Organized tours were arranged for schoolchildren and a group of Navy League members. Several sporting fixtures were arranged, including Rugby League, Cricket, and Basketball matches, and a game of Softball VS the WRANS, which was followed by a dance and barbecue at the WRANS quarters, Coonawarra. Bus tours for sailors were provided on 15th and 16th May. Other entertainment ashore for the ship's company was plentiful as there was a function on almost every night, including a barbecue at the Darwin Hospital Nurses' Quarters, and dances at various hotels. The officers and scientists were entertained at a barbecue at the Larrakeyah Officers Mess on 17th May. In general, the visit to Darwin proved to be very popular with the ship's company.
10. H.M.A.S. DIAMANTINA cast off and proceeded at 1000 IK on 21st May. USS BAYA and USNS DAVIS sailed on the following day. On clearing the harbour, course was set north westward. Clocks were retarded 30 minutes to zone I (-9) at 1800 on 21st May, and the ship arrived in Station K1 (10°30'S, 125°30'E) at 1500I on 22nd May.
11. A series of 26 stations were occupied in the Indian Ocean during the period 22nd May to 3rd June. Positions, times and measurements conducted are shown in Appendix 6. At 0945I on 24th May H.M.A.S. DIAMANTINA met H.M.A.S. SYDNEY south of Timor, en route to Australia. A surface 40/60 firing was conducted at 1130I on 24th May, using an oil drum target, and good results were obtained. That afternoon a clay pigeon shoot was held, using shotguns. Some 40 personnel took part. Clocks were retarded 1 hour to zone H (-8) at 1820 on 24th May. Divisions and prayers were held AM on Sunday 25th May. A series of damage control exercises and drills were conducted during the week commencing Monday 26th May. Action Stations, Emergency Stations and Leaving Ship stations were included. At 2000H on 30th May a night firing of small arms was carried out using a marine flare marker target, to familiarize personnel with the use of tracer shell during darkness.

12. At 1030H on 31st May a message was received from USS BAYA requiring medical assistance for an appendicitis case. Hydrophones were recovered and course was set 110° speed 18. Rendezvous was made with BAYA at 1730 H in position 1049'S 109°25'E. The patient was transferred by boat to DIAMANTINA, and the ship carried on with the oceanographic programme whilst the patient remained under medical observation. A TOWFLEX calibration was carried out with USNS DAVIS, and monitoring of a DAVIS bomb run was in progress when at 1300H on 1st June the Medical Officer decided that surgery was required. Towflex was recovered and H.M.A.S. DIAMANTINA proceeded westward at 18 knots, securing to No. B2 buoy Flying Fish Cove, Christmas Island at 1930 G on 1st May. The harbourmaster was embarked as pilot for coming to the buoy.

June?
June?

13. H.M.A.S. DIAMANTINA remained at Christmas Island for 18 hours during which time the patient was taken to hospital and was operated upon by my Medical Officer, Surgeon Lieutenant S.M. Leidl, RAN, at the invitation of the Island Medical Officer. Leave was granted during the visit, and nearly all of the ship's company made use of the "duty free" shopping facilities ashore. I called on His Honour the Administrator of Christmas Island, Brigadier L.D. King, OBE ED at 1200 on 2nd May and was entertained to luncheon together with the British Phosphate Commission Island Manager, Mr K.L. Lourey. H.M.A.S. DIAMANTINA slipped and proceeded at 1400 G on 2nd May, leaving the patient in hospital.

14. TOWFLEX was streamed at 1435 G and the remainder of the programme was completed as shown in Appendix 6. H.M.A.S. DIAMANTINA's participation in FASOR III ended at 1700 G on 3rd of June. TOWFLEX was recovered and course was set northward for Djakarta.

15. Throughout the FASOR III programme, a very good relationship has been enjoyed with USS BAYA and USNS DAVIS, and their co-operation in both Naval and scientific matters deserves most favourable comment, even from a "junior partner" in the programme.

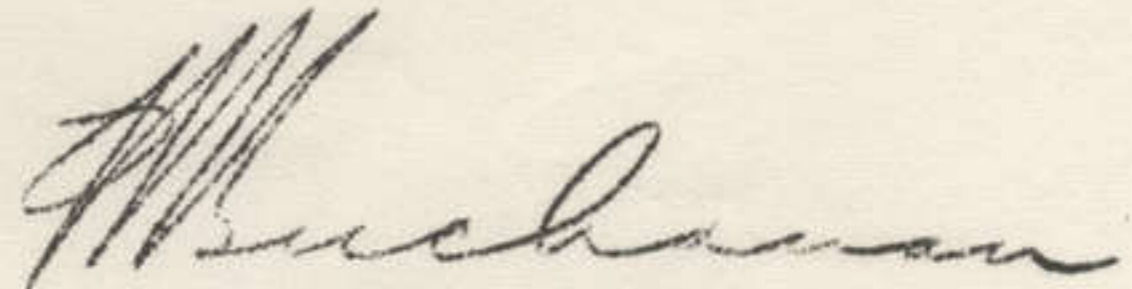
16. Co-operation between RANRL personnel and ship's staff has been excellent, and a combined effort has resulted in good equipment serviceability and a satisfactorily completed programme of scientific data collection. Favourable weather throughout the month of May has assisted in this respect.

17. The behaviour of the ship's company ashore has been good, and morale on board remains high. Health has been very satisfactory during the period under report.

I have the honour to be,

Sir,

Your obedient servant,



(J.E. BUCHANAN)
LIEUTENANT COMMANDER RAN
COMMANDING OFFICER.

For Information:

The Flag Officer Commanding, H.M. AUSTRALIAN FLEET.

The Hydrographer, RAN, GARDEN ISLAND.

APPENDICES

Appendix 1 Note:- Figures at (a) to (d) are given for the period 1st to 31st May, 1969.

(a)	Miles steamed during the month					3,611.5
(b)	Hours underway during month					471.01
(c)	Total distance steamed since commissioning					312,822.2
(d)	Total hours underway since commissioning					32,084.42

(e)	<u>Date</u>	<u>Hours</u>	<u>Average Speed</u>	<u>Distance/ton</u>	<u>Ton/hour</u>	<u>Reason</u>
	31st May	5	17.0	7.7/Ton	2.2	To close USS BAYA for urgent medical case.
	1st June	5	17.2	7.8/Ton	2.31	To Christmas Island with appendicitis case ex BAYA.

Appendix 2.

Exercises.

Closing down to IZ	2
DC Comms Exercise	1
Fire and Repair party instruction	1
Emergency Stations	1
Leaving Ship Stations	1
First Aid Parties	1
Action Stations	1
OOW recover sea noise measurement buoy	5
Surface 40/60 Shoot	1
Small Arms Shoot	2
Seaboats	2
ORD Gunnery Ranks Small Arms Shoot	1
ORD Gunnery Ranks 40/60 Gun Drill	6 x 2 hour periods.
Guard Drill (preparation for Djakarta visit)	6 x 1 hour periods.

Appendix 3

Sport.

Port Moresby - 1st May Australian Rules DIAMANTINA 10-16 PNG Command 14-10.
 2nd May Soccer DIAMANTINA 0 Taurama Barracks 10.

Darwin

14th May Rugby League DIAMANTINA 0 MELVILLE 15
 15th May Cricket DIAMANTINA 81 ARMY/RAN 2 for 82
 16th May Softball DIAMANTINA 13 WRANS, Coonawarra 18
 16th May Basketball DIAMANTINA 14 Darwin Amateur Basketball Association 71.

At Sea

- 22 May SLR rifle shoot at floating box target, Officers VS Scientists.
 - 24 May Clay pigeon shooting on the forecastle.

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APPENDICES (page 2)

Appendix 4.

Calls.

<u>Time and date</u>	<u>Called on</u>
1130 1st May	The Commanding Officer, French Naval Aviso Escorteur PROTET, Capitaine de Vaisseau Servant
1000 2nd May	His Honour the Administrator of the Territory of Papua-New Guinea, D.O. Hay, CBE DSO.
1030 2nd May	The Chief Justice of the Territory of Papua-New Guinea, The Honourable Sir Alan Mann, MBE.
1130 2nd May	The Commander, Papua-New Guinea Command, Brigadier R.T.E. Eldridge, OBE.
0945 14th May	The Naval Officer in Charge, North Australia Area, Captain B.L. Cleary, RAN.
1030 15th May	The Commander, Northern Command, Lieutenant Colonel P.J. Norton.
1430 15th May	The Town Clerk, City of Darwin (in the absence of his Worship the Mayor, Alderman H. Chan).
1500 15th May	The Chief Justice of the Northern Territory, the Honourable Mr Justice Blackburn.
1200 2nd June	His Honour the Administrator of Christmas Island, Brigadier L.D. King, OBE, ED.

...../3

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APPENDICES (page 3)

APPENDIX 5

STATIONS OCCUPIED IN THE ARAFURA SEA 7TH - 13TH MAY (times in Zone IK).

<u>STATION DESIGNATOR</u>	<u>POSITION</u>	<u>DATE/TIME</u>	<u>REMARKS</u>
I 40	10°25'S 140°15'E	070400 - 0440	Nansen Cast
I 39A	11°33'S 139°23'E	071300 - 1800	Sea Noise Measurement. Reverberations. Nansen Cast
INDIA	10°00'S 139°00'E	080400 - 1330	Nansen Cast. Sea Noise Measurement. Test of BAYA VLF source. Bomb run for BAYA
J 38	10°00'S 138°00'E	081500 - 1530	Nansen Cast.
J 37	10°55'S 137°00'E	082330 - 2359	Nansen Cast.
J 36	10°00'S 136°00'E	090700 - 0930	Nansen Cast. Search for reported shoal - nil result.
J 35A	10°00'S 135°54'E	091000 - 1100	Reverberations.
J 35B	9°30'S 135°00'E	091430 - 1700	Sea Noise measurement. Reverberations.
J 35	9°00'S 135°00'E	092100 - 2145	Nansen Cast.
J 34	10°00'S 134°00'E	100500 - 0530	Nansen Cast.
J 33	9°00'S 133°00'E	101300 - 1530	Sea Noise Measurement. Reverberations. Nansen Cast.
J 32	10°00'S 132°00'E	102130 - 2200	Nansen Cast.
J 31	9°00'S 131°00'E	110430 - 0515	Nansen Cast.
J 30A	9°50'S 130°20'E	111300 - 1330	Nansen Cast.
JULIET	10°00'S 130°00'E	111600 - 121330	Sea Noise Measurement. Nansen Cast. Reverberations. Monitored DAVIS shot run. Carried out shot run for BAYA.
J 30B	11°26'S 129°44'E	122030 - 2300	Sea Noise Measurement. Nansen Cast.
J 28.	13°12'S 128°47'E	130900 - 1630	Nansen Cast. Lowered motorcutter with hydro- phones for short range bottom bounce reception of ship's sound source.
J 29B	12°44'S 129°45'E	132100 - 2345	Sea Noise measurement. Nansen Cast.

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APPENDIX 6

STATIONS OCCUPIED IN THE INDIAN OCEAN 22ND MAY TO 3RD JUNE, 1969.

<u>STATION DESIGNATOR</u>	<u>POSITION</u>	<u>DATE/TIME</u>	<u>REMARKS</u>
K I	10°30'S 125°30'E	221500 - 231200 I	Reverberations. Nansen Cast. Sea Noise Measurements
KI2	10°37'S 124°35'E	231600 - 2200 I	Reverberations. Nansen Cast.
K 2	11°02'S 124°04'E	240300 - 0845 I	Nansen Cast. Reveberations.
K 3	11°30'S 121°25'E	242040H-251315H 251400H	Reverberations. Nansen Cast. Monitored BAYA VLF source. Monitored DAVIS bomb run. Sea Noise Measurement. Streamed TOWFLEX.
KL I	11°37'S 120°36'E	251600 - 1650H	Listened on TOWFLEX to DAVIS VLF transmission.
KL 2	12°00'S 119°55'E	252200 - 2250H	- - - - - " - - - - -
KL 3	12°25'S 118°57'E	260400 - 0445H	- - - - - " - - - - -
KL 4	12°45'S 118°09'E	261000 - 1055H	- - - - - " - - - - -
KL 5	12°58'S 117°23'E	261600 - 1700H	- - - - - " - - - - -
KL 6	13°10'S 116°40'E	262200 - 2230H	- - - - - " - - - - -
-		262230H	Recovered TOWFLEX.
LI A	13°09'S 116°15'E	270545 - 2000H	Reverberations. Nansen Cast. Sea Noise Measurement.
-		272200H	Streamed TOWFLEX.
LM I	12°41'S 115°38'E	272320 - 2345H	Listened on TOWFLEX to DAVIS Pipe Noisemaker.
LM 2	12°35'S 115°24'E	280100 - 0155H	Listened on TOWFLEX to DAVIS VLF transmission.
LM 3	12°16'S 114°49'E	280600 - 0645H	- - - - - " - - - - -
-		280700 - 1530H	Monitored on TOWFLEX a bomb run by DAVIS.
LM 4	11°21'S 113°26'E	282000 - 2030H	Listened on TOWFLEX to DAVIS VLF transmission.
LM 5	10°55'S 112°49'E	290200 - 0235H	- - - - - " - - - - -
LM 6	10°59'S 111°50'E	290800 - 0835H	- - - - - " - - - - -
LM 7	10°21'S 110°51'E	291400 - 1445H	- - - - - " - - - - -
LM 8	10°00'S 109°58'E	292000 - 2035H	- - - - - " - - - - -
LM 9	10°00'S 109°00'E	300200 - 0235H	- - - - - " - - - - -
-		300815H	Recovered TOWFLEX.

APPENDICES (page 5)

APPENDIX 6 (cont.)

<u>STATION DESIGNATOR</u>	<u>POSITION</u>	<u>DATE/TIME</u>	<u>REMARKS.</u>
MIKE	09°56'S 107°34'E	301130 - 311030	Sea Noise measurements. Nansen Cast. Reverberations.
-		311030 - 1930H	Medical emergency and R/V with BAYA.
-		312000H	STREAMED TOWFLEX
-	10°50'S 109°12'E	312200 - 010045H	Close range runs with TOWFLEX at 3000 yards from DAVIS for calibration of DAVIS VLF source.
-	10°29'S 107°29'E	011130 - 1300H	TOWFLEX monitoring of bomb run by DAVIS.
-		011300 H	Recovered TOWFLEX
-		011300H- 021400G	Medical emergency and Visit to Christmas Island.
-		021430	Streamed TOWFLEX
X I	10°13'S 105°41'E	021600 - 1700G	Listened on TOWFLEX tp DAVIS VLF transmission.
X 2	9°31'S 105°33'E	022200 - 2300G	- - - - - " - - - - -
X 3	8°58'S 105°32'E	030400 - 0450G	- - - - - " - - - - -
X 4	8°05'S 105°16'E	031000 - 1045G	- - - - - " - - - - -
X 5	7°18'S 105°00'E	031600 - 1645G	- - - - - " - - - - -
-		031700G	Recovered TOWFLEX. FASOR III completed for H.M.A.S. DIAMANTINA.

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18/6/1463

DEPARTMENT OF THE NAVY

HMAS DIAMANTINA

Report of Proceedings: JUNE '69

AS(NS) *16/7/69*

D OF *17/7*

DCNS *17/7*

1NM *17/7*

2NM *23/7*

3NM *25/7*

4NM *29/7*

SEC *29/7*

C OF S *30/7*

DPR
AS (NS) (NS55) *30/7*
ARCHIVES BRANCH

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23

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COMMONWEALTH OF AUSTRALIA



NAVY—CANBERRA		
18	6	1463

REF. NO.

21/4

TELEPHONE.
39-1522

DEPARTMENT OF THE NAVY

NAVAL STAFF OFFICE,
P.O. BOX 58
FREMANTLE, W.A., 6160.

The Secretary,
Department of the Navy,
Navy Office,
CANBERRA. A.C.T. 2600

- 9 JUL 1969

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS

The attached Report of Proceedings for the month of June 1969 is forwarded in duplicate.

NAVAL OFFICER-IN-CHARGE
WEST AUSTRALIA AREA

RESTRICTED

C1-16-2 *

H.M.A.S. DIAMANTINA,

at Fremantle.

1 July, 1969.

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS - 3RD TO 30TH JUNE, 1969.

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship DIAMANTINA under my command for the period 3rd to 30th June, 1969.

2. On completion of operation FASOR III at 1700G on 3rd June, H.M.A.S. DIAMANTINA recovered TOWFLEX in position 7°18'S 105°00'E and set course 000 speed 13 for the Sunda Strait. Tanjong Lajar Light was raised at 2015G, and passage was made to Tandjung Priok via the Great Channel and Outer Channel. An Indonesian Naval Pilot was embarked off the harbour entrance at 0815G on 4th June, together with the Australian Military Attache Djakarta, Colonel D.G. Sharp, and the ALRI liaison officer. The ship berthed at the north end of Samudera Pier, No. 3 Basin Tandjung Priok Harbour at 0900G on 4th June, and remained alongside until 8th June.

3. Shortly after arrival, calls were paid on Indonesian Naval Authorities and His Excellency the Australian Ambassador, Mr. G.A. Jockel as shown in Appendix 4. Return of calls commenced at 1230G. Callers were received with a guard on the Forecastle, which was inspected by Rear Admiral Nimpuno. Senior ALRI officers, the Australian Ambassador and the Australian Military Attache were then entertained with their wives to luncheon on "B" deck. At 1830G a reception was held on board for 60 guests, including ALRI officers, Australian Embassy personnel, and the Service Attaches of several Asian and European countries.

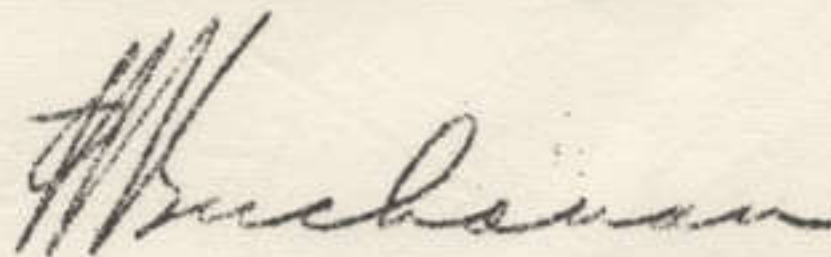
4. For the visit, a comprehensive programme of entertainment for all ranks, and liaison with the Indonesian Naval Hydrographic Branch, was arranged by the Australian Military Attache. Daily bus tours to the mountains in the Javanese hinterland were well patronized by the ship's company. Tours included a barbecue and swimming at the Australian Embassy bungalow at Tugu. Volleyball and soccer matches were held VS the ALRI Hydrographic Branch, and a ship's team of officers and scientists played golf VS ALRI Senior Officers. 10 sailors were entertained to luncheon by the Australian Consul, Mr. B.J. Teasey and his wife, and at 1930 on 5th June, all non-duty ship's personnel attended a reception given by His Excellency the Australian Ambassador, at his residence. Officers and scientists were invited to luncheon by the Australian Military Attache and his wife, followed by a conducted shopping tour. A childrens party was held on board on 6th June for 73 children of ALRI personnel. Officers and scientists visited the ALRI Hydrographic Office on 6th June, and the following day 35 ALRI officers, scientists and cadets from the Hydrographic Branch were taken on a conducted tour of H.M.A.S. DIAMANTINA and entertained in the Wardroom. On 7th June, 15 personnel were entertained to an evening reception at the house of the Hydrographer, ALRI, Kolonel Aris Munandar.

5. The visit was successful in fostering the already friendly relations enjoyed with the ALRI Hydrographic Service and other ALRI personnel in Djakarta. The port of Tandjung Priok and the city of Djakarta are lacking in adequate facilities for libertymen. This problem was largely overcome by the generous hospitality of civilian and Service personnel at the Australian Embassy. The excellent organization and assistance provided by the Australian Military Attache was much appreciated, in the unfortunate absence of Captain W.J. Lovell, RAN.
6. At 0930G on Sunday 8th June, H.M.A.S. DIAMANTINA cast off and proceeded to sea. A pilot was not embarked. On clearing harbour, passage was made through the Sunda Strait via the Outer Channel and Great Channel. The Strait was cleared at 2030 and course set 151 speed 13.5 towards the first Station on RANRL Cruise 5/69 in position 11°30 South 107°30 East.
7. The purpose of the cruise was to measure temperatures, salinities, dissolved oxygen and silicates over a large area of the Indian Ocean. Two Nansen Casts were made at each oceanographic station and deep casts to 5000 metres at Stations 1, 2, 3, 4, 13 and 17. In addition, acoustic measurements were made of bottom reverberation, bottom reflectivity and volume reverberation from 1 hour before to 1 hour after sunset on each day from 9th to 17th June. Results are to be compared with those obtained in the Coral Sea in 1968. Bathythermograph readings to 900 feet were obtained every 60 miles along the track and at all stations. Speed on passage was 13.5 knots. Details of stations are given in Appendix 5. H.M.A.S. DIAMANTINA chopped to the operational control of the Naval Officer-in-Charge, West Australia Area at 1900G on Tuesday 10th June. Clocks were advanced to Zone HOTEL (-8) at 2320G on Wednesday 11th June.
8. The Quarterly Full Power Trial was conducted during the early afternoon of Tuesday 17th June and the final acoustic station was completed at 1900H that evening. On completion, course was set southward at 13.5 knots for the coastal passage to Fremantle, passing to seaward of the Wallabi and Pelsart Groups. Rottnest Island light was raised at 0605H on Friday 20th June and the ship berthed starboard side to "F" Berth Victoria Quay, Fremantle at 1010H.
9. The ship remained alongside for the remainder of the month for Self Maintenance and mid-winter leave. A move was made by tugs to "H" Berth Victoria Quay at 1110H on Monday 23rd June.
10. Thirty one Ordinary Seamen completed their common sea training and will be posted out in early July. A new training class is in the process of joining.
11. The morale and health of the ship's company have been satisfactory during the period under report.

I have the honour to be,

Sir,

Your obedient servant.



(J.E. BUCHANAN)
LIEUTENANT COMMANDER RAN
COMMANDING OFFICER.

For Information:

The Flag Officer Commanding, H.M. AUSTRALIAN FLEET.

The Hydrographer, RAN . Garden Island.

APPENDICES

Appendix 1 Note:- Figures at (a) to (d) are given for the period 1st to 30th June, 1969.

(a)	Miles steamed during the month					3593.4
(b)	Hours underway during month					350.49
(c)	Total distance steamed since commissioning					316415.6
(d)	Total hours underway since commissioning					32435.31
(e)	<u>Date</u>	<u>Hours</u>	<u>Average Speed</u>	<u>Distance/Ton</u>	<u>Ton/Hour</u>	<u>Reason</u>
	17th June	3	16.7	7.45	2.24	Quarterly Full Power Trial.

Appendix 2

Exercises

Nil

Daily fire drills in harbour.

Appendix 3

Sport

Djakarta - 5th June Soccer - DIAMANTINA 1 ALRI 13
6th June Volleyball - DIAMANTINA 0 ALRI 5.

Appendix 4

Calls paid and returned on 4th June, 1969.

<u>Time Paid</u>	<u>Called on</u>	<u>Time Returned</u>
0935	The Commander KODAMAR III, Rear Admiral Harjono Nimpuno.	1230
1020	Deputy I (Operations) to the Commander-in-Chief, ALRI, Rear Admiral R Soebono	-
1040	The Hydrographer, ALRI, Colonel Aris Munandar.	1240
1115	His Excellency the Australian Ambassador to Indonesia, Mr. G.A. Jockel.	1245

APPENDICES (page 2)

Appendix 5

STATIONS OCCUPIED IN THE INDIAN OCEAN FROM 9TH TO 17TH JUNE 1969
- RANRL CRUISE DM 5/69,

<u>STATION DESIGNATOR</u>	<u>POSITION</u>	<u>DATE/TIME</u>	<u>REMARKS</u>
-	10 45S 107 07.5E	091635 - 091836G	Scattering
1	11 29S 107 28.0E	092230 - 100122G	Nansen Casts
-	11 07.5S 108 15.5E	100550G	Bathy.
-	10 46.0S 109 16.0E	101016G	Bathy.
2	10 30.0S 109 59.0E	101421 - 102140G	Nansen Casts and Scattering
-	11 01.5S 109 50.5E	102359G	Bathy.
3	11 34.5S 109 56.0E	110225 - 110511G	Nansen Casts
-	11 45.5S 110 47.5E	111000G	Bathy.
-	11 54.8S 112.05.0E	111611 - 111824G	Scattering
4	12 00.0S 113 02.0E	112255G- 120301H	Nansen Casts
-	12 02.8S 114 05.0E	120750H	Bathy.
5	12 03.0S 115 05.0E	121224 - 121450H	Nansen Casts
-	11 21.5S 115 11.0E	121700 - 121912H	Scattering
6	11 01.5S 115 28.4E	122240 - 130045H	Nansen Casts
-	11 13.0S 116 15.0E	130426H	Bathy.
7	11 20.0S 116 52.5E	130730 - 130928H	Nansen Casts
-	11 07.5S 117 39.5E	131330H	Bathy.
8	11 00.0S 118 20.5E	131650 - 132015H	Nansen Casts and Scattering
-	11 45.0S 119 05.0E	140104H	Bathy.
10	12 30.8S 119 51.5E	140615 - 140822H	Nansen Casts
-	13 07.5S 119 58.0E	141059H	Bathy.
11	13 29.5S 120 00.5E	141240 - 141433H	Nansen Casts
-	13 29.8S 119 26.0E	141640 - 141850H	Scattering
12	13 29.3S 118 31.0E	142225 - 150020H	Nansen Casts
-	13 28.2S 117 44.5E	150325H	Bathy.
13	13 28.1S 116 59.8E	150640 - 151235H	Nansen Casts
-	13 27.0S 116 15.0E	151525H	Bathy.
-	13 27.5S 115 56.0E	151700 - 151905H	Scattering
14	13 28.3S 115 29.8E	152055 - 152245H	Nansen Casts
-	13 29.0S 114 42.0E	160150H	Bathy.
15	13 29.8S 113 56.5E	160500 - 160655H	Nansen Casts
-	14 11.0S 113 54.5E	161000H	Bathy.
16	14 58.0S 114 00.0E	161350 - 161537H	Nansen Casts
-	15 08.0S 114 11.6E	161700 - 161906H	Scattering
-	15 37.2S 114 49.5E	162235H	Bathy.
17	16 06.0S 115 27.0E	170215 - 170513H	Nansen Casts
-	18 53.0S 114 30.0E	171655 - 171901H	Scattering.

H.M.A.S. DIAMANTINA,
at Fremantle.
30th June, 1969.

The Director,
Bureau of Meteorology,
P.O. Box 1289K,
MELBOURNE. 3001.

H.M.A.S. DIAMANTINA - RADIOSONDE AND WEATHER OBSERVATIONS
- QUARTER ENDED 30TH JUNE, 1969.

1. The following report of Radiosonde Observations made from H.M.A.S. DIAMANTINA during the period 1st April to 30th June, 1969 is forwarded.
2. A total of 63 successful flights were made during the period with 8 failures, details of which are as shown.

(a) Transmitter failed to unwind	2
(b) Waterlogged	1
(c) Premature Bursts	2
(d) Transmitter failure	1
(e) Baroswitch failure	1
(f) Relay failure	1

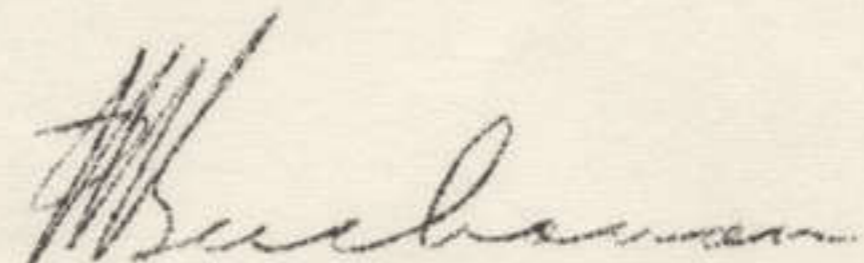
In addition to these, ~~there~~ were nine occasions when flights were not attempted due to inclement weather (4) ship borne equipment failures (2) and inaccessability of meteorological equipment due to ship maintenance (3).

3. Ship movements and flight details were as follows:-

1 April	-	12 April	at Sydney.
13 April	-	16 April	Passage coastal to Brisbane.
16 April	-	17 April	at Brisbane.
17 April	-	22 April	Sonde Flights Coral Sea.
23 April	-	26 April	Sonde Flights Solomon Sea.
27 April	-	28 April	Sonde Flights Coral Sea.
29 April	-	4 May	at Port Moresby.
5 May	-	6 May	Sonde Flights Coral Sea.
7 May	-	12 May	Sonde Flights Arafura Sea.
13 May	-	21 May	at Darwin.
21 May	-	31 May	Sonde Flights Indian Ocean
1 June			at Christmas Island
2 June	-	4 June	Approaching Djakarta (noflights)
4 June	-	8 June	at Djakarta
9 June	-	17 June	Sonde Flights Indian Ocean
18 June	-	20 June	Passage coastal to Fremantle.
21 June	-	30 June	at Fremantle.

Results of all flights and routine surface observations were reported by signal to Essendon.

4. Apart from two failures, ship borne equipment has operated very satisfactorily during the period. It is at present undergoing routine maintenance and test at the Perth Regional Office.
5. Radiosonde flights and weather observations will recommence on 31st July, 1969.



(J.E. BUCHANAN)
LIEUTENANT COMMANDER RAN
COMMANDING OFFICER.

RESTRICTED

DEPARTMENT OF THE NAVY

18-6-1987

1ST JULY TO

Report of Proceedings: 4TH SEPT. 1969

HMAS DIAMANTINA

AS(NS) 24/9

D OF O 24/9

DCNS 24/9

1NM

NOICWA is to be asked - reason for delay in forwarding July R.O.P. 26/9

~~AS(NS) 26/9~~

Actioned separately in file no. 18/6/1609

28/9

2NM 2/10

3NM 2/10

4NM 6/10

SEC 8/10

C OF S 9/10

AS (NS) (NS55)

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39-1522

DEPARTMENT OF THE NAVY

NAVAL STAFF OFFICE,
P.O. BOX 58
FREMANTLE, W.A., 6160.

The Secretary,
Department of The Navy,
Navy Office,
CANBERRA. A.C.T. 2600.

17 SEP 1969

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS

The attached Reports of Proceedings for the months of
July and August are forwarded in duplicate.

NAVAL OFFICER-IN-CHARGE
WEST AUSTRALIA AREA

(Encls)

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21	4	
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13 AUG 1969		
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H.M.A.S. DIAMANTINA
at Sea.

2nd August, 1969.

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS.
1ST JULY TO 1ST AUGUST, 1969.

Sir,

1. I have the honour to report the proceedings of Her Majesty's Australian Ship DIAMANTINA under my command for the period 1st July to 1st August, 1969. All times are in zone H (-8).
2. H.M.A.S. DIAMANTINA was in Fremantle Harbour for Long Self Maintenance and mid winter leave period until 29th July. Berth was shifted by tugs from H Berth, Victoria Quay to No. 2 Berth, North Quay on 25th July.
3. The change over of ORD/JR Training classes was completed and a new class of 35 Junior Recruits joined by 7th July, 1969.
4. Six scientific personnel, led by Professor L.V. HAWKINS of the University of New South Wales, embarked for cruise DM 3/69 which is a combined undertaking by the University of New South Wales and the Lamont - Doherty Geological Observatory of Columbia University, New York. The cruise is a seismic survey to determine sediment thickness and crystal structure of the sea bottom in the Continental Shelf and deep ocean areas off the Western and North Western coasts of Australia, and north to the Timor Trough. Continuous soundings and magnetometer profiles will also be taken.
5. Assistance was given by ships staff in the construction of two 10 foot towing booms for hydrophone arrays, erection of a 50 foot radio antenna on the balloon filling hut, and fitting of a large (5000 lb/sq.in.) air compressor on shock mountings on deck, near the engineroom skylight.
6. At 0830 on 29th July, H.M.A.S. DIAMANTINA cast off and proceeded to Woodman's Point, anchoring off the Explosives Jetty at 0945. 22½ tons of explosives were embarked for use as underwater sound sources during the cruise. At 1400 the ship weighed and proceeded north of Rottnest Island to position 31° 33S 114° 50E (clear of the Continental Shelf) after which course was set 297° speed 6 for the first leg of the cruise.
7. At 1600 the ship commenced streaming gear, which included the pneumatic sound source, sensitive hydrophone arrays, and magnetometer. From the outset, scientific personnel experienced difficulty with nearly all their equipment, and spent many hours repairing, adjusting and testing it. The most serious defect was in their air compressor, for which no spare parts had been provided.



....2/..

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- 2 -

This machine parted its drive belting several times, and by 31st July after **several** repairs by ships staff, all ship's supply of belting was exhausted. It was decided to return to Fremantle for purchase of more belting and other spares, and adjustments to the compressor.

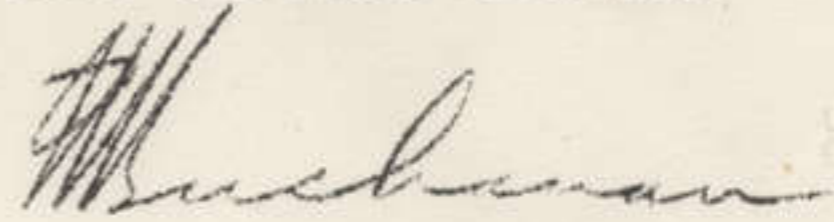
8. At 1500 on 31st July course was reversed to 116 and the ship returned to Fremantle at 17 knots, arriving at H Berth Victoria Quay at 0850 on 1st August. Berth was shifted by tugs to No.9 Berth, North Quay at 1330. After repairs and testing of the compressor H.M.A.S. DIAMANTINA sailed at 0830 the following morning.

9. The morale and health of the Ship's Company have been satisfactory during the period under report.

I have the honour to be,

Sir,

Your obedient servant.



(J.E. BUCHANAN)
LIEUTENANT COMMANDER, R.A.N.
COMMANDING OFFICER.

For information;

The Hydrographer, R.A.N., Garden Island.

RESTRICTED

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APPENDICES.

Appendix 1.

(a)	Miles steamed during the month.	456.0
(b)	Hours underway during the month.	59.15
(c)	Total distance steamed since commissioning.	316,871.6
(d)	Total hours underway since commissioning.	32,494.46
(e)	Occasions of exceeding economical speed;	

<u>Date</u>	<u>Hours</u>	<u>Average Speed</u>	<u>Distance/Ton</u>	<u>Ton/Hour</u>	<u>Reason.</u>
31Jul/ø1Aug.	15	16.8	7.65	2.2	To return to Fremantle to effect repairs.

Appendix 2.

Exercises. Exercise divers. 1.
Navigating Officer bring ship alongside. 1.
Daily fire drills.
Annual Rifle Course was held for 25 members of the ship's company.

Appendix 3.

Sport.

2nd July. Australian Rules LEEUWIN/DIAMANTINA (1-5) v RAAF Pierce (11-17)
6th July. Australian Rules DIAMANTINA (5-6) v Swan Taxis (31-26)
9th July. Australian Rules LEEUWIN/DIAMANTINA (4-2) v Army side (9-15)

In addition lunch time Volleyball has been played on the wharf, on an inter-mess basis.

RESTRICTED

H.M.A.S. DIAMANTINA
at Fremantle.

8th September, 1969.

C1.16.2

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS.
2ND AUGUST TO 4TH SEPTEMBER, 1969.

I have the honour to report the proceedings of Her Majesty's Australian Ship DIAMANTINA under my command for the period 2nd August to 4th September, 1969. All times are in Zone -8(H).

2. At 0830 on 2nd August, H.M.A.S. DIAMANTINA cast off from No.9 , North Quay Fremantle and proceeded in continuation of cruise DM 3/69. After passing North of Rottnest Island, the ship proceeded to position 31°35S 114° 52E, clear of the Continental Shelf, streamed the magnetometer and set course 337° speed 13 for the Northern Survey Areas on the Exmouth Plateau and Timor Trench.
3. At 1025 on Sunday 3rd August the first sonobuoy was laid and thereafter seismic reflection and refraction profiling was carried out until 8th August. Track co-ordinates are given in Appendix 4. Passage speed whilst towing the air gun and hydrophone arrays varied between 7 and 9 knots, according to weather conditions. The air gun fired underwater every 10 seconds approximately, with a noise level slightly less than a 40/60 cartridge, and the resultant "reflection profile" was obtained continuously on passage, in the same manner as an echosounder trace. On 2 occasions "recoverable" sonobuoys were laid and seismic charges exploded at varying range to produce a "refraction profile" which in addition to reflection data gives a measurement of sound velocity in the various sub bottom strata. These buoys were subsequently recovered. However in view of the slow passage speed and delay caused by stoppages of the air compressor or air gun, and interference from necessary ships radio transmissions, it was finally decided to lay disposable sonobuoys only. These gave a good refraction profile out to a limited range, using the air gun in place of seismic charges. Magnetometer readings were obtained throughout, and the ships deep echosounders generally worked well during the cruise.
4. On 4th August, Action Stations, Emergency Stations and Leaving Ship Stations were exercised.
5. Towed arrays were recovered at 1140 on 8th August and course was set 103 speed 12 for Port Hedland. Cornelisse Shoal Light buoy in the approaches to Port Hedland was raised at 0555 on 9th August. After stopping at 0800 to embark the Pilot, H.M.A.S. DIAMANTINA proceeded up the buoyed channel berthing at the Town Wharf at 0900.

....2/..

6. At 1000 on 9th August I called on the Shire President, Mr J.L.Hunt, and at 1200 a luncheon was held on board for 25 guests, including several members of the local Lions Club, who had requested the presence of a Naval ship for the weekend, on the occasion of Port Hedland's annual "Spinifex Spree". This took place on Saturday evening, and included a float parade, ~~sideshows~~ and general carnival atmosphere. Libertymen enjoyed the evening, and took on the town's bravniest citizens (unsuccessfully) at the tug-o-war. Bus trips to Mount Newman iron ore shipping terminal and the Lesloy Salt Company were arranged on Sunday forenoon, where the managers kindly gave personally conducted tours. Tennis and Australian Rules matches took place PM, and on Sunday evening Lions Club members entertained the ship's company to drinks at the communal hall. Local hospitality was generous. Port Hedland is noted for its iron-ore dust, but fortunately there was little wind during the weekend and the dust problem did not become acute.
7. The ship remained alongside for testing of Scientists' equipment on Monday 11th and sailed at 0800 on Tuesday 12th August.
8. After clearing the Channel at 1005 course was set towards the Exmouth Plateau at 13 knots. Sub-bottom reflections for Leg 2 commenced at 1820 and track co-ordinates **are shown in Appendix 4**. At 1800 on Wednesday 20th August H.M.A.S. DIAMANTINA approached Ashmore Reef from the Westward and passed within 6 miles of West Islet. There was a considerable stretch of disturbed water close to the reef, possibly due to the meeting of the North and South sections of the strong westerly tidal stream experienced at the time. After clearing Ashmore Reef, passage was made north to about 14 miles clear of Roti Island, off Timor, thence as shown in Appendix 4. Some interesting soundings, varying widely from the charted depth were taken over Sabul Bank.
9. On 19th August, Action Stations were exercised and a 40/60 gun functioning firing was carried out.
10. At 2340 on 21st August, towed arrays were recovered and course set 125 speed 12. Cape Gantheaume was raised by radar at 0630 on 23rd August, and after stopping to embark a Pilot, H.M.A.S. DIAMANTINA berthed alongside the Broome wharf at 0900.
11. Two hours later at 1100 the ship cast off and proceeded to clear the berth for MV EMMA BAKKE, and at 1225 re-berthed alongside the merchant ship. At 1230 a luncheon was held on board for 25 guests. Entertainment for the ship's company included dancing at the local hotel on Saturday night, and basketball and Australian Rules Football matches PM on Sunday. The latter was followed by an evening barbeque. At 0800 on Monday 25th August berth was shifted aft for refuelling. Broome is not a normal "bunkering port", and the pumping rate was unexpectedly slow. On completion of fuelling at 1830 H.M.A.S. DIAMANTINA cast off and proceeded to sea for Leg 3 of the cruise.
12. On clearing the Broome approaches, course was set 296 speed 13 towards the Exmouth Plateau. Towed arrays were streamed at 0020 on 26th August, and track co-ordinates until 2nd of September are shown in Appendix 4. Seismic data was gathered over the Exmouth Plateau and the Cuvier Abyssal Plain, some of which was completely uncharted bathymetrically.
13. Emergency Stations were exercised on 30th August, and on 1st September a 40/60 firing was carried out using hydrogen balloon targets. Two balloons were shot down.

14. At 0940 on 2nd September towed arrays were recovered, and course was set southward at 13 knots for Fremantle. Rottnest Island Light was raised at 0320 on 4th September and the ship proceeded to anchor at Woodmans Point at 0800 to unload the large balance of unused seismic charges. Anchor was weighed at 1120 and H.M.A.S. DIAMANTINA proceeded to Fremantle, berthing at No.4 North Quay at 1215.

15. Despite the slow rate of daily advance and the decision to use short range sonobuoys only, scientific personnel were pleased with the data gathered during the cruise. Provision of a second air compressor for alternate use would have improved the situation, as the only machine fitted was expected to produce 3000lb pressure for 23 hours per day and understandably failed on occasions, necessitating a reversal of course to "pick up the profile" where it had stopped. Ships staff expended a very large maintenance effort on the Scientists' air compressor, including re-making of one main bearing in the diesel engine, with worthwhile results as regards the success of the cruise. The equipment provided by scientists was generally complex and had not been fitted on board before. The initial difficulties outlined in my July Report of Proceedings could be resolved on a future occasion by a preliminary period of sea trials.

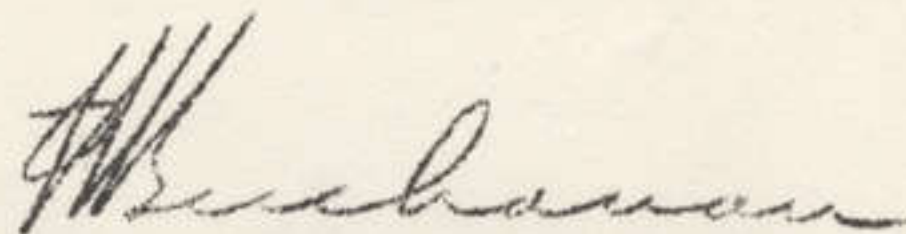
16. Personnel from the University of New South Wales and Columbia University, New York impressed the ship's company by their friendly and co-operative attitude towards officers and sailors alike.

17. For ship's personnel the monotony of sea passages was broken by two enjoyable port visits, and by regular recreational activities, such as quizzes, tumbola and cinema shows whilst at sea. Health and morale have been satisfactory during the period under report. . . .

I have the honour to be,

Sir,

Your obedient servant.



(J.E. BUCHANAN)
LIEUTENANT COMMANDER, R.A.N.
COMMANDING OFFICER.

For Information;

The Hydrographer, R.A.N., Garden Island.

APPENDICES.

Appendix 1.

(a)	Miles steamed during the month.	5,067.5
(b)	Hours underway during the month.	586.0
(c)	Total distance steamed since commissioning.	321,939.1
(d)	Total hours underway since commissioning.	33,080.48

Appendix 2.

<u>Exercises.</u>	Seamanship.	Danbuoys 2. (without mooring, for oceanography.)	
		Laid out gear on deck.	1. Jackstay.
			2. Tow aft.
			3. Tow forward.
	N.B.C.D.	Action Stations.	2
		Emergency Stations.	2
		Leaving Ship Stations.	2
		Wear Respirators - 15 minutes.	1
		First Aid Party Instructions.	4
		Fire & Repair Party Instructions.	1
		Forward Fire & Repair Party Instruction.	1
		After Fire & Repair Party Instruction.	1
		ORDS Fire Fighting Instruction.	1
		Close down to State 1 Condition Z.	4
		Test N.B.C.D. Communications.	4
		Flooding and Shoring.	2
		Run Emergency Electrical Leads.	2
		Exercise First Aid Party.	1
	GUNNERY.	40/60 MM Shoot.	2
		Small Arms Shoot.	1
		Guard Drill.	2
	GENERAL.	Steering Breakdown.	4

Appendix 3.

Sport. PORT HEDLAND.

Australian Rules FINUCANE ISLAND 4-6 v Goldsworthy Mining Co 19-14.
(7 DIAMANTINA's played for Goldsworthy.)
Tennis DIAMANTINA 0 PORT HEDLAND 3.
Golf Six played in social game.

BROOME.

Australian Rules DIAMANTINA 9-9 v TOWNS 5-7
Basketball BROOME 40 v DIAMANTINA 12

AT SEA.

Clay Pigeon shoot.
Regular dogwatch "keep fit" classes for volunteers.

APPENDIX 4.

CRUISE DM 3/69 - PASSAGE CO-ORDINATES AND DETAILS.

LEG 1.

<u>TIME.</u>	<u>LAT(S).</u>	<u>LONG(E).</u>	<u>REMARKS.</u>
021350	31 35	114 52	Streamed Magnetometer. Passage North.
022359	29 51	113 56.5	
031026	28 04	112 25	Laid recoverable sonobuoy. (Refraction profile) a/c continue passage.
031925	27 39	112 04.9	
040520	25 31.6	111 23.2	
041038	24 22.7	111 32.5	
041500	24 01.2	112 28.5	Stream towed arrays and airgun. Commence sub bottom seismic reflections at 1824.
041600	23 59.8	112 23	
051245	22 01	110 40	
060855	20 22	112 37.3	
061330	19 45.5	112 37.3	
061928	20 13	113 05.1	
070817	20 54	114 35.5	
071030	20 49	114 21.2	
071438	21 01	114 47.6	
071930	20 32.5	114 45	
080505	19 23	115 40	Laid recoverable sonobuoy and refraction profile. o/c proceed Port Hedland.

LEG 2.

121110	19 54.9	118 14.2	Streamed Magnetometer.
121640	19 19.5	117 00.9	Stream towed arrays and airgun. Commence sub bottom seismic reflections at 1820.
131915	17 40.8	113 34.5	
140640	14 48.8	112 13	
141528	17 45.5	111 49.2	Launched disposable sonobuoy. (1½ hours refraction profile) o/c continue reflection profile.
150710	18 49	113 16.5	
151230	19 05	113 41.5	Stopped for recoverable sonobuoy and refraction profile. Recovered 1930. o/c continued reflection profile.
161530	19 54	114 51	Launched disposable sonobuoy. 1½ hours refraction profile. o/c continue reflection profile.
161855	20 08.5	115 11.3	
170125	19 46.2	115 56.5	
170980	18 45	116 07.8	
171600	18 06.8	116 12	Launched disposable sonobuoy, 1½ hours refraction profile. o/c continued reflection.
171915	17 44.8	116 14.8	
180615	16 27.5	116 44.1	
181340	15 30.5	117 02	
182200	14 30.5	118 20.5	
190600	14 13.5	119 27	
191450	13 46	120 39.5	Launched disposable sonobuoy, 1½ hours refraction profile. o/c continued reflection.
200655	13 07.5	122 22.5	
201540	12 14.8	122 39	Approach to Ashmore Reef. Departed 1730.

....2/..

201930	11 57.5	122 52	
210100	11 15	123 5.9	
210735	10 39	123 43.5	
210920	10 50.3	123 54.5	Launched disposable sonobuoy, refraction then continued reflection.
211800	11 29	124 26.2	
212100	11 46.5	124 41.8	
212340	12 04.8	124 32.6	Recover towed arrays except magnetometer thence passage to Broome.
221615	15 07	122 39	Recover magnetometer continue to Broome.

LEG 3.

252042	17 44.8	122 04	Streamed magnetometer.
260013	17 24.5	121 17.8	Streamed towed arrays, reflection profile throughout except;-
261017	17 07 0	120 21.2	Launched disposable sonobuoy, refraction.
261537	16 59.8	119 43	Launched disposable sonobuoy, refraction.
261930	16 53.5	119 25.8	
271410	15 51.8	117 16	Launched disposable sonobuoy, refraction.
271610	15 46.3	117 08	
280220	15 47.0	115 46	
281520	16 56.5	114 59	Launched disposable sonobuoy, refraction.
290538	17 58	114 18	Launched disposable sonobuoy, refraction.
291420	18 36	113 51.2	Launched recoverable sonobuoy, refraction.
292230	19 19	113 22	Launched recoverable sonobuoy, refraction.
300045	19 29.2	113 15	
301335	19 28	112 04.3	Launched recoverable sonobuoy, Non-functioning. Launched second buoy, refraction.
311200	19 22	109 32	Launched disposable sonobuoy, refraction.
311745	19 20	108 48	Recovered towed arrays. Passage 13 knots to edge of Continental Shelf.
010827	21 54	109 19	
012015	22 52.2	110 40	
020515	23 45.5	111 16.5	Compressor unserviceable.
020940	24 00	111 24	Towed arrays recovered (except magnetometer) Course set for Fremantle.

18.6.1669

DEPARTMENT OF THE NAVY

HMAS DIAMANTINA

Report of Proceedings

5 SEPT -
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28/10/69

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18 6 1669

COMMONWEALTH OF AUSTRALIA

REF. NO. 21/4



TELEPHONE.
39-1522

DEPARTMENT OF THE NAVY


NAVAL STAFF OFFICE,
P.O. BOX 58
FREMANTLE, W.A., 6160.

23 OCT 1969

The Secretary,
Department of the Navy,
Navy Office,
CANBERRA. A.C.T.

HMAS DIAMANTINA : REPORT OF PROCEEDINGS

The attached Report of Proceedings for the month
of September 1969 is forwarded in duplicate.


NAVAL OFFICER IN CHARGE
WEST AUSTRALIA AREA

 Encl.

HMAS DIAMANTINA,
at Sea.

C1.16.2

3rd October, 1969

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.

HMAS DIAMANTINA - REPORT OF PROCEEDINGS
5TH SEPTEMBER TO 2ND OCTOBER, 1969

I have the honour to report the proceedings of Her Majesty's Australian Ship DIAMANTINA under my command for the period 5th September to 2nd October, 1969. All times are in Zone -8(H).

2. From 5th to 8th September, HMAS DIAMANTINA remained alongside number 4 Berth, North Quay, Fremantle. Equipment from the previous cruise was unloaded and preparations were made for the forthcoming cruise, DM4/69 undertaken on behalf of the Commonwealth Scientific and Industrial Research Organization.
3. At 0930 on Tuesday 9th September, HMAS DIAMANTINA cast off and proceeded with four CSIRO personnel embarked under the leadership of Mr. D. Ritz. After clearing harbour, Seamanship drills were exercised in Gage Roads before carrying out the first hydrology station in position 32.00 South 115.24 East at 1600.
4. The cruise was divided into two main parts. Firstly a series of NNW and SSE traverses were made between longitude 111.00 East and 113.00 East and latitudes 29.00 South and 31.00 South. Secondly a concentrated study was made around a 55 mile square between Jurien Bay and Port Denison, south of Geraldton. Additionally whilst on passage out to the western side of the traverses, the SCOR-UNESCO Reference Station was occupied in position 32.00 South, 111.50 East.
5. The object of the cruise was a continuation study of the distribution and movement of the larval stages of the West Australian Crayfish, together with hydrological conditions and circulation of the water masses off the West Australian coast. The programme included hydrological casts to ascertain temperature, salinity, oxygen, nitrate and inorganic phosphates in predetermined positions and surface and midwater trawls with plankton nets at hourly intervals throughout each night.
6. The SCOR-UNESCO Reference Station was completed at 0920 on Wednesday 10th September and HMAS DIAMANTINA then followed the NNW/SSE traverses carrying out hydrological casts at 0630 and 1930 daily, and trawls throughout the nights.
7. Spare time between hydrology stations was utilized for seamanship drills, and Damage Control and other exercises were carried out as listed in Appendix 2.
8. Identities were exchanged with INS DELHI at 0830 on 15th September on passage to Fremantle.

....2/....

9. The traverses were completed at 0740 on Wednesday 17th September and the first station on the 55 mile square was occupied at 1530 on the same day. On completion of the circuit at 0335 on Saturday 20th September course was set to the southwards towards Leschenhault Reef for trawls overnight. A Quarterly Full Power Trial was conducted on passage with good results.

10. Due to collapse of the trawl net the scientists abandoned the last three trawls and HMAS DIAMANTINA proceeded to Fremantle. Rottneest Island light was raised at 0110 and the ship entered Fremantle Harbour securing at No. 8 North Quay at 0830 on 21st September. After INS DELHI cleared the harbour at 1235, berth was shifted to H Wharf, Victoria Quay.

11. CSIRO scientists were pleased with results obtained on the cruise. A total of 38 Hydrology casts and 39 trawls were made. Despite repeated efforts by ship's staff to repair the EDO/PDR deep echosounder, it remained unserviceable throughout the cruise and no soundings were obtained. URDEF action has been taken.

12. HMAS DIAMANTINA commenced an 8 day Self Maintenance Period on 22nd September.

13. At 0900 on Monday 30th September the Ship's Company was paraded at Divisions and you arrived onboard for your Annual Harbour Inspection, departing on completion of walk round at 1145.

14. You embarked again at 0830 on Wednesday 1st October, and at 0835 HMAS DIAMANTINA cast off and proceeded to Gage Roads for your Annual Sea Inspection. On completion of seamanship, damage control and other drills, the ship returned to F Berth Victoria Quay at 1130.

15. At 0830 on 2nd October, HMAS DIAMANTINA sailed for Cruise DM5/69.

16. The state of health onboard and the morale of the Ship's Company have been satisfactory during the period under report.

I have the honour to be,

Sir,

Your obedient servant



(J.E. BUCHANAN)
LIEUTENANT COMMANDER RAN
COMMANDING OFFICER

For Information:

The Hydrographer, RAN, Garden Island.

APPENDICES

Appendix 1.

(Note: Figures refer to the month 1st - 30th September, 1969)

(a)	Miles steamed during month			3,002.6	
(b)	Hours underway during month			368.43	
(c)	Total distance steamed since commissioning		324,941.7		
(d)	Total hours underway since commissioning		33,449.31		
(e)	Occasions of exceeding economical speed.				
	<u>Date</u>	<u>Hours</u>	<u>Ave. Speed</u>	<u>Distance/Ton</u>	<u>Ton/Hour</u>
	20 September	1	17.2	7.8/Ton	2.31

Reason: Quarterly Full Power Trial

Appendix 2.

<u>Exercises:</u>	Seamanship.	Danbuoy	1
		Man Overboard Swimmer Recover	3
		Seaboat Drills	7
		Shiphandling by OOW	5
NBCD.	Action Stations	2	
	Emergency Stations	4	
	Leaving Ship Stations	3	
	First Aid Party Instructions	3	
	Close down to State 1 Cond. Z	2	
	Communications Exercise	1	
	Shoring	2	
Gunnery.	Guard Drill	1	
General.	Steering Breakdowns	4	

Appendix 3.

Sport: Nil except for Keep Fit Classes daily at sea.

Appendix 4.

Officers Movements. LEUT SLEX J.H. Gault was posted on 6th September to HMAS SAMARAI.

HMAS DIAMANTINA,
at Sea.

21-2-8

3rd October, 1969

The Director,
Bureau of Meteorology,
GPO Box 1289K,
MELBOURNE, Vic. 3001.

HMAS DIAMANTINA RADIOSONDE & WEATHER OBSERVATIONS -
QUARTER ENDED 30TH SEPTEMBER, 1969

1. The following report of RadioSonde Observations made from HMAS DIAMANTINA for the period 1st July to 30th September, 1969 is forwarded.

2. Results varying from Nil to Moderate were obtained from 5th August to 2nd September, despite the efforts of ship's personnel and your technicians at Port Hedland and Broome who gave every possible assistance. Firstly difficulty occurred due to another aerial installed by scientists in proximity to the sonde aerial. When this was overcome, further trouble occurred due to a faulty aerial connection. Finally a receiver fault was located and rectified by your technician in Fremantle.

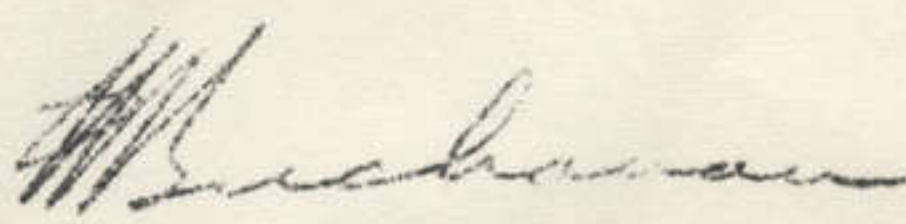
Since 9th September, the equipment has worked well. In all, 40 successful flights were made.

3. Ship movements and flight details for the quarter were as follows:-

1 July	- 29 July	at FREMANTLE
30 July	- 31 July	Sonde flights - West Coast
1 August	- 2 August	at FREMANTLE
3 August	- 4 August	Coastal Passage
5 August	- 7 August	No flights - U/S equipment
8 August		Coastal Passage
9 August	- 12 August	at PORT HEDLAND
12 August	- 20 August	Sonde flights - Indian Ocean
21 August		Off TIMOR - No flights
22 August		Coastal Passage
23 August	- 25 August	at BROOME
26 August	- 2 September	Sonde flights - Indian Ocean
4 September	- 8 September	at FREMANTLE
9 September	- 17 September	Sonde flights - Indian Ocean
18 September	- 20 September	Coastal Passage
21 September	- 30 September	at FREMANTLE

Results of all flights were reported by signal to Weather Perth.

5. RadioSonde flights recommenced on 2nd October, 1969.


(J.E. BUCHANAN)
LIEUTENANT COMMANDER RAN
COMMANDING OFFICER

18.6.1718

DEPARTMENT OF THE NAVY

HMAS DIAMANTINA

Report of Proceedings 348 NOV 1969

2ND OCT →

AS(NS) *[Signature]* 2/12

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DCNS *[Signature]*

1NM *[Signature]*

2NM *[Signature]*

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4NM *[Signature]*

SEC *[Signature]*

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AS (NS) (NS55)

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7 Dec A.M.
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18	6.	1718

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39-1522

DEPARTMENT OF THE NAVY


NAVAL STAFF OFFICE,
P.O. BOX 58
FREMANTLE, W.A., 6160.

26 NOV 1969

The Secretary,
Department of the Navy,
Navy Office,
CANBERRA A.C.T. 2600

H.M.A.S. DIAMANTINA - REPORT OF PROCEEDINGS

The attached report of proceedings for the month of
October 1969, is forwarded in duplicate.


NAVAL OFFICER-IN-CHARGE
WEST AUSTRALIA AREA

HMAS DIAMANTINA,
at Fremantle.

C1.16.2

4th November, 1969

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.

HMAS DIAMANTINA - REPORT OF PROCEEDINGS 2ND OCTOBER
TO 3RD NOVEMBER 1969

Sir,


I have the honour to report the proceedings of Her Majesty's Australian Ship DIAMANTINA under my command for the period 2nd October to 3rd November, 1969. All times are in Zone -8(H).

2. At 0830 on Thursday 2nd October, HMAS DIAMANTINA cast off and proceeded for cruise DM 5/69. Six personnel from the Commonwealth Scientific and Industrial Research Organisation were embarked under the leadership of Mr. R. Cowper.
3. Cruise DM 5/69 was a repetition of Cruise DM 4/69 except for additional hydrology stations occupied between the NNW-SSE traverses. Also a G.E.K. (Geomagnetic Electro Kinetograph) was towed by day on passage between hydrology stations. This device, consisting of a 200 yard buoyant cable with two electrodes attached, measures the component of surface current at right angles to the ship's track. To ascertain the component along the track the ship is turned 90° either way, and true surface current is resolved from the two vectors.
4. The SCOR UNESCO Station in position 32.00 South 111.50 East was completed at 0810 on Friday 3rd October and HMAS DIAMANTINA then followed the predetermined NNW/SSE traverses completing these at 0540 on Friday 10th October. The first Station on the 55 mile square was occupied at 1255 on the same day and the whole circuit completed at 0335 on Monday 13th October.
5. Course was then set southward for night trawls off Leschenhalt Reef, and passage to Fremantle. Rottnest light was raised at 0450 and the ship berthed at H Wharf Victoria Quay at 0830 on 14th October.
6. On 15th, 16th and 21st October HMAS DIAMANTINA embarked Junior Recruit Training Classes from HMAS LEEUWIN leaving harbour at 0830 and returning to H Wharf by 1400 each day. Seamanship drills were carried out in Gage Roads and ship familiarisation tours were arranged. On the second day five Service Chaplains embarked for the day. A Burial Service was held on the quarterdeck for the scattering of the ashes of two ex-Naval men.
7. A "Family Day" was held on 20th October, sailing for Cockburn Sound at 1000 and returning to berth at 1430. The day was successful despite cold and windy weather.

.....2/

8. At 0830 on Wednesday 22nd October HMAS DIAMANTINA cast off and proceeded on Cruise DM 6/69 with six scientists from CSIRO embarked. The Cruise Leader was Mr. D. Ritz.
9. This cruise was similar to Cruise DM 5/69 except that the G.E.K. was streamed continuously up to the start of the 55 mile square, being recovered only for hydrology Stations. G.E.K. checks for surface currents were made hourly, followed by bathythermograph dips.
10. The SCOR UNESCO and traverse section of the cruise were completed at 0805 on 24th October and 0735 on 31st October respectively, and the first Station on the 55 mile square was occupied at 1315 on the latter afternoon.
11. On the night of 2nd November trawls were accomplished in deteriorating weather; however by 0700 on 3rd November a force 9 gale was blowing from the south-west. Conditions were unsuitable for oceanography and course was set for Fremantle. Rottneest Island Light was raised at 1920 and the ship berthed at H Wharf Victoria Quay at 2130.
12. A total of 87 hydrology casts and 77 trawls were made during the Cruises DM 4, 5 and 6. The CSIRO scientists were very satisfied with the results, despite missing several Stations due to bad weather on 3rd November. The G.E.K. proved its worth and appears to give accurate results. One interesting feature was a clockwise circulation of water bounded by latitudes 29° and 31° South and longitudes 110.30 and 112.30 East, which was confirmed by Bathythermograph results. The PDR again broke down on the first day of Cruise DM 5/69, but following URDEF Action between cruises it worked well during Cruise DM 6/69, except during rough weather when much interference appeared on the trace. This matter is being investigated.
13. Exercises and drills were carried out during both cruises and Junior Recruit training days as shown in Appendix 2. One meteorological balloon was shot down during the 40/60 firing, and nearly the whole ship's company took part in the small arms firing.
14. During Cruise DM 6 an inter-mess Tug-of-War competition aroused much enthusiasm and interest, and daily quizzes, tombola and regular cinema shows continue to brighten an otherwise dull programme. About 30 ship's company members took an active interest in crayfish larvae trawling, and collected private samples with the help and co-operation of CSIRO personnel.
15. Health remains good, and the morale of the ship's company has been satisfactory during the period under report.

I have the honour to be
Sir,
Your obedient servant,


(J.E. BUCHANAN)
LIEUTENANT COMMANDER RAN
COMMANDING OFFICER

For Information:
The Hydrographer, RAN

APPENDICES

Appendix 1.

(Note: Figures refer to the month 1st - 31st October, 1969)

(a) Miles steamed during month	4,060.4
(b) Hours underway during month	510.09
(c) Total distance steamed since commissioning	329,002.1
(d) Total hours underway since commissioning	33,959.40

Appendix 2.

Exercises: Seamanship.	Seaboats	11
	Steering Breakdown	2
NBCD.	Emergency Stations	2
	Action Stations	1
	Leaving Ship Stations	2
	Shoring	1
	First Aid Parties	3
	Close Down to State 1 Condition Z	2
Gunnery.	Small Arms Shoot	2
	40/60 MM	1
TAS.	Demolitions	2
	Divers	2

Appendix 3.

Sport: LCDR D.M. TAYLOR, RN and CMECH N. SORRENSON represented Navy in Inter Service Golf at Royal Fremantle Golf Club on 18th October.
TUG-OF-WAR Competition at sea.

Appendix 4.

Officers Movements:

P/LEUT SLEX C.G.R. SPENCER; RAN joined from Shore (UK) on 20th October.

18.6.1774.

DEPARTMENT OF THE NAVY

4th Nov.

HMAS DIAMANTINA

Report of Proceedings 4th Dec 1969.

AS(NS) 9/1/70.

D of O 12/1

DCNS 12/1

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2NM 12/1

3NM 12/1

4NM 12/1

SECRETARY 12/1

C of S 12/1

DPR 12/1

DSS 12/1
AS(NS) (NS55) 12/1

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NAVY—CANBERRA
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21/4

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39-1522

DEPARTMENT OF THE NAVY

NAVAL STAFF OFFICE,
P.O. BOX 58
FREMANTLE, W.A., 6160.

JAN 6 1970

The Secretary,
Department of the Navy,
Navy Office,
CANBERRA A.C.T. 2600

HMAS DIAMANTINA - REPORT OF PROCEEDINGS

The attached report of proceedings for the month of November 1969, is forwarded in duplicate.

NAVAL OFFICER - IN - CHARGE
WEST AUSTRALIA AREA

Enc.

HMAS DIAMANTINA,
at Fremantle.

C1.16.2

5th December 1969

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.

HMAS DIAMANTINA - REPORT OF PROCEEDINGS 4TH
NOVEMBER TO 4TH DECEMBER 1969

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship DIAMANTINA under my command for the period 4th November to 4th December 1969. All times are in Zone -8(H) except where otherwise stated.

2. On Tuesday 4th November HMAS DIAMANTINA was at H Berth, Victoria Quay, Fremantle and remained alongside until 14th November for maintenance of structure and equipment after bad weather experienced during the previous cruise. Opportunity was also taken for maintenance of main engines and steering gear. Berth was shifted by tug to F Berth, Victoria Quay on 8th November.
3. At about 1120 on 11th November LCDR GLEX R.I. Crawford RAN died suddenly in his cabin. Medical investigation revealed that death occurred from natural causes, and without significant warning. A Requiem Mass was held on board by Chaplain F. Lyons RAN on 12th November.
4. At 0835 on 14th November, HMAS DIAMANTINA cast off and proceeded via Cockburn Channel for the Bulk Handling Jetty, Kwinana, arriving at 1003. 30 tons of explosive stores were embarked from the RAN Armament and Weapon Equipment Depot, BYFORD, and the ship sailed at 1315 for Cruise DM7/69. After clearing Cockburn Channel and South Passage, course was set southward. Explosives were dumped in position 32°10'S 115°00'E in a depth of 300 fathoms, commencing at 1650.
5. On completion of dumping at 1805 on 14th November, course was again set southward. Nansen casts and photometry stations were carried out as listed in Appendix. 5. The purpose of the cruise was a continuation study of ocean characteristics in the Great Australian Bight, testing of the Submarine Photometer which measures light penetration at various depths, and bathymetry. 5 CSIRO personnel were embarked, under the leadership of Mr. D.J. Rochford. The first Nansen cast was at the reference station north of Cape Naturaliste, after which a series of 12 hydrology stations were occupied alternately on the Continental Shelf and in the 3000 fathom trench to seaward. Photometry was carried out at 1000 daily, and results together with depth samples to 100 metres were used to assess the carbon dioxide intake of Phyto-Plankton with the object of determining primary production potential for living organisms in the ocean.
6. Whilst south of Albany on 16th November, investigation was made around a "reported" shoal patch of 85 fathoms on the 300 fathom line about 18 miles south-west of Eclipse Island. A 5 mile box was sounded at half mile spacing, and no shoal was found. Results are being forwarded to the Hydrographer RAN for assessment.

7. Cape Otway Light was raised at 2335IK on 22nd November, and after coastal passage the ship entered the Backstairs Passage at 0045IK on 24th November and proceeded to Adelaide.
8. HMAS DIAMANTINA entered Adelaide Outer Harbour at 0840IK on 24th November and after passage up river, arrived at the BP Wharf Port Adelaide at 1000IK. After refuelling, berth was shifted to No.2 Maclaren Wharf, Port Adelaide at 1430IK.
9. At 1100IK I called on the Naval Officer-in-Charge, South Australia, Commander J. Lancaster, RAN.
10. CSIRO personnel disembarked in Adelaide, and 6 personnel embarked from the Horace Lamb Centre, Flinders University of South Australia. The cruise leader was Mr. R. Byron-Scott.
11. At 0900IK on 27th November HMAS DIAMANTINA cast off and proceeded for Cruise DM8/69. The purpose of the cruise was a continuation study of deep ocean circulation in the Great Australian Bight, together with bottom coring trials and bathymetry. Passage was made through the Investigator Strait, and after clearing Kangaroo Island PM on 27th November, stations were occupied as shown in Appendix 6. Nansen casts were successfully made by a keen but noticeably inexperienced HLC team. The first attempt at coring on 27th November was unsuccessful, but after some adjustment a 2 ft core was obtained in 170 fathoms on 3rd December.
12. Cape Leeuwin Light was raised at 1810 on 3rd December, and after passage north of Rottnest Island, HMAS DIAMANTINA entered Fremantle Harbour and arrived at H Berth, Victoria Quay at 0900 on 4th December.
13. Cruises DM7 and DM8 were considered most satisfactory by the respective scientific teams, and cruise plans were completed in each case. The PDR sounding equipment worked well except during a period of rough weather on 2nd November, probably due to sonic interference by a loose capping on the dome which had been temporarily secured by divers at Fremantle, and will be properly repaired during refit.
14. The visit to Adelaide proved popular for 24 South Australian personnel, and for the remainder of the Ship's Company. The length of stay did not permit an organized programme, but private hospitality made it a most worthwhile visit.
15. Health is good, and the morale of the Ship's Company has been very satisfactory during the period under report.

I have the honour to be
Sir,
Your obedient servant,



(J.E. BUCHANAN)
LIEUTENANT COMMANDER RAN
COMMANDING OFFICER

For Information:
The Hydrographer, RAN

APPENDICES

Appendix 1:

(Note: Figures refer to the month 1st - 30th November 1969.)

(a) Miles steamed during the month	3,128.5
(b) Hours underway during the month	.360.36
(c) Total distance steamed since commissioning	332,130.6
(d) Total hours underway since commissioning	33,810.07

Appendix 2:

Exercises:	Exercised Divers	2
	Daily Fire Drills	
	Small arms instruction for all sailors	

Appendix 3:

Officers Movements:

P/SBLT SLEX H.K. DIXON, RAN joined from
HMAS STUART on 13th November.

Deceased LCDR GLEX R.I. CRAWFORD, RAN on 11th November.

Appendix 4:

Sporting Activities:

The finals of the inter-mess tug of war
competition were held on Sunday 23rd November.
This competition was popular, and good value
for all concerned.

Appendix 5:

Cruise DM7/69	Station	Positions & Details	- Fremantle to Adelaide
Time	Lat(S)	Long(E)	Remarks
142115	32°49'	114°56'	Nansen Cast
151230	35°38'	114°12'	Nansen Cast
160600	35°20'	117°46'	Nansen Cast
161020	35°29'	117°46'	Photometry
170430	36°16'	121°36'	Nansen Cast
171010	35°59'	122°08'	Photometry
180305	34°08'	124°54'	Nansen Cast
180958	34°56'	126°01'	Photometry
182100	36°00'	128°15'	Nansen Cast
190958	34°55'	130°02'	Photometry
192035	33°40'	132°05'	Nansen Cast
201000	36°09'	133°34'	Photometry
202105	37°59'	134°41'	Nansen Cast
211000	38°19'	137°19'	Photometry
221030	41°05'	142°14'	Nansen Cast
222237	39°28'	143°17'	Nansen Cast

Appendix 6:

Cruise DM8/69	Station	Positions & Details	- Adelaide to Fremantle
Time	Lat(S)	Long(E)	Remarks
272340	36°10'	135°53'	Coring Station
280600	37°00'	135°02'	Nansen Station
281500	36°58'	135°04'	Nansen Station
282230	38°00'	134°00'	Nansen Station
291100	38°01'	132°03'	Nansen Station
300200	38°00'	129°00'	Nansen Station
301830	37°56'	125°39'	Nansen Station
011200	37°50'	122°00'	Nansen Station
020530	37°50'	118°25'	Nansen Station
022100	37°43'	114°56'	Nansen Station
030730	36°00'	114°53'	Nansen Station
031300	35°20'	114°50'	Nansen Station
031557	34°56'	114°56'	Coring Station

18-6-1787

DEPARTMENT OF THE NAVY

5th-31st

HMAS DIAMANTINA Report of Proceedings Dec 1969

AS(NS) ~~16/1~~

D of ~~19/1~~

DCNS ~~20/1~~

1NM ~~26/1~~

2NM ~~21/1~~

3NM ~~22/1~~

4NM ~~27/1~~

SECRETARY ~~27/1~~

per C of S ~~27/1~~
DPR ~~28/1~~
DSS ~~28/1~~
AS(NS) (NS55) ~~28/1~~

- NOTES:
- A. This copy is circulated so that Board Members may see these reports soon after they reach Navy Office.
 - B. The report will be given again to Board Members with Director's comments if there is any matter of special interest in those comments.
 - C. Circulation lists numbers 2 and 3 are referred to Directors and Heads of Branches.
 - D. If any matter requires comprehensive treatment on reference to another Branch a new file should be raised, a suitable note being made above.

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28/21

COMMONWEALTH OF AUSTRALIA



DEPARTMENT OF THE NAVY

TELEPHONE.
39-1522

The Secretary
Department of the Navy
Navy Office
CANBERRA A.C.T. 2600

NAVAL STAFF OFFICE,
P.O. BOX 58
FREMANTLE, W.A., 6160.

NAVY—CANBERRA		
18	6	1787

REF. NO.

21/4

13 JAN 1970

HMAS DIAMANTINA - REPORT OF PROCEEDINGS

The attached report of proceedings for the month of December 1969, is forwarded in duplicate.

A handwritten signature in blue ink, appearing to be 'J. L. ...'.

NAVAL OFFICER IN CHARGE
WEST AUSTRALIA AREA

Enc.

2nd January 1970

The Naval Officer-in-Charge,
WEST AUSTRALIA AREA.

HMAS DIAMANTINA - REPORT OF PROCEEDINGS
5TH TO 31ST DECEMBER 1969

Sir,

I have the honour to report the proceedings of Her Majesty's Australian Ship DIAMANTINA under my command for the period 5th to 31st December 1969. All times are in Zone -8(H).

2. On Friday 5th December HMAS DIAMANTINA was at H Berth, Victoria Quay, Fremantle and remained alongside until 8th December. At 0800 on 5th December HMAS SYDNEY (Captain D.A.H. Clarke MVO, DSC, RAN) and HMAS DERWENT (Commander J.G. Stacey, RAN) entered harbour, and after refuelling sailed at 1340 and 1235 respectively.

3. At 0830 on 8th December HMAS DIAMANTINA cast off and proceeded via Cockburn Channel to the Bulk Handling Jetty, Kwinana, arriving at 1000. De-ammunitioning in preparation for the forthcoming refit was carried out and the ship sailed at 1330 for Cruise DM9/69. After clearing Cockburn Channel and Gage Roads, course was set for the Hydrology Reference Station West of Rottnest Island in position 32.00 South 115.24 East.

4. The object of the cruise was a continuation study of the distribution and movement of the larval stages of the West Australian Crayfish, together with hydrological conditions and circulation of water masses off the West Australian Coast. Four CSIRO Personnel were embarked under the leadership of Dr. B. Phillips.

5. On completion of the Reference Station, course was set northward for the 55 mile square between Dongara and Jurien Bay, bounded by 29.30 South, 30.30 South, 113.50 East and 114.40 East. Hydrology stations were conducted by day, and larvae trawls each night. From 0905 to 1700 on 12th December the ship anchored south west of Dongara, divers were exercised and good advantage was taken by fishing enthusiasts.

6. On completion of the final hydrology station on 13th December, course was set southward for Fremantle. A quarterly full power trial was successfully carried out on passage. On passing through Gage Roads at 1415 on 13th December, a small outboard cabin cruiser was observed to be in distress, and was towed to Fremantle Harbour where a Port Authority launch took over the tow. HMAS DIAMANTINA arrived alongside H Berth, Victoria Quay at 1445.

7. CSIRO personnel were well satisfied with the conduct of the cruise, though their trawling results were below expectation. Many crayfishing boats and lines were sighted during the cruise, and inshore stations were continually adjusted to avoid interference.

8. From 13th December onward, HMAS DIAMANTINA remained in harbour and seasonal leave was granted. The training class of 32 Ordinary Seamen completed their course, and examination results were good. Several have been posted for Able Rank courses and the remainder will be posted out in January 1970. During the month, the ship's company were employed in preparation for the forthcoming refit at Williamstown Dockyard on 12th January.

9. During 1969 HMAS DIAMANTINA steamed 32,345 miles and was at sea for 170 days, of which more than 90% was spent on Oceanographic tasks. The ship's staff contribution to cruise results included 17,300 miles of ocean soundings for forwarding to the Hydrographer, RAN and 164 successful radiosonde ascents for the Bureau of Meteorology.

10. Health of the Ship's Company is good, and morale has been satisfactory during the period under report.

I have the honour to be
Sir,
Your obedient servant,



(J.E. BUCHANAN)
LIEUTENANT COMMANDER RAN
COMMANDING OFFICER

For Information:

The Hydrographer, RAN

APPENDICES

Appendix 1:

(Note: Figures refer to the month 1st - 31st December 1969)

(a) Miles steamed during the month				1,660.4
(b) Hours underway during the month				202.04
(c) Total distance steamed since commissioning				333,791.0
(d) Total hours underway since commissioning				34,522.40
(e) Occasions of exceeding economical speed				
<u>Date</u>	<u>Hours</u>	<u>Ave Speed</u>	<u>Distance/Ton</u>	<u>Ton/Hour</u>
13th	2	16.4	5.8	2.83
Reason: Quarterly Full Power Trial				

Appendix 2:

Exercises:	Exercised Divers	1
	Daily Fire Drills	

Appendix 3:

Officer Movements:

Joined	5th December	
	LEUT SDEN ME J.R. COLE, RAN from HMAS HARMAN	
Left	15th December	
	LEUT SSSG S.M. MEITL, RAN to HMAS PENGUIN	
	17th December	
	LEUT SDEN ME R. WARING, RAN to HMAS HARMAN	
	31st December	
	LCDR GLEX N D.M. TAYLOR, RN to HMAS VAMPIRE	

Appendix 4:

Sporting Activities:

The Bosun Sailing dinghies were used on 10 occasions for recreational sailing.

HMAS DIAMANTINA,
at Fremantle

21.2.8

2nd January 1970

The Director
Bureau of Meteorology,
GPO Box 1289K,
MELBOURNE, Vic. 3001

HMAS DIAMANTINA RADIOSONDE & WEATHER OBSERVATIONS -
QUARTER ENDED 31ST DECEMBER 1969

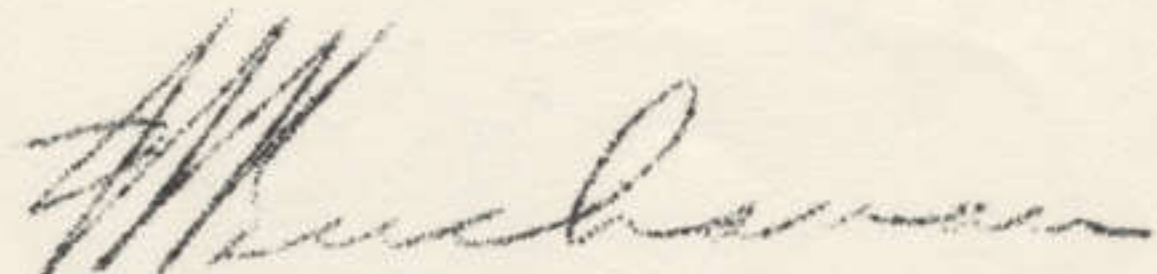
1. The following report of Radiosonde Observations made from HMAS DIAMANTINA for the period 1st October to 31st December 1969 is forwarded.

2. A total of 50 successful flights were made during the period, with 3 failures, 2 of which were due to transmitter failure and one due to bad weather.

3. Ship movements and flight details for the quarter were as follows:-

1st October	At Fremantle
2nd October to 14th October	Sonde Flights - Indian Ocean
15th October	Coastal Passage
16th October	Coastal Passage
17th October to 19th October	At Fremantle
20th October	Coastal Passage
21st October	Coastal Passage
22nd October to 3rd November	Sonde Flights - Indian Ocean
4th November to 13th November	At Fremantle
14th November to 24th November	Sonde Flights - Southern Ocean
25th November to 26th November	At Adelaide
27th November to 4th December	Sonde Flights - Southern Ocean
5th December to 7th December	At Fremantle
8th December to 13th December	Indian Ocean - No Flights off
14th December to 31st December	At Fremantle West Coast

4. Results of all flights were reported by signal to Weather Perth and Essendon.



(J.E. BUCHANAN)
LIEUTENANT COMMANDER RAN
COMMANDING OFFICER