

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

HMAS PERTH

Item number: 292/14

Title: January-December 1977



AWM78-292/14

RESTRICTED

1.16.6

HMAS PERTH
at sea.

1st February 1977

The Flag Officer Commanding
HM AUSTRALIAN FLEET.

For Information

The Commander, First Australian Destroyer Squadron
The Australian Naval Attache, WASHINGTON
The General Manager Garden Island Dockyard
The Commanding Officer HMAS BRISBANE
The Commanding Officer HMAS HOBART.



HMAS PERTH - REPORT OF PROCEEDINGS - JANUARY 1977

Sir,

1. I have the honour to report the proceedings of HMAS PERTH, under my command, for the month of January 1977. All times are zone LIMA(-11).
2. At the beginning of January PERTH was in a leave and assisted maintenance period.
3. On Friday 7th PERTH moved cold to an ammunition buoy to embark five inch ammunition returning alongside on completion.
4. At 1000 Monday 10th PERTH sailed in company with HMAS BRISBANE for a ship work-up preparatory to a RIMPAC work-up.
5. Due to a steam leak(URDEF 33/79) and defects in both gun turrets (URDEF's 31 and 32/79) the ship returned to Garden Island at 0805 Wednesday 12th to effect repairs.
6. PERTH came to anchor off Manly at 0920 Saturday 15th to take part in the Manly Centennial celebrations. The ship was open to general public inspection at 1300 after several organized visits by children had been completed. The visitors totalled 1360 and many thousands more could not obtain passage in the Army water transport craft which carried out ferry duties.
7. I conducted the Mayor, Alderman W.A. MANNING and members of the Centennial committee around the ship and entertained them at coffee.
8. The ship's company, who had been treated to the constant sight of all manner of watercraft passing close to the ship, had their day highlighted by the arrival of a nubile young lady who, topless, decorated the forecastle of a small runabout. This vessel circled PERTH at close-range to the accompaniment of what may be described as enthusiastic applause.

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9. At 2000 Saturday 15th PERTH secured alongside Garden Island. The ship had been programmed to proceed to sea from Manly but a shortage of feed water prevented this (HMAS PERTH message DAU 150600ZJAN77 refers).

10. PERTH sailed to rejoin the work-up programme at 0900 Sunday 16th. After completing log calibrations the ship anchored in Jervis Bay for an Internal Operation Awkward.

11. An Ikara firing programmed for Thursday 20th did not occur due to a defect in PERTH's tracking aerial.

12. ? 21 PERTH took part in a fleet entry into Port Jackson on Friday 14th accompanying HMA Ships MELBOURNE, SUPPLY, BRISBANE and PARRAMATTA.

13. On Monday 24th PERTH sailed in company with HMA Ships BRISBANE and PARRAMATTA for a work-up prior to deploying for RIMPAC 77. This period included duties as rescue destroyer for HMAS MELBOURNE's flying operation.

14. On Wednesday 26th PERTH was visited by Mr J. Maggs, First Assistant Secretary Department of Defence, the General Manager of Defence Communications Network. Mr Maggs was at sea in order to observe naval communications at work and as a general naval familiarisation.

15. On the same day PERTH was involved in exercising submarine search and rescue procedures in an Exercise Smashex. PERTH located the bottomed submarine by sonar at a range of 1200 yards and the submarine was surfaced shortly afterwards.

16. On Thursday 27th PERTH fired a Tartar (ITR) missile against a Jindivik and tonic target. This was a competitive firing between PERTH and BRISBANE, the first ship to lock on became the firing ship. PERTH fired first and records showed that the firing was a success.

17. HMA Ships BRISBANE, PERTH and OVENS conducted a CASEX in company with the French Ships JEANNE D'ARC and FORBIN during the forenoon of Friday 28th.

18. At 1330 Friday 28th PERTH berthed at the Cruiser Wharf, Garden Island for the Australia Day long weekend.

Marine Engineering

19. The ship's main machinery has operated satisfactorily throughout the month although the discovery of shot-blasting grit in the aft unit feed system following failure of 2B and 2C Feed Booster pumps, leaking spiral wound gaskets in the main steam line and an acute shortage of feed water caused by a combination of operator error and valve failure, have contributed to an eventful month during which the ship's equipment reserves have been soundly tested.

20. Although particular emphasis was placed on training during the month due to shortages in LSMTP2 and ABMTP2(AWC) categories, significant additional benefits have been gained by virtue of the machinery configuration changes and contingencies necessitated by defects.

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Weapons Electrical Engineering

21. Commander R.I.A. GLEN RAN was relieved as the Weapons Electrical Engineer Officer by Commander C.J. NISBET RAN on 15th January 1977.

22. HMAS PERTH's post 1976 refit work-up has been most unsatisfactory with regards to weapons practices. Of the 18 weapons firings scheduled for work-up only 5 have been conducted. The following facts are relevant:

- a. Reasons for not conducting 13 of the 18 scheduled work-up firings are as follows:

* In harbour (repairing defects)	2
* System defects	4
* Weather	3
* Non availability of aircraft	2
* Poor planning by OCS	1
* Cancelled by COMAUSFLT	1
- b. Only 91 5"/54 rounds have been fired during work-up. 56 of these rounds have been fired during Gun Functioning Trials and conducting Pre-Action Calibration firings. Only 2 AA practice firings were conducted and no rounds were fired against surface or shore targets.
- c. The last Ikara missile firing conducted by PERTH was undertaken in April 1974.
- d. PERTH has not fired a Ship launched torpedo since November 1975.
- e. No 0.5" Calibre Machine Gun Firings were conducted during work-up.
- f. A successful Tartar ITR firing was conducted on 27th January at an intercept range of 27Kyards.

23. The overall results of the reduced number of weapons practices during work-up are that neither operator nor weapons performance have been demonstrated.

General

24. The health, morale and conduct of the Ship's Company remains satisfactory.

25. The welfare committee has met twice during January.

26. My Weapons Electrical Engineer Officer was honoured on Australia Day, January 26th, by being appointed a Member of the Order of Australia.

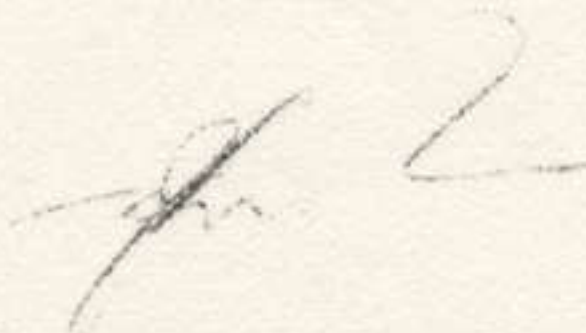
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I have the honour to be,

Sir,

Your obedient servant,


(E.E. JOHNSTON)
Captain RAN
Commanding Officer.

Enclosures: 1. Annex A - Steaming Figures.
 2. Annex B . Exercises.

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Annex A to HMAS PERTH 1.16.6
dated 1st February 1977.

STEAMING FIGURES

1. Distance steamed during January 3388.9
2. Hours underway during January $256^{33}/_{60}$
3. Total distance steamed since first commissioning 361219.2
4. Total hours underway since first commissioning $25970^{18}/_{60}$
5. Occasions of exceeding fast routeing speed:

<u>Date</u>	<u>Speed</u>	<u>Hours</u>	<u>Remarks</u>
20JAN	24	4	EAXP Serial(NEX)
26JAN	23	3	EAXP Serial
26JAN	26	1	Exercise Smashex
27JAN	24	1	EAXP Serial.

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Annex B to HMAS PERTH letter 1.16.6
dated 1st February 1977.

ATO

<u>Date</u>	<u>Exercise</u>	<u>Duration</u>
10th	INTEX	1 hour
10th	ARRX	4 hours
10th	INTEX	2 hours
10th	RIX/SPX	1 hour
11th	INTEX	1 hour
11th	ARRX/GOPEX/RAINEX	3½ hours
11th	INTEX	1 hour
17th	ARRX	7½ hours
18th	RAINEX/GOPEX	4 hours
18th	ARRX	10½ hours
18th	ADEX	3 hours
19th	ARRX	5½ hours
19th	ADEX	2 hours
20th	SCREENEX/NEX	5 hours
24th	CWC/GOPEX	9 hours
25th	ADEX/Mini war	6 hours
25th	CWC/GOPEX/ARRX	12 hours
25th	ASAC Training	2 hours
26th	CWC/GOPEX/ADEX	12 hours
26th	NEX/Mini war	3½ hours
27th	ADEX	2 hours

ASW

16th	INTAWKEX(4 hours		
17th	Minefield transit	1 hour		
	CASEX A5	2 hours	CASEX C3	3½ hours
19th	CASEX C3	5½ hours		
24th	CASEX C2	3 hours	CASEX C3	2½ hours
25th	CASEX A3	3 hours		
	CASEX A1	2 hours		
	CASEX C3(miniwar)	6 hours		
26th	CASEX C3	2½ hours		
28th	CASEX C3	3 hours		

Gunnery

10th	AA1, RIX, MTX
11th	MTX, AA1
13th	Boarding Party muster
14th	Boarding Party Exercise
17th	GFT, PAC firing, AA1/AA2, MTX
18th	NG1/ADEX
19th	NG1, ADEX, AA1/AA2
20th	NEX, PAC firings, SU/SS Drills
24th	MTX, GFT, PAC firings
25th	MTX, SAGOPS, ADEX/Mini war
26th	AA1, NEX/Miniwar, PAC firings, SU/SS drills
27th	MTX, MM2

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page two of Annex B to HMAS PERTH letter
1.16.6 dated 1st February 1977.

Communications

Tactical

202	2 hours
201	2 hours
204	2 hours
405	1 hour
210	1 hour

Electronic Warfare

EWX 23	3 hours
EWX 22	1 hour
EWX 7	1 hour

Radio

6th	405(voice)
17th	501(crypto/adonis)

NBCD

13th	DC exercises/comms	2 hours
17th	First aid training	1 hour
	Major DC exercise	2 hours
18th	First aid training	$\frac{1}{2}$ hour
	DC exercise/comms	$1\frac{1}{2}$ hours
19th	Monitoring exercise	$1\frac{1}{2}$ hours
20th	DC exercises/comms & monitoring	3 hours
24th	First aid training	$\frac{1}{2}$ hour
25th	Major DC exercise/comms	2 hours

Diving

26th	Clear dan buoy wire from Stbd propellor blade	40 mins
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Seamanship

10th	OOW Manoeuvres	1 hour
	RAS approaches	$2\frac{1}{2}$ hours
11th	Stationmaster	2 hours
	RAS(L) taken	1 hour
17th	Minefield transit	1 hour
18th	RAS(L)	1 hour
19th	RAS approaches	2 hours
20th	RAS(L)	1 hour
25th	OOW manoeuvres	2 hours
26th	OOW manoeuvres	2 hours
	RAS(L)	$1\frac{1}{2}$ hours
27th	OOW manoeuvres	$2\frac{1}{2}$ hours
	RAS(L)	2 hours
28th	RAS(L)	1 hour

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CONFIDENTIAL

CONFIDENTIAL

NCA031 CONFIDENTIAL

ROUTINE 282311Z MAR 710

FROM DEFNAV CANBERRA

TO COMAUSFLT

INFO COMAUSFLT AFLOAT

HMAS PERTH

BT

CONFIDENTIAL

SIG DSC/KEB

HMAS PERTH - POST 1976 REFIT WORK-UP WEAPONS PRACTICES

A. HMAS PERTH JAN 77 ROP OF 1 FEB 77

1. REQUEST COMMENTS ON UNSATISFACTORY STATE OF PRACTICES
REPORTED AT PARAS 22/23 OF REF AND PRESENT
ASSESSMENT OF SHIPS STANDARD OF WEAPONS
SYSTEMS EFFICIENCY.

BT

END CONFIDENTIAL

SIG DSC

ACTION DFM-W

R, CNS(2), DCNS(2), CNM, DGNOR, DNO(2)

R, DSAW-N(2), DUW, CEORPA-N, CEORPM-N

R, DGNOP, DGNM, CNTS, DNOI, DFM-M, PEONTS, DFM

C, DNUR(2), DGDM, DGND, DND, DFM-W, DNWD(3)

(21R 10C)

SIG KEB

ACTION DNO

~~R, CNS(2), SEO CNS, DCNS(2), DGNOR, DGNOP, DNAP(2)~~

~~R, DNO(2), OLOG(3), DNP, DTXC-N(2)~~

R, DJWP-N, DEW-N(3), PDMW

~~C, DNUR(2)~~

~~(23R 3C)~~

CONFIDENTIAL

N428-3-2057

MAR 29 00 27 '77

CONFIDENTIAL

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HMAS PERTH
at sea.

1st March 1977.

The Flag Officer Commanding
HM AUSTRALIAN FLEET.

The Flag Officer Commanding
HM AUSTRALIAN FLEET(AFLOAT).

For Information

The Commander First Australian Destroyer Squadron.

The Australian Naval Attache WASHINGTON

The Commanding Officer HMAS BRISBANE

The Commanding Officer HMAS HOBART.

HMAS PERTH - REPORT OF PROCEEDINGS - FEBRUARY 1977

Sir,

1. I have the honour to report the proceedings of HMAS PERTH, under my command, for the month of February 1977. Time zones are as indicated with each time reported.
2. At 0900L Tuesday 1st February PERTH cast off from Garden Island and proceeded to a buoy to conduct an Ikara tracking aerial alignment. This was completed by 1300L when the ship berthed alongside to disembark the alignment aerial.
3. At 1445L that day PERTH cast off and proceeded to join a pre-RIMPAC deployment Operational Readiness Evaluation(ORE).
4. The tactical phase of the ORE commenced at 0400L 2nd February, the force consisting of HMAS MELBOURNE, SUPPLY, BRISBANE, PERTH and PARRAMATTA under your command, sir.
5. For ten hours of the tactical phase PERTH withdrew to act as the enemy raider. The ORE completed at 0800L 3rd February.
6. During that forenoon PERTH, PARRAMATTA and OVENS prepared for PERTH's Ikara firing. Unfortunately the photographic aircraft was late arriving for the serial, therefore PERTH did not fire until 1217L, firing on own ship's sonar information. The torpedo was recovered successfully and the ships set course for Port Jackson, berthing at 1500L.
7. On Friday 4th I attended a Commanding Officers meeting chaired by the Fleet Operations Officer.
8. PERTH spent Monday 7th and Tuesday 8th embarking ammunition for the forthcoming deployment.

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MAR 25 11 55 '77

DEPT. OF DEFENCE
INFORMATION ANALYSIS
CENTRE

TO: [illegible]
FROM: [illegible]
SUBJECT: [illegible]
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SECRET - SECURITY INFORMATION - EXCLUDED FROM RELEASE

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SECRET

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9. On Monday 7th PERTH lost the Fleet Sailing Trophy, the Rawson Cup, to HMAS ONSLOW. It was a close fought match, held in blustering and rainy conditions, the score being 22-20. PERTH had held the Rawson Cup since November 1975.

10. The Personnel Liaison Team presented a series of lectures to the ship's company on Tuesday 8th. These lectures were well received.

11. The Officers of PERTH and I hosted an official cocktail party onboard on Tuesday 8th February. Guests included the Consul General for the United States of America and Mrs J.R. Davis, for New Zealand and Mrs R.J. Turnbull and for Tonga and Mrs W.D. Waterhouse. The Town Clerk of Sydney, Mr L.P. Carter, the Commanding Officers of RIMPAC77 ships and officers of Garden Island Dockyard, Area and Fleet staffs also attended.

12. Fourteen first year cadets from the Royal Australian Naval College visited PERTH from 0900L to 1600L Wednesday 9th February. They spent time with officers of each department onboard.

13. Accompanied by seamen specialist and combat systems engineering officers I attended a pre-RIMPAC brief and tactical game conducted at HMAS WATSON.

14. During the evening of Wednesday 9th February The Young Turks syndicate, Captain M.B. Rayment (Fleet Operations Officer), Lieutenant Commander C.J. Skinner (Combat Systems HMAS PERTH) and I lectured to the Naval Institute Meeting. The subject was "The needs of the RAN - 1985-2000" and was the same presentation as that given at the 1976 Naval Symposium.

15. On Thursday 10th February my Principal Warfare Officers and I attended a lecture at HMAS WATSON on the Pacific Missile Range in the Hawaiiin group and afterwards practised Ikara firing procedures to be used by PERTH in March 1977.

16. At 0830L on Friday 11th February PERTH cast off and secured to a buoy east of Garden Island to embark a Tartar missile. At 1000 the buoy was slipped and PERTH joined a Fleet departure for RIMPAC 77.

17. At 1640L Friday 11th February the Chief of Naval Staff, Vice Admiral A.M. SYNNOT AO, CBE came onboard by jackstay. Whilst onboard he toured the ship and spoke to officers and sailors at their work. CNS departed by helicopter at 1830L.

18. The first week on passage was spent conducting seamanship, gunnery and anti-submarine serials and practising RIMPAC procedures.

19. The exercise commenced on Thursday 17th February, PERTH representing a Soviet KRESTA II class guided missile cruiser; the first nine days being a rules of engagement exercise with the tension gradually increasing to a state of war.

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20. During the out of action phase from 0800W on Saturday 26th until 0400W Sunday 27th PERTH fuelled from HMAS SUPPLY and transferred a live Standard missile from USS MOUNT HOOD (Commander V.W. STRICKLAND USN) at night. This was carried out using Standard Tensioned Replenishment Alongside Method (STREAM) and a Standard UNREP receiving fixture (SURF). The evolution went well with the exception that PERTH's housefall pendant was too long. This transfer is the subject of a separate report.

21. The hot war phase (Phase Three) of the exercise commenced at 0400W Sunday 27th and lasted 40 hours. For this period PERTH regained her real life role and was part of a wide spread screen, screening the carriers USS CONSTELLATION, USS CORAL SEA and HMAS MELBOURNE. Regrettably in her far flung station PERTH saw little action.

22. Phase Three completed at 2000W on Monday 28th and PERTH set course for the Pacific Missile Range to conduct Tartar firings.

Weapons and Electrical Engineering

23. On 3rd February PERTH conducted a successful Ikara missile firing against HMAS OVENS, the first since April 1974. This firing demonstrated that re-installation of the Ikara System by Garden Island Dockyard during the 1976 Refit had been completed satisfactorily.

Marine Engineering

24. The ship's main and auxiliary machinery has operated satisfactorily throughout the month and all commitments have been met. The Chief of Naval Staff visited the forward unit machinery spaces during his visit to the ship on 11th February and witnessed an unplanned demonstration of low water casualty control.

25. Due to welfare problems, the ship sailed for RIMPAC 77 with only 7 Engine Room Certificate holders for watchkeeping duties, instead of the 9 allowed by complement. Of the 7 borne, one posted in the day before sailing. This personnel problem was further exaggerated by only having one ERWC trainee instead of 2 and the ship thus deployed with a minimum manning level of Engine Room Watchkeeping Certificate holders.

General

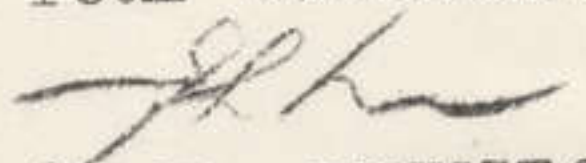
26. The health, morale and conduct of the Ship's Company remains satisfactory. All onboard look forward to arrival in Pearl Harbour on 3rd March after three weeks at sea.

27. The welfare committee has met during February.

I have the honour to be,

Sir,

Your obedient servant,


(E.E. JOHNSTON)
Captain RAN
Commanding Officer.

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W Annexes: A. Steaming Figures.
 B. Exercises.

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Annex A to HMAS PERTH letter 1.16.6
dated 1st March 1977.

STEAMING FIGURES

1. Distance steamed during February 7711.2
2. * Hours under during February. $49\frac{16}{60}$
3. Total distance steamed since first commissioning 368930.4
4. Total hours underway since first commissioning $26477\frac{34}{60}$
5. Occasions of exceeding fast routeing speed:

<u>DATE</u>	<u>SPEED</u>	<u>HOURS</u>	<u>REMARKS</u>
2FEB	30	2	RIMPAC 77 ORE
3FEB	22	2	RIMPAC 77 ORE
12FEB	22	3	RIMPAC 77 passage
13FEB	22	3	RIMPAC 77 passage
14FEB	24	1	RIMPAC 77 passage
17FEB	21	10	RIMPAC 77
19FEB	21	3	RIMPAC 77
21FEB	21	4	RIMPAC 77
24FEB	21	2	RIMPAC 77
26FEB	24	2	RIMPAC 77
26FEB	22	5	RIMPAC 77
27FEB	20	5	RIMPAC 77
27FEB	22	4	RIMPAC 77

* Is Perth really a submarine?!

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Annex B to HMA S PERTH letter 1.16.6
dated 1st March 1977.

EXERCISES

Major Exercises

1-3FEB RIMPAC 77 Operational Readiness Evaluation
17-28FEB RIMPAC 77

NBCD

12FEB WE damage control 1 hour

Gunnery

11FEB Balloon tracking, AA1, SAG procedures
12FEB Balloon tracking, Small Arms firing, MTX.
14FEB Recognition training, Small Arms firing.
15FEB Recognition training, IAC.
16FEB AAROFX - 5 inch and .50 calibre, AA4, MTX.

AIO

11FEB Radar index error, 2 ship method.
12FEB ADEX(6½ hours)
13FEB CWC/GOPEX/ARRX, Intercepts(1½ hours)
14FEB ADEX(5 hours), CWC/GOPEX/ARRX, IFF checks, URD4 checks
15FEB CWC/GOPEX/ARRX
16FEB Intercepts(1½ hours), ASAC training

TAS

3FEB Casex E10 - Ikara firing
11FEB SAU procedures
16FEB Casex C2

Seamanship

2FEB RAS(L)
11FEB OOW Manoeuvres
14FEB Light jackstay
15FEB RAS approaches, OOW manoeuvres, RAS(L)
16FEB OOW manoeuvres
17FEB RAS(L)
20FEB RAS(L)
21FEB RAS(L)
22FEB Jackstay, RAS(L)
26FEB Jackstay, RAS(L)

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HMAS PERTH
at Auckland

1st April, 1977

The Flag Officer Commanding
HM AUSTRALIAN FLEET

For Information

The Australian Naval Attache WASHINGTON

The Commander First Australian Destroyer Squadron

The Commanding Officer HMAS BRISBANE

The Commanding Officer HMAS HOBART



HMAS PERTH -- REPORT OF PROCEEDINGS -- MARCH 1977

Reference. HMAS PERTH letter 5/5/30 dated 20th March, 1977.
Sir,

1. I have the honour to report the proceedings of HMAS PERTH, under my command, for the month of March 1977. Time zones are indicated with each time reported.

2. At the beginning of March PERTH was enroute from RIMPAC 77 Phase 111 to her start position for phase 4A, a missile firing phase.

3. At 1200W 1st March PERTH was on station on the Pacific Missile Range of KAUAI, HAWAII for the commencement of manned air raids designed to prepare the ships for live firings the next day.

4. Live firings commenced at 0700W 2nd March and during the day PERTH fired one TATAR ITR successfully against a closing sub-sonic target intercepted at 17,000 yds and one STANDARD SM1 against a small sub-sonic target, a successful direct hit intercept occurring at 24,000 yds.

5. On both days operations were conducted with jamming of both search and fire control radars being used. Extensive chaff fields were laid to cover the firing area and great training value was gained from operating in this type of environment.

6. Phase 4A was a most valuable phase and its success can be attributed largely to COMCRUDESGRU ONE, Rear Admiral R.S. SMITH USN, and his staff, who ensured that the RAN participants, PERTH and BRISBANE, were given ample target presentations.

../7. On Thursday..

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7. On Thursday 3rd March PERTH berthed at the Naval Shipyard, Pearl Harbour. USS COCHRANE (DDG 21 - Commander M.G. CLARITY, USN) acted as host ship.
8. My officers, selected senior sailors and I attended a RIMPAC hot wash-up on Saturday 5th March. This was conducted by Commander Third Fleet, Vice Admiral S.L. GRAVELY Jr., USN.
9. On Sunday 6th March a sailing match between the USN and the RAN was sailed in very blustery conditions. By winning the RAN ended twelve years of domination of the International Trophy by the USN. PERTH provided the team manager and the most successful RAN helmsman for this match.
10. PERTH sailed from Pearl Harbour at 0630W Tuesday 8th March for the Fleet Operational Readiness Accuracy Checks Site (FORACS) ranging. This was a most valuable ranging and showed errors in a few displays.
11. On completion of FORACS ranging PERTH proceeded to an area off Diamond Head to have the ULQ - 6 calibrated. This completed, the ship berthed at Pearl Harbour at 2113W.
12. During the forenoon 9th March two Mark 46 and one Mark 44 torpedoes were embarked from USS BRYCE CANYON in preparation for torpedo firings on the BARKING SANDS range.
13. At 1505W 9th March PERTH sailed in company with HMAS SUPPLY for the Pacific Missile Range for RIMPAC 77 Phase 5, ASW firings.
14. ASW firings commenced at 0600 10th March and during the day PERTH fired one SLT Mark 46 and one IKARA M5/Mark 46. Both these firings were successful.
15. During the next day, 11th March, PERTH fired two SLT, one Mark 44 and one Mark 46, and one IKARA M5/Mark 46. Again the IKARA firing was successful but the torpedoes firings were not. The Mark 44 was fired at a submarine wake knuckle and finding no target chased PERTH's noisemaker. The Mark 46 ran amok and shot out of the water to a height of twelve feet some fifty yards on PERTH's starboard beam; after stopping it sank and imploded.
16. A surface firing against a SEPTAR 33, planned for that day, was cancelled due to sea state. The target could not be seen beyond three miles and radar acquisition was not possible.
17. Whilst acting as consort for HMAS BRISBANE during the day a torpedo, apparently fired by the submarine, leapt along the surface towards PERTH. Speed was increased to 24 knots and violent alterations of course executed in order to avoid being hit. An exciting moment.

.../18. At 1718W..

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18. At 1718W that day, 11th March, PERTH berthed alongside in NAWILIWILI at the south eastern corner of KAUAI. The entry and berthing were both interesting. PERTH surfed down nine foot waves to the ninety degree alteration around the breakwater, the width of the breakwater channel being five hundred feet. The harbour is only three ship lengths by four and required a 205 degree alteration to the berth. The berthing party could not be landed due to the surf running and also the tug did not arrive on time. Fortunately a group of small boys appeared on the wharf just in time to handle the berthing lines, to their intense pleasure and my great relief.

19. An official reception followed by a ceremonial sunset ceremony was held on Saturday 12th March. HMAS OVENS, which berthed on PERTH during the visit, co-hosted the reception.

20. Although the ship's company enjoyed the visit to Nawiliwili it was not well organized. No official calls were arranged for me, numbers accepting invitations to the reception were not known until they arrived and the Naval representative (PERTH's liaison officer) was not present on KAUAI at any time during the visit. This last factor was especially annoying as his presence on the island was the reason that PERTH was refused permission to send a liaison officer ahead.

21. The ship was opened to visitors on Saturday 12th and Sunday 13th, a total of 2,145 members of the public came onboard.

22. PERTH cast off at 0940 Monday 14th March, OVENS having proceeded at 0900. Passage to Pearl Harbour took just five and a half hours and PERTH secured outboard of HMAS BRISBANE on arrival.

23. On 15th March several of my officers led by the ASW and Combat Systems Engineer Officer attended a de-brief of RIMPAC Phase 5 at Barking Sands, KAUAI.

24. At 0930W 16th March PERTH sailed from Pearl Harbour in company with HMAS SUPPLY, with you Sir embarked, HMAS BRISBANE and HMAS PARRAMATTA.

25. The four ships conducted exercises as they proceeded south, these exercises included a crossing the line ceremony on Sunday 20th March.

26. You, Sir, embarked by jackstay at 1415X on Monday 21st March and spent several hours onboard.

27. HMAS BRISBANE and HMAS PARRAMATTA detached for Suva, Fiji, at 1800X 22nd March.

28. At 2000X Wednesday 23rd PERTH detached for NUKU'ALOFA, TONGA and at midnight clocks were advanced one day.

../29. By 0700N..

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29. By 0700N 25th March PERTH had closed the Tongan islands and was three miles south of Tofua Island in the position that the mutiny onboard HMS BOUNTY had occurred in 1791. During the forenoon PERTH steamed south towards NUKU'ALOFA.

30. A Royal Salute of 21 guns was fired at 1350 off the Royal Palace in honour of His Majesty King Taufa'ahau Tupou 4. The salute was returned by the Royal Tongan Defence Force Palace Guards. PERTH came to anchor off the Palace on completion of the salute.

31. The ship was required to anchor as the only suitable berth was being reserved for a sugar carrying ship due that evening. The island had run out of sugar.

32. That afternoon I called on the Prime Minister, His Royal Highness Prince Fatafehi Tu'ipelenake CBE and the Colonel in Chief Tongan Defence Force, His Royal Highness Prince Tupouto'a. I also called on Major F. Tupou, Commander, Tongan Defence Force.

33. An official reception and ceremonial sunset was held on board that evening, 25th March. Afterwards I held a private dinner party; the guests included H.R.H. The Crown Prince, Prince Tupouto'a.

34. During the forenoon Saturday 26th Twenty members of the Tongan Defence Force and forty local schoolchildren toured the ship. PERTH was opened to visitors both Saturday and Sunday but there were only 135 visitors, due mainly to being at anchor.

35. On Saturday afternoon PERTH's rugby union team played the Tongan Police; I attended this game, the opening game of the season and His Majesty The King performed an opening ceremony. The score of 44 - 0 against us delighted the colourful crowd, while His Majesty politely suggested we needed more practice.

36. His Royal Highness The Crown Prince hosted a reception in the International Dateline Hotel in honour of HMAS PERTH on Saturday evening.

37.. On Sunday 27th I was accompanied by six of my officers to a service at the Free Wesleyan Church. His Majesty The King also attended. The service was conducted in Tongan, however this did not detract at all from the occasion for us, in fact the melodious Tongan dialect and the harmonious part singing by the choir made the service quite moving.

38. Although at first the visit seemed to have got off to a slow start the ship's company enjoyed themselves. Their behaviour ashore was such that the Dateline Hotel made the ship honorary house guests, thereby allowing the sailors a Sunday drink. It was amusing to see the numbers of native handcrafts brought onboard, especially woodcarvings up to five feet in height.

../39. During..

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39. During PERTH's visit one sailor was operated on for appendicitis. The hospital did not appear very hygienic but the operation appears to have been a success.

40. PERTH weighed and proceeded from NUKU'ALOFA at 0940N Monday 28th for RAOUL ISLAND in the KERMADEC GROUP.

41. A request had been received from the New Zealand Ministry for Transport to replace a radio technician on RAOUL ISLAND whose mother was suffering a terminal illness. Subsequently the relief technician, Mr. Michael Watson, had joined PERTH in NUKU'ALOFA.

42. At 1430M Tuesday 29th March PERTH hove to close to the island in partially sheltered water; A five feet south east swell made good shelter close to the landing difficult to find. The whale boat was lowered with luggage and stores for the settlement, which is only visited every six months. The boat proceeded to Fishing Rock landing and secured to a stay rigged between a buoy and the rocks. The stores and personnel were transferred in a basket by means of a jib and sheerleg arrangement. The rock outcrop on which stands the sheerlegs is about fifteen feet above the sea.

43. The operation went smoothly, the one exception being that Mr Peter King, the off going technician, was dunked in the water as a farewell gesture. He arrived onboard wet and cold. The island community of nine people made the ship a present of a freshly killed pig.

44. RAOUL ISLAND is poorly chartered, the soundings around the island having been made in 1854. The echo sounder and sonar were both used continuously, the sonar giving particularly useful information. PERTH proceeded for AUCKLAND at 1630M.

45. During Wednesday 30th PERTH was shadowed by a P3B Orion of the Royal New Zealand Air Force. It remained outside missile range all day. Late in the afternoon four A4 Skyhawks of the RNZAF carried out an exercise strike on PERTH. Three were adjudged splashed by Tartar and one made a successful attack.

46. At 0910 Thursday 31st March PERTH hove to off AUCKLAND while the Officer of the Guard boarded. The ship then proceeded into harbour berthing at Calliope Wharf at 1000.

47. I called on the Australian Consul General, Mr. K. Le Rossignol, the Chairman of the Auckland Harbour Board, Mr. R.W. Carr, the Mayor of Auckland, Sir Dove-Myer Robinson, and Commodore Auckland, Commodore R.H.L. Humby RNZN.

48. That evening I was an official guest at the Auckland Navy League ball.

../49. Weapons and..

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Weapons and Electrical Engineering

49. Availability of Weapons and Electrical equipment during the month of March 1977 was such that all commitments were met. Generally the overall weapons performance of PERTH during RIMPAC was good however it was demonstrated that:

- (1) The digital update of TARTAR, and the update of AN/SPS -40 to the 'C' configuration have not significantly improved these systems' performance.
- (2) The detection performance of AN/SPS -52 radar is particularly weather and clutter limited and cannot be relied upon in these conditions.
- (3) Submarine launched and sea skimming missiles remain a serious threat with the existing detection and weapon systems installed in the post -updated DIC.

50. NCDS Link 11 data communications system was used extensively during RIMPAC 77 phases 3 and 4A. It was the first opportunity to gain experience with this equipment in an operational environment since September 1975. As a result of Link 11 operations during RIMPAC it was concluded that considerably more experience is required in the operation of this system, particularly within a large force Link 11 environment (ref A).

Marine Engineering

51. The main and auxiliary machinery has operated very satisfactorily throughout this month with the ship meeting all commitments.

52. Shortcomings in manning at the senior skilled level have imposed a heavy load on those borne, particularly during the heavy steaming programme through the early Phases of RIMPAC 77, and it was of great benefit to be able to shut-down to shore services in Pearl Harbour between Phases 4A and 5.

53. Rough weather has prevented planned Full Power Work-up on two occasions during the month, however, I am confident that the ship is capable of steaming at Full Power when fair weather permits.

General

54. The health, morale and conduct of the Ship's Company remains satisfactory.

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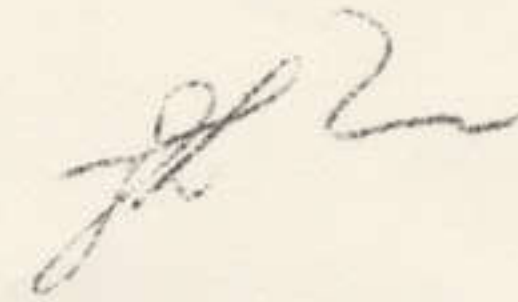
- 7 -

55. The Welfare Committee has met twice during March.
56. The ships company has been lectured on security and a security film has been screened onboard.

I have the honour to be,

Sir,

Your obedient servant,



(E.E. JOHNSTON)
Captain RAN
Commanding Officer.

Annexes: A. Steaming Figures.
B. Exercise
C. Seamanship
D. ASW Exercises
E. Gunnery
F. Sport

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Annex A to HMAS PERTH letter 1.16.6
dated 1st April, 1977

STEAMING FIGURES

1. Distance steamed during March 5679.5
2. Hours underway during March. 401 $\frac{24}{60}$
3. Total distance steamed since first commissioning. 374609.9
4. Total hours underway since first commissioning. 26878 $\frac{58}{60}$
5. Occassions of exceeding fast routeing speed

<u>DATE</u>	<u>SPEED</u>	<u>HOURS</u>	<u>REMARKS</u>
14MAR	22	3	Passage to Pearl Harbour
20MAR	20	4	Exercise Shadowex
21MAR	25	1	Exercise Southern Comfort
21MAR	20	5	Exercise - " -
22MAR	22	1	Exercise - " -
28MAR	20	14	Passage to Raoul Is.
29MAR	19.5	14	Passage to Raoul Is.

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Annex B to HMAS PERTH letter 1.16.6
dated 1st April, 1977.

EXERCISE

Communications

15 MAR	NCX 404
18 MAR	NCX 453
19 MAR	NCX 501 NCX 209
22 MAR	Emergency destruction
23 MAR	Emergency destruction
28 MAR	FRX
29 MAR	SRX

AIO

21 MAR	NGS Voice procedure
23 MAR	SPX Synethic AAW exercise
24 MAR	SPX Synethic AAW exercise
29 MAR	SPX Synethic AAW exercise
30 MAR	ADEX - Shadowing by RNZAF P3B Attack by RNZAF A4's.

Electrical Damage Control

18 MAR	EMERG Cable run drills Repair bases 2,3 and 5.
MARCH	6 x 1 hour NCDS maintenance drills.

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Annex C to HMAS PERTH letter 1.16.6
dated 1st April, 1977.

SEAMANSHIP

9 MAR	RAS(L)
16MAR	RAS(L) OOW Manoeuvres
17MAR	Stationmaster
18MAR	OOW Manoeuvres
18MAR	RAS(L) Light Jackstay Screenplay
19MAR	Screenplay
21MAR	RAS(L) Light Jackstay OOW Manoeuvres
22MAR	Screenplay
23MAR	RAS(L) Light Jackstay

NBCD

16MAR	NBCD Communications.
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Annex D to HMAS PERTH letter 1.16.6
dated 1st April, 1977

ASW EXERCISES

07 MAR	Ikara Countdown Drills	1 Hr.
09 MAR	Embark practice torpedo	1 Hr
	Ikara Countdown drills	1 Hr
10 MAR	PHASE 5 - CASEX C3/Ikara AWD SLT Firings	12 Hrs
11 MAR	Casex C3/Ikara AWD SIT Firings	5 HR
17 MAR	PME Tapes	1 Hr
18 MAR	PME Tapes	1 Hr
	MAX Drills	$\frac{1}{2}$ Hr
19	T MK 6 Instruction	1Hr
21 MAR	PME Tapes	1 Hr
22 MAR	MAX Drills	1 Hr
	PME Tapes	1 Hr
23 MAR	PME Tapes	1 Hr
25 MAR	Passage Pinging	8 Hr
28 MAR	Passage Pinging	14 Hr
29 MAR	SMNUW MSS/Scare Charge Instruction	1 Hr
	Passage Pinging	24 Hr

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Annex E to HMAS PERTH letter 1.16.6
dated 1st April, 1977

GUNNERY

01 MAR RIMPAC PHASE 4A (Manned raids)
02 MAR RIMPAC PHASE 4A (1 SM1, 1 LTR Firing)
11 MAR P.A.C. Firing
17 MAR A.A. RAPID OPEN FIRE EXERCISE
17 MAR 50" CAL BMG Firing
18 MAR SALUTING GUN PRACTICE Firing
22 MAR NGS Firing
22 MAR SALUTING GUN PRACTICE Firing
25 MAR SALUTING GUN CEREMONIAL Firing

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Annex F to HMAS PERTH letter 1.16.6
dated 1st April, 1977.

SPORT

		<u>Numbers</u>
04 MAR	Rugby v's HMAS MELBOURNE	20
06 MAR	Sailing v's USN	3
07 MAR	Golf v's USN SUBBASE	6
19 MAR	Mini Olympics, Inter-part	200
26 MAR	Rugby v's Tongan Police Lost 44 - 0	17

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HMAS PERTH
at Garden Island

1st May, 1977

The Flag Officer Commanding
HM AUSTRALIAN FLEET

For Information:

The Australian Naval Attache, WASHINGTON

The Commander, First Australian Destroyer Squadron.

The Commanding Officer, HMAS BRISBANE

The Commanding Officer, HMAS HOBART



HMAS PERTH - REPORT OF PROCEEDINGS - APRIL 1977

Sir,

1. I have the honour to report the proceedings of HMAS PERTH, under my command, for the month of April, 1977. Time zones are indicated with each time reported.
2. At the beginning of April PERTH was berthed at Calliope Wharf, HMNZS PHILOMEL, Auckland, New Zealand conducting an operational visit.
3. At 1200M Friday 1st April I attended a luncheon hosted by the Commodore AUCKLAND, Commodore R.H.L. Humby RNZN.
4. An official reception and ceremonial sunset were held onboard commencing at 1830M Friday 1st April.
5. On Sunday 3rd April 905 members of the public visited PERTH. Also on that day PERTH accepted a challenge from the RNZN sailing club but was defeated in races sailing Bosun dinghies, 14 feet dinghies and the old Island Class clinker built dinghies. As a consolation my team did get a close view of the World eighteen footer yacht championship as the courses overlapped; some differences in speed and general sailing techniques was noted.
6. PERTH's departure on Tuesday 5th April was delayed by feed water contamination. PERTH cast off at 1300M and proceeded for PORT LYTTTELTON in the South Island.
7. As normal in Auckland the hospitality accorded to the Ships' Company was overwhelming and openhanded.
8. At 0845M Wednesday 6th April PERTH rendezvoused with HMAS DUCHESS and conducted RAS approaches and a light jackstay. An air defence and general operations plot exercise was carried out for three hours.

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9. After detaching from DUCHESS, PERTH set course for PORT LYTTTELTON and streamed a splash target in preparation for exercises with the RNZAF.
10. During the afternoon PERTH was shadowed by a P3B Orion and attacks were conducted by A4 Skyhawks of the RNZAF. The Skyhawks dropped practice bombs and fired rockets and guns at the splash target with success. Their accuracy provided the best air-to-splash firing that I have seen.
12. That night, Wednesday 6th April, PERTH was involved in a night encounter exercise against three RNZN Brooke Marine Patrol Boats; for the purpose of the exercise these were fitted with Gabriel 1 missiles, giving PERTH a small range advantage. This was used to good effect and combined with a small speed advantage proved the downfall of the patrol boats.
13. At 0900M Thursday 7th PERTH berthed at the Oil Wharf, PORT LYTTTELTON, to fuel.
14. During the forenoon I called on the Mayor of Lyttelton, Mr J.B. Collett, a representative of the Mayor of Christchurch, Councillor M.R. Carter, the Chairman Lyttelton Harbour Board, Mr Jack Brand and the Australian Vice Consul General, Mr W.W. Leitch.
15. I attended an official luncheon hosted by the Vice Consul General which was attended by business leaders of Australian Companies in Christchurch in addition to local businessmen.
16. At 1315M my Executive Officer moved the ship from the Oil Wharf to a Town Pier.
17. After luncheon I called on the Commander Third Infantry Brigade, New Zealand Army, Brigadier L.W. Wright MBE.
18. The ship was open to public inspection over the weekend 9th and 10th April. There were 1740 visitors on Saturday and 3600 on Sunday.
19. Many sporting events were held during the visit, details of which are at Annex B.
20. An official reception and ceremonial sunset ceremony were held onboard on Saturday 9th April.
21. On Sunday 10th a sailing team from PERTH defeated a sea cadet team at whaler sailing.
22. PERTH sailed at 1030M Monday 11th and proceeded for Port Jackson.
23. Despite its size and the fact that PERTH's visit coincided with the Easter weekend Christchurch inundated the ship with hospitality. Although the harbour is cramped and looks forbidding on the chart it is strongly recommended as a port to visit.

..24.. It had..

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24. It had been planned to adjust the speed of advance to Sydney to pass through Queen Charlotte Sound, thereby requiring a high SOA (17.5 knots) to Sydney. Unfortunately the bad weather which had been following PERTH during February and March now continued and the plan was abandoned.

25. A successful full power trial was conducted off the New South Wales coast on the afternoon of Thursday 14th April.

26. At 0600K Friday 15th PERTH anchored in Watsons' Bay, Port Jackson, for Customs clearance. This completed, the ship berthed at Garden Island Dockyard at 1030K.

27. At 1100 K I attended your change of command ceremony onboard HMAS SUPPLY.

28. At 0800K Monday 18th your flag, Sir, as Flag Officer Commanding Her Majesty's Fleet, was broken in PERTH.

29. An assisted maintenance period commenced with a dockyard conference at 0900 Monday 18th April.

30. Several of my officers submitted items to the Training Committee during that committee's visit to the Fleet 20th to 22nd April.

31. Fifty school children from the Alma Public School, Broken Hill, visited PERTH on Wednesday 20th April.

32. PERTH's annual inspection 1977 commenced with departmental inspections Thursday 21st April.

33. An NCDS analysis meeting was held onboard on Wednesday 27th with representatives from PERTH, RANTAU, CDSC and your staff attending.

34. On Thursday 28th you, Sir, arrived onboard at 0900 to inspect PERTH at divisions and during the day you inspected the ship, both upper decks and internally.

35. The present assisted maintenance period continues until May 8th when PERTH sails for the Joint Unit Course 77 exercise.

36. MARINE ENGINEERING

Ships machinery performed satisfactorily during this period. The unusual event of the month was the ingestion by all generator circulators of large quantities of Krill (whale food) during entry into Port Lyttelton. Regulation of circulator inlet valves permitted the blockage to be cleared.

37. The Annual Full Power Trial was carried out on 14th April 1977 (one year to the day since 1976) on return passage to Sydney. Main machinery system response were given an unplanned trial when, during the last few minutes of the trial, the man overboard alarm was sounded. The ship was stopped within 3 minutes. The alarm turned out to be a false one, and the ship then proceeded on self noise trials which required 3 knot

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increments of speed to near full power again. Apart from the loss of a few pounds of closed exhaust there were no untoward events during these manoeuvres.

38. The Marine Engineering Officer CMDR R.J. NATTEY MVO RAN was relieved on 15th April by CMDR B.R. BAMBRICK RAN. An Engineering Departmental Inspection was carried out by the Fleet Marine Engineer Officer on 21st April, and the Hull Inspection by the Fleet Shipwright Officer during the period 21st April to 26th April.

39. GENERAL

The health, morale and conduct of the Ship's Company is satisfactory.

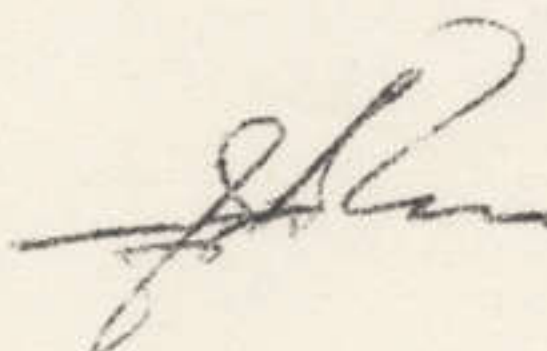
40. The Welfare Committee has met during April.

41. The ships company has been lectured both on security and the dangers of alcohol abuse.

I have the honour to be,

Sir,

Your obedient Servant,



(E.E. JOHNSTON)
Captain RAN
Commanding Officer

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Annex A to HMAS PERTH letter
1.16.6 dated
1st May, 1977

STEAMING FIGURES

1. Distance steamed during April 2177.7
2. Hours underway during April 138³⁶/60
3. Total distance steamed since first commissioning 376,787.6
4. Total hours underway since first commissioning 27,017³⁴/60
5. Occasions of exceeding fast routing speed.

<u>DATE</u>	<u>SPEED</u>	<u>HOURS</u>	<u>REMARKS</u>
6APR	22	3	NEX v's RNZN Patrol boats
11APR	25	1	Full power workup-2 boilers
14APR	28.5	1	Full power trial
	33.2	3	Full power trial

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Annex B to HMAS PERTH letter
1.16.6 dated
1st May, 1977

EXERCISES

SEAMANSHIP

06 APR Light Jackstay
OOW Manoeuvres
Streamed splash target

GUNNERY

04 APR NGS comms exercise
06 APR AAGDX, ADEX, STRIKEX, NEX
13 APR Officers lecture Explosives & Explosive safety
14 APR Small arms firing

COMMUNICATIONS

05 APR NCX 201, NCX 202, JCOMMEX 1
12 APR NCX 250 NCX 251
13 APR NCX 251
14 APR Small arms firing

COMMUNICATIONS

05 APR NCX 201, NCX 202, JCOMMEX 1
12 APR NCX 250, NCX 251
13 APR NCX 251
14 APR NCX 201, NCX 202
15 APR NCX 455
28 APR NCX 201, NCX 202, NCX 207

DIVING

19 APR Hull and propeller inspection
21 APR Night dive - ships bottom search

ASW

04 APR PME tapes - SMNUC's - 1 hour
06 APR PME tapes - SMNUC's - 1 hour
12 APR PME tapes - ABUC's - 1 hour
13 APR PME tapes - ABUC's - 1 hour
Ikara countdown brief - 1 hour

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Annex C to HMAS PERTH letter
1.16.6 dated
1st May, 1977

SPORT

<u>DATE</u>	<u>SPORT</u>		<u>NUMBERS</u>	<u>RESULT</u>
02 APR	CRICKET	PERTH v RNZCC	13	LOST
03 APR	SAILING	v TAMALI	12	LOST
01 APR	B/BALL	v PHILOMEL	10	LOST
	V/BALL	v PHILOMEL	8	WON
04 APR	B/BALL	v PHILOMEL	8	LOST
	RUGBY	v SENIOR RATES PHIL.	17	LOST
	SOCCER	V PHILOMEL	13	WON
05 APR	RUGBY	v RNZAF WIGRAM	17	LOST
09 APR	HOCKEY	v RNZAF WIGRAM	13	LOST
	SOCCER	v RNZAF WIGRAM	13	LOST
10 APR	RUGBY	v PORT LYTTTELTON	17	DRAW
	WHALER SAILING	v TS STEADFAST	8	WON

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HMAS PERTH
at sea.

1st June, 1977.

The Flag Officer Commanding
HM AUSTRALIAN FLEET.

For Information:

The Australian Naval Attache, WASHINGTON.
The Commander, First Australian Destroyer Squadron.
The Commanding Officer, HMAS BRISBANE.
The Commanding Officer, HMAS HOBART.



HMAS PERTH - REPORT OF PROCEEDINGS - MAY 1977

Sir,

1. I have the honour to report the proceedings of HMAS PERTH, under my command, for the month of May 1977. All times are Zone Kilo (-10).
2. At the beginning of May PERTH was undergoing an assisted maintenance period alongside Garden Island Dockyard. Your flag, Sir, which had been flying in PERTH since April 18th, continued to be worn until May 9th.
3. On Sunday 1st May, Susannah, daughter of Lieutenant Commander and Mrs G.P. KABLE, was baptised onboard by Senior Chaplain W.J. BATES RAN.
4. From Monday 2nd until Thursday 5th May I attended the Joint Unit Course (JUC) 97 lecture period at the Joint Anti-Submarine School, accompanied by all my seamen specialist officers
5. PERTH was moved to a buoy at 1300 Thursday 5th May for a Ikara serial alignment. The ship remained at the buoy overnight in order to ammunition on Friday 6th, returning alongside at 1500 on completion of ammunitioning.
6. At 1000 Monday 9th May PERTH left harbour, accompanied by HMAS VAMPIRE and HMAS STUART, for the CASEX phase of JUC97. The exercises during the week became more advanced as the three ships gained confidence in working together. HMAS OXLEY was the target submarine.
7. You, Sir, embarked by helicopter at 0950 Tuesday 10th May to observe an Ikara firing. Unfortunately the launch was not successful due, it appeared, to a missile malfunction. At 1300 you transferred to HMAS STUART by light jackstay to observe her Ikara firing.
8. A mini-war was conducted during the evening Thursday 12th May. The setting required PERTH, STUART and SWAN to defend

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merchant ship anchorages off PORT KEMBLA and WOOLONGONG against attack by VAMPIRE and OXLEY. OXLEY conducted her attack on the surface and was not identified as a submarine. Had OXLEY not been mistaken for VAMPIRE and counter-attacked by PERTH's missiles a successful torpedo attack against the merchant ships would probably have resulted.

9. PERTH entered harbour during the forenoon Wednesday 11th May to fuel.

10. PERTH, VAMPIRE and STUART entered harbour at 0800 Monday 16th May and berthed at Garden Island to fuel.

11. The LONGEX phase of JUC97 was to have commenced 1800 Monday 16th May but due to heavy seas sailing of the surface task unit was postponed until 1000 Tuesday 17th May.

12. The LONGEX phase was conducted within a box fifty by sixty miles; the surface hunter killer group conducting offensive operations encountered the submarine OXLEY four times.

13. At 1100 Thursday 19th PERTH entered harbour, secured to a buoy and disembarked Ikara missiles to the Australian Station peacetime state. The ship moved alongside at 1400.

14. My seaman specialists and I attended the JUC97 hot wash-up at the Maritime Headquarters on Friday 20th May, also attended by you, Sir.

15. On Monday 23rd May PERTH controlled Mirage intercepts off RAAF Williamtown in preparation for practice air-to-air firings programmed for later in the week off the Jervis Bay Missile Range.

16. Nine members of the Central Studies Establishment, Department of Defence, spent the day at sea in PERTH on Monday 23rd May. They watched the days ship activities, including the intercepts, and received detailed lectures from each of my Heads of Departments.

17. A full Operation Awkward exercise was conducted, with PERTH at a buoy, during the evening of Monday 23rd May. The attacking divers were supplied from Clearance Diving Team II.

18. At 0830 Tuesday 24th seventeen members of the 1977 Industrial Mobilisation Course joined for a day at sea. They were led by Major General W.G. HENDERSON AO DSC OBE Retired. A similar number joined VAMPIRE. Our guests witnessed a rapid open fire exercise, an AA firing, an NGS practice, OOW Manoeuvres, replenishment approaches and pilotage. During the course of the day visits to all departments, technical and operational lectures took place.

19. Between Wednesday 25th to Friday 27th PERTH controlled RAAF air-to-air MATRA firings, all missiles were fired from Mirage fighters and were successful. The control task was simplified by excellent radar conditions.

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20. An anti-submarine air controllers course (ASAC) consisting of one Lieutenant (supervisor candidate) and three Leading Seamen joined for training from Wednesday 25th until Friday 27th during which time fixed and rotary wing control was practised. Because the anti-submarine air squadrons are embarked in HM/S MELBOURNE, only a small number of aircraft hours could be provided.

21. It had been programmed for PERTH to sail at 1100 Monday 30th May to continue ASAC training. During flashing up operations a major steam leak developed at the main steam valve in the forward machinery space. Sailing was delayed until repairs were complete.

22. PERTH cast off and proceeded at 1400 Tuesday 31st May to continue ASAC training and to assist HM/S SWAN in her work up preparation. Filthy weather was encountered once clear of Port Jackson.

23. MARINE ENGINEERING

ME Department operations were marred by the occurrence of 3 major steam joint leaks at flange joints in the main steam range URDEFS 57/79, 58/79 and 59/79 refers. The first on 11th May necessitated anchoring in Jervis Bay for repairs. The other 2 were tolerated until on raising steam on 30th May, the joint above starboard engine controlling platform blew out. The opportunity to repair both faulty joints was then taken with consequent interruption to PERTH EAXP serials on 30th and 31st May. URDEF 64/79 refers. The other mishap was the flooding of No.1 pump room on 17th May as reported in INDEFs 89/79 and 90/79, and written report of 19th May.

24. Otherwise systems and equipment performed satisfactorily, and the weekly running routine enabled more training tasks to be accomplished.

25. GENERAL

The health, morale and conduct of the Ship's Company is satisfactory although a rash of minor leave breaking has erupted.

26. The welfare committee has met during May.

I have the honour to be,

Sir,

Your obedient servant,



(E.E. JOHNSTON)
Captain RAN
Commanding Officer

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Annex A to HMAS PERTH
letter 1.16.6 dated
1st June, 1977

STEAMING FIGURES

- 1. Distance Steamed during May 3540.6⁰⁰
- 2. Hours underway during May 291 ⁶⁰₆₀
- 3. Total distance steamed since first commissioning 380328.2
- 4. Total hours underway since first commissioning 27308 ³⁴₆₀
- 5. Occasions of exceeding fast routing speed.

<u>Date</u>	<u>Speed</u>	<u>Hours</u>	<u>Remarks</u>
12MAY	20	1	EAXP Mini-War
13MAY	24	1	EAXP rendezvous
23MAY	24	1	EAXP rendezvous
24MAY	22.2	2	I.M.C. day
27MAY	22	3	EAXP rendezvous

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SEAMANSHIP

10MAY Helo transfer, OOW Manoeuvres, Light Jackstay,
Screenplay, Heaving Line Transfer

11MAY Executive Officer conned ship alongside

12MAY Helo Transfer, Screenplay

13MAY Screenplay

15MAY Stationmaster Screenplay

24MAY OOW Manoeuvres, RAS Approaches

25MAY Screenplay

26MAY OOW Manoeuvres

27MAY Helo Transfer

NBCD

11MAY Emergency Stations
Modified Action Stations

12MAY Electrical D.C. Drills - 1 hour

17-19MAY Defence Stations - Comms drills every watch

22MAY Comms and plotting exercises
Electrical D.C. drills

23MAY Emergency Stations. Closed down to 1 ZULU

24MAY First Aid lectures

25MAY Electrical D.C. drills

26MAY Cleansing/decontamination drills - 1 hour

27MAY Cleansing/decontamination drills - 1 hour

COMMUNICATIONS

02MAY NCX 201

03MAY NCX 405, NCX 201, NCX 202

04MAY NCX 201, NCX 202

05MAY NCX 402, NCX 201, NCX 202, ATP 1 (B) instruction

06MAY NCX 201

10MAY OOW Manoeuvres (V/S)

11MAY Visual recognition

17MAY JOCOMMEX 1

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18MAY Visual recognition
24MAY JOCOMMEX 3, OOW Manoeuvres (V/S) (2), EWX 23 (2),
EWX22
25MAY Visual recognition, EWX 5
31MAY Visual recognition .

DIVING

06MAY 12 candidates for Ship's Diver Course took suitability
tests conducted by CDT I.
23MAY Operation Awkward - No. 5 buoy Sydney. Carried out
ships bottom search.

GUNNERY

11MAY AA1/3
23MAY NG1 Small Arms Firing
24MAY NG1 AAROFX AA1/3 NG2
25MAY AA 1/3 Small Arms Firing
26MAY SU 1/2 Small Arms Firing
27MAY Small Arms Firing
31MAY NGS drills

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Annex B to HMAS PERTH
letter 1.16.6. dated
1st June, 1977.

EXERCISES

ASW

09MAY 2 x Synthetic CASEX C2 - 1 hour each
1x CASEX C2 - 3 hours
1 x CASEX C2 - 1 hour

10MAY 1 x CASEX E12 - 3 hours firing ship
1 x CASEX E12 - 3 hours FMV
1 x Synthetic CASEX C2 - 1 hour
1 x CASEX A2 - 3 hours.

11MAY 1 x Synthetic CASEX C2

12MAY 1 x CASEX C2 - 3 hours

13MAY 3 x CASEX C2 - 3 hours each

14MAY 2 x CASEX C3 - 6 hours each
1 x CASEX C2 - 3 hours

15MAY 1 x CASEX C2/C3 - 4 hours

17MAY-
19MAY JUC 97 LONGFX Phase

23MAY Operation Awkward

25MAY 1 x Synthetic CASEX - 2 hours.

31MAY 1 x CASEX C2 - 3 hours

AIO

12MAY Mini-War - 4 hours

23MAY Mirage intercepts

24MAY ADEX, ARRX, F111C strikes

25MAY ASAC training, F111C strikes
Mirage Matra intercepts (2)
Synthetic CASEX

26MAY ASAC training, GOPEX/RAINEX, SAGOPS
F111C strikes, Mirage Matra intercepts (2)

27MAY ASAC training
Mirage Matra intercepts (1)

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Annex C to HMAS PERTH
letter 1.16.6. dated
1st June, 1977.

SPORT

<u>Date</u>	<u>Sport</u>		<u>Players</u>	<u>Result</u>
02MAY	Volleyball	PERTH V PARRAMATTA	6	Won 2-0
03MAY	Volleyball	STUART	10	Won 2-1
04MAY	Rugby	DUCHESS	17	Lost 34-10
	Rugby	Dempster Cup	5	-
	Hockey	DUCHESS	13	Lost 3-0
	Squash	PARRAMATTA	5	Lost 5-0
	Golf	Wills Golf Comp.	2	-
	Basketball	Interservice	1	-
	Rugby	Interservice	2	-
30MAY	Rugby	NSW v QLD A.S.R.U.	2	-

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SMV

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ROYAL AUSTRALIAN NAVY

Telephone:

359-9111

Extension 3139

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

No. A.F. 1/16/44

15 JUL 1977

Department of Defence (Navy Office)

HMAS PERTH - REPORT OF PROCEEDINGS - JUNE 1977

1. Forwarded.
2. The steadily increasing problem of when to take leave is worrying. Comments and recommendations on the various aspects of leave and leave travel have been made in AF letters 74/12/6 of 14th April, 1977 and 74/11/20 of 31st December, 1976.

J D Stevens

(J. D. STEVENS)
Commodore
for Commander Australian Fleet

Enclosure:

am HMAS PERTH Report of Proceedings dated 1st July 1977

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1.16.6

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HMAS PERTH
at Garden Island.

1st July, 1977.

The Flag Officer Commanding
HM AUSTRALIAN FLEET.

For Information:

The Australian Naval Attache, WASHINGTON.

The Commander, First Australian Destroyer Squadron.

The Commanding Officer, HMAS BRISBANE.

The Commanding Officer, HMAS HOBART.

HMAS PERTH - REPORT OF PROCEEDINGS - JUNE 1977

Sir,

I have the honour to report the proceedings of HMAS PERTH, under my command, for the month of June, 1977. All times are zone KIL0 (-10).

2. At the beginning of June PERTH was exercising in the East Australian exercise areas, her main task being concerned with the qualification of anti-submarine air controllers. Six controller candidates were embarked.

3. PERTH berthed alongside Garden Island at 1040 Friday 3rd June for the weekend.

4. That evening a most successful and enjoyable Ship's Company Cabaret was held at the Australian Jockey Club Ballrooms. A total of 400 guests attended.

5. The ship cast off at 0900 Monday 6th June to continue ASAC training and assist HMAS SWAN to work up.

6. Thursday 9th June was HMAS SWAN's Final Battle Problem day. Initially PERTH was the enemy raider and on completion of a surface throw-off firing PERTH joined SWAN's group for the remainder of the day. The ships berthed on completion at Garden Island Dockyard.

7. PERTH commenced an assisted maintenance and leave period on Friday 10th June.

8. The ASAC training, which had commenced 25th May, resulted in five controllers qualifying and in addition one PERTH ASAC was upgraded.

9. On Wednesday 15th June ten members of the Services Analytical Studies Unit, led by Air Commodore P.H. Colling AFC RAAF. The purpose of the visit was to acquaint them with DDG layout, organisation and operations including hull, machinery and weapons systems. They also witnessed a simulated standard missile engagement from detection to kill using the Combat Data System.

.. /10.

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10. I called upon the Flag Officer Commanding East Australia Area, Rear Admiral J.DAVIDSON at 0930 Friday 24th June.

11. On Monday 27th a Junior Officer's Fleet Board convened by you, Sir commenced examining Midshipmen and Sub Lieutenants on completion of their Stage Two training. I was President of that Board and two of my officers were members. Results have been reported separately.

12. At 1545 Tuesday 28th June, Major General A.L. MACDONALD CB OBE, Chief of the Defence Force Staff, came onboard PERTH. He was preceded by you, Sir, and had primarily come to view the Combat System installation and operation.

13. MARINE ENGINEERING

Main and auxiliary machinery performed satisfactorily during the month. However the cyclic operations attendant upon an EAXP of weekly running produced the inevitable steam system defects. Regretably, two of these occurrences interfered with exercise serials. URDEFs 58, 59 and 64/79 are relevant.

14. One significant hull defect occurred. Since the completion of the main refit in November, 1976, most of the ship's seetime has been in rough weather. The welded deck doubling plates fitted in way of the expansion joints have all cracked as a result of the elements and inadequate engineering design. Garden Island Dockyard NAD section has devised two solutions to the problem. These will be installed during the current availability. URDEF 68/79 refers.

15. The ship entered an AMP on the 10th June. It is unfortunate, but a fact of life that the ensuing period to 8th August is also a seasonal leave period. The conflict between leave and maintenance requirements is evident, and some of the scheduled preventive maintenance will inevitably be left undone despite the most willing co-operation of GID, FMU and FMP. None of these organisations are omnipotent or infallible.

16. All boilers were cleaned externally during the second week of this month, and seasonal leave notwithstanding, maximum use of the AMP has been made to progress MTP sailors Task Book completion.

17. GENERAL

The health, morale and conduct of the Ship's Company remains satisfactory.

18. The Ship's Company were lectured on security and alcohol abuse on Thursday 2nd June.

.../19
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19. The Welfare Committee has met during June.

I have the honour to be,

Sir,

Your obedient servant,



(E.E. JOHNSTON)
Captain RAN
Commanding Officer.

Annexes: A-Steaming Figures.
B-Exercises,
C-Sport.

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Annex A to HMAS PERTH
letter 1.16.6 dated
1st July, 1977.

STEAMING FIGURES

1. Distance steamed during June 1368.2
2. Hours underway during June $107 \frac{21}{60}$
3. Total distance steamed since first commissioning 381696.4
4. Total hours underway since first commissioning $27415 \frac{55}{60}$
5. Occasions of exceeding fast routing speed:

<u>Date</u>	<u>Speed</u>	<u>Hours</u>	<u>Remarks</u>
6th June	22.9	1	EAXP Rendezvous
9th June	22.1	1	EAXP Rendezvous

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Annex B to HMAS PERTH
letter 1.16.6 dated
1st July, 1977.

EXERCISE

Seamanship

1st June	OCW Manoeuvres
2nd	Helo transfer
3rd	OCW Manoeuvres, Minefield transit
7th	Helo Transfer
8th	TOWEX (SWAN towed PERTH)
	OCW Manoeuvres (inc. man overboard exercise)
	Minefield transit, Formation anchorage.

Gunnery

1st June	AA tracking and firings
2nd	NG1, NG2, AA 1/3
6th	NG3
7th	AA 1/3
9th	AA 1/2

TAS

1st June	TAS Theory lecture - all UC sailors, CASEX A4
2nd	TAS Theory lecture - all UC sailors, CASEX C3
6th	UC tape training, UW tube drills
7th	UC and Junior officer Oceanography lecture. UW demolition theory.
8th	CASEX lecture - all TAS sailors
9th	SWAN FBP - CASEX

AIO

1st June	ARRX, SPX/RIX, ASAC training
2nd	ASAC training
3rd	3 ship radar index calibration, ASAC training
6th	ASAC training
7th	ASAC training, SPS 52 performance trial
8th	ASAC training, SPS 52 performance trial
9th	ASAC training, SWAN FBP.

Communications

1st June	EWX 13, 2 NCX 401
2nd	NCX 657, EWX 13
3rd	NCX 402
6th	NCX 207, ULQ6 trials
7th	2 NCX 401, NCX 207, NCX 251
8th	Emergency destruction, NCX 657, NCX 401.
9th	V/S procedures
14th	NCX 208, Comm org. lecture
16th	V/S procedure exams
21st	NCX 252, Low grade code lecture
23rd	Ceremonial lecture, NCX 405
28th	NCX 301, NCX 453B
30th	Message writing lecture.

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NBCD

1st June

Minor NBCD exercise and comms
Electrical repair party drills

6th

Minor NBCD Exercise and comms
Action Stations (12) NBCD repair party drills

7th

Minor NBCD exercises comms
Action Stations (12) NBCD repair party drills.

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Annex C to HMAS PERTH
letter 1.16.6 dated
1st July, 1977.

SPORT

<u>Date</u>	<u>Sport</u>	<u>Oponents</u>	<u>Result</u>	<u>Players</u>
15th June	RUGBY	DEST/ESCORTSvWATSON	Won 19-13	5
	ASRU	LSSIG McLaurin selected for ASRU Tour 77		1
21st	AUST RULES	DEST/ESCORTSvSTH. ESTABLISH.	Won 73-36	6
	VOLLEYBALL	PERTH W/RvSTALWART W/R	Lost 3-1	7
	Seven-A-Side	LSSIG McLaurin and LSRO O'MALLEY selected to represent Navy side		2
22nd	RUGBY	DEST/ESCORTSvNIRIMBA	Lost 10-8	5
	SOCCER	DEST/ESCORTSvNIRIMBA	Lost 14-0	5
	SQUASH	PERTHvSWAN	Lost 4-1	5
23rd	VOLLEYBALL	PERTH W/RvSTALWART W/R	Lost 4-0	8
		PERTHvVENDETTA	Won 3-1	7
	I.S. AUST RULES	POETS HADDOCK and LSSN MARK selected		2
24th	VOLLEYBALL	PERTHvSWAN	Lost 3-0	9
27th	VOLLEYBALL	PERTHvSTUART	Won 3-1	10
28th	VOLLEYBALL	PERTHvSWAN	Lost 3-2	9
29th	RUGBY	FLEETvARMY	Won 11-10	1
		FLEET COLTSvWATSON COLTS	Lost 17-0	6
	AUST RULES	DEST/ESCORTSvNTH. ESTABLISH.	Won (Forfeit)	6
	SOCCER	DEST/ESCORTSvNTH. ESTABLISH.	Lost 2-1	5
30th	VOLLEYBALL	PERTH W/RvSTALWART W/R	Lost 3-1	7
		PERTHvVENDETTA	Drew 2-2	8

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1/16/6

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HMAS PERTH
at Garden Island.

1st August, 1977

The Flag Officer Commanding
HM AUSTRALIAN FLEET

For Information:

The Australian Naval Attache'
WASHINGTON

The Commander
FIRST AUSTRALIAN DESTROYER SQUADRON

The Commanding Officer, HMAS BRISBANE
HMAS HOBART

HMAS PERTH - REPORT OF PROCEEDINGS - JULY 1977

Sir,

1. I have the honour to report the proceedings of HMAS PERTH, under my command, for the month of July 1977. All times are zone (-10).
2. PERTH was undergoing an assisted maintenance and major leave period alongside HMAS STALWART at the beginning of July.
3. Rear Admiral J. Davidson, Flag Officer Commanding East Australia Area, came onboard at 1030 Wednesday 6th July to return my call of June 24th.
4. At 1345 Thursday 7th July PERTH was moved cold from alongside STALWART to the Cruiser Wharf.
5. The Fleet Dental Party joined on Tuesday 12th July to check the dental health of all onboard PERTH. They are programmed to stay for two months.
6. The Director of Naval Weapon Design, Captain R.R. Calder RAN visited PERTH on Monday 18th July for ship familiarisation and discussions on the up-dated DDG. He was accompanied by your Fleet Weapons Electrical Officer, Sir.
7. On Tuesday 26th 35 sixth class pupils from BERALA Public School visited PERTH.
8. Six Headmasters from Sydney High Schools toured PERTH, were entertained to lunch and held discussions with ships officers on Friday 29th July before departing for a weekend at R.A.N.C. Jervis Bay.

/Marine

*NB according to Stalwart she remained
at EMS from 16/6 - mid Sept with
no move.*

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Marine Engineering

9. AMP repair and maintenance tasks were completed as far as possible taking into account the reduced work force caused by the demands of seasonal leave and the able assistance from HMAS STALWART. FMO was greatly appreciated. All boilers were lit off during the last week. A basin trial of the forward unit was conducted but a complete trial of the after unit was delayed due to dockyard difficulty in repairing the uptakes of 2B boiler.

10. The major dockyard hull repair task which involved replacement of all 4 expansion joint main deck doubler plates has been completed. DNQA has directed that trial reports be forwarded and since the instructions for the trial are somewhat limited, data will be confined to reports of visual observation at intervals together with a log of ship motion in the pitching mode over the period of the trial.

11. Posting turbulence in ME department complement has been moderate.

12. The Welfare Committee has met during July.

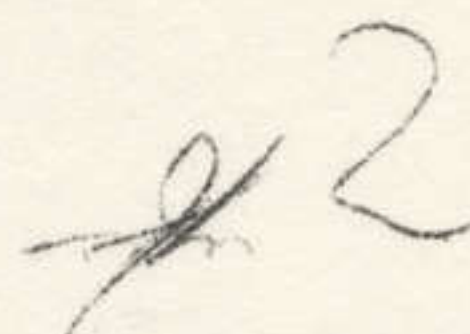
13. PERTH'S Ships company has been addressed on security and alcohol abuse.

14. The health, morale and conduct of the Ship's Company is satisfactory.

I have the Honour to be,

Sir,

Your obedient Servant,



(E.E. JOHNSTON)
Captain RAN
Commanding Officer

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ANNEX A TO
HMAS PERTH 1/16/6
DATED 01 AUGUST 1977

STEAMING DETAILS

1.	Distance steamed during July	Nil
2.	Hours underway during July	Nil
3.	Total distance steamed since first commissioning	381,696.4
4.	Total hours underway since first commissioning	27,415 $\frac{55}{60}$
5.	Occasions of exceeding fast routeing speed	Nil

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ANNEX B TO
HMAS PERTH 1/16/6
DATED 01AUGUST1977

EXERCISES

Communications

5th NCX 453
7th Lecture - Harbour RATT
12th Lecture - Low Grade Codes
13th TTX
14th NCX 302 Lecture - Coastal Operations RATT
19th NCX 405 Lecture - Fleetwork
21st NCX 251 Lecture - Complan/ACCS
26th NCX 201, 202, 402, Fleetwork Exam
28th TTX, NCX 302, Lecture Ship Shore/Broadcast Procedures
29th NCX 302

Medical

8th Hygiene Lectures - 3 sailors
27th - 29th First Aid course - medical party - 7 sailors

Seamanship

Relative velocity training at HMAS WATSON
12th (3 officers)
13th (1 officer)
14th (2)
19th (1)
20th (2)
27th (1)

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SPORT

DATED 1 AUGUST 1977

<u>Date</u>	<u>Sport</u>		<u>Players</u>	<u>Results</u>
1st	VOLLEYBALL	PERTH v VENDETTA	7	Lost 2 - 1
4th	VOLLEYBALL	PERTH v VENDETTA	7	Won 1 - 1
5th	VOLLEYBALL	PERTH W/R v FOCAF & STAFF	6	Won 3 - 0
5th	VOLLEYBALL	PERTH v SWAN	5	Won 2 - 1
6th	RUGBY	DEST/ESCTS v ALBATROSS	7	Won 13 - 6
6th	SOCCER	DEST/ESCTS v ARMY RANDWICK	3	Draw 1 - 1
6th	SQUASH	PERTH v VENDETTA	5	Won Forf
6th	GOLF	FOCEA MBE 302336ZJUN77	1	Lost 276 - 253
7th	VOLLEYBALL	PERTH v STALWART	Cancelled	
7th	VOLLEYBALL	PERTH W/R v DUCHESS W/R	6	Won 2 - 1
11th	VOLLEYBALL	PERTH v STALWART	6	Lost 3 - 0
12th	VOLLEYBALL	PERTH W/R v VENDETTA W/R	7	Lost 3 - 1
12th	VOLLEYBALL	PERTH v SWAN	7	Won Forf
13th	RUGBY	DEST/ESCTS v KUTTABUL	3	Lost 7 - 0
13th	AUST RULES	PERTH/VENDETTA v STALWART	10	Lost 111 - 93
13th	SQUASH	PERTH v STALWART	4	Lost 2 - 2 on countback
14th	VOLLEYBALL	PERTH W/R v VAMPIRE W/R	6	Won 3 - 0
14th	VOLLEYBALL	PERTH v STALWART	6	Lost 2 - 1
18th	VOLLEYBALL	PERTH v VENDETTA	7	Lost 3 - 0
21th	VOLLEYBALL	PERTH W/R v VENDETTA W/R	7	Lost 2 - 1
19th	VOLLEYBALL	PERTH v SWAN	7	Lost 2 - 0
20th	RUGBY	FLEET v POLICE	3	Lost 9 - 3
20th	RUGBY	FLEET COLTS v NIRIMBA COLTS	4	Lost 6 - 4
20th	SOCCER	DEST/ESCTS v NIRIMBA 'B'	5	Lost 6 - 1
20th	SQUASH	PERTH v SWAN	5	Lost 4 - 0
21st	VOLLEYBALL	PERTH v VENDETTA	6	Draw 2 - 2
25th	VOLLEYBALL	PERTH v SWAN	9	Won Forf
26th	VOLLEYBALL	PERTH v HOBART	7	Lost 2 - 0
27th	RUGBY	DEST/ESCTS v PENGUIN	5	Won 24 - 3
27th	GOLF	FLEET No 2 v PLATYPUS/WATERHEN	1	Won 198 - 118
27th	AUST RULES	DEST/ESCTS v NIRIMBA	8	Won 60-54
27th	SQUASH	PERTH/VENDETTA v SWAN	4	Lost 3 - 1
27th	SQUASH	PERTH v SWAN	4	Draw 2 - 2
27th	SOCCER	DEST/ESCTS v KUTTABUL/WATSON	5	Lost 10 - 3
28th	VOLLEYBALL	PERTH W/R v STALWART W/R	7	Won 3 - 1
28th	VALLEYBALL	PERTH v VENDETTA	6	Lost 2 - 1

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R E S T R I C T E D

1/16/6

HMAS PERTH
at Sydney.

1st September, 1977

The Flag Officer Commanding
HM AUSTRALIAN FLEET

For Information:

The Australian Naval Attache'
WASHINGTON

The Commander
FIRST AUSTRALIAN DESTROYER SQUADRON

The Commanding Officer, HMAS BRISBANE
HOBART

HMAS PERTH - REPORT OF PROCEEDINGS - AUGUST 1977

Sir,

1. I have the honour to report the preceedings of HMAS PERTH, under my command, for the month of August 1977. All times are zone Kilo (-10).
2. PERTH was undergoing an assisted maintenance period at the beginning of August at Garden Island Dockyard.
3. On Monday 1st August the ship was moved by tugs to the West Dock Wall to facilitate missile radar collimation
4. The ship was ammunitioned at a buoy on Thursday 4th August.
5. A group of eight Woolongong Venturers visited PERTH on Sunday 7th August.
6. PERTH sailed for the exercise areas off Jervis Bay at 0930 Monday 8th August to commence Operational Program Functional Checkout (OPFCO) of a new NCDS/Tartar program. Two weeks were devoted to this checkout which involved many air, surface and sub surface targets.
7. PERTH entered Sydney Harbour in company with VAMPIRE, VENDETTA and SWAN at 0815 Friday 12th August.
8. On Monday 15th August at 0915 PERTH sailed to continue OPFCO.



R E S T R I C T E D

/9. On Tuesday

R E S T R I C T E D

-2-

9. On Tuesday 16th August PERTH entered Sydney Harbour at 0805 in company with VAMPIRE, VENDETTA and SWAN to embark members of the Joint Services Staff College. One Directing staff and ten course members joined PERTH for a day of firings, high speed manoeuvres and ship tours.
10. One of the course members Lieutenant Colonel Yaacob Bin Haji Daud, Royal Malayasian Navy, had been a student at Britannia Royal Naval College when I was on the professional staff.
11. The staff course were landed that evening in Sydney Harbour; PERTH sailed on completion.
12. PERTH fired an Ikara on her own sonar information on Wednesday 17th August. Initial reports indicate that the torpedo did not acquire the target submarine.
13. The ship entered harbour at 0745 Friday 19th August having completed the OPFCO.
14. That same day 192 cadets of the training squadron of the Japanese Maritime Self Defence Force were conducted around PERTH.
15. During the evening, Friday 19th August, I was a guest at a cocktail party onboard JMSDF Ship KATORI.
16. On Monday 22nd PERTH sailed at 0945 to conduct several equipment trials and further weapon practices.
17. One WRAN officer and five WRAN sailors, from the communications department HMAS ALBATROSS, came to sea in PERTH on Tuesday 23rd August.
18. A ITR firing had been programmed for Tuesday 23rd August; unfortunately just before firing the missile, the Jindivik target splashed into the sea.
19. During the course of the week PERTH was programmed for ship handling practice in Jervis Bay. Each seaman officer berthed the ship alongside an anchored AWL. This was of excellent value, although the AWL was a bit small for a DDG to berth on. This exercise would be ideal for Commanding Officer designates especially in a frigate sized ship.
20. On Wednesday 24th PERTH spent several hours at anchor some two cables off the breakwater at RANC Jervis Bay, a requirement of a radio frequency interference trial of the TURANA aircraft. The aircraft was positioned at the head of the breakwater and PERTH radiated all radars, both search and fire control.
21. During the forenoon Thursday 25th PERTH conducted a very successful gun firing against the 16 feet radio controlled surface target boat (RCST) superficially damaging the target.

/22. During

R E S T R I C T E D

22. During the afternoon Thursday 25th August the Commander Target Services Group provided another Jindivik aircraft, this one towing a tonic target, flown in a higher profile than the one which had crashed two days before. Unfortunately the ITR missile self destructed shortly after lunch. Investigations, conducted so far, show that the missile had a fault and failed to gain rear lock. (HMAS PERTH message 261115Z AUG 77 and HMAS PERTH GT 6/77 refers)

23. PERTH berthed at the EMS berth alongside STALWART at 0805 Friday 26th August to commence a self maintenance period prior to deploying to West Australia.

24. The ship held an official cocktail party onboard on Friday 26th August for officers from Fleet Staff, Dockyard, Supply organisations and the Trials and Assessing Unit. You, Sir and several of your Commanding Officers attended.

25. A Higher Ranks promotion board was held on Wednesday 31st August. 3 Leading Seaman and 2 Able Seaman passed.

26. Marine Engineering

Main and auxiliary machinery operated satisfactorily during the month. Log calibrations on 16th August required 4 boilers and 270 RPM were rung on and achieved. Two working days were required to administer the ME Dept Occupational Analysis Questionnaire. This provoked some debate over the long standing anomalies of AWC pay for MPH sailors and the deletion of charge pay from MTP4s. It is to be hoped that the stated aim of the questionnaire "to rationalise pay" may be achieved without delay.

27. Weapons Electrical

An Operational Program Functional Check out (OPFCO) of the new Naval Combat Data System (NCDS) program 2FXH and Digital Tartar program DGM - 116J3 - 1 was conducted during the period 3 - 19 August, 1977. Although the OPFCO was conducted satisfactorily a number of lessons were learned including:

- : Excessive aircraft services had been programmed to perform the required tests
- : Time programmed to conduct the tests was generally excessive.
- : Tests required to perform the Tartar portion of OPFCO were inadequately specified and were not made available to PERTH until after the commencement of OPFCO. The delay in providing this information resulted in some conflicts being experienced during testing.

28. The new computer programs were accepted on behalf of you, Sir, on 19th August, 1977. The programs were subsequently made the "Action" programs (i.e. Programs which would be used in a real tactical situation) on 23rd August, 1977.

29. During OPFCO additional data on the problems reported in HMAS PERTH letter 20-0-5 dated 14th May, 1977 and HMAS PERTH letter 98-75-1 dated 5th July 77 concerning the poor acquisition performance of the AN/SPG-51C radars and poor height measurement of the AN/SPS-52 radar was acquired. This was made possible by utilising the excessive aircraft services programmed for OPFCO. Trials were conducted to determine the following:

- : Acquisition time in CASUALTY mode of operation
- : Acquisition time in NORMAL mode of operation with the correct aircraft height entered
- : Acquisition time in NORMAL mode of operation with incorrect aircraft heights entered
- : Differences in acquisition times when assigning a target using AMR (Assign Missile Radar) and EMO (Engage Missile Order)
- : Height errors of the AN/SPS-52 radar when measured by RH1 and RVP.

30. All trial records were handed to the team investigating the Updated DDG Operational Performance (ref COMAUSFLT message DXG/DSC/DWI 290046Z JUL 77) for analysis. Initial indications are that the poor acquisition performance of the AN/SPG-51C radars, since update in Longbeach Naval Shipyard during 1975, is consequent upon the poor height measurement of the AN/SPS-52 radar. Results indicate that the AN/SPG-51C radars are capable of achieving acquisition within 5 seconds after designation provided the correct target height is entered.

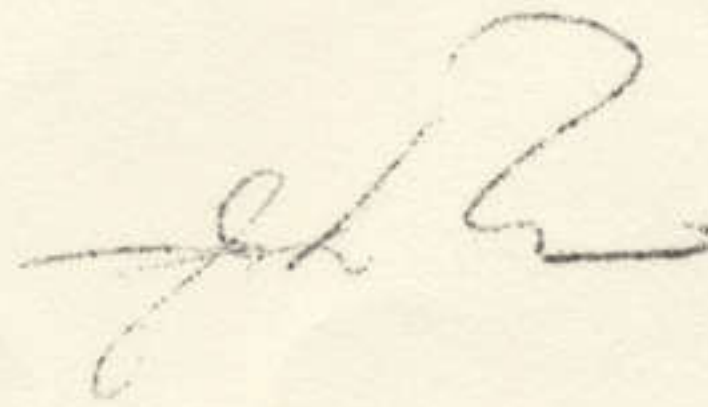
31. The health, morale and conduct of the Ship's Company is satisfactory.

32. The Welfare Committee met on 22nd August and the Ship's Company has been addressed on security matters.

I have the Honour to be,

Sir,

Your obedient Servant,



(E.E. JOHNSTON)
Captain RAN
Commanding Officer

R E S T R I C T E D

ANNEX A TO
HMAS PERTH 1/16/6
DATED 1SEP77

STEAMING FIGURES

1. Distance steamed during August 2462.1
2. Hours underway during August 210 $\frac{15}{60}$
3. Total distance steamed since first commissioning 384,158.5
4. Total hours underway since first commissioning 27,626 $\frac{40}{60}$
5. Occassions of exceeding fast routeing speed.

<u>Date</u>	<u>Speed</u>	<u>Hours</u>	<u>Remarks</u>
8th	24	1	EAXP
16th	20.5	2	EAXP
17th	22.8	1	EAXP
18th	21.6	2	EAXP
23rd	24.0	1	To recover JINDIVIK wreckage.

R E S T R I C T E D

R E S T R I C T E D

ANNEX B TO
HMAS PERTH 1/16/6
DATED 1SEP77

EXERCISE ANNEX

ASW

8th	Casex C3, Sonar Sensitivity check
10th	Casex A2, Prowlex
11th	ONSLOW's ORE (prowlex)
15th	Ikara Sat 2 and 3, Ikara countdowns
16th	Ikara Sat 3, countdowns and Exdak checks
17th	Casex A2, 2 Ikara Sat 2, exdak checks 2x Casex E12 (1 firing, 1 FMV for SWAN)

A.I.O.

9th	RAINEX/GOPEX
10th	F111C ADEX
11th	RAINEX/GOPEX, ADT training, F111C ADEX, NEX
15th	STX/SPX
16th	ADEX, STX/SPX
18th	NEX
22nd	ARRX, ADT training
23rd	RAINEX/GOPEX
24th	RAINEX/GOPEX

NBCD

11th	Major fire exercise in Engineroom
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COMMS

1st	FRX, SRX, TTX
2nd	FRX, SRX, NCX 207, NCX 418
8th	NCX 657, FRX
9th	NCX 657, FRX
10th	FRX, SRX, NCX 455
11th	NCX 453
15th	EWX 23, 22, 10
16th	FRX, TTX, EWX 10, EWX 24
17th	TTX, EWX 5
18th	FRX, SRX
19th	EWX 23
23rd	FRX, SRX
24th	SRX, EWX 24
25th	NCX 657, NCX 652, NCX 401, SRX, FRX, Flag Hoisting

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SEAMANSHIP

2nd	Rel Vel training (WATSON) - 1 officer
4th	Rel Vel training (WATSON) - 1 officer
8th	Action, emergency and leaving stations exercised
10th	Screenplay
12th	OOW Manoeuvres
15th	OOW Manoeuvres
16th	Screenplay
16th	OOW Manoeuvres
17th	Log calibration
19th	OOW Manoeuvres
23rd, 24th 25th	Ship Handling - berthing of AWL (total 17 berthings)

GUNNERY

8th	MVME firing, MTX, Balloon tracking
9th	MTX
10th	AA1, MTX, Balloon tracking
11th	3 MVME firings, NEX
15th	NG2, MTX, Balloon tracking
17th	MVME firing, MTX
18th	NG2, Mount 51 range trial, ML48 WP Shell ballistics trial, MTX, NEX
22nd	Australian manufactured 5 in cartridge trial, MVME firing (OPEVAL), MTX
23rd	MVME firing (OPEVAL), MTX, balloon tracking
24th	Balloon tracking
25th	MVME firing (OPEVAL), SU4 (RCST), MTX, IIR firing (NM3)

TRAINING

Higher ranks training conducted in Physical training, Power of Command and firefighting for 6 Leading Seaman and 19 Able Seaman on following days, 2,5,10,12, 16,18,19,20,23,24,25,26,29 and 30 August for a Board held 31st August.

30th and 31st	Demolition Course at HOLDSWORTHY for 1 Lieutenant, 1 Petty Officer and 4 Able Seaman
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6th - 22nd 1 ABQMG on P.B. course at CERBERUS

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R E S T R I C T E D

ANNEX C TO
HMAS PERTH 1/16/6
DATED 1 SEP 77

SPORTS ANNEX

<u>Date</u>	<u>Sport</u>		<u>Players</u>	<u>Results</u>
		PERTH V VAMFIRE		
01AUG	V/BALL	PERTH V VAMPIRE	7	Won 2 - 1
02AUG	V/BALL	PERTH V VENDETTA	7	Draw 2 - 2
03AUG	Softball	PERTH V VAMPIRE	11	Won 19 - 10
03AUG	Basketball	PERTH V VAMPIRE	7	Won 41 - 34
03AUG	Rugby	DEST/ESCTS V PLATS/WATER-- HEN	2	Won 52 - 0
03AUG	Squash	PERTH V STALWART	4	Won 3 - 1
05AUG	V/BALL	PERTH V VAMPIRE	8	Won 3 - 0
26AUG	Rugby	PERTH V VAMPIRE	18	Lost 8 - 0
30AUG	V/BALL	PERTH V SWAN	8	Lost 2 - 11
31AUG	RUGBY	DEST/ESCTS V ALBATROSS	1	Won 18 - 4
31AUG	AUST RULES	DEST/ESCTS V BIG SHIPS	7	Won 12-22, 94 12-15, 87
31AUG	Soccer	DEST/ESCTS V NIRIMBA 'A'	5	Lost 13 - 0
31AUG	Softball	PERTH V VENDETTA	13	Won 13 - 10

R E S T R I C T E D

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i/16/6

HMAS PERTH
at Hobart.

1st October, 1977

The Flag Officer Commanding
HM AUSTRALIAN FLEET

For Information:

The Australian Naval Attache'
WASHINGTON

The Commander
FIRST AUSTRALIAN DESTROYER SQUADRON

The Commanding Officer, HMAS BRISBANE
HOBART

HMAS PERTH - REPORT OF PROCEEDINGS - SEPTEMBER 1977

Sir,

1. I have the honour to report the proceedings of HMAS PERTH, under my command, for the month of September 1977. Time zones are shown with each time.
2. At the beginning of September PERTH was alongside at Garden Island Dockyard in the final stages of a Self Maintenance Period.
3. PERTH was moved to a buoy on Friday 2nd September to top up with ammunition prior to deployment.
4. PERTH sailed at 0900K Monday 5th September, in company with HMAS SUPPLY, VAMPIRE and SWAN for Westex 77, a Fleet deployment to Western Australia. The ship conducted many exercises on passage and this was a valuable period for training four new Officers of the Watch who had joined during the SMP.
5. HMAS VAMPIRE, SWAN and PERTH entered Port Phillip Bay at 0800K Wednesday 7th September and hove to off Queenscliff to embark members of the Army Staff Course. The ships then sailed and joined SUPPLY for a demonstration seaday.
6. The thirty course members in PERTH witnessed Officer of the Watch manoeuvres, jackstay and fuelling, AA firings and were given presentations and ship tours.
7. The ship re-entered Port Phillip at 1600K to disembark the Course members. On completion all ships set course for Adelaide.
8. You, Sir, embarked in PERTH by jackstay at 1514 IK on Thursday 8th September.



/9. PERTH in

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9. PERTH in company with VAMPIRE and SWAN berthed alongside at Port Adelaide at 0810IK Friday 9th September. You, Sir, then departed to rejoin SUPPLY at Adelaide Outer Harbour.
10. At 1100IK Friday 9th September I accompanied the Commanding Officers HMAS VAMPIRE and HMAS SWAN on calling upon the Mayor of Port Adelaide, Mr H.C.R. Marten.
11. During Friday 9th September PERTH was visited by groups from RANITE (Ikara Trainees), Boiler Inspectors from the Department of Labour and Industry, members of the Naval Families Club and officers from the Weapons Research Establishment at Salisbury.
12. You, Sir, held your official reception onboard PERTH that evening Friday 9th September. The reception concluded with a Ceremonial Sunset Ceremony.
13. I held a private dinner party onboard after the reception. My guests included Mr and Mrs Tom Hardy, Managing Director of T. Hardy and Sons, who expressed a great liking for the ship's private label red wine, known fondly as PERTH red.
14. Visits to PERTH took place on Saturday 10th September by the Tea Tree Gully Naval Association, schoolchildren of Elizabeth Vale Primary School, 20 members of the Good Neighbour Council and the Salisbury Job Hunters Club (Department of Community Welfare).
15. I was a guest to lunch of the South Australian Jockey Club prior to attending their Cheltenham meeting. The day was a social rather than a financial success.
16. On Saturday evening my Executive and Navigating Officers attended dinner at the home of Mr and Mrs David Burchell. Mr David Burchell keeps in touch with the HMAS PERTH associations around Australia and with the present HMAS PERTH, as he dived on the wreck of HMAS PERTH sunk in the Sunda Strait on 1st March 1942.
17. Ship visits were made by the First Torrens Park Scout Group, members and families of the United Service Institution and members of the Navy League on Sunday 11th September.
18. PERTH was open to public inspection on Sunday 11th September, 2350 people looked over the ship.
19. It had been planned to hold a seaday off Adelaide for V.I.P.'s on Monday 12th September but the weather that forenoon was so unpleasant that the ships remained alongside and the V.I.P.'s toured the ships and had luncheon onboard. Amongst those who toured PERTH were His Excellency the Governor, Mr Keith Seaman OBE, the Chief Justice of South Australia, The Hon Doctor John Bray and Mr Chris Hurford MP for Adelaide, the Shadow Federal Treasurer.
20. The ships cast off from Port Adelaide at 1440IK Monday 12th September joined HMAS SUPPLY and the Task Group set course to rendezvous with HMAS MELBOURNE and BRISBANE off Western Australia. The latter ships were returning from Her Majesty Queen Elizabeth's Jubilee Celebrations in the United Kingdom.

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21. The rendezvous with HMAS MELBOURNE and BRISBANE took place off Houtmans Abrolhos at 0700H Sunday 18th September. That afternoon all ships rehearsed procedures and manoeuvres for a Shopwindow to be held off Fremantle the next day.
22. The Task Group anchored in Gage Roads off Fremantle at 0630H Monday 19th September. Guests embarked by boat and the ships weighed at 0800H.
23. During the course of the day the guests watched manoeuvres, aircraft operations onboard MELBOURNE, air weapons demonstration, AA firings, jackstay transfer and refuelling and toured each department.
24. The guests for the day onboard PERTH were 35 Junior Recruits from HMAS LEEUWIN and 15 V.I.P.'s, who included Regional Secretary's for Navy, Army and Air Force, The Secretary State Public Service Board and the Leader of the State National Country Party, The Honourable R.C. Old.
25. The Task Group berthed between 1600H and 1640H at Fremantle harbour. USS BENJAMIN STODDERT (Commander A.M. MacDonald USN) with COMDESRON 35, Captain P. Blundell USN embarked was alongside when the Task Group entered harbour.
26. At 1930H Monday 19th September I was a guest, with yourself, Sir, and other Commanding Officers at dinner with the Naval Officer Commanding Western Australia, Commodore N.A. Boase RAN.
27. On Tuesday 20th September five classes of 30 schoolchildren in each class visited PERTH.
28. I hosted a Lunch Party for six guests onboard Tuesday 20th September.
29. PERTH was open for public inspection on Tuesday 20th September, 1527 members of the public came onboard.
30. On Wednesday 21st September groups of Junior Recruits from HMAS LEEUWIN toured all the ship. Those visiting were of category Electronic Technical, Cook and Steward.
31. Other visits that day were by ten Engineering undergraduates and fifteen staff from the Regional Secretary's office.
32. I joined the other Commanding Officers and yourself, Sir, as guests of the Royal Perth Yacht Club at lunch on Wednesday 21st September.
33. I attended a Navy Week and Silver Jubilee reception at HMAS LEEUWIN at 1830 Wednesday 21st September.
34. On all three days of the visit to Western Australia sailors from PERTH formed working parties at Sister Kate's Home for homeless children, PERTH's adopted charity. On Wednesday 21st September all the children from the Home attended a party onboard.

/35. PERTH

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35. PERTH sailed in company with HMAS MELBOURNE, VAMPIRE, BRISBANE, SUPPLY, SWAN and USS BENJAMIN STODDERT at 0940 Thursday 22nd September.
36. At 1700 Monday 26th, after fuelling from SUPPLY, PERTH detached from the Task Group and set course for Hobart Town
37. A quarterly full power trial was conducted during the afternoon Tuesday 27th September. The ship reached a speed of 32.5 knots.
38. At 0830 Wednesday 28th PERTH came to anchor in Opossum Bay, River Derwent, to prepare the ship for her Hobart visit.
39. PERTH berthed at Self's Point fuelling wharf at 1400 that day, fuelling was completed at 1630. The ship was then moved alongside Number 4 Prince's Wharf. HMAS STALWART was already berthed alongside when PERTH arrived.
40. It had been planned that STALWART and PERTH would sail for four and a half hours at sea on Thursday 29th with V.I.P.'s onboard for a sea demonstration. Unfortunately due to the weather sailing had to be cancelled, instead the guests were given ship presentation, tours and luncheon. The guests changed ships at 1300 and much favourable comment was received!
41. Amongst the guests were Senators Devitt, Wreidt and Shirley Walters; representatives of the Church, Police, Harbour Department and other civil authorities.
42. During the evening of Thursday 29th September STALWART and PERTH combined to hold an official reception for 160 guests onboard STALWART. After the reception I held a private dinner party onboard for the Naval Officer in Charge, Tasmania, Commander D. Falconer and Mrs Falconer and Mr and Mrs Baker of E.Z. Industries.
43. At 1000 Friday 30th September I called on the Lord Mayor of Hobart, The Right Honourable Alderman D.R. Plaister MBE.

Marine Engineering

44. Main and auxiliary machinery and systems performed satisfactorily during the month, and a full power work up was completed successfully on 27th. Numbers of experienced engine room watchkeepers were reduced below an acceptable minimum as a result of one discharge on compassionate grounds and one posting for course. The situation, though temporary, highlights the overall shortage of senior ME department sailors.

/The Health


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The health, morale and conduct of the Ships Company
is satisfactory.

The Welfare Committee has met during September.


(E.E. JOHNSTON)
Captain RAN
Commanding Officer

The health, morale and conduct of the Ships Company
is satisfactory.

The Welfare Committee has met during September.


(E.E. JOHNSTON)
Captain RAN
Commanding Officer

The health, morale and conduct of the Ships Company
is satisfactory.

The Welfare Committee has met during September.

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ANNEX A TO
HMAS PERTH 1/16/6
DATED 01OCT77

STEAMING DETAILS

1. Distance steamed during September 5835.5
2. Hours underway during September 410 $\frac{15}{60}$
3. Total distance steamed since first commissioning 389,994.0
4. Total hours underway since first commissioning 28,036 $\frac{25}{60}$
5. Occasions of exceeding fast routeing speed:

<u>Date</u>	<u>Speed</u>	<u>Hours</u>	<u>Remarks</u>
5th	20.7	1	WESTEX 77
7th	21.8	1	WESTEX 77 (ASC SEA DAY)
14th	22.1	1	WESTEX 77
18th	21.5	1	WESTEX 77
26th	20.2	1	Quarterly FPT
26th	26.0	1	-"-
26th	30.0	$\frac{1}{2}$	-"-
26th	32.5	$\frac{1}{2}$	-"-
26th	31.3	$\frac{1}{2}$	-"-
26th	25.6	$\frac{1}{2}$	-"-

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ANNEX B TO
HMAS PERTH 1/16/6
DATED 01OCT77

EXERCISE ANNEX

Communications

1st NCX 204
2nd NCX 401, Flag hoists
6th NCX 401, NCX 657, NCX 201, NCX 205, Flag hoists, EWX 6, EWX 22
7th NCX 453, NCX 401, NCX 251, Flag hoist, EWX 23
8th NCX 657, NCX 350, NCX 401, EWX 22
9th NCX 350
12th EWX 24
13th EWX 20, NCX 401, NCX 453, EWX 10, EWX 13
14th NCX 252, NCX 401, NCX 453, EWX 10, EWX 23, EWX 22
15th NCX 401, NCX 604, EWX 23, EWX 10, EWX 24
16th Flag hoists
17th NCX 604
22nd NCX 201, NCX 203, EWX 23, EWX 5
23rd NCX 201, NCX 203, NCX 305, NCX 401, NCX 657
25th NCX 202, EWX 5, NCX 402, NCX 350
26th NCX 350, NCX 201, EWX 15, EWX 24, NCX 350(2), NCX 401, NCX 501,
EWX 5
27th EWX 1

A.I.O. Exercises

6th RAINEX/GOPEX,ARRX
8th REL VEL QUIZ,RAINEX/GOPEX
9th REL VEL COMPETITION
12th LONG HAUL LINKEX, IFF CHECKS ALPHA, SPX/STX
13th REL VEL COMPETITION, SYNTHETIC ARRXX, RAINEX/GOPEX, LONG HAUL
LINKEX, SAGOPS (NON-FIRING)
14th REL VELCOMPETITION, SAGOPS (NON-FIRING), LONG HAUL LINKEX,
SPX/STX
15th LONG HAUL LINKEX, VOICE PROCEDURE EXERCISE
16th LONG HAUL LINKEX, VOICE PROCEDURE, REL VEL AND PUBLICATION
TRAINING
17th ARRXX, GOPEX/RAINEX, SPX/STX, REL VEL TRAINING
18th COMMUNICATIONS EXERCISE, REL VEL, PUBLICATION AND RAINFORM
TRAINING
19th VOICE PROCEDURE, REL VEL
22nd MODEX BRAVO
23rd ARRXX, COMMUNICATIONS TRAINING
24th GOPEX/RAINEX, SPX/STX, A.A.W. AND VOICE PROCEDURE TRAINING
25th REL VEL TRAINING
26th REL VEL TRAINING, PUBLICATION TRAINING
27th ARRXX

TAS

5th Casex
13th Casex C2(s), PME Tapes, torpedo recovery lecture
14th Exdak checks T Mk 6 lecture

/15th

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15th Casex A2 (s), PME tapes, Ikara drills, SC training
16th Exdak checks
17th Command and control drills, MSS instruction
18th SAU procedures
22nd Bathythermograph lecture, PME tapes
23rd Exdak checks, oceanography lecture, ASWD lecture
26th UWT comms exercise, SAU procedures, exdak checks and oceanography lecture
27th Self noise trial, ASW torpedo lecture

Seamanship

5th OOW Manoeuvres, screenplay
6th OOW Manoeuvres, jackstay, RAS(L), screenplay
7th OOW Manoeuvres, jackstay, token RAS (L)
8th OOW Manoeuvres, RAS (L)
12th RAS (L), screenplay
13th OOW Manoeuvres, RAS (L), screenplay
14th Night steam, dark and silent
15th RAS (L), screenplay
16th Screenplay
17th 2 OOW Manoeuvres, RAS (L)
18th OOW Manoeuvres, RAS (L), screenplay
19th OOW Manoeuvres, token RAS (L)
22nd OOW Manoeuvres, RAS (L), screenplay
23rd Resdes, night steam dark and silent
24th OOW Manoeuvres, RAS (L), Screenplay
25th Stationmaster
26th OOW Manoeuvres, MEDIVAC jackstay, RAS (L)

Gunnery

5th AA 1/2
6th Balloon tracking, 0.5 cal instruction
7th AAROFX, AACRFX
8th Small arms instruction, balloon tracking
13th NGS drills, balloon tracking
14th Balloon tracking, AAROFX, AACRFX, NG2, SAGOPS, STX (System 1)
15th Balloon tracking, Landing party instruction
17th STX (System 1) NEX
18th AAROFX, AACRFX, SAGOPS, NEX
19th AAROFX, AACRFX
22nd AA 1/2
23rd NGS drills
24th NG 1/2, STX (System 1)
26th SAGOPS, small arms firing, Landing party and small ships boarding party instruction.

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ANNEX C TO

HMAS PERTH 1/16/6

DATED 01OCT77

SPORTS ANNEX

<u>Date</u>	<u>Sport</u>		<u>Players</u>	<u>Results</u>
01SEP	V/BALL	PERTH V SWAN	6	Draw
01SEP	Rugby	PERTH V SWAN	10	Lost 10 - 0
10SEP	Aust Rules	FLEET V 3 R.A.R.	9	Lost 11-7/7-9
10SEP	Rugby	PERTH V ONKAPARINGA	21	Lost 31-13
11SEP	Squash	PERTH V SWAN V VAMPIRE	7	(Gradings No Comp)
11SEP	Soccer	FLEET V ELIZABETH CITY CLUB 1	3	Draw 5 - 5
11SEP	Rugby	FLEET V ELIZABETH RUGBY CLUB	5	Won 16 - 7
11SEP	Hockey	FLEET V PORT ADELAIDE CLUB	3	Lost 2 - 1
11SEP	Rugby	FLEET V ELIZABETH RUGBY CLUB	4	Lost 14 - 10
20SEP	Soccer	FLEET V LEEUWIN I.S. SQUAD	1	Won 6 - 1
20SEP	Rugby	FLEET V PALMYRA	4	Lost 25 - 16
21SEP	Squash	SWAN 1 V PERTH 2 V BRISBANE 3	4	1 Def 2 Def 3
21SEP	Basketball	PERTH & BRISBANE V SWAN	4	Lost 39 - 18
21SEP	Aust Rules	PERTH & BRISBANE V SWAN	10	Lost 101 - 23
21SEP	Hockey	FLEET V LEEUWIN I.S. SQUAD	1	Drew 1 - 1
21SEP	Squash	FLEET V HILTON PARK	1/12	Lost 11 - 1
30SEP	Golf	PERTH V STALWART	2	Lost 58 - 46
30SEP	Basketball	PERTH V STALWART	10	Won on Forf
30SEP	Volleyball	PERTH V HUON V ARMY V STALWART	8	2nd out of 4
30SEP	Volleyball	PERTH V STALWART	7	Lost 2 - 0
30SEP	Volleyball	PERTH V STALWART WR	9	Lost 2 - 0
30SEP	Badmington	PERTH V HUON V ARMY V STALWART	4	2nd out of 4

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HMAS PERTH
At Sea

1st November 1977

The Flag Officer Commanding
H.M. AUSTRALIAN FLEET

For Information:

The Australian Naval Attache'
WASHINGTON

The Commander
FIRST AUSTRALIAN DESTROYER SQUADRON

The Commanding Officer
HMAS BRISBANE

The Commanding Officer
HMAS HOBART

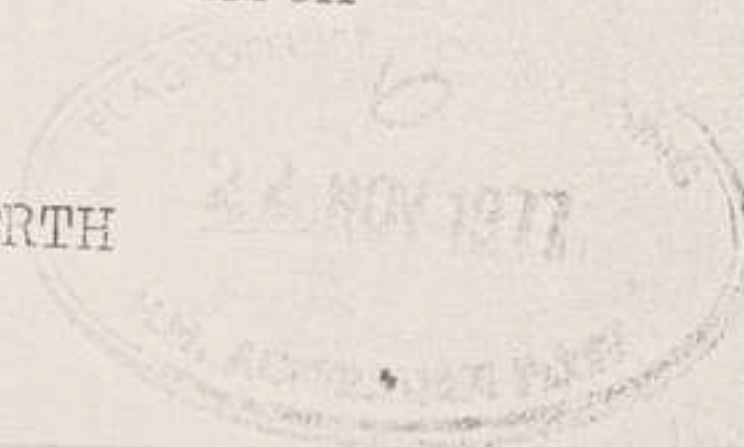
HMAS PERTH - REPORT OF PROCEEDINGS - OCTOBER 1977

Sir,

1. I have the honour to report the proceedings of HMAS PERTH, under my command, for the month of October 1977. Time zones are shown with each reported time.
2. PERTH was alongside Prince's Wharf, HOBART, at the beginning of October on an operational visit.
3. During the forenoon Saturday 1st October groups from the Naval Reserve Cadets (TS DERWENT) and the Belleview Cub pack visited PERTH. The ship was open to public inspection from 1400Z until 1700Z; 1290 visitors came onboard.
4. PERTH sailed at 1000Z Sunday 2nd October with HMAS STALWART in company and set course to rendezvous with a Task Group under your command, Sir.
5. At 0700Z Monday 3rd October, PERTH and STALWART joined HMAS MELBOURNE, SUPPLY, VAMPIRE, BRISBANE, SWAN and DERWENT south of Point Hicks in Bass Strait. During the forenoon a rehearsal was conducted for a Shopwindow to be held off Sydney the following day.
6. Four of the Shopwindow participants, including PERTH, secured to buoys in Port Jackson at 0700Z Tuesday 4th October to embark guests. These ships sailed at 0900Z to join up for the Shopwindow.
7. The display included high speed manoeuvring, gunnery firings, Fleet Air Arm displays, jackstays, mortar firings and replenishment. On completion, the ships entered Port Jackson and PERTH secured to a buoy at 1430Z.

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/s. PERTH



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PERTH ammunitioned on Wednesday 5th October then moved alongside HMAS STALWART at 1445K for maintenance and storing.

9. During this period in Sydney, three of my seaman Lieutenant Commanders sat ship command tests held at Fleet Headquarters.

10. Accompanied by my Mechanical and Weapons Electrical Engineer Officers, I attended the 1977 Naval Symposium on Thursday 6th and Friday 7th October at HMAS WATSON.

11. At 1000K Wednesday 12th October, PERTH sailed in company with HMAS VAMPIRE and SWAN for Operation SINDEK 77. HMAS SUPPLY joined later in the day.

12. The ships exercised together until 0200K Friday 14th October when HMAS SUPPLY and VAMPIRE detached for BRISBANE and HMAS PERTH and SWAN set course for TOWNSVILLE.

13. A pleasant social evening and smorgasbord was held on the upper deck at about sunset on Saturday 15th October, as the ships passed through the Whitsunday Passage.

14. PERTH and SWAN berthed at TOWNSVILLE at 1000K Sunday 16th October. Already alongside on our arrival were HMAS STALWART, KRI MARTADINATA (LET KOL Y EFFENDI) flying the broad pennant of the Commander Eastern Squadron, the COMMODORE GATOT SOEWARDI and KRI NGURAH RAI (LET KOL S. SJAFFRI) flying the flag of the Commander, Eastern Fleet, REAR ADMIRAL PRASODJO MAHDI. All the warships in TOWNSVILLE were to take part in the combined RAN/RAAF/TNI-AL Exercise Southern Cross II.

15. At 1100 Sunday 16th October, the Commanding Officers KRI MARTADINATA and NGURAH RAI called on me as Officer in Tactical Command for Southern Cross II and on other RAN Commanding Officers. These calls were followed by a luncheon hosted by the Commanding Officer, HMAS STALWART, CAPTAIN B.J. ORR, RAN.

16. A visit by forty Sea Cadets and seven instructors was made during the afternoon Sunday 16th October and following that at 1400K, PERTH was open to public inspection; 1495 visitors came onboard.

17. For the evening, REAR ADMIRAL MAHDI hosted a dinner at a local Chinese restaurant for RAN and TNI-AL senior Officers and AJASS staff. A veritable Chinese banquet was served with helpings of such proportion that several platters were carried off to another table where some of my officers gratefully accepted this evidence of Indonesian good will.

18. At 0900K Monday 17th October, I attended an exercise briefing and opening ceremony at RAAF TOWNSVILLE (GROUP CAPTAIN P. SCULLY RAAF).

19. A luncheon for local dignitaries and exercise participants was held on PERTH's upper deck on Monday 17th October. REAR ADMIRAL MAHDI and the Mayor of TOWNSVILLE, ALDERMAN PERCE TUCKER attended.

/20. At 1830K

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20. At 1830K Monday 17th October, I attended a reception onboard KRI MARTADINATA.
21. The ships commenced sailing for the exercise at 0830 Tuesday 18th October and formed column once clear of the harbour for passage through Palm Passage to the exercise area.
22. Details of the exercise and Officer in Tactical Command comments are included in my Post Exercise Report.
23. HMAS SUPPLY joined the exercise on Friday 21st October and fuelled HMAS PERTH, SWAN and KRI NGURAH RAI on Saturday 22nd October before detaching for DARWIN.
24. HMAS PERTH, SWAN, KRI MARTADINATA and NGURAH RAI anchored off CAIRNS at 1245K Saturday 22nd October for an Operation Awkward to be held that evening.
25. You, Sir and REAR ADMIRAL MAHDI visited ships of the other Navy during the Operation Awkward. REAR ADMIRAL MAHDI dined onboard PERTH that evening together with COMMODORE SOEWARDI.
26. A post exercise discussion was held onboard HMAS STALWART at 1000K Sunday 23rd October. This was followed by an exchange of crests and then a luncheon on STALWART's boat deck.
27. PERTH weighed and proceeded for DARWIN at 1400K Sunday 23rd October via the Inner Reef Passage.
28. At 0900 IK Thursday 27th October, PERTH berthed alongside NO. 2 Stokes Hill Wharf, DARWIN, for an operational visit. On arrival, HMAS SUPPLY was alongside with your flag flying, Sir.
29. A buffet luncheon was held onboard PERTH at 1200 that day for local residents.
30. Twenty eight students toured the ship during the afternoon, Thursday 27th October.
31. During the evening Thursday 27th October, my officers, senior and junior sailors were entertained at a barbeque at HMAS COONAWARRA and I attended a dinner hosted by the Legislative Assembly. You, Sir attended this dinner as Guest of Honour.
32. PERTH sailed from DARWIN at 1100IK Friday 28th after a welcome but all too brief visit. PERTH joined HMAS SUPPLY clear of the harbour and both ships proceeded to rendezvous with HMAS STALWART, VAMPIRE and SWAN at 1500IK. The Task Group set course for SINGAPORE and is due to arrive there Friday 4th November.
33. The Fleet Chaplain, CHAPLAIN BILL ROSIER joined by helicopter at 1830IK Friday 28th October for two days. His presence was much appreciated.

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/34. MARINE ENGINEERING

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MARINE ENGINEERING

34. Main and Auxiliary machinery performed satisfactorily during the month. Loss of vacuum on the starboard main engine 12th October on departure from Sydney was caused by corrosion and failure of a section of the main engine drain line and a subsequent survey of pipework of a similar nature in all main machinery spaces revealed varying degrees of deterioration. Appropriate repair and replacement work has been noted for forthcoming maintenance periods and the next main refit work list will contain a significant amount of bilge area pipework.
35. The departmental training programme has been more fruitful this month. The recovery in DARWIN of a CPOMTP3 from BNH will improve this situation further.
36. Since August 1977, HMAS PERTH has conducted a variety of trials involving search radars, Naval Combat Data System (NCDS) and the Tartar Missile Fire Control System (MFCS) - aiming to assess the overall combat system performance. The trials were designed to evaluate PERTH's ability to detect aircraft targets, estimate their position in space and acquire and track them with the MFCS radars. The trials have indicated that there are two critical links in this pre-engagement sequence:
- (a) the ship's inability to determine the target's position (particularly its height) to a sufficient accuracy to enable the MFCS tracking radars to acquire the target in a reasonable time (approx. 5 seconds), and
 - (b) the MFCS radar's inability to adapt in order to acquire the target if initially, the target's position as determined by the ship, is in error.
37. The latter item became the subject of extensive trials conducted by PERTH during October 1977. The software controlling the search criteria of the MFCS radars (whilst looking for an aircraft target) was examined by the DDG Operational Performance Investigation Team, and changes to the software were made in an attempt to improve the "acquisition performance" of these radars. Results using these program changes have yet to be analysed, but initial indications are that there is a marginal improvement in acquisition time and that there may be a substantial improvement in the reliability of target acquisition.
38. The health of the ship's company is good, morale satisfactory but conduct ashore has lapsed, particularly in TOWNSVILLE. This has been the subject of a Commanding Officer's address.
39. The Welfare Committee has met during October.

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2/2
(E.E. JOHNSTON)
CAPTAIN RAN
COMMANDING OFFICER

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ANNEX A TO HMAS PERTH
LETTER 1/16/6
DATED 1NOV77

STEAMING DETAILS

1. Distance steamed during October 5499.1
2. Hours underway during October 414 $\frac{37}{60}$
3. Total distance steamed since first commissioning 395,493.1
4. Total hours underway since first commissioning 28,451 $\frac{02}{60}$
5. Occasions of exceeding fast routeing speed:

<u>Date</u>	<u>Speed</u>	<u>Hours</u>	<u>Remarks</u>
03 OCT	20.8	1	EAXP
12 OCT	20.1	1	SINDEX 77
30 OCT	20.6	1	SINDEX 77
30 OCT	24.2	1	SINDEX 77

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ANNEX B TO HMAS PERTH
LETTER 1/16/6
DATED 1NOV77

EXERCISE DETAILSSEAMANSHIP

<u>DATE</u>	<u>EXERCISE NO.</u>	<u>SHORT TITLE</u>
03 OCT	10	OOW MANOEUVRES
	13	JACKSTAY
	14	RAS (L) (D)
04OCT	10	OOW MANOEUVRES
	13	JACKSTAY
	14	RAS (L) (D)
12OCT	10	OOW MANOEUVRES
13OCT	25, 25	2 x SCREENPLAY
	10	OOW MANOEUVRES
	14	RAS (L) (D)
	13	JACKSTAY
15OCT	10	OOW MANOEUVRES
16OCT	24	SHIPHANDLING - N.O. BERTH
18OCT	10	OOW MANOEUVRES
20OCT	10	OOW MANOEUVRES
21OCT	17	RAS (L) (N)
22OCT	14	RAS (L) (D)
	31	FORMATION ANCHORAGE
27OCT	24	SHIPHANDLING - N.O. BERTH
29OCT	10	OOW MANOEUVRES

ASW

<u>DATE</u>	<u>EXERCISE NO.</u>	<u>SHORT TITLE</u>
12OCT	23	T MK 6 STREAMING
	52	IKARA SAT 3
	53	EXDAK CHECKS
14OCT	53	EXDAK CHECKS
15OCT	53	EXDAK CHECKS
18OCT		LECTURE - OBERON SUBMARINES
19OCT	64	CASEX C2S
	45	CASEX A2
	46	CASEX A3
20OCT	46	CASEX A3
	49	CASEX C2
21OCT	49	CASEX C2
22OCT	28	AWKEX (4 ship)
28OCT	53	EXDAK CHECKS
		MAR DRILLS
29OCT		MAR DRILLS
		SONAR TRAINING
30OCT	52	IKARA SAT 3
	53	EXDAK CHECKS
31OCT		MAR DRILLS
		LECTURE - BATHYTHERMOGRAPH

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AIO

<u>DATE</u>	<u>EXERCISE NO.</u>	<u>SHORT TITLE</u>
12OCT	42 37 36	IFF CHECKS ARRX GOPEX/RAINEX
13OCT	36 37	LINKEX GOPEX/RAINEX ARRX
14OCT	32 32	LINKEX SPX/STX SPX/STX
15OCT	36	TRAINING MODULE INST.
17OCT		GOPEX
18OCT	37	CACREX 601/604
20OCT		ARRX
21OCT	39	REL VEL INSTRUCTION
24OCT		SUTX/ADEX
25OCT		RP COMMAND TEST TRAINING
26OCT		RP DIVISIONAL PERIOD
29OCT	36 32	TRAINING MODULE INST. TRAINING MODULE INST. GOPEX/RAINEX
31OCT	37 36	SPX/STX TRAINING MODULE INST. ARRX GOPEX/RAINEX

GUNNERY

<u>DATE</u>	<u>EXERCISE NO.</u>	<u>SHORT TITLE</u>
04 OCT	142	AAROFX (SYDNEY SHOPWINDOW)
12 OCT	136	AA3
14 OCT		GUN FUNCTIONING - MT 51
15 OCT		BALLOON TRACKING
20 OCT	136	LSQMG .50 CAL MG INSTR.
21OCT	142	ABQMG SMALL ARMS INSTR.
24 OCT		SMALL ARMS FIRING
25 OCT		AA3 (EXERCISE SOUTHERN CROSS II)
26 OCT		AAROFX (EXERCISE SOUTHERN CROSS II)
28 OCT		DEFENCE WATCH NGS DRILLS
29 OCT		SMALL ARMS FIRING -
30 OCT		LANDING PARTY HQ SECTION
		DEFENCE WATCH NGS DRILLS
		SMALL ARMS FIRING -
		LANDING PARTY SECTION ONE
		JUNIOR OFFICERS PYROTECHNIC
		FIRING INSTRUCTION
		DEFENCE WATCH NGS DRILLS
		SMALL ARMS FIRING -
		LANDING PARTY SECTION TWO
		SMALL ARMS FIRING -
		LANDING PARTY SECTION THREE
		BALLOON TRACKING
		SMALL ARMS FIRING -
		INTER MESS PISTOL SHOOT

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COMMUNICATIONS

<u>DATE</u>	<u>EXERCISE NO.</u>	<u>SHORT TITLE</u>
03 OCT	94	EWX 10
06 OCT	112, 113	NCX 201, 202, COM ORG LECTURE
07 OCT	112, 113	NCX 201, 202
11 OCT	112, 113	NCX 201, 202 JCOMMEX 6
12 OCT	118, 127, 123	NCX 401, 604, JCOMMEX 6, NCX 453
13 OCT	111, 112, 94m 106, 118, 127	EWX 24, NCX 201, EWX 10, EWX 22, NCS 401, 604
14 OCT	113, 107	NCX 657, EWX 23
15 OCT	94	EWX 10
16 OCT	118, 118	NCX 401, NCX 401
17 OCT	114	NCX 204, 205, 301
24 OCT	112, 113	NCX 201, 202
25 OCT	112, 113	NCX 201, 202, 204
26 OCT	112, 113	NCX 201, 202
28 OCT	91, 107, 94	EWX 5, EWX 23, EWX 10
29 OCT	104, 126	EWX 20, NCX 501
30 OCT		NCX 350
31 OCT	113	NCX 657
		RIG EMERGENCY UHF AERIALS

NBCD

<u>DATE</u>	<u>EXERCISE NO.</u>	<u>SHORT TITLE</u>
14 OCT	75, 77	CLEANEX, DECOMTEX
19 OCT	74, 78	NBCD COMMS, MINOR DCX
20 OCT	74, 78	NBCD COMMS, MINOR DCX
	80	CLOSING DOWN 12A
21 OCT	76, 78	MONITEX, MINOR DCX
22 OCT	80	CLOSING DOWN 12A
24 OCT	74	NBCD COMMS
25 OCT	78	MINOR DCX
29 OCT	78	MINOR DCX

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ANNEX C TO HMAS PERTH
LETTER 1/16/6
DATED 1NOV77

SPORT DETAILS

<u>DATE</u>	<u>SPORT</u>	<u>TEAMS</u>	<u>PLAYERS</u>	<u>RESULT</u>
1st	SQUASH	PERTH V STALWART	4	LOST 4 - 0
1st	AUST RULES	PERTH V DOMINICAN OLD SCHOLARS ASSOC.	12	LOST 36 - 12
1st	RUGBY	PERTH V STALWART	20	LOST 23 - 3
27th	WATERPOLO	PERTH V RAAF DARWIN	8	LOST 9 - 5
27th	SOFTBALL	PERTH V COONAWARRA	12	DRAW 14 - 14
27th	SQUASH	PERTH V DARWIN SQUASH TEAM	4	LOST 4 - 0
27th	VOLLEYBALL	PERTH V REDBACKS	8	WON 3 - 2

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ROYAL AUSTRALIAN NAVY

Telephone:

359-9111

Extension 3139

146/11
042332

N473/31
OFFICE OF THE
FLAG OFFICER COMMANDING,
H.M. AUSTRALIAN FLEET,
FLEET HEADQUARTERS,
GARDEN ISLAND, N.S.W. 2000

No. A.F. 1/16/44

Department of Defence (Navy Office)

04 JAN 1978

HMAS PERTH - REPORT OF PROCEEDINGS - NOVEMBER 1977

1. Forwarded.
2. The materiel condition of the ship as reported at paragraph 36 has been investigated and it is agreed that considerable outside assistance will be required by the ship if it is to be ready for JUC 98 and RIMPAC 78. This condition had not been fully reflected in URDEF and INDEF reports but this administrative deficiency has now been corrected.
3. The reason for the very large backlog of work is not entirely clear. The reported curtailments and disruptions of planned Assisted Maintenance Periods and Self Maintenance Periods must inevitably have affected the ship's maintenance plan, but a review of the ship's programme in 1977 has confirmed that the requirements of the DDG usage and upkeep cycle have been met.
4. Current defects include leaking steam isolating valves and the ship's valve re-sealing gear is apparently defective. - These are factors which must also have contributed to the engineering problems.
5. It was agreed at the ship's Assisted Maintenance Period Arrival Conference that sufficient outside assistance could be provided to meet most of the ship's maintenance needs and no programme changes were envisaged. This situation has since changed, with the discovery by the Fleet Staff of the distorted tubes in No. 1B boiler (COMAUSFLT DAU/DXS 220823Z DEC 77). The dockyard's estimate of time to repair is under review with the aim of ensuring that the ship is available for RIMPAC 78. Further advice will be signalled separately.

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6. The unusually poor performance of the air conditioning plant, as reported at paragraph 39 of the enclosure, is also under review. Although RAN DDG air conditioning capacity is marginal it is larger than in their USN counterparts (unmodified) and should provide better conditions than indicated by HMAS PERTH. The deck paint trial, also discussed in paragraph 39, was approved by COMAUSFLT AFLOAT on habitability grounds. The ship's report on this trial is now being studied in Fleet Headquarters.

7. The TARTAR maintenance situation reported at paragraph 40 of the enclosure has improved with complement additions providing 11 of the 13 specified billets. A 12th maintainer is understood to be due in, in March 1978. The point is well made, nevertheless, that TARTAR, like NCDS, is particularly vulnerable to posting shortages.

J D Stevens

(J. D. STEVENS)
Commodore, RAN,
for Commander Australian Fleet

Enclosure: HMAS PERTH Report of Proceedings for November 1977
dated 1st December, 1977

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1.4.6.5.

HMAS PERTH
at Sea.

1st December, 1977.

The Flag Officer Commanding
HM AUSTRALIAN FLEET.

For Information:

The Australian Naval Attache
WASHINGTON.

The Commander
1st Australian Destroyer Squadron

The Commanding Officer
HMAS BRISBANE

The Commanding Officer
HMAS HOBART.

HMAS PERTH - REPORT OF PROCEEDINGS - NOVEMBER 1977

Sir,

I have the honour to report the proceedings of HMAS PERTH, under my command, for the month of November 1977. Time zones are shown with each reported time.

2. At the beginning of November PERTH was in the Java Sea bound for Singapore as part of Task Group 327.4 under your command, Sir.

3. At 1200 GH Thursday 3rd November the Task Group joined Royal Malaysian Ships KD RAHMAT, PERDANA, SERANG and TODAK in the Singapore exercise areas.

4. On joining, the combined Australian and Malaysian group took part in an air defence exercise involving aircraft of the Royal Australian and Republic of Singapore Air Forces.

5. After a replenishment serial the ships separated for a night encounter exercise which completed at 2359GH that day, Thursday 3rd November.

6. PERTH berthed at Number 6 Sembawang Dockyard, SINGAPORE, at 1030GH Friday 4th November to commence an assisted maintenance period. HMAS ONSLOW berthed on PERTH shortly afterwards.

7. That evening I attended your Official Reception, Sir, onboard HMAS SUPPLY.

8. On Monday 7th November I joined you, Sir, and the other Commanding Officers of TG 327.4 at lunch with the Australian Defence Adviser, Captain I.H. NICHOLSON RAN.

9. On Tuesday 8th November assisted by my Heads of Departments and Navigating Officer, I had the pleasure of entertaining members of the Ladies Professional Golf Association to buffet lunch onboard.

14 DEC 1977
/..My Higher

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My Higher Ranks Training Classes, mustered on the wharf for Parade and Physical Training received encouragement to strive for rapid promotion when on arrival alongside I was soundly kissed by the most attractive lady.

10. At 0700 GH Sunday 13th November five of my officers attended a Remembrance Sunday service at Kranji War Cemetery, conducted by the Singapore ex-Services Association.

11. I attended a reception held at KD MALAYA during the evening Monday, 14th November and subsequently dined in company with you Sir, at the residence of Commodore K. NETTUR, RMN.

2. The ship was open to public inspection on two occasions in Singapore, Sunday 6th and Sunday 13th November. There were 228 and 52 visitors respectively. On the first occasion most of the visitors were families living in the Sembawang Base and on the second occasion they were Asians whom the Ship's Company had met during the stay. The effort involved preparing the ship did not seem to be justified by the result.

13. PERTH sailed from SINGAPORE at 0930 GH Tuesday 15th November and joined HMAS STUART, KD RAHMAT, HANG TUAH, PERDANA, SERANG, PAUS and BAUNG for exercises off SINGAPORE. Unfortunately torrential rain, which reduced visibility to less than three cables, caused the cancellation of some serials.

14. A night encounter exercise was held during the evening of Tuesday 15th November.

15. PERTH, STUART, RAHMAT and HANG TUAH conducted a Naval gunfire support firing at PULAU AU on Wednesday 16th November. Fortunately for PERTH the other three ships had defects which restricted them to navigation and communications drills, allowing PERTH to conduct five firing runs. The spotters were from the New Zealand Infantry Regiment.

16. This Naval gunfire support exercise is fully reported in my letter 30/1/1 dated 23rd November 1977.

17. After several hours tracking of RAAF Mirage aircraft and embarking the spotting team, PERTH set course for PINANG at 1630 GH.

18. At 1000 GH Friday 18th PERTH came to anchor in the Man O'War anchorage off Fort Cornwallis, PINANG.

19. The Resident Naval Officer, Major Charles Thong Yin Sin, Royal Malaysian Navy boarded on arrival. His organisation and personal interest in PERTH's visit did much towards making the stay enjoyable.

20. At 1100 GH Friday 18th November I called on the Director General of PENANG Port Commission, Tuan Haji Azuddin Bin Haji Zainal Abidin. Afterwards I called on the Chief Police Officer, Mr Abdul Hamid Bin Mohamed.

21. At 1830 GH that evening, 18th November an official reception was held onboard. Just as the guests were about to leave the wharf, PENANG Harbour was hit by a torrential downpour

/..which reduced

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which reduced visibility to less than one cable and flooded the Larra Magazine deck where the food and drinks were laid out and soaked the hosts to the skin.

22. The rain lasted for an hour and then the first bedraggled guests arrived by boat; only a quarter of the original number of guests attended the Cocktail Party which was held in the Wardroom and on the Bridge.

23. I hosted a luncheon onboard on Saturday 19th November for prominent local citizens.

24. On Monday 21st November the Resident Naval Officer took me and two of my officers on a most interesting tour of PENANG followed by lunch with his family. That evening I entertained personnel from RAAF BUTTERWORTH to dinner.

25. At 1130 GH Tuesday 22nd November PERTH weighed and proceeded to rendezvous with the remainder of Task Group 327.4.

26. PERTH met with the Task Group under your command, Sir, off One Fathom Bank in the Malacca Strait at 0700 GH Wednesday 23rd November.

27. During that forenoon the ship fuelled from HMAS SUPPLY and simultaneously conducted vertical replenishment of stores using the Wessex helicopter from HMAS STALWART.

28. During the passage west towards Exercise COMPASS '77 the Task Group came under exercise attack from HMAS ONSLOW, also enroute to COMPASS '77, and three hours of anti-submarine exercising ensued.

29. The first interaction of COMPASS 77 was to have been between RAN and RN task groups some sixty miles south of SRI LANKA. The Royal Navy group was ahead of its intended position at the interaction time, the forenoon Sunday 27th November, and as a result no interaction took place.

30. At that time the Task Group was overflown by aircraft from USS MIDWAY (Captain D.L. FELT USN) and so began the second planned interaction against a combined USN/RN Task Force, under the command of The Commander Third Carrier Group, Rear Admiral P.A. PECK USN.

31. During Sunday 27th November PERTH simulated a Soviet Kynda class cruiser and conducted exercise long range missile attacks against the USN/RN task force and in particular USS MIDWAY. The advantage of long range missiles was again driven home to the participants.

32. PERTH fuelled from HMAS SUPPLY at 1200E Monday 28th November and shortly afterwards you Task Group, Sir, integrated with the USN/RN task group for a passage exercise, the main phase of COMPASS '77, until 2nd December.

/... 33. You,

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33. You, Sir, accompanied by your Fleet Operations and communications officers were onboard PERTH from Saturday 26th November until the fuelling from HMAS SUPPLY, Monday 28th November.

34. Between Monday 28th and Wednesday 30th PERTH operated in company with various Royal Navy and United States Navy units. Exercises included manoeuvres, anti-submarine warfare, aircraft control and gunnery firings, the details are shown in Annex B.

35. COMPASS '77 completes on Friday 2nd December when your Task Group, Sir, proceed to FREMANTLE.

MARINE ENGINEERING

36. This was a busy and also frustrating month for the Marine Engineering Department. The overall state of the main propulsion and auxiliary machinery systems is now such that a significant amount of outside assistance will be needed during the AMP 19DEC-06FEB, or the period will have to be extended, if an acceptable level of reliability is to be achieved for the early 1978 deployment. It is clear that Ship's Staff alone will be hard pressed to complete their section of the known work list and and take leave due as well.

37. The SMP in SINGAPORE 04-15NOV was interrupted for 5 days because shore steam was not available, as a result little work was done in 1 Fireroom. It is appropriate to note that every SMP or AMP scheduled during 1977 has been effectively shortened for a variety of reasons. The result however has always been that repair work on all known defects was not possible at the time, and planned maintenance is becoming a myth.

38. The major repair item in SINGAPORE (URDEF 105/79 - replacement of R30 water wall tube in 2B boiler and the associated brickwork) was an interesting evolution which demonstrated a most satisfying response capability of the RAN Logistics organisation. The boiler has since been steamed at high powers satisfactorily.

39. As might be expected, the air conditioning load has been at a maximum, and is barely adequate for modern habitability standards. Mess deck temperatures aft have often been above 37°C. A trial is being conducted to see if grey deck paint instead of black on the weather decks (and silverine on O3 decks) will reduce the temperature of the spaces below.

WEAPONS ELECTRICAL

40. Considerable difficulty has been experienced in manning and maintaining the ship's Tartar Missile System operational due to an insufficient number of trained sailors. Since leaving SYDNEY on 12th October, 1977 five Weapons Electrical Engineering Department sailors have been returned to SYDNEY for compassionate and disciplinary reasons. Of these five sailors three were employed on Tartar System maintenance. Loss of these three sailors coupled with the fact that HMAS PERTH sailed from SYDNEY with two Chief Petty Officers and one Leading Seaman short has reduced the Tartar System manning

/..to eight

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to eight of thirteen allowed by the Scheme of Complement. Reduced manning in this section has resulted in long periods when the ship's main armament has been unserviceable and has required the remaining personnel to work excessively long hours. Further, reduced manning has prevented the Tartar System from being manned at Defence Stations for extended periods. This unsatisfactory state was reported in HMAS PERTH message DKN/NEH/KEA 240206Z NOV77.

41. The health, morale and conduct of the ship's company is satisfactory.

42. The Welfare Committee has met during November.

43. The Ship's Company has been lectured on security and the danger associated with alcohol and drugs.

I have the honour to be,

Sir,

Your obedient servant,



(E.E. JOHNSTON)
Captain RAN
Commanding Officer.

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Annex A to HMAS PERTH
letter 1.16.6. dated

ET DEC 1977

STEAMING FIGURES

- | | |
|---|------------------------|
| 1. Distance steamed during November | 5,438.5 |
| 2. Hours underway during November | 386 $\frac{04}{60}$ |
| 3. Total distance steamed since first commissioning | 400,931.6 |
| 4. Total hours underway since first commissioning | 28,837 $\frac{06}{60}$ |
| 5. Occasions of exceeding fast routeing speed | |

<u>Date</u>	<u>Speed</u>	<u>Hours</u>	<u>Remarks</u>
26NOV	20	2	COMPASS 77
27NOV	23	9	COMPASS 77
28NOV	24	1	COMPASS 77
28NOV	28	3	COMPASS 77
28NOV	26	1	COMPASS 77
28NOV	20	5	COMPASS 77
29NOV	26	1	COMPASS 77
29NOV	19.5	6	COMPASS 77
30NOV	21.1	6	COMPASS 77

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Annex B to HMAS PERTH
letter 1.16.6. dated

EXERCISE DETAILS

7 DEC 1977

SEAMANSHIP

<u>Date</u>	<u>Exercise Number</u>	<u>Short Title</u>
1st	10 25	OOW rel vel quiz (intership) OOW manoeuvres Screenplay
2nd	10 14 25	OOW rel vel quiz (intership) OOW manoeuvres RAS (L) (D) Screenplay
3rd	14 10	OOW rel vel quiz (intership) RAS (L) (D) OOW manoeuvres Heaving Line transfer
4th	24	Shiphandling - N.O. BERTH
15th	24	Shiphandling - N.O. UNBERTH
22nd	9, 9	Shiphandling - OOW (2xM.O.B.)
23rd	14 10 13	RAS (L) (D) OOW manoeuvres Jackstay Stores Vertrep
24th	10 25	OOW Manoeuvres Screenplay
25th	14 17	RAS (L) (D) RAS (L) (N)
26th	14 13	RAS (L) (D) Jackstay
28th	13 14	Jackstay RAS (L) (D)
29th	25	Screenplay

ASW

<u>Date</u>	<u>Exercise Number</u>	<u>Short Title</u>
1st		Ikara MAR Drills (1 hr) Demolition refresher lecture UNT Comms Exercise
2nd	64 53	CASEX C25 EXDAK checks
8th		Visit to ONSLOW - TAS Dept.
15th		MSS refresher lecture
16th	52	Ikara Sat 3 Ikara MAR drills (1 hr) PME tapes (1 hr)
23rd		Ikara MAR drills (1 hr) PME tapes (1 hr)
24th		Torpedo Tube Drills (1 hr) /..25th 52

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25th	52	Ikara Sat 3	
		Prowlex v's ONSLOW	(3 hr)
30th	50	CASEX C3	(5 hr)

AIO

<u>Date</u>	<u>Exercise Number</u>	<u>Short Title</u>
1st		RP equipment training
2nd		Rel vel quiz
3rd	39	Rel vel quiz STRIKEX/ADEX NEX
15th		STRIKEX, NEX
22nd	36, 37	GOPEX, ARRX RP COMPASS 77 briefing
23rd	37	ARRX
24th	36, 37	GOPEX, ARRX
27th/28th		War at Sea, exercise
30th	39 35	CACREX 521, AAWDX Intex

GUNNERY

<u>Date</u>	<u>Exercise Number</u>	<u>Short Title</u>
3rd		NEX
14th	161	NG1
15th	142, ,	NEX, AAROFX
16th	161, 163, 146	NG1, NG3, MTX
23rd		Misfire drills
23rd/24th		SAGOPS
24th		Misfire drills
25th	154 142	SAGOPS/SUTFX AAROFX
26th	142 158	Ballon Windfird Starshell firing
29th	151	SUTFX

NBCD

<u>Date</u>	<u>Exercise Number</u>	<u>Short Title</u>
1st	74 78	DC Comms Minor DCX
24th	74	DC Comms
26th	80	Close down 1Z
27th	80	Close Down 1Z

/3. Communications

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COMMUNICATIONS

<u>Date</u>	<u>Exercise Number</u>	<u>Short Title</u>
2nd	91 ,	EWX 5 ,
17th	112, 113	NCX 201, 202 ,
23rd	91 118	EWX 5, NCX 405, 657 NCX 401 (2)
25th	118,	NCX 401,
28th	112, 113	NCX 201, 202
29th	121,	NCX 451
30th	106, 107	EWX 22, 23

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Annex C to HMAS PERTH
letter 1.16.1 dated

11 DEC 1977

SPORTS DETAILS

<u>Date</u>	<u>Sport</u>	<u>Teams Played</u>	<u>No of Reps</u>	<u>Result</u>
5th	Basketball	PERTH v VAMPIRE	10	Lost 18-17
	Softball	PERTH v VAMPIRE	10	Won 14-13
7th	Waterpolo	PERTH v STUART	13	Won on forfeit
	Hockey	PERTH v STALWART	16	Won 1-0
	Squash	PERTH v STALWART	4	Lost 4-0
	Golf	PERTH v STALWART	6	Draw
8th	Volleyball	PERTH v H.Q.S.W.	7	Lost 3-0
	Rugby	PERTH v STALWART	18	Won 13-3
9th	Cricket	WARDROOM v CHIEFS & POs	26	CPO def W/R
	Softball	PERTH v STALWART	14	Won on forfeit
	Basketball	PERTH v SUPPLY	9	Lost 25-10
	Golf	PERTH v VAMPIRE	2	Lost 72-42
10th	Cricket	PERTH v STALWART	0	Lost on forfeit
9th	Rugby	FLEET v SINGAPORE	4	Won 13-3
10th	Waterpolo	PERTH v STALWART	9	Won 5-3
12th	Golf	FLEET v TEENGAAH MEN	9	Lost 183-68
	Hockey	FLEET v KD MALAYA	1	Lost 6-4
	Basketball	FLEET v H.Q. & S.W.	1	Won 43-39
	Rugby	FLEET v SEMBEWANG KIWIS	2	Lost 28-6
14th	Soccer	FLEET v N.Z. FORCE	1	Drew 4-4
	Squash	PERTH v SWAN	5	Lost 4-1
19th	Basketball	PERTH v CHUN LING HIGH SCHOOL	9	Lost 48-10
20th	Waterpolo	PERTH v PENANG SWIMMING CLUB	10	Lost 11-5
	Cricket	PERTH v RAAF BUTTERWORTH	13	Lost 78-45
21st	Badminton	PERTH v PENANG MUNICIPAL COUNCIL	7	Lost 5-0
	Volleyball	PERTH v R.M.N.V.R.	8	Won 3-1
	Softball	PERTH v PENANG FOXES	11	Lost 26-1

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HMAS PERTH
at Sydney

1.16.6

3rd January 1978.

Flag Officer Commanding
HM AUSTRALIAN FLEET

For Information:

The Australian Naval Attache
WASHINGTON

The Commander
First Australian Destroyer Squadron

The Commanding Officer
HMAS BRISBANE

The Commanding Officer
HMAS HOBART

HMAS PERTH - REPORT OF PROCEEDINGS - DECEMBER 1977

Sir,

1. I have the honour to report the proceedings of HMAS PERTH, under my command, for the month of December 1977.
2. HMAS PERTH was involved in Exercise COMPASS 77 at the beginning of December. This was a passage exercise in which ships from the U.S.N., R.A.N. and Royal Navy took part.
3. It had been hoped that PERTH would fire an ITR missile at an AQM - 37A target on Thursday 1st December, but the USS PARSONS (Commander W.J. DZIEDZIC USN) fired first and achieved a direct hit.
4. Exercise COMPASS 77 completed on Friday 2nd December with a wash-up aboard USS MIDWAY (Captain D.L. FELT USN).
5. On completion of the wash-up a Task Group under your command, Sir, formed up for passage to Fremantle.
6. This Task Group consisted of Her Majesty's Ships RHYL, ZULU and MOHAWK, the Royal Fleet Auxiliary TARBATNESS and HMAS VAMPIRE, PERTH, SUPPLY, STALWART, STUART and SWAN. On Monday 5th December HMS TIGER and RFA's TIDEPOOL and REGENT joined.
7. Exercises conducted during this period are shown at Annex B.
8. On Monday 5th December my Executive Officer, Commander R.A.K. WALLS RAN, carried out the duties of Commanding Officer for twenty four hours.
9. PERTH berthed at Victoria Quay, Fremantle at 1045H Thursday 8th December; shortly afterwards HMAS SWAN berthed outboard.
10. I attended the Fleet Reception onboard HMAS STALWART at 1830H Thursday 8th December and afterwards I held a Dinner Party onboard HMAS PERTH.

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11. During Friday 9th December 3 groups of Junior Recruits from HMAS LEEUWIN and a group of Sea Cadets from T.S. PERTH visited PERTH.

12. I attended a Royal Navy Task Group reception onboard HMS TIGER at 1830H Friday 9th December.

13. On Saturday 10th December I was a guest of the West Australian Turf Club at lunch at Ascot Racecourse. After lunch there followed an afternoon of race viewing from the Committee's lounge.

14. PERTH was open to Public inspection on Sunday 11th December, 3,240 members of the public came onboard.

15. On Monday 12th December PERTH cast off and proceeded in company with HMS TIGER, HMAS SWAN, RFA TIDEPOOL and RFA REGENT. During the day HMS MOHAWK, HMS ZULU and RFA TARBATNESS joined the group.

16. This Task Group, TG 327.8, then set course for the Eastern Australian States, exercising enroute. Captain S.A.C. CASSELS, Royal Navy, the Commanding Officer HMS TIGER was CTG 327.8.

17. At 0830L Saturday 17th I was transferred by Sea King helicopter to HMS TIGER where all the Task Group Commanding Officers met to discuss the exercises which had been conducted on passage.

18. The R.A.N. units of the Task Group detached at 1715L Sunday 18th December and set course for Port Jackson.

19. PERTH secured to a buoy off Garden Island Dockyard at 0500L Monday 19th December for Customs clearance, moving alongside STALWART at 1630L.

20. The arrangements that had been made for the Task Groups' arrival were upset by industrial action by the Maritime Services Guild. This caused inconvenience to the ship's companies of all the returning ships in particular to those planning to travel interstate that day, Monday 19th December.

21. PERTH entered an AMP and long leave period on Tuesday 20th December with an AMP arrival conference at Fleet Headquarters. She remained alongside HMAS STALWART until the end of the month.

MARINE ENGINEERING

22. Commencement of a much needed AMP on 19th December marked the end of an active steaming period which was not uneventful. The major problem was the discovery on shutting down of distortion in the side water wall tubes of 1B boiler. URDEF 122/79 and subsequent messages refer. In addition the 16 monthly Fleet Boiler Inspector's examination of main boilers has required 4 external cleans and one internal clean with an additional internal clean to be completed in March 1978. This work on top of a large Ship's Staff AMP work list, coupled with the normal seasonal leave requirements will test the ME Department's capability to the utmost.

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WEAPONS ELECTRICAL ENGINEERING

23. On completion of Exercise COMPASS 77, ME Departmental training activity increased and good results were achieved before machinery was shut down.

24. The acquisition performance of the missile fire control systems continues to be investigated. Trials were held on passage from Fremantle to Sydney to determine the ability of the MFCS to acquire, given an accurate designation; minor modifications to the Tartar software were also tested with the aim of improving acquisition times. Analysis of the trial results are awaited, but they appeared to indicate a marginal increase in the speed of acquisition, plus a more significant increase in the reliability of acquisitions.

25. ^{Noted} ^{DNC 9/12} The availability of Link II is still not good, as shown again during COMPASS 77. Faults occur in the AN/USC 30 which cannot be rectified quickly and the lack of replacement units onboard results in excessive down time. This matter was raised before COMPASS 77 in PERTH message DXG/DLW 030242Z OCT77; the same situation now applies for RIMPAC 78.

26. Manning in the Tartar and NCDS sections has been inadequate, resulting in the ship's main armament being unserviceable for considerable intervals and the inability to man Defence Watches for extended periods. This matter will be taken up in further correspondence.

27. Commander G.R. STILES relieved Commander C.J. NISBET AM as Weapon Electrical Engineering Officer on the 22nd December, 1977.

HEALTH, CONDUCT AND MORALE

28. The health, conduct and morale of the Ship's Company has remained satisfactory; the latter being stimulated by the return to Sydney after the two month deployment.

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



(E.E. JOHNSTON)
Captain RAN
Commanding Officer

Annexes: A. Steaming D tails
B. Exercise Details
C. Sport Details

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Annex A to HMAS PERTH letter
1.16.6 dated 3rd January 1978

STEAMING FIGURES

1. Distance steamed during December 4,939.0
2. Hours underway during December 337 $\frac{02}{50}$
3. Total distance steamed since first commissioning 405,870.6
4. Total hours underway since first commissioning 29,174 $\frac{08}{60}$

5. Occasions of exceeding fast routeing speed

<u>Date</u>	<u>Speed</u>	<u>Hours</u>	<u>Remarks</u>
01DEC	23	3	COMPASS 77
05DEC	21	8	SINDEX 77

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Annex B to HMAS PERTH
letter 1.16.6 dated
3 January 1978

EXERCISE DETAILS

SEAMANSHIP

<u>DATE</u>	<u>EXERCISE NUMBER</u>	<u>SHORT TITLE</u>
1st	17	RAS (L)(N)
	10	OOW Manoeuvres
2nd	13	Jackstay (ammo)
3rd	10	OOW Manoeuvres
4th	10	OOW Manoeuvres
5th	14	RAS (L)(D)
	25	Screenplay
6th	24	Shiphandling - OOW
	14	RAS (L)(D)
8th	24	Shiphandling - N.O. berth
12th	24	Shiphandling - N.O. berth
	14	RAS (L)(D)
13th	14	RAS (L)(D)
14th	14	RAS (L)(D)
15th	10	OOW Manoeuvres
16th	13, 13	Jackstays (2)
18th	14	RAS (L)(D)
19th	24	Shiphandling - N.O. to buoy

ASW

5th	70	Casex C2(S) PME tapes (3 hours)
7th		Stream fanfare UWT Comms
	52	Ikara Sat 3
	53	Exdak Checks
13th	53	Exdak Checks Casex Procedure Lecture
14th	53	Exdak checks
15th	70	Casex C2(S)
16th	53	Exdak Checks

NBCD

6th	74	NBCD Comms exercise
	78	Minor DCX (shoring)
7th	78	Minor DCX (shoring)
13th	78	Minor DCX (shoring)
14th	78	Machinery breakdown drills
15th	80	State 1 Z
	N.N	Emergency Stations
16th	78	Minor DCX (shoring)
	80	State 1 Z
	N.N	Emergency Stations
	78	Minor DCX (shoring)

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<u>DATE</u>	<u>EXERCISE NUMBER</u>	<u>SHORT TITLE</u>
<u>GUNNERY</u>		
1st	137	Tactical AAWEX
3rd		R.I.X. Balloon tracking
5th	163	NG3 SAGOPS
6th	158 142	PAC firing, SAGOPS AAROFX
7th	158 158	PAC firing Starshell firing Balloon tracking
8th	136	AATF (sleave)
12th	136 163	AAFX (sleave) RIX, NG3
14th		Balloon tracking
15th	142 146	AAROFX Missile Tracking MM1
17th		Small arms firing MM1
18th	146	MM1
<u>A.I.O.</u>		
1st	35	Cacrex 514/INTEX
2nd	35	Cacrex 514/INTEX
3rd	32	SPX/STX
4th	36	Watch training/GOPEX
5th	36	Cacrex 701/GOPEX
6th	37	Cacrex 702/ARRX
7th	37	Cacrex 702/ARRX
12th	36	Cacrec 701/GOPEX
14th	42	IFF check B Competitive Rel Vel.
15th		Competitive Rel Vel.
16th	36 37	Cacrex 701/GOPEX Cacrex 702/ARRX Competitive Rel Vel.
17th	42	IFF check B Competitive Rel Vel.
18th		Competitive Rel Vel.

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Annex C to HMAS PERTH letter
1.16.6 dated 3 January 1978

SPORTS DETAILS

<u>DATE</u>	<u>VENUE</u>	<u>REMARKS</u>
4th	Sports Carnival	Miss Perth Quest
9th	Mini Olympics	LEEWIN Vs Ships
10th	Golf	Royal PERTH

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