

DEC 92 MR A W ALLEN

WATERLOOVILLE



THE SEAMASTER

THE OFFICIAL JOURNAL OF THE
ANTI-SUBMARINE WARFARE INSTRUCTORS ASSOCIATION



SEAMASTER

THE OFFICIAL JOURNAL
OF THE ASWI ASSOCIATION

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DECEMBER 92

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CHAIRMAN'S NOTE

Dear Members

It is with deep regret and sadness that I have to report the death of our friend, colleague and association member- Pat Herbert who died in September. I was privileged along with other association members, to attend the Service of Remembrance in Waterloo on September 25th 1992 for a strong and brave man. Pat was sadly a victim of Motor Neurone Disease but battled against the crippling disease right to the end.

To Maureen and family we send our love and our very best wishes.

The festive season is fast approaching and Christmas will be with us soon. I am pleased to announce as this year draws to a close that the association is now on a more sound financial footing. Some hard work has gone into achieving this aim and also raising money for our two adopted charities. The committee understand that charity fund raising is difficult and pennies are being squeezed from every possible quarter for many causes; but we would have appreciated more response and involvement from the "sharp end". We are always open to ideas in all areas and try to work on your behalf, therefore your support is needed.

The AGM went well in October, It was good in substance, although unfortunately lacking in numbers. My thanks to those "guest speakers" who gave their presentations.

The Dinner Dance was also a success with our guest of honour Captain P Melson RN. It was a pleasure to meet and greet members and their friends.

The presentation of cheques and gifts went ahead on Thursday 3 December at our annual Christmas drinks and draw. The sum of £600 was presented to Cyril Dewire, local area chairman of MNDA, and gifts of TV's Video games and beds to

the value of £660 was presented to Sister Katrina Adams of QA Hospital

May I take this opportunity to wish all association members and their families a very happy Christmas, also a peaceful and prosperous New Year.

Dave Hood



EDITORS DIT



Once again its time to put fingers to the keyboard and gather my thoughts for another journal.

This term has been particularly busy with more CPO's/PO's cross training to the passive/active discipline, which is nice to see. However as a result I waved the white flag and I asked Dickie to help me put together this issue.

It has been a busy term for the Association with the AGM, Dinner Dance, and charity presentations, and I know it has not been easy for "you", so a plea, please drop me a line so I can pass on your thoughts and achievements.

Before I let Dickie fill in the page with figures, have a happy Christmas and an enjoyable 1993.

yours aye

Dusty

PS: If anyone wants any typing done in the near future, please don't ask Dickie as he informs me that his fingers are sore.



TREASURERS DIT

Firstly may I take this opportunity in welcoming the new members who have joined during 1992: **PO Micky Doyle, CPO Ian Laurie, CPO "Sterling" Moss, CPO Bob Worsey, PO Colin Rowntree, Buck Taylor (rejoin), and Dave Sarsons.**

.....I am also very pleased to announce that the Financial state of the Association is alot healthier than at this time last year, at the time of writing the balance is £541.80.

One of the reasons for this improvement is the donations received from members throughout the year, WELL DONE and THANKYOU.

PAID UP EX SERVING MEMBERS——41

PAID UP SERVING MEMBERS——48

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1993 SUBSCRIPTIONS ARE NOW DUE,
Please make your cheques payable to

< HMS DRYAD CENTRAL FUND >

Dickie Drew



SOCIAL SCENE



WANTED

One Keen, Enthusiastic,
Energetic, Lively,
Association Member
To act as SOCIAL Secretary

.....
There now follows a social programme for 1993:::

Firstly, the Monthly meetings will continue to be held on the last Tuesday of each month, (social gathering on completion) except for August 31 (some of us will still be on leave), and 28 December (leave), and of course 26 October (as the AGM will be held on Friday 29 October.

Thursday 4 FebruaryCheese and Wine
in the club , tickets £2 from the committee.

Thursday 11 MarchQuiz Night
in the club , admission is FREE but you need
to get a ticket from a committee member.

Friday 29 October.....Annual Dinner Dance
Venue yet to be decided (get it in your diary now)

We need as much support as possible for all the socials, if your in the vicinity of Dryad, and you want a cheap night out with your old mates, why not pop along to the club.

THhe Social programme for the summer term will be announced in the next SEAMASTER.

Dickie Drew
(Local Acting Social Sec)

SONAR 2050 UPDATE

Having recently returned from a most enjoyable jolly (sorry seariding period), at AUTECH, I thought that a short dit on my experiences ... well perhaps not all of them, could be passed on through OUR magazine. The one area that I would like to concentrate on is Sonar 2050. Before I start can I take this opportunity of thanking Taff Lewis, Smudge Smith, Scouse Garcia and George Emmerton (Coventry), Ned Needham and Steve Welsh (EXETER) and Mick O'Shea and Nobby Clarke (ARK ROYAL), for their hospitality during the visits I made to their ships. All made me feel welcome and for that I am most grateful. WO Jess Owen was particularly helpful as the assistant AUTECH Control Officer (What a big professional title for someone who could'nt work out how to put petrol into his American hire car). We had a good run ashore and I look forward to the next.

Sonar 2050 was trialled during Operation PUNISH 92 which formed part of Operation SAND GROUSE. During this period I was able to monitor and operate Sonar 2050 using the new DRA Software due for SURFLOT issue in March 1993. The improvements to this equipment proved to be a major advance on the interim FMS software that all 2050 users are familiar with. This period was also used to continue the gathering of data for the Auto Classifier and to conduct Mutual Interference trials which proved successful.

As some of you are aware, there continue to be problems with some aspects of the new software. Never - the- less, it is now time to acknowledge the achievements, providing constructive criticism where necessary. Be assured however, that greater pressure is now being applied and finance has been made available to rectify major problem areas before the next software issue.

Although the AUTECH range affords low ambient noise and deep relatively still water, enviromental conditions were poor with shallow layers, afternoon effect and a highly reflective sea bed. The layer depth increased gradually as the trial progressed to give a number of good in layer detections.

The Mutual Interference trial was an independent and controlled Fleet Trial which was assessed as successful. Modifications were incorporated into the 2050 system to improve display presentation. This proved to be particularly successful.

There are many new features within the approved software package which give better presentation of sonar information, further aids to classification, improved synthetics/contact labelling and inhibit zones to name but a few.

Due to an early build of the Auto Classifier being trialled at AUTECH, an accurate assessment cannot be made of its performance at this stage. However, its future prospects are promising.

The sighting of this equipment in the T42 does not provide the environment required for the sonar team, particularly in warmer climates. To improve conditions, a structural change to the compartment has been recommended rather than the more costly option of re-sighting the sonar elsewhere.

It is clear that recent "bad press" about sonar 2050 has been due to a lack of equipment understanding, although it is appreciated that a number of hardware and software limitations have effected the overall performance. The fit plan for 2050 is widespread with 14 ships fitted and 23 expected by 1998. It is therefore important that we all have a good understanding of 2050 capabilities and limitations. I am currently liaising with SMOPS (Ian Camburn) to arrange early allocation of the new software to ASUAT 3A (2050 Trainer at DRYAD). Although not formalised yet, it is then hoped to invite a representative from the Squadron Leaders of 2050 fitted Squadrons to attend an informal discussion and training period about the new software. The aim would then be for these representatives to visit their squadrons as opportunity permits, to assist ships teams in their understanding of this important advance.

Senior Rates of ships fitted with 2050 are advised that a 2050 update is produced by Lt Cdr Ayres who is SOO to Captain 2nd Frigate Squadron. The latest update, issued under confidential cover, was forwarded to ships in September 1992, the next issue is due out in January/February. I have found that a number of Senior Rates have not been made aware of this very informative document. Please make enquiries if this information is relevant to you. I would also recommend that a general ASW update, again under confidential cover, is forwarded to all ships in the SURFLOT from FOSF. This provides short updates on all aspects from ASW training to the state of equipment. The latest issue is about to be forwarded.

It is also intended to improve and update our drill books to provide advance notice of the new software to allow the operator a chance to read about the advances before employing them.

Due to the problems of classification, it is difficult to provide detail within this magazine. It is hoped that this article has provided at least a dim light at the end of your tunnel and an appetite for more information.

STEVE RODGERS



TAS JOTTINGS

Another Cinc NavHome inspection has passed and another Drill meeting. Since last writing there has been no relaxation in the work load for the weapons section. Incidentally there have been one or two or even more changes recently. The most confusing are Title changes for the staff. Remember DAS1, that was me. In the space of a few months I became ASW1, then UWW Weapons, then UC1.5, the mind boggles. At the end of the day we have been joined up with PO(S) Course Instructors. Our new boss is John Kilroy-UC1.

UC1.6 is Ray McCready, UC1.7 is Ray Newell. The ex 1.1, 1.2, 1.3 jobs. Brian Golding also has a new title UE 1.2, he continues to work for Steve Will, looking after all things 2050 in ASUAT 3A.

STWS 2. At the annual Surface Ship Tube Launched Systems Drill Meeting held in September, it was agreed to modify the Urgent Attack against the unalerted Sonar detection procedure. The prime objective being to improve the reaction time from sonar detection to weapon in the water. This has been achieved by removing the need to route sonar data via the appropriate Command System prior to alerting the Command and putting it into STWS (And MTLs eventually). Basically if the SCR report a good contact you order "ACTION COBRA" this makes a Sonar Source available at the STWS ASWD panel, which you select. Next inform the Command about the contact, after their response of "Action STWS" you continue the drill as before without the need to associate and "TI".

This is a point many of you have raised since the introduction of the drill and will be with you shortly. Please read and inwardly digest, then practise it at the first opportunity. Any comments, adverse or otherwise please phone or write.

Dave Williams at FOST has been trialing the drill change with the assistance of some of the visiting staff.

One last point on the drill don't forget once you have fired the first weapon you then must go on and Associate and "TI" as before.

Version 10. Taff Lewis and his team in Coventry carried out further proving trials at AUTECH in Autumn, indicating STWS software and hardware changes are OK. The earlier problems seen in CORNWALL were being caused by the Command System. Hopefully this means V10's arrival in the Fleet will not be delayed too long. (Be patient).

BR8589(2) is being rewritten in the new "Word Perfect" format, this new version will hit the streets with the V10 instructions.

MTLS, as you will know NORFOLK has recently completed the first away from UK deployment for a T23. Another T23 (not cleared to name her yet), takes the system to AUTECH next year (93) for V10 trials. It is possible both MTLs and STWS will get their update in tandem. Once again BR8342(2) is being rewritten in "Word Perfect" format. This will also hit the streets with the V10 instructions.

Similar to STWS2 a Version 10 conversion course lasting two days has been produced, BR4023(2) will contain all the details. The Course Catalogue Reference number is OS M10 PVV-booked in the usual way.

STWS3, details are now contained in BR4023(2) and (3) plus the next change to CB04023 due to be issued any day now. BR8965(2) the drill book is as I have stated earlier, ready to go. PJT is almost ready to go, a matter of dotting the i's and crossing the t's. And would you believe, the System Training equipment is here in MASCOT waiting for the first team to arrive. What is the delay you might ask, Good question., well asked~#! But the answer is more complex, one word might help.- Political.

Sting Ray, all continues to go as well as one can expect, the only "heads up" I can give is watch FOTI 0813. As soon as you hear that a change has been inserted grab it and read. The recent AUTECH trials

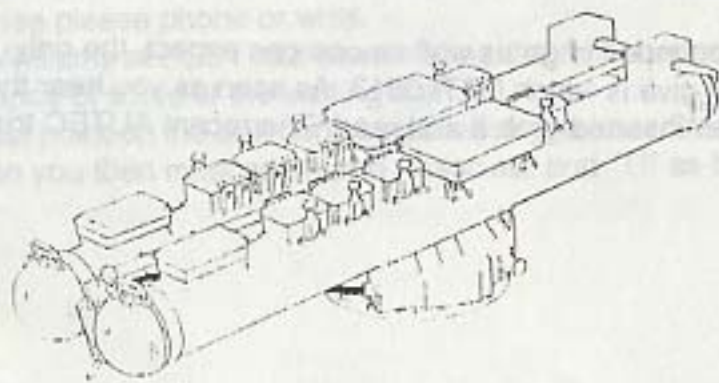
could be called a bit of a TRIUMPH, I hope the Submarine friends amongst us appreciate the pun.#

PNM (Unifoxer to the uninitiated) if you haven't seen it, dig out Conf DCI 3/1990, it might make interesting reading.
VECTAC/STWS, for some time now the need to drop two charges and sight the "smoke" produced as a standard procedure post weapon release for both VECTEC and STWS has been in question, look out for the next change to BR4023(3) when it all changes, basically if you need a smoke to give confidence then drop 2 charges. If you are happy with the target and the tracking only drop one charge- saves on smokes.#

Finally Gents, Happy Christmas to all our avid readers, have a super New Year

Yours Aye

Tony Walton



INTRODUCTION

It was at the AGM that I promised to provide an article on the FOSF organisation for our SEAMASTER magazine.

The following information will deal very briefly with the background to the setting up of FOSF, who's who within the organisation and conclude with the responsibilities of the FOSF ASW seariders.

FOSF- THE ORGANISATION

Flag Officer Surface Flotilla (FOSF) was established after a study was carried out in 1990. A recommendation, accepted by CinCFLEET, was presented by the study group such that surface ship matters should be delegated to Type Commander as is the case for FOSM and FONA. Therefore, on the 5 April 1992, FOSF was formed.

The headquarters is the Parade in Portsmouth Naval Base housing both FOSF and Commander ASW Strike Force staff (CASWSF).

Most O's Department, NBCD and Seamanship seariding Warrant Officers are based here. Being responsible to CinCFLEET, the longterm programme for ships and assignment of units to activities and deployments are undertaken here.

Signature Reduction and Control and all ME matters are covered by staff at South Terrace in the Portsmouth Dockyard. Part of the Warfare Branch Implementation Team are based at Fort Southwick and also come under the large FOSF umbrella. The Terrace in Devonport houses four seariding Warrant Officers. Fleet plans and changes to the FOP are produced by FOSF Northwood and there is a small cell at Rosyth for Signature Reduction and Vibration Analysis.

FOSF combines the old responsibilities of FOF1 and FOF3 and includes elements of CinCFLEET related to surface ship matters. FOF2 is now Commander United Kingdom Task Group (COMUKTG) based at the

Terrace in Devonport. FOST continues to conduct Operational Sea Training but is now accountable to FOSF.

The "FLEET" is now known as the "SURFLOT" and currently stands at 58 ships including ARGUS and 6 Hydrographic ships.

WHO'S WHO:

Cdr Bishop is the SURFOT UWW Officer and is responsible for upholding the SURFLOT military capability. SWO(U) is Lt Cdr Bell-Davies. SWO(U)(SEA) is Lt Cdr Ross who is also a seariding member of the CASWSF team hence the (sea) in his title. WO Paul Hitchcock, who relieved Streaky Bacon, is the Assistant Surface Flotilla Signature Reduction Officer (see the last SEAMASTER). The Assistant Surface Flotilla Programming Officer is WO Paddy Kennedy. Paddy is based in the Parade in Portsmouth. CPO Aandy Astley is part of the CASWSF staff and is also based in the Parade.

The ASW Seariders are myself and Nick Nixon who is based at Devonport. Due to the redundancy of AFASWO at Northwood, myself and Nick will represent ships staff on matters relating to ASW at the various meetings we attend as well as visiting ships at sea and in harbour. As you can see, the ASW fraternity now forms a major part of the SURFLOT management structure and is well placed when important ASW decisions are being made. If anyone has any feedback on anything that affects those of you at sea, please do not hesitate to forward information to us via your squadron Leader.

FOSF SEARIDING TASK

Our primary ASW responsibility is based on three types of checks, namely: Administration check, the Routine Harbour Visit and the Routine Sea Visit. The Admin check covers fully the administration, material and organisation of the sub-department and will take approximately 6-8 hours to complete. Our aim is to conduct this check in advance of OST to assist in the ships

preparation for the Portland work up period. The routine Harbour visit is designed to maintain contact between FOSF and ships staff and is a useful get together for the provision of feedback both to and from the ship. The Routine Sea Visit is our primary task. It covers all aspects of ASW and can range from one day to a number of weeks. The visit will take place during and ASW related period. Portland shakedown, JMC, ACT, AUTEK etc. Myself and Nick are always willing to join a ship for informal training periods on all MRS associated equipment.

Please do not hesitate to contact us if help or advice is required.

WO(OPS)(S) Nick Nixon S1, 2-3 The Terrace, Devonport Naval Base. 53737

WO(OPS)(S) Steve Rodgers S2, 4-6 The Parade, Portsmouth Naval Base, 825510

WO(OPS)(S) Paddy Kennedy, ASFPROGO, Ports 825532.

WO(OPS)(S) Paul Hitchcock, ASFSRCO, Ports 25492.

STEVE RODGERS

BILL COOP

There was an event at Dryad a few months ago when the nephew of the late Bill Coop visited to view the medals of his uncle.

These have been on display since being presented to Instructors Association by Bill's widow.

Many would ask "who was Bill Coop"? Bill was an Instructor with a difference. He did not teach Sonar as such nor Anti Submarine Weapons or even Mine Warfare. He taught Seaward Defence. This was part of a harbour defence system which was designed to prevent enemy submerged craft entering harbours during WWII.

The system consisted of large loops of cable on the sea bed. The number depended on the width of the harbour entrance and shape of the harbour approach. These were coupled to instruments ashore which showed a visual indication of a metal craft passing the loop. More than one circuit of loops could be laid thus giving an "early warning system".

The inner circuit of loops were part of the attack system which had a string of moored mines within each loop. The target would be detected crossing the outer loop and if it should reach the inner loop the mines could be detonated from a control station ashore.

Sonar detection was achieved from Quartz Transducers rotating on tripods placed at strategic positions within the approaches to the harbour entrance (HDA)

The backup system comprised of static transducers mounted on each side of the harbour entrance wall giving a sonar picture of small submersibles passing through the harbour entrance.

Patrolling within these sophisticated methods of harbour protection were Harbour Defence Launches (HDML'S) which carried miniature depth charges.

Bill worked on these systems extensively during WWII and was recalled to the service in the early 1950's when the cold war was

beginning to simmer, and the Russians were building a large submarine fleet. He was an expert on his subject and in company with CPO Brown, steered many a course through this little publicized subject.

This section was tucked away in the corner of Vernon on the ground floor of 17A building which later became the Naval Stores. Classes even had practical training and experience at preparing a loop and laying it from one of the purpose built vessels, namely, MINER III and MINER IV.

I experienced this when I qualified TASI. Bloody hard work it was too.

At the end of the 1950's the threat was reconsidered and the section was closed down and Bill went back to being a civilian. He was much liked and respected by instructors of that era and continued to support the Instructors Association by regularly visiting the old TASI's Club which was by the main gate complex.

TONY HOVENDEN

ACCORDING TO HISTORY

How the Falkland Islands became British in 1771 and the Naval Battle which took place there in 1914

BY TONY PORDAGE

The first European to sight the Falkland Islands was John Davis in 1592. Two years later they were again sighted by Sir Richard Hawkins. A Dutch seaman named Sebald De Wert visited them in 1598 and named them the Sebald Islands, but they were renamed Falkland Islands in 1693 by Captain Strong, of the British Navy, after Lord Falkland, then First Sea Lord of the Admiralty.

They were visited by Comte Louis De Bougonville in 1764 during his voyage of circumnavigation, who claimed possession of them for France, and a year later by Captain John Byron in his circumnavigation who reclaimed possession for Britain. At that period the islands were of little strategic value, and these alternating claims of possession were not taken very seriously.

After a doubtful session of them by France to Spain they finally became British in 1771 by a convention signed with Spain. It was not until the steam era of navigation that they became of strategic importance, Port Stanley being developed as a coaling station to support the British naval squadron maintained in the South Atlantic.

As we all know only too well, there has been a long standing claim to their possession by Argentina, diplomatically important in the present day because of the possibility of considerable oil deposits in the surrounding sea.

The islands were the scene of a naval action on Dec 8 1914 during WWI, between British and German detached cruiser forces, at which the earlier British defeat of Coronel was avenged.

After defeating Admiral Cradock's squadron off the Chilean coast, the German Admiral, Graf Von Spee, took his squadron, consisting of the

two armoured cruisers, SCHARNHORST and GNEISENALL, and the three light cruisers NURNBERG, LEIPZIG and DRESDEN, round Cape Horn and into the Atlantic hoping to break through to Germany. The British Admiralty, meanwhile, had dispatched the battle cruisers INVINCIBLE and INFLEXIBLE under Rear Admiral Sir Doveton Sturdee to the Falkland Islands, where they were joined by the cruiser KENT, CORNWALL, and GLASGOW. The battle cruisers reached their destination on 7 Dec and were engaged in coaling when the German squadron was sighted off the harbour. Realizing that he was confronted by superior forces, the British battle cruisers each carried 8, 12 inch guns while the German armoured cruisers mounted 8, 8.2 inch guns, each. Von Spee made off to the south-east at high speed but the British ships quickly got under way and set off in pursuit. After a long range action lasting 4 hours the GNEISENAU was sunk, followed 1 and 3/4 hours later by the SCHARNHORST.

Of the remaining ships of the German squadron, the NURNBERG and the LEIPZIG were also sunk, but the DRESDEN escaped, only to blow herself up three months later when discovered by the cruisers KENT and GLASGOW in the port of Mas a Fuera.

British casualties during the action were minimal, but the German losses amounted to almost 2000.

TONY PORDAGE

WO(OPS)(S) A Noble
CTF 320 CINCFLEET
Eastbury Park
Northwood
Middlesex

11.8.92

Dear Dickie

Its 0100 , I'm halfway through my last watch this week and having just read through the latest edition of the SEAMASTER for the umpteenth time, I thought it was about time that I made a contribution. Unfortunately because of classification I can't say much about the work we do but I thought it might be a good idea to let you all know a little bit about whos up here in Northwood and a brief description of their jobs. So here goes.

I joined Commander Task Force 320 in March this year after two years up here as Assistant Fleet ASW Officer, a post which sadly no longer exists. I am employed as a Duty Towed Array Controller, a watchkeeping job which helps if you have a sense of humour. The days are long, the nights seem even longer (only twelve hours each really), but the time off at the end is sweet. Also in the organisation we have WO's Pete Briely and Stu (I've been here for years) Brown (ex JOSIC and AFASWO plus a token RP (Bob Briney). We are supposed to be getting a 5th watchkeeper (Lt Jones) in September but the way things are going at the moment, we are a little sceptical about that. In a nutshell it is our job to provide the support and command and control aspects to a TA Ship when on patrol. This can range from providing specialist support to arranging fuel and stores. Those of you who have been on the receiving end will know what I am talking about. As we are now in the biggest outbreak of peace since the end of WW2 our world is changing quite rapidly and we are finding it difficult at the moment to justify our existence and so our task may change in the not too distant future. In the meantime to keep ourselves busy we are now starting to

As we all know only too well, there has been a long standing claim to their possession by Argentina, diplomatically important in the present day because of the possibility of clandestine oil deposits in the surrounding sea.

The islands were the scene of a naval action on Dec 8 1914 during WW1 between British and German detached cruiser forces, at which the German Admiral Graf von Spee took the squadron, consisting of the

get involved in ACT(ASW) providing support to those and a new type of exercise called a THREEX which for all intents and purpose is just like the real thing.

Also in the Headquarters we have WO Rod Blanche. He previously worked in 320 but has now moved upstairs a little nearer to the light, into an organisation called JOSIC again as a watchkeeper. Not a lot I can say about this job, but was last sighted at the OVAL cricket ground. He is one of the members of the B Hive along with Stu Brown (killick of the mess). Pete Bieley and Bob Briney. Next on the list is WO Jess Owen who as a day worker is cleared to have a window in which he can look out of and provides the weather forecasts to us. undergroundies. He is AUTCO's Assistant and as such is heavily into Fleet Trials and such. He also gets to go to AUTECH, which for the uninitiated, is situated in the Sunny Bahamas??? once in a while, which is something which I never achieved whilst AFASWO though not for the lack of trying.

CPO Jim Nelson is also here working for the Fleet Operational Analysis Staff on the Active Sonar side which I also believe means he gets involved with Sting Ray analysis. Which also means that he gets to AUTECH. I usually find him in the bar on a Friday night when he has been evicted by his wife so that she can run her Tupperware ? parties. At least I think that is what he is talking about.

Finally but not least, we have Micky Finn (yes they have managed to get him off AVENGER after eight years). He is the accomodation PO working out of one of the many Wrens blocks. Enough of that, I'm sure he behaves himself.

Well thats passed another hour, only another five to go and then it's off to my scratcher for a bit of shuteye before hitting the M25 and heading home for a weeks well deserved rest.

Regards

Alan Noble

PS: a tame Yank passed the enclosed cartoon through and thought maybe you could use it.

Broadside



An Answer to a LS(S) Joining Quiz recently

Q. What is the Frequency of Bathy Dips during normal operations.

A. 8.2kz.????#!

WHERE's MY OPPO

WARRANT OFFICERS

BACON NE	DRYAD	BLANCH RRI	CINCFLEET
BRIERLEY P	CINCFLEET	BROTHERWOOD D C	DRYAD
CHENNEL J	DRYAD	FOSTER J	DRYAD
HARTLEY C D	FOST	HITCHCOCK P	FLT ENG
HOOD D	DRYAD	LOVEDAY P D	GIBRALTAR
O'SULLIVAN G	FOST	PARK C D	CINCNAVHON
PREECE M	RALEIGH	WILL S	DRYAD
CAMBURN	DRYAD	HUTCHISON	DRYAD
KILROY	DRYAD	NIXON	FOSF
NOBLE	CINCFLEET	OWEN	CINCFLEET
RODGERS	FOSF		

CHIEF PETTY OFFICERS

ALLPORT T J	DRYAD	ANTCLIFFE R A	FOST
ASTLEY A J	FOSF SEA	BAKER P R	CARDIFF
BANNISTER H W	RALEIGH	BURTON R B	LONDON
BAREFORD P J	JAAC	BROMLEY J W G	DRYAD
BROWN T G	JAAC	EDWARDS K	DRYAD
BUTLER J P	FOSF	CALEY H A	B'HAM
CHARRINGTON	RALEIGH	CHETWOOD	CINCNAV
CLARKE M T	GIB	CLIPSTONE P	SHEFFIELD
COLLINS M C	RNU	DAVIS A M	DRYAD
DOOLER R	BLAZER	DREW R J	DRYAD
DUTSON	RALEIGH	ENGLISH T	SIRIUS
ENVY M	DRYAD	FLOWER B H	DRYAD
FORRESTER R J	NEWCASTLE	FURLONG P K	DRYAD
GEMMILL D J	GIB	GLEAVE A E	DRYAD
GORRINGE J M	DRYAD	GRAHAM	DRYAD
GRAVETT A N	NORFOLK	HOWES	FOST
HUDSON A S	DRYAD	JOINER P W	CNOCS
KAY D B	CWTA	KAY J C	YORK
LARRATT R	DRYAD	LENTALL P R F	DRYAD
LEWIS P L	DRYAD	LEWIST R	ARGONAUT
MARSHALL D	DASHER	MARSHALL L	DRYAD
McCREADY R C	DRYAD	MOORE A S	BATTLEAXE
NEEDHAM S E	EXETER	NELSON J	CINCFLEET
NEWELL R J	DRYAD	OLDREY B W	CINC RES
PEARCE P M	DRYAD	PHILLIPS W J	VICTORY
PEARCE SS	DRYAD	PROWSE B J	CHATHAM
RIGBY J W	DRYAD	POWLEY M	DRYAD

STEVENS T C	EXETER	SULLY P I	DRYAD
TUCKER P	DRYAD	TWIST P G	DEF NBC
WALTON A R	DRYAD	CRAIG	DRYAD
WESTBROOK A G	DRYAD	WILDE J M A	DRYAD
WILLIAMS D P	FOST	WORSEY R	DRYAD
YOUNG P D R	BRITANNIA	RIMMER R	JAAC
GARDINER	CAMP/TOWN	GOLDING	DRYAD
JONES CWE	JAAC	LAURIE	DRYAD
MARTIN	BRAVE	MOSS	DRYAD
NASH	IRON DUKE	PARRY	GIB
RHODES	DRYAD	ROBERTS TG	DRYAD
SIMPSON	LANCASTER	SLATER	M'BROUH
STANKEVITCH	DRYAD	WALSH	BEAVER
WHITE PJ	BOXER		

PETTY OFFICERS

GARDINER	BEAVER	CHAPMAN	DRYAD
ALLEN SM	SHEFFIELD	AMOS B J	DRYAD
ANTROBUS A S D	AVENGER	AYRES A R	SIRIUS
BAILEY A B	AMBUSCADE	BAILEY K P	AMAZON
BAKER R F	AMBUSCADE	BALL C G	DRYAD
BARRACLOUGH PA	MARLBOROUGH	BEADLE TA	DRYAD
BARRLETT-HORWOOD P	IRON DUKE	BEST A	DRYAD
BENTING P A	DRAKE	BRETT	NORFOLK
BOX D J	ANDROMEDA	BURKE JJ	R. ARTHUR
BOYES	MARLBOROUGH	BURTON GR	SIRIUS
BURLEY R E	CORNWALL	BUCKLAND RJ	DRAKE
CANFIELD CJ	DRYAD	CHOATE M	ANDROM
CLARK MJ	ARK ROYAL	CLARKE RP	INVINCIBLE
CLARKE P H	DRYAD	CODRINGTON MB	RALEIGH
COLLINS PJ	DRYAD	COSH DJ	DRYAD
COUCH SR	JUNO	COWLEY	ARGONAUT
CRISPEN A	BRAWDY	DAVIES CD	GIB
DEAKIN MP	DRYAD	DEVINE PL	GIB
DINNAGE SP	DRYAD	DODD JE	RALEIGH
DOYLE MM	DRYAD	DUNN BM	DRYAD
EDWARDS AA	DRYAD	EDWARDS DA	DRAKE
EDWARDS AD	ILLUSTRIOUS	EGAN SN	ARGYLL
ELLIOTT M G	DRAKE	EVANS TK	DRYAD
ELLIOTT RE	SOUTHAMPTON	ELLIOTT PJ	CLYDE
EMMERTON D	COVENTRY	FAIRCLIFF DW	IRON DUKE
FINN T	WARRIOR	FIRTH DJ	INVINCIBLE
FLINT	DRYAD	FORSTER	BOXER

FRANCIS DE
 FRAZIER PS
 FROST SR
 GARCIA N
 GOODFELLOW D
 GREAVES GA
 GRIFFIN PM
 HALLOWES JA
 HEAVEY WJ
 HILL PD
 HORRELL ES
 HUGHES G
 JONES DP
 KAY JL
 KEMP R
 LANCASHIRE A
 LE-MAGE T
 LINGER NP
 LOWDEN P
 LYMATH PJ
 LYNN HW
 MAHONEY PA
 MALCOLM JG
 MANNERS DC
 MATTHEWS A
 MCCARTHY DF
 MCLEAN W
 MERCER IL
 MILLS MS
 MORTTIMER
 HEALEY
 MOWAT KJ
 MURRAY AR
 NICHOLS NK
 O'SHEA MP
 PACKER RT
 PARKIN-BER. A
 PEARCE SS
 PHILLIPS MR
 PLUMB P
 QUATE WT
 RAMPTON TJ
 RICHES RN
 ROBERTSON MR
 ROWE SM
 SADLER NB

DRYAD
 BRAVE
 SIRIUS
 COVENTRY
 DRYAD
 LANCASTER
 DRYAD
 BRILLIANT
 DRYAD
 NEWCASTLE
 BEAVER
 DRYAD
 ANDROM
 RALEIGH
 CUMBERLAND
 ARGONAUT
 NOTTINGHAM
 LANCASTER
 BRILLIANT
 DRYAD
 DRYAD
 DRYAD
 R'ARTHUR
 MANCH
 GLOUC'ER
 MON'MTH
 DRYAD
 SHEFFIELD
 LONDON
 DRYAD
 RALEIGH
 RALEIGH
 CAMPBELTOWN
 DRYAD
 ARK ROYAL
 CAMPBELTOWN
 HASLAR
 DRYAD
 BRAVE
 BEAVER
 YORK
 AMAZON
 CHATHAM
 DRYAD
 BOXER
 DRAKE

FRANCIS KD
 FRENCH
 FULLER
 GODWIN AD
 GOWMAN IP
 GREENWOOD A
 HALE DF
 HANCOCK B
 HENRY PA
 HODSDONL
 HOWELL MA
 HUTCHINGS MJ
 JONES DH
 KELLY A
 KERR A
 LAWSON GJ
 LENDEN JW
 LITTLE DI
 LOYNES MJ
 HAMMOND
 MADDISON SH
 MAKAREWICZ RE
 MANEELY GJ
 MARCHANT JR
 MAULE KH
 MCINTOSH
 MCLEOD IC
 MIDDLEMAN G
 MINTER
 MOSS
 HARTIGAN
 MULDOONI
 MYATT AJ
 O'BYRNE PW
 OGGIANO SJ
 PAGE BR
 PARRY WV
 PEARSON RD
 PINCH A
 PURSLOW SP
 RADFORD JW
 RICHARDSON GA
 ROBERTS PN
 ROLFE C
 ROWNTREE C
 SCOTTMJ

KENT
 EDINBURGH
 BROADSWORD
 CUMBERLAND
 LANCASTER
 DRYAD
 NORFOLFK
 DRYAD
 DRYAD
 MARL'GH M
 RALEIGH
 ACTIVE
 RALEIGH
 JAAC
 AVENGER
 BRNC
 GIB
 CHATHA
 SCYLLA
 R'ARTUR
 LONDON
 RALEIGH
 NORFOLK
 ARGYL
 ACTIVE
 MANCHESTER
 BRAWDY
 DRYAD
 ALACTRITY
 RALEIGH
 GLASGOW
 LIVERPOOL
 GIB
 CHATHAM
 CUMB'LAD
 DRYAD
 DRYAD
 BRAZEN
 CORNWALL
 EDINBURGH
 DRYAD
 DRAKE
 BEAVER
 NOTT'M
 SCYLLA
 BROADSWORD

SEARLE LP
 SLOCOMBE D
 SMITH NJ
 SPEIRS WR
 TURNER DA
 TYLER DP
 UNDERWOOD RM
 WELSH SA
 WHITE MF
 WILLIAMS IS
 WINGAR AP
 WOODS NP
 YATES SK
 BUTLER

CAMPBELTOWN
 GLASGOW
 BATTLEAXE
 SHEFFIELD
 ARGONAUT
 IRON DUKE
 GIB
 EXETER
 DRYAD
 DRYAD
 R'ARTHUR
 CARDIFF
 ALACRITY
 DRYAD

SINGH T
 SMITH CW
 SINGLETON
 TATHAM KJ
 PRITCHET J
 UNDERDOWN NR
 WATTERS NJ
 WHALLEY GN
 WHITTY TF
 WILSON KE
 WOODS G
 WRIGHT D
 WEATHERLEY
 BUCKERFIELD

BIRMINGHAM
 COVENTRY
 NEP'NE
 NORFOLK
 INVINC
 ARGYLL
 ARROW
 SOUTHAM
 BOXER
 LIVERPOO
 NELSON
 SIRIU
 BEAVER
 DRAKE

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 R J AYLING
 D.ANDERSON
 D. BEKKER
 P.BRYNE
 RG BROWN
 P.CASS
 R.COUNSELL
 C.CLEMON
 J.DUNCAN
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 P.GLADWISH
 D. BEAN
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 BOGNOR
 NEWPORT(GWENT)
 DRAYTON
 BANCHORY
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 KENT
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 MORAY
 THURO
 LEIGH PARK
 SHEFFIELD
 GILLINGHAM
 GOSPORT
 BOURNEMOUTH
 GOSPORT
 GOSPORT
 STAMSHAW
 HAVANT
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 J.LAKE

WVLE
 H'DEAN
 PLYMOUTH
 GLASGOW
 FAREHAM
 COWLINGE
 FAREHAM
 FAREHAM
 KINTBURY
 COSHAM
 CLANFIELD
 I.O.W.
 GOSPORT
 FAREHAM
 PORTCH
 St LEO's
 FARLINTG
 NORWICH
 GOSPORT
 COSHAM
 WATERLO
 SOUTHAM
 TAUNTON
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LIVERPOOL
BEDHAMPTON
SOUTHSEA
COWPLAIN
SOUTHAMPTON
L.KINGWOOD
SOUTHSEA
WEYMOUTH
GUILFORD
DUNFERMLINE
COSHAM
FARLINGTON
STUBBINGTON
COSHAM
NOTTINGHAM
LEE ON SOLENT
GOSPORT
PAULSGROVE
DRAYTON

SANDERSTEAD
REDCAR
DENMEAD
CATHERINGTON
TORPOINT
CHEDDES DON
SUTHERLAND
LEE ON SOLENT
SOUTHPORT
MANCHESTER
GIROBY
SITTINGBOURNE
PAULSGROVE
WATERLOOVILLE
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GOSPORT
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LEE ON SOLENT
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PORTS
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A.WAKEFORD

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DENMEAD
FRATTON
GOSPORT
DOVER
SWANAGE
PORCHEST
ALVERSTO
COSHAM
WATERLO
POOLE
WATERLO
PURBROOJ
SEMINGTO
WOKINGH
BELPER
CWMLLYN
GOSPORT
DRAYTON



CONGRATULATIONS to :

PO (S) PHIL LYMATH

DRYAD

PO (S) SMUDGE SMITH

BATTLEAXE

For being selected for promotion to CPO(OPS)(S)

