

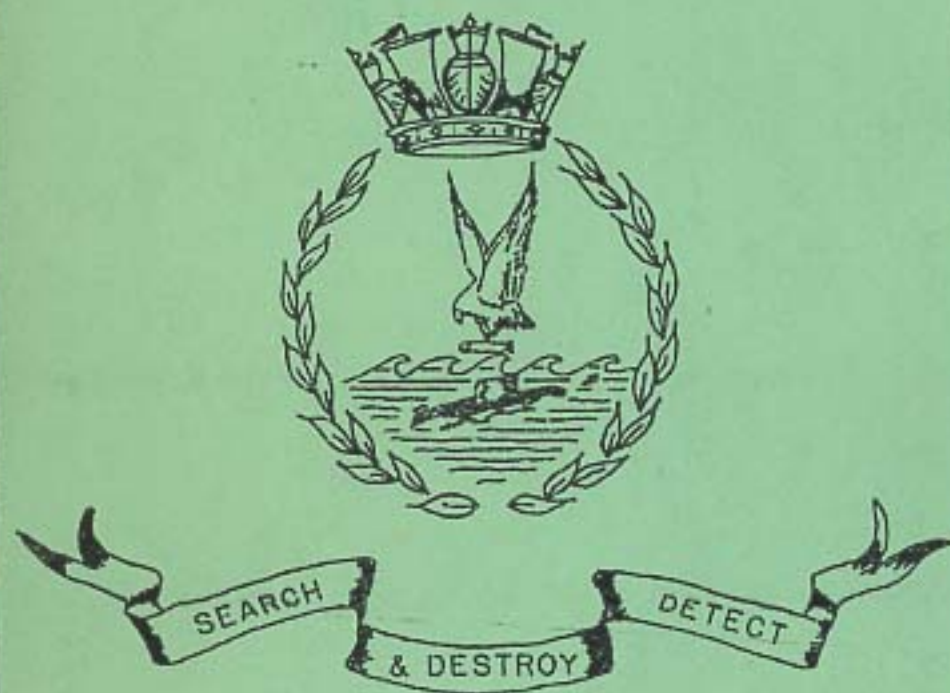
LESS WE FORGET:

"TO PROMOTE ESPERIT DE CORPS AMONGST ALL
MEMBERS OF THE ANTI-SUBMARINE WARFARE
INSTRUCTORS ASSOCIATION WHEREVER THEY
MAY SERVE"

ANON

DEC 91. Mr Allen

THE SEAMASTER



THE OFFICIAL JOURNAL OF THE
ANTI-SUBMARINE WARFARE INSTRUCTORS ASSOCIATION



*Seasons
Greetings*

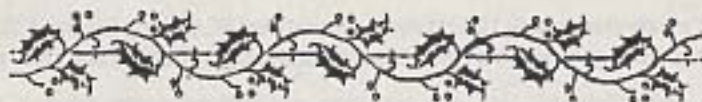
SEAMASTER
*THE OFFICAL JOURNAL
OF THE ASWI ASSOCIATION*



ASWI ASSOCIATION COMMITTEE

PRESIDENT	CAPTAIN A G M A PROVEST
VICE PRESIDENT	CDR D A PHILLIPS
CHAIRMAN	WO(OPS)(S) S WILL
VICE CHAIRMAN	CPO P RHODES
SECRETARY	CPO STEVENS
TREASURER	CPO DREW
SEAMASTER ED	CPO P RHODES
SOCIAL SEC	CPO MARSHALL
EX SERVING REP	Mr S SNELLING

DECEMBER 91



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Hants. PO17 6EJ

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EDITORS DIT

Well, after two attempts of producing your favourite magazine I am finding the secrets of passed Editors, after pinching their ideas, and a few of my own, I hope the publication is shaping up to what you, the ASWI's, expect.

The material that will be included in future editions will be:

- a) FTM's, BR and CB updates to use as a double check before the friendly Green jackets' tap on your gangway.
- b) Drafty will make an appearance on occasions filling a few pages on Dits, stories and information that will help you and your divisions.
- c) Our Portland friends will give us a few tips and fresh ideas as well as advice.
- d) Where's my Oppo: a popular section will remain so you can choose which ship to HIT next.
- e) Our ex-serving members who form the foundation of our association will let us know how life is on the other side of the wall, giving us advice on the ups and downs of civvy street.

However, I need your help to fill the empty pages with stories, dits and any questions you might have to make the magazine interesting, colourful and happy reading.

My biggest problem is the printing and costing, ideally we would like to send a Seamaster to all S/R's in the ASW Branch but are limited to just the up to date members, although we would like to give everyone a copy, this is not possible.

Advertising dit 'PLEASE PAY YOUR SUBS'

ASWI's CHARITY

It is intended in May 1992 to cycle around the UK. Linking England, Scotland and Wales, hopefully sponsored by Trusthouse Forte, Happy Eater, Little Chef and Raleigh Cycles.

The Charity has yet to be confirmed so any suggestions or if you would like to take part please drop me a line.

Well thats enough from me for now.

HAVE A GOOD CHRISTMAS AND A HAPPY 1992



LETTER FROM CHAIRMAN

As this is my last address as your Chairman, I will begin by singing the praises of the Committee that have supported me during my term in office. I would also like to take this opportunity of thanking all those members that have supported the monthly meetings, in particular the ex-serving members who have been the backbone of the meetings.

Your new Chairman, WO Dave Hood, is in the chair officially from the 1st January 1992, and I wish him luck for the future. I hope that he has as much support as I have enjoyed during his term in office.

You will probably see from various minutes of past meetings that we are in dire straits financially, for various reasons, not least being the cost of producing our excellent mag the Seamaster. It was suggested that I might try appealing to you the members, for donations. Our intention is to buy our own printer / photocopier to reduce production costs, and as you read on, you will see that the person suggesting the appeal has also started the fund off with a donation of £10. With approx 180 members we could easily raise the cash through donations to buy our own copier, and so gentlemen, I am appealing to your generous nature to support your Association in this matter.

WE NEED YOUR ONE OFF DONATION TO SURVIVE.

There have been suggestions that subs should be increased for serving members, as a vote was taken at the AGM to increase subs for ex-serving members to match those of serving members, before a final decision is made about this, your thoughts are requested. Bear in mind that silence is construed as acceptance. Please write to the Sec with your views, a final decision will be made at the April meeting.

Christmas drinks this year will be on 17th December in the PRI/ASWI Club at 1145 when we will be presenting our charity gifts, it will be the last official function for myself as Chairman and Pincher Martin as Treasurer. We hope to see as many of you as possible.

Yours Aye

Steve

PS

Just a quick reminder that we can give you the 'Special' touch for your cummerbund. How about having the ASWI's crest embroidered onto a cummerbund of your choice. It looks good on a variety of colours as a background, and sets you apart from the rest. Also it is another way of supporting your association. All you have to do is supply the Sec with your cummerbund, and for a cost of £ 5.50 we will have it done for you.

Christmas Gifts

Ever thought of buying crests, ASWI's and TASI's are both available at a cost of £ 5.00. We can also supply Jumper and Blazer badges, for further details contact CPO Stevens, The Secretary, ASWI's Association, Lewin Buildings, Dryad.



OCEANOGRAPHY SECTION



Hello all, just a quick ditty from the OC section. The Applied Oceanography Centre has now been moved to the first floor in Lewin Building and took over the real estate vacated by the Weapons Analysts. The section now comprises of: OCTO - LT CDR Hipsey, fresh from the METOC job with F7. OCCO - LT CDR Rogers, who is going to DNOM (London) in March '92 and will be relived by LT Elliott. OCT.1 - CPO(OPS) Hugh Caley, I'm off to sea on the good ship BIRMINGHAM in September '92. Last but not least OCT.1 - Who is the divinely delightful and cuddly POWRN (A) METOC Jane Mullender.

UPDATES - The updated CB 04985 and BR 4985 are due out in January (so we've been informed), with the new books the ranges will be more realistic as new computer models are being used for the propagation loss curves.

Hewlett Packard 9000/330 (Outfit PDT) should be on most ship by now, this HP 9845 replacement has the same programs and the same difficulties with other users. A new acoustic package will replace the one presently in the system, this is due to happen in approx 18 months.

2015 is due to be replaced on all ships with either 2060 or the new 2090 which will be a stand alone PC. Staying with the XBT, T4 probes are no longer available from stores and the XSV 01 is being phased out.

COURSES - The following courses are available here for the benefit of ships teams; SEPADS, Range Prediction Update and HP 9000/330. Although there is a limited number of courses run per year additional courses may be run by arrangement. What ever your requirements, whether it be a Range Prediction, Bathy, General Oceanography update or general query - we're on the end of a phone. Dryad ext 4535 admin/OC1.1 & OC1.2 or ext 4569 OCTO & OCCO.

Now for the lighter side of life and Seaman (sonars). What follows are genuine answers from the Seamen (s) OC Theory exam papers:

Q Give one Oceanographic feature which can be identified from the trace of the SSRT.
A Seabed.

Q State 2 reasons for using the 'sleeping cartridge' with the deck mounted launcher.
A To deter Jack for using it for nutty wrappers (FOD).

Q When deciding on a position from which to take a sea bucket reading, list 4 points which should be considered.
A 1, Careful lowering down, 2 Not to be swung, 3, On the sea surface, 4, To catch a wave

Q What is the purpose of sonar 2015.
A Underwater phone.

Q Name the 2 types of surface ship XBT launchers used in the Royal Navy.
A 23 & 42.

LETTERS To the Editor

Dear Steve,

Let me start by thanking you and the Committee for a most enjoyable evening on the night of the ASWI's Dinner / Dance. It is always good to meet up with old pals and to be able to reminisce to our hearts content - albeit to the disadvantage of our 'understanding' ladies!! What a great pity that we had to be subjected to a somewhat drawn out monologue which precipitated a short-lived bar opening period. That was most certainly a situation that could not have been foreseen.

On the other matters close to the heart - or should I say purse strings!! I was somewhat taken aback at the Associations lack of funds when I was privileged to sit in on this years Annual Meeting. During the meeting I proposed that 'charity begins at home', and bearing that in mind suggested that members, both serving and retired, be cajoled into making voluntary donations towards the purchase of a printer. The printer being a vital item of machinery to assist in the production of our main link - The Seamaster. To this end - and putting my money where my big mouth is - I enclose a cheque for £10. Other members I feel certain will only too willingly donate towards such a worthy cause - so come on 'oppos' for the sacrifice of a couple of pints, put your money up front, you know it makes sense!! Our Association needs your help - your Association helps the needy.

To raise another small point I would wish to point out an unforgivable omission to the honours attributable to certain members when consulting the 'Where's My Oppo' page in the Seamaster. The last two issues have failed to recognize that Mick Legg was a deserving recipient of the Wartime MBE. Please could this be corrected in future issues.

Thats enough from me, my pen is spouting nearly as much verbal diarrhea as I was known for when serving. I close wishing you all well and look forward to the next 'meeting in the winds'

Yours Phil Wratten

Ed Many thanks Phil for your comments and the kind donation. I do apologize for the oversight of Mick's MBE. Comments like yours keeps our mag at a high professional standard.

Dear Chairman,

My wife and I would like to thank you for a splendid evening in ref. to the Annual Dinner / Dance. Please accept our thanks for all the hard work that went into it, which obviously contributed to make it such an enjoyable occasion.

Yours faithfully Pat & Dave Becker

Dear Mr Will,

On behalf of Sue and myself, our sincere thanks to you and your Association Members for your kind and generous invitation to dinner last Friday. It was a grand occasion, thoroughly enjoyed.

We wish you a very successful year and trust that your excellent Association will continue and prosper.

Yours sincerely Alan Phillips.

Dear Mr President,

Thank you very much for the great honour you did me and my wife, in being your guests on Friday night. It was a memorable evening with excellent food and company, an occasion I will always remember.

Thanks again. Dave Sarsons

ED Thank you again for your support and keeping our books in order. Best of luck.

Dear Chairman,

I would like to thank you and your Association for the enjoyable evening Trevor and I spent at your Dinner last Friday. I would also like to thank your Vice Chairman, Dusty and his wife Jackie, for their pleasant company and making us both feel so welcome.

Kind regards, Margaret Keeble.

Dear Members,

I recently attended the 1991 AGM of the Association and in listening to the Chairmans address I was rather dismayed to hear that the association is struggling financially.

I admire the efforts of the Chairman and Committee who endeavour to maintain support by arranging social functions which sadly are not well supported, thus creating a financial loss.

I rejoined the Association two years ago after a long absence and feel very guilty for not rejoining earlier.

I was one of the founder members way back in 1955 and was part of the 'action' that built up a thriving Association both financially and socially to become the envy of the other Instructor Associations.

I would address the serving members by asking them not to let the Association fall into decline as well it may without committed support. I appreciate the difficulties with drafting problems and manpower shortage.

It was proposed at the AGM by an ex-serving member that the annual subscription for ex-serving members be increased from £2 to £5. I seconded the proposal and it was carried.

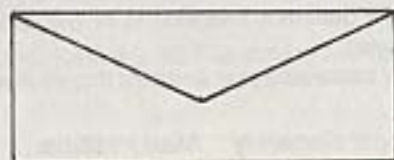
I feel that this action may have displeased some ex-serving members especially if they were paid up life members, to them, I apologize but I felt that I had to support this proposal if the Association, that I was a proud member of when serving, is to survive.

Having said all this I would also like to ask the serving members if perhaps they could help by increasing their membership subscriptions.

The aim of the Association is to promote Esprit de Corps and it looks as if some is needed now.

Yours

Tony Hovenden



MINUTES OF AGM of the ASWI ASSOCIATION

Held in Oliver Block Room 118 HMS DRYAD. Date 25th October 1991.

Committee present: Chairman
Vice
Treasurer
Ex-Serving Rep
Social Sec
Secretary

WO Steve Will
CPO Rhodes
CPO Martin
Mr Snelling
CPO Marshall
CPO Stevens



Apologies were received from a number of serving and ex-serving members and I apologize for not stating their names in print.

A list of members present at the meeting was not taken but I feel that thanks to those that did attend is deserved, and to those members who could have attended but did not, shame on you, please do your utmost to attend future meetings to enable us to maintain "Esprit De Corps".

Precis of opening address's by Honoured Guest speakers

The President of the ASWI Association, Captain AGMA Provost opened the meeting by thanking the committee of the last 12 months for the work they had done and the success they had achieved in raising cash for the charities that the Association supports. He wished continued success for the forthcoming twelve months with all the activities that the Association may take part in. The President stated that he believes the Association has a major part to play in the Modern Royal Navy and firmly feels that every effort should be made to increase active membership. The problems of seagoing members, id of course understood.

CDR DA Phillips

Vice President of the ASWI Association endorsed all comments the President had remarked upon. He thanked all members who had taken their precious time to attend the AGM and hoped they would enjoy the presentations that were on offer and the Dinner that would take place in the evening. He also remarked how pleased he was with the organizing of the AGM.

SOASW LT CDR Sarsons on CW UPDATE

He began by stating that on average one candidate from the Sonar branch per year is accepted for further training and hopes that a figure of 5 per year would, and should be achieved.

DCI 225/91 is a worthwhile read for Divisional Officers. This covers new CW reporting forms.

CPO Walton

He gave the forum a most enjoyable weapons update on MTLs, Stingray Star, and the new Match aiming rules, classification of these minutes prevents elaboration on this presentation.

TAC HELO on MERLIN

This was an excellent presentation covering many aspects. Beginning with a short update on Mk5/6 Seaking and then comparing those aircraft with the Merlin. Once again restriction on classification of these minutes prevent further comment.

Portland the Future

In the absence of WO Kennedy through illness, CPO Williams gave a talk on this subject. It has been proposed that Breast may be used for Syllabus training and designated ASW training in the absence of S/M availability in Portland. Sonar staff has changed at Portland and a phone call to Portland for the staff update and visit is recommended.

AFASWO WO Noble Pot Pouri

This presentation covered a variety of topics:

- The supercession of 182 & Landing of 182 Bodies whilst still maintaining compartments.
- 2080 Low freq UDS temporarily binned.
- Oceanography will soon be contained in one book but publication date vague.

This being the final presentation, the floor then retired for a good ole chinwag and coffee.

The AGM the reassembled for the Association Business at 1045.

Ratification of present committee. The Chairman stated that new members are the Secretary and the Social Secretary and that sometime in the future the post of Chairman would become available. A proposer and seconder were asked for the present committee to continue in office.

Proposed: CPO Forrester, Seconded: Mr Adams.

Chairmans Address

The Chairman explained his thoughts on the relative small turn out for the AGM. He based this on many ships being at sea, and the fact that instruction was still happening in HMS Dryad. Last years AGM was held during CMX week and therefore the numbers were greater.

The Chairman thanked those present especially the ex-serving members for their continuous support, then went on to talk about the way ahead. He asked for more support for the ASWI functions, now that we have a good foothold in HMS Dryad. We now have full use of the PRI Association Bar and are well received.

The Chairman believes that amalgamation with the PRI's is inevitable in the not too distant future particularly in the light of Ops Branch reviews. This he hopes will happen, whilst keeping our own identity. Views on how we can attain this are welcome and will be looked at with interest.

The minutes of the 37th Meeting held on 25 / 9 / 91 were read and accepted.
Proposed: WO Rodgers, Seconded: Mr Snelling.

Correspondence

Nil.

Finance Report

The statement of accounts is at Annex A of these minutes. The following points on finances were made to the chair. After hearing the state of the Association Finances or rather lack of them, Mr Phil Wratten suggested that ex-serving members should pay the same as serving members for membership, the fee being £5 per year. This was put to the floor. At this point there were no objections.

Proposed: Mr Wratten, Seconded: Mr Hovenden.

From 1st January 1992 all members fees will be £5 per year. Action Secretary Treasurer.

The Chairman stated that he thought it was now very important to try and raise money for the Associations use as opposed to just nominated charities, the aim is to enable the Association to purchase its own Printer / Photocopier to publish our Seamasters. WO Steve Rodgers also thought this a good idea. Mr Wratten suggested we appeal directly to our members for donations for such an item. After much discussion no firm decision was made but this will be discussed further by the committee.

WO Paul Hitchcock stated that fees charged to the Association for our Annual Dinner were raised outside his charge. This was due to external influences but it was suggested that the Treasurer / Committee try to maintain the original prices quoted. The Chairman said this he would do.

In his position as WO and SR Mess President WO Hitchcock stated that he hoped to be in a position to subsidise future dinners from funds made available to the WO/SR Mess throughout the fleet. Firm plans and amounts at this time were not available but he would keep the Association informed.

Seamaster Report CPO Dusty Rhodes

The standard of the Seamaster is still improving however the Association was still looking towards a new printer. Printing is a costly business. The formation of the magazine is not a problem, but more correspondence would be nice.

The cost of producing the magazine is increasing quicker than the subs are coming in. The PRI's did offer the use of their photocopier but it still proved cheaper to print using a civilian contact.

CPO Forrester stated that the PRI's do produce a newsletter that has useful information for the ASD. This was duly noted and recorded.

Future Activities CPO Tex Marshall

Tuesday 17th December Xmas drinks PRI's Bar 1200.

Charities Report CPO Dusty Rhodes

The Vice Chairman thanked CPO Klocker White in his absence for all the work and effort he had put in over the last year. The Rosyth / Portsmouth Bike Ride had raised approx £1000. Presentations to chosen charities will take place at the Xmas drinks. Next year it is hoped to do an around Britain cycle ride, date to be decided. The Vice Chairman also thanked the Sea Cadet Corps for their help in this years event and it is hoped to host them at Dryad in 1992 as a gesture of thanks.

Closing Remarks

The Chairman thanked the Committee for their support over the last year. It was hoped in the future to involve the fleet in all aspects of the ASWI Association business more fully also to raise more money for the sole use of the Association but not necessarily to the detriment of our chosen charities.

It is also hoped to continue our good progress towards a more active Association within Dryad. The Association will still cater for the majority of associating members and spread our tentacles to involve those members who are not as active within the Association.

There being no further business the meeting closed at 1152.



WARFARE BRANCH DEVELOPMENT



Since the announcement about the amalgamation of the user's and the maintainers to form the Warfare Branch, you may have noticed that very little information has hit the streets about what's going on. Most people were looking for new branch badges and grat issue of long reds/blacks after all it appeared cut and dried with the announcement.

What many people failed to notice was that the Warfare branch Development Team had been investigating various options for change and that the one they chose, seemed to be the one to run with. However they needed to prove that it was indeed possible to produce an operator mechanic. To provide information on the feasibility of it all a separate team was formed, the Warfare Branch Development Training Design group, which was tasked to look at the problem.

The WBDTDG started with a blank sheet to avoid any preconceptions. The first thing to find out was what people were doing at sea, as opposed to what we thought they were doing. To find out, a questionnaire was produced for each sub-branch, aimed at finding out exactly what a rating did in their professional tasks at sea. The questionnaire not only covered sub-branch task but also whole ship duties. Over 400 sonar rates all serving at sea received a questionnaire, and from their answers came a range and breadth of the tasks of the new Warfare Branch rating.

A new Operational Performance Statement (OPS) was then produced incorporating all the parts of the job the new warfare branch rating would be expected to do at sea, consisting of all the traditional sonar skills active and passive, and the WEMs maintenance duties on sonar equipment and weapons. The new WB rating will also undertake all aspects of passive AIO plotting, evaluation and production of the ASW action picture. It sounds a large range of activities for one rating to hoist in, but it is what the new job will consist of. The OPS was produced and circulated to all and sundry for comment, and with minor amendments has been accepted as an accurate assessment of the Underwater Warfare ratings role.

Having stated that this is what we want the rating to do, the next stage was to design the Training Performance Statement describing the broad content of the various courses. The design team will finish this stage by the end of Nov 91. Only when all this information has been circulated and approved will a final decision be made as to whether or not to implement the introduction of the Warfare branches. The WBDTDG will then move on to production of detailed instructional specification.

ED Thanks Jim, we all watch with interest to see what WBD has to offer!!



DRAFTY CORNER POWREN PE MILES



When CPO(S) Rhodes rang me and asked for a little dit to go into the magazine, I was not really sure what I could say having only been in the job for 6 months, however I shall have a go.

I know there are lots of Senior Rate Sonars who have a shore preference of Plymouth, unfortunately I have only 2 x CPO(S) jobs at Raleigh and only 10 x PO(S) billets divided between Drake / Raleigh. Scotland is even worse, with only 1 x CPO(S) General billet and NO PO(S) billets, the majority of billets being in the Portsmouth area namely Dryad, so you can see my dilemma when trying to keep you all happy!

Shortages at CPO(S) and PO(S) level is still with us especially on the passive side so all you ASWDs get those C240s in to Cross Train, it will open new avenues of drafting for you. Even the CPO(S)s could consider submitting C240s for the Sonar CO-ordinator Course or have I just touched on a rather delicate subject!! All the information on Cross Training is contained in DC1 RN 158/91. This is a plea from the staff on the Sonar Deck, please ensure that members of your divisions complete C230s (Drafting Reference Cards) regularly and correctly. Its the only information we have available and it needs updating to enable us, whenever possible, to draft Sonar Ratings where they next want to go.

Lastly I would like to inform all Sonar Senior rates that if they wish to come to Centurian for a visit, they can ring extension 2441 and arrange an appointment. I look forward to meeting you all.





MK46

CinC FLEET 291501Z AUG 91 instructs all units to return Torpedoes and associated support equipment plus tools and documentation. In other words that's the end of the MK46 as far as the RN is concerned. Make sure the W/E dept don't return the Torpedo Recovery equipment, although it is quoted as for MK46 remember it is common to String Ray TVT

STWS2

Edition 9 Software - the installation is proceeding slowly, over half the ships now have the kit up and running. NSA (ASW) is writing to ships telling them to remove the Green Page drills, his letter is the authority, CinC Fleet will not signal this instruction as was original intended.

Edition 10 Software -

The last minute loss of a trials ship means this edition will not get its sea trial until early '92 - the ship concerned knows the situation! This delay has allowed the rewrite of BR 8589(2) to be completed as far as possible. The missing data is on Fault Sequences, at the moment this information has not been received from the contractor.

Because of the major change in both Software and Hardware a 2 day conversion course to be held at Dryad has been designed. Aimed at PWO(U) / AWSC / ASWD the course reference is No. OSSTTVV. An FTM will be issued in due course giving all the details. Basically you will know when your kit is about to be modified, as soon as you do apply to TPO Dryad for the course giving a range of dates you could get here.

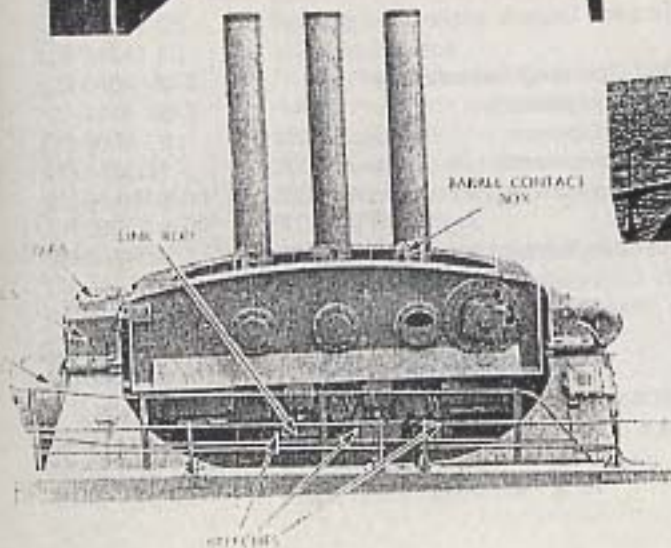
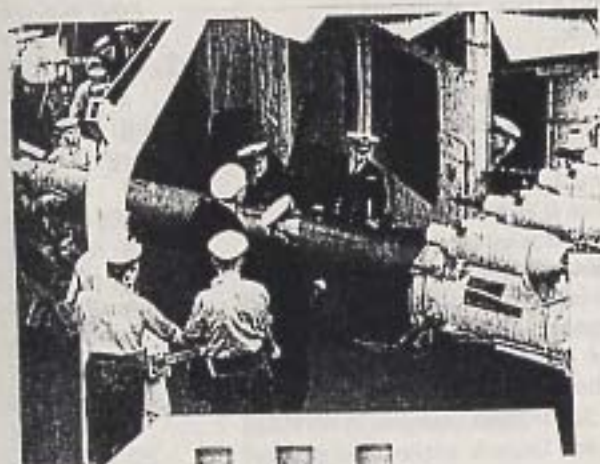
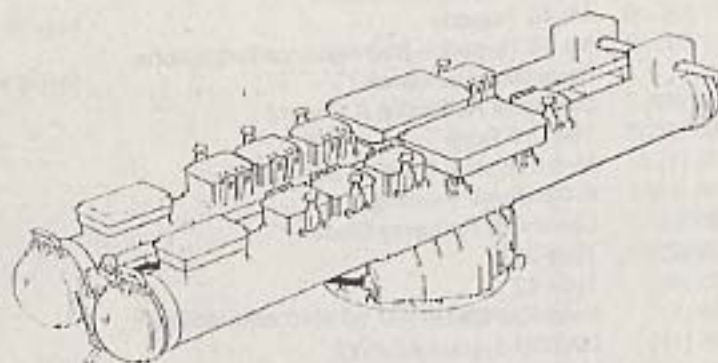
MTLS

All systems have now been updated to Edition 9 software standard, all appropriate units have been instructed to remove their Green Page drills. Norfolk recently sent in suggestions to improve the Confidence (SOC) Check, Thank you Tony, these have been incorporated and re-issued to all T23s. Argyll recently successfully completed TVT firings from her system - well done Tex and team. Malborough completed her PJT recently, all four T23s with a White Ensign are now trained in the use of the equipment. Next on the list Iron Duke, Steve Nash and team will be visiting for their training in '92.

STWS3

The first system is currently undergoing environmental testing. The drill book BR 8965(2) is in the First Draft stage waiting to be proved against a system. I had a visit to the contractor recently with a chance to study the new Mounting Double Torpedo Tubes (MDTT), they look good. The writing of the PJT is complete, the training package will be ready to go by mid '92. If you are in a T42 and you have the dates when you are due to get the kit you will need to come to Dryad for the 1 week PJT during the period the equipment is being installed. Get the Ops Officer to apply for the course, the reference to quote is OSSW3PV. The team to be along should be PWO(U) / ASWD's / OOC tubes. More details will be contained in BR4023(2) at the next change.

Yours Aye Tony Walton



Squid mounting

STATE OF ASW PUBLICATIONS

214 (4)	182 Operating handbook	Original
219	185 Operating Instructions	Amdl
220 (GC1)	Mk 46 Torpedo	1
220 (5)	Mk 46 Torpedo - Maintenance Instructions	4
338	Demolition Handbook	3
2000 (63)	Signature Reduction & Control	Original
2760 (2C)	184 Drill Book	7
2785 (1)	Match System General Description	3
2785 (1A)	600lb Bomb handling	1
2785 (2)	Leander & Rothesay Class	6
2785 (3)	Type 21	5
2785 (4)	Type 42	3
2785 (5)	Invincible Class	3
2785 (11)	MATCH System ADAWS	5
2785 (12)	MATCH System CAAS / 2016	3
2791 (1)	1077 Operating & User Instructions	5
2802 (1)	162M Handbook	1
2803	2013 Handbook	7
2805 (2)	2008 Handbook - Operating Instructions	5
2805 (12)	2008 Performance & Limitations	5
2817	2015 Handbook	16
4023 Vol1	SGUWW (Admin)	1
4023 Vol 2	SGUWW (Sonar & Weapons)	4
4023 Vol 3	SGUWW (ASW Assessment)	5
4023 Vol 4	SGUWW (Oceanography)	3
4185 (2D0)	CAAS Injections	9
4918 (2)	MATCH Handbook	5
8244	Initial Detection & Class Trainer	Original
8245 Vol 1	AS 1092 Shipborne Command Operator	Original
8382 (1)	Handbook for Sonar 2060	3
8342 (2)	Magazine Torpedo Launch	3
8431 (2)	SEPADS	1
8452 (OP)	SONAR 2050 Operating Procedures	2
8526 (1)	Data of UWW Equipment	5
8526 (2)	Data of UWW Equipment	2
8526 (3)	Data of UWW Equipment	1
8556	SLUTT Operating Instructions	1
8575	SACACS	1
8589 (2)	STWS 2 Operating Instructions	1
8599 (OSD)	STWS 2 Flip Cards	6
8680	Stingray	19
8837	RASAT	Original
8603	RES 1	3
8589 (2B)	Shipborne 2060 BATHY	Original
8284	Initial Torpedo System	3

STAFF SEA CHECK (MANDATORY PUBLICATIONS)

FLOOs	Vol 2	53
AXP 1B		14
AXP 1B (Brit Shupp)		2
ATP 10C		8
ATP 10C (Brit Supp)		1
ATP 28A		2
FCD 3		8
OST Guide		15
AHP 6		14
NISUM		1206/91
ATP 55		Original

Publications held by UWW Dept

FLOOs Vol 1		54
FLOOs Vol 4		52
FOTI (FCD 10)		9
FOTI Supp (FCD 10B)		18
FXTI		62
ATP 10C (Brit Supp 2)		1
ATP 1C		3
AXP 5B		74
AXP 5B (SE Supp)		22
ATP 29A		Original
ATP 29A (Supp 1)		4
APP 4 Binder 2		4
APP 4 Vol 1	Allied Maritime Structured Messages	1
NP 631	NE Atlantic WreckMDData Bank	1
BR 1992	Divisional Handbook	6
CB 04023	SGUWW (Command Info)	2
CB 04487 (2)	Fighting Instructions	2
CB 04841 (1)	182 Performance	2
CB 0485 Vol 2	Range Prediction Handbook	Original
CB 0485 Vol 3	Range Prediction Handbook	Original
CB 5036	2009 Handbook	9
CB 8452(2)	2050 Operators Handbook	2
CB 08452 (1A0)	2050 Maintenance Handbook	3
CB 08589 (1B0)	STWS 2 Handbook	5
CB 08680A	Stingray Command Information	7
CB 08342 (1B)	MTLS Command Information	Original
CB 8526	Summaries of Data U/W Equipment	1
CB 5066	Mk 46 Torpedo	10
DNWP 103	ASW Constraints Document	4
JAAC Pub 1A	Extracts to Acoustic data	Original
JAAC Pub 11	Intro to Aural	A14
JAAC Pub 4	Sonar Class Guide Vol 1 & 2	Original

SCRABBLE®

G₂ R₁ A₁ M₃ S₁

BRAND

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P ₃	E ₁	G ₂	R ₁	S ₁	U ₁	L ₁	
L ₁	E ₁	Z ₁₀	A ₁	A ₁	A ₁	E ₁	Double Word Score
B ₃	D ₂	E ₁	I ₁	D ₂	R ₁	N ₁	3rd Letter Triple
N ₁	E ₁	I ₁	E ₁	O ₁	D ₂	C ₃	Triple Word Score
H ₄	E ₁	O ₁	K ₅	L ₁	Y ₄	E ₁	

PAR SCORE 195-205

by JUDD

FIVE RACK TOTAL

TIME LIMIT: 25 MIN

DIRECTIONS: Make a 2- to 7-letter word from the letters in each row. To total points of *your words*, use scoring directions to right of each row. 7-letter words get 50-point bonus. "Blanks" used as any letter have no point value. All Judd's words can be found in OSW Official Scrabble Words (Chambers).

Summit

	x	2	+		
3	x		-		
	+	4	-		
					30

DINGBATS

Find the familiar phrase, saying or name in this arrangement of letters.

**LONG
DEW**

In the puzzle, we give you some of the figures in a sum. Fill in the missing numbers to arrive at the given total of 30.

WHERE'S MY OPPO SERVING MEMBERS

WARRENT OFFICERS

BACON NE
BLANCHE RR
BRIERLY P
BROTHERHOOD CD
BROWN S
CAMBURN IR
CAPEL TP
CHENNEL J
FOSTER J
HITCHCOCK P
HOOD DRW
HARTLEY C
HUTCHINSON J N
KENNEDY PJ
KILROY JD
LOVEDAY A
NIXON PH
NOBLE A
O'SULLIVAN GG
OWEN M
PARK CD
PREECE M
RODGERS S
WAKEFORD AE
WILL SC

FLT ENG PTSMTH
CINCFLT
RALEIGH
DRYAD
CINCFLT
DRYAD
FOST SEA
DRYAD
DRYAD
DRYAD
FOST
DRYAD
FOST SEA
DRYAD
FOF1
FOF1
CINCFLT
CINCFLT
DRYAD
CINNCNAV HOME
FOF1
DRYAD
MOD NAVEL SEC
DRYAD

CHIEF PETTY OFFICERS

ALLPORT TJ
ANTCLIFFE RA
ASTLEY AJ
ALYING RJ
BAKER PR
BANNISTER H
BAREFORD DJ
BATES MR
BRIERS CC
BROMLEY JWG
BROWN A
BROWN T
BUTLER JP
CARPENTER G
CALEY HA
CHARRINGTON LJ
CHETWOOD J
CLIPSTONE P
COLLINS MC
CRAIG RC
CUNNINGHAM PE

BRAZEN
DRYAD
FOF3
JAAC
CARDIFF
COVENTRY
JAAC
CUMBERLAND
JAAC
DRYAD
DRYAD
RNH HASLAR
CLEOPATRA
DNR OUTPORTS
DRYAD
RALEIGH
CCF PORTSMOUTH
SHEFFIELD
EDINBURGH
DRYAD
LONDON

DAVIS AM
DOOLER R
DREW RJ
DUTSON M
EDWARDS
ENGLISH T
ENVY M
FLOWER BH
FORRESTER RJ
FURLONG PK
GARDNER G
GEMMIL DJ
GLEAVE AE
GOLDING BF
GORRINGE JM
GRAHAM R
GRAVETT AN
HOWES KL
HUDSON AS
JOINER P
KAY JC
KAY DB
LAURIE I
LARRATT R
LENTHAL PRF
LEWIS BW
LEWIS PL
LEWIS TR
MARSHALL D
MARSHALL K
MARSHALL L
MARTIN HJ
McCREADY RC
MOORE P
MOSS KG
MORRISON D
NASH S
NEEDHAM SE
NEWELL RJ
OLDREY BW
PARRY GR
PEARCE PM
PHILLIPS WJ
POWLEY MK
PODAGE TR
PROWSE BJ
QUATE WT
QUINTRELL CT
RHODES P
RIGBY JW
ROBERTS TG
RODERWAY R
SHEPHERD D

DRYAD
FENCER
DRYAD
SHEFFIELD
CAPT SM2
SIRIUS
HERMIONE
FOST
NEWCASTLE
DRYAD
CAMPBELTOWN
ARROW
DRYAD
DRYAD
ALACRITY
YORK
NORFOLK
FOST SEA
MINERVA
CONCS
NELSON
CWTA PORTS
DRYAD
DRYAD
DRYAD
COVENTRY
BRAVE
ARGONAUT
DASHER
ARGYLL
DRYAD
DRYAD
CORNWALL
BATTLEAXE
JAAC
FOSNI (OPS)
DRYAD
EXETER
EXETER
CINCFLT / NAVHOME
CHATHAM
DRYAD
VICTORY
BRAVE
DRAKE
DRAKE
YORK
DRYAD
DRYAD (Ed)
DRYAD
RALEIGH
NELSON
LANCASTER

CHIEF PETTY OFFICERS continued

SIMPSON AJ RALEIGH
SLATER N MARLBOROUGH
SMITH JA DRYAD
STEVENS CTC DRYAD
STANKEVITCH P GIB NAVAL BASE
SULLY P BROADSWARD
TUCKER P BRILLIANT
TUTTY PJ NELSON
TWIST PG DEF NBC CENTRE
WALKER JL DRYAD
WALSH BO BEAVER
WALTON A DRYAD
WHITE PJ BOXER
WILLIAMS DP FOST SEA
WILLIAMS J NELSON
WILDE JMA DRYAD
WESTBROOK AG DRYAD
WORSEY R DRYAD
YOUNG PDR BRITANNIA
PETERS (R) DRYAD

PETTY OFFICERS

AMOS BJ NORFOLK
ANDREWS MP AMAZON
ALLEN SM SHEFFIELD
ANTROBUS ASD SCYLLA
ATKINSON D RALEIGH
BAILEY KP AMAZON
BAILEY AB DEFIANCE
BAKER RF AMBUSCADE
BALL CG DRYAD
BARRACLOUGH PA MARLBOROUGH
BARRLETT CEJ RALEIGH
BARTLETT-HORWOOD DRYAD
BEADLE TA DRYAD
BENNETT A DRAKE
BENTING PA ARGONAUT
BOX DJ ANDROMEDA
BOYES D DRYAD
BRETT M NORFOLK
BUCKERFIELD P BRAVE
BURLEY RE CORNWALL
BURKE JJ ROYAL ARTHUR
BURTON GR SIRIUS
BURTON RB LONDON
BUTLER G GLOUSTER
CAMBURN N NELSON
CANFIELD CJ LONDON
CHOATE M DRYAD
CLARK MJ ARK ROYAL
CLARKE RP INVINCIBLE
CODRINGTON M RALIEGH
COLLINGS PJ CORNWALL
COSH D BRILLIANT
COWLEY MJ ARGONAUT

PETTY OFFICERS continued

CRISPIN A COVENTRY
DAVIES CD JAAC
DEAKIN MP DRYAD
DEVINE GIB
DINNAGE SP GLOUCSTER
DODD JE DRYAD / LONDON
DOYLE MM INVINCIBLE
DUNN BM DRYAD
EDWARDS AD ILLUSTRIOUS
EDWARDSDA SIRIUS
EGAN SN DRYAD
ELLIOTT MG BRAZEN
ELLIOTT PJ CAPT PORT
ELLIOTT RE SOUTHAMPTON
EMMERTON D DRYAD
FAIRCLIFF DW DRYAD
FINN T DRAKE
FIRTH DJF JUPITER
FLINT RG DRAKE
FORSTER DW BOXER
FRAZIER PS RN PARTY BAWDY
FRENCH RJ DRYAD
FROST JR SIRIUS
FULLER K BROADSWARD
GARCIA N DRYAD
GOODWIN AD CUMBERLAND
GOWMAN IP LANCASTER
GREAVES GA LANCASTER
GREENWOOD AEF ALACRITY
GOODFELLOW DJ BIRMINGHAM
GRIFFIN M CUMBERLAND
HALE D NORFOLK
HALLOWS JAT GIB NAVAL BASE
HEAVEY WJ BATTLEAXE
HILL PDP NEWCASTLE
HENRY PA COVENTRY
HODSON KL MARLBOROUGH
HOWELL MA RALIEGH
HUGHES G BEAVER
HUTCHINGS MJ ACTIVE
JARVIS JG DRAKE
JONES CEW COVENTRY
JONES DH RALIEGH
KAY JL CLEOPATRA
KELLY A BEAVER
KEMP R DRYAD
KERR A AVENGER
LANCASHIRE AS ARGONAUT
LAWSON GJ NOTTINGHAM
LE-MAGE AC NOTTINGHAM
LINDEN JW GIB
LINGER MP LANCASTER
LITTLE DI CHATHAM
LOMAS P DRYAD
LOYNES MJ DRYAD

PETTY OFFICERS continued

LYMATH PJ DRYAD
MACAULAY A RALEIGH
MADDISON SH DRAKE
MAKERWICZ RE SHEFFIELD
MALCOLM JG BATTLEAXE
MANEELY GJ DRYAD
MANNERS D HERMIONE
MARCHANT JRW ARGYLL
MAULE KH RALEIGH
MEMORY MEC LONDON
McCARTHY DPP JAAC
McINTOSH NA MANCHESTER
McLEAM W AVENGER
McLEOD IC BRAVE
MERCER IL RALEIGH
MIDDLEMAN G BEAVER
MILLS MSJ DRYAD
MORTIMER MC CUMBERLAND
MOSS AR JUPITER
MINTER K DANAE
MOWAT KJ DRYAD
MULDOON I LIVERPOOL
MURRAY AR JAAC
MYATT AJ WARRIOR
NELSON J CINCLEET
O'BYRNE PW CHATHAM
OGGIANNO S CAMPBELTON
O'SHEA MP ARK ROYAL
PAGE BR CLEOPATRA
PARKIN BERESFORD HASLAR
PEARSON RDT CLEOPATRA
PEARCE S ACTIVE
PHILLIPS MR DRYAD
PINCH A CORNWALL
PLUMB P BEAVER
PURSLOW SP NORFOLK
QUATE WT YORK
RADFORD J CHARYBOIS
RAMPTON TJ DRYAD
REILLY JJ GLASGOW
RICHARDSON GA ARIADNE
RICHES RN CHATHAM
RIMMER RD CAMPBELTON
ROBERTS PN RALEIGH
ROBERTSON MRJ EDINBURGH
ROBINSON J DRYAD
ROBINSON JP MANCHESTER
ROLFE C DRYAD
ROWE SM BOXER
ROWNTREE G SCYLLA
SADLER MB DRAKE
SCOTT MJ DRYAD
SEARLE LP ROYAL ARTHUR
SINGH T BIRMINGHAM

SOLCOMBE D
SMITH NJ
SMITH WF
SPEIRS WR
TATHAM KJ
TEMPLE GW
THOMAS ADP
TURNER DA
TYLER DP
UNDERWOOD RM
UNDERDOWN NR
WATTERS NJ
WELSH SA
WHALLEY GN
WHITTY TF
WILSON KE
WOODS G
WOODS NP
WRIGHT DA
WRIGHT D
WYLIE BJW
YATES S

GLASGOW
DRYAD
RNR S WALES
DRYAD
NORFOLK
CHATHAM
CLEOPATRA
DRYAD
DRYAD
AMBUSCADE
ARGYLL
ARROW
DRYAD
DRAKE
JAAC
FOSNI
SULTAN
ROYAL ARTHUR
SIRIUS
DRATMOUTH
JUNO
ALACRITY

EX-SERVING MEMBERS

JOHN ADAMS WATERLOOVILLE
DERBY ALLAN WATERLOOVILLE
JOHN ALSOP GOSPORT
JOHN ASHTON BEM HORNDEN
GEOFF ASHTON SHROPSHIRE
WT ALLAN PLYMOUTH
RG ARMSTRONG IVER (BUCKS)
A ARMSTRONGE GLASGOW
DON ANDERSON NEWPORT (GWENT)
FRANK BROMFIELD FAREHAM
DAVE BEKKER DRYAD
ERIC BOWERS COWLINGE
PAUL BRYNE BANCHORY
GERRY BRADBURY FAREHAM
RG BROWN SOUTHSEA
JACKIE CALAM FAREHAM
PETE CASS KENT
BOB CHERRY KINTBURY
ROY COUNSELL LOVEDEAN
JEFF CLEAR COSHAM
CLEM CLEMON EXETER
DIZZY DENNETT CLANFIELD
JOHN DUNCAN THURSO
DAVE EASTHAM I.O.W.
PETE EDGE LEIGH PARK
TAF EVANS GOSPORT
COLIN FELS SHEFFIELD
LES FORMOY FAREHAM
PETE FAIR GILLINGHAM
FLORRIE FORD PORTCHESTER
DAVE FRANCIS GOSPORT

EX-SERVING MEMBERS continued

RON FEASEY	BOURNEMOUTH	R PATON	STUBBINGTON
DICKY FISHER	St LEOS on SEA	TED PHILLIPS	BEDHAMPTON
PETE GODFREY	FARLINGTON	ROY PLUMRIDGE	COSHAM
POP GLADWISH	GOSPORT	DON PIERCE	NOTTINGHAM
JIM GREEN	NORWICH	BARRY PRICE	LEE ON SOLENT
PETE GREEN	STAMSHAW	PB PURKISS	SHEFFIELD
FLASH GORDON	COSHAM	FRED QUAIN	GOSPORT
J HEPBURN	HAVANT	A QUARTERMAINE	BANBURY
BURT HEAVER	WATERLOOVILLE	C RICHARDSON	PAULSGROVE
SPIKE HUGHES	TUNBRIDGE WELLS	TED ROWE	GOSPORT
IAN HARPER	SOUTHAMPTON	JOHN REEDY	DRAYTON
CHARLIE HAYDON	CREDITON	LES RISHMAN	BOGNOR REGIS
TED HUNT	TAUNTON	RJ RANDELL	SANDERSTEAD
CARL HATMAN BEM	WORCESTER	RED ROBERTS	GOSPORT
PETE HARLING	PORTSMOUTH	L RIDGEWAY	REDCAR
RAY HAWGOOD	BRIDPORT	BILL SOMERTON	DENMEAD
BILL HILL	GOSPORT	ROY STRINGER	COPNOR
PAT HERBERT	WATERLOOVILLE	SAM SNELLING	CATHERINGTON
RON HOB DEN	TITCHFIELD	CHARLIE SOLE	GOSPORT
HOVENDEN		MICK SARGEANT	TORPOINT
DUG JACKSON	CAPETOWN	PETE SOWDON	DOVER
JIM JACKSON	SOUTHSEA	ROGER SINGLETON	CHEDDES DON
JERRY JERRARD	FORDINGBRIDGE	DAVE SWANN	SWANAGE
GEORGE KENNEDY	GLASGOW	JEFF STANLEY	SUTHERLAND
JAKE LAKE	CUMBRIA	JIM SHEPERD	PORCHESTER
RON LYNN	SOUTHSEA	NM SHOULS	LEE ON SOLENT
BILL LISSAMER	FAREHAM	R THOMPSON	ALVERSTOKE
DODGER LONG	GOSPORT	R TAYLOR	SOUTHPORT
FRED LE-MAGE	STORRINGTON	REG TOWNLEY	COSHAM
GERRY LEAR	LIVERPOOL	T TEMPLETON	MANCHESTER
MICK LEGG MBE	PLYMOUTH	K THOMAS	WATERLOOVILLE
BOB LOFTUS	BEDHAMPTON	FRED THORPE	CROBY
JRC LEWIS	PORTSMOUTH	MAURICE TREGOVE	POOLE
HARRY MINCHIN	SOUTHSEA	BEN TRAVIS	SITTINGBOURNE
JOHN McLEOD	GLOUSTER	RJ WARD	CUMBRIA
JERRY MOULSON	COWPLAIN	K WALK	PAULSGROVE
SAM McCOMBE	GOSPORT	WRAGGY WRAITH	PURBROOKE
JW MOTT	SOUTHAMPTON	JOHN WHITEHEAD	WATERLOOVILLE
REG MADGE	HORNDEN	MICK WORSEY	SIMINGTON
SG McINTOSH	LOWER KINGWOOD	SHINER WRIGHT	SOUTH LANCING
PADDY MEASEY	GOSPORT	PHIL WRATTEN	READING
G MORRALEE	CHICHESTER	CHRIS WYNN	GOSPORT
DG Mac PHERSON	GOSPORT	T WRIGHT	BELPER
PEGGY NEAL	WEYMOUTH	BUNGY WILLIAMS	PLYMOUTH
TED NEESON	GWENT	BANGO WEST	CWMLLYNFELL
B NICHOLS MBE BEM	GUILDFORD	SOAPY WATSON	LEE ON SOLENT
PJ O'BRIAN	STOCKPORT	SHINER WRIGHT	GOSPORT
DEREK O'ROUKE	DUNFERMLINE	BUNGY WILLIAMS	I.O.W.

Teaser solutions

Summit				
6	x	2	+	1
13				
3	x	8	-	9
15				
5	+	4	-	7
2				
				30

SCRABBLE									
GRAMS SOLUTION BY JUDO									
B	G	R	U	P	L	E			
A	Z	A	L	E	A				
B	R	I	N	D	E	D			
C	O	D	E	I	N	E			
K	E	Y	H	O	L	E			
PAR SCORE 135-205									
JUDO'S TOTAL 301									

solution
Long overdue