

LESS WE FORGET:

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

ANON

MR ALLEN

29/3/93-

THE SEAMASTER



THE OFFICIAL JOURNAL OF THE
ANTI-SUBMARINE WARFARE INSTRUCTORS ASSOCIATION

SEAMASTER

THE OFFICIAL JOURNAL
OF THE ASWI ASSOCIATION

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MARCH 93

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CHAIRMANS NOTE

Yet another year has swiftly passed us by and I am glad to report that it has been a successful one for the Association. We have been very grateful for the money that has been donated to our adopted charities. How it has been used has been outlined by Dusty Rhodes in the charity letter to members. Don't forget we are always interested in fund raising ideas, please pass them on.

I am also pleased to report that the membership is up on the previous 12 months and we continue to gain financial stability. Some key date for your diaries; the AGM will be held in Oliver block, room 118 on 29th October 1993. The Dinner Dance to follow will be held at The Royal Sailors Home Club, Portsmouth. Even at this early stage can I remind members to be on the lookout for nominations for the Male and Female members of the year, honoured at the function.

The 3 monkeys trophy, which the Association will be hosting this year will probably be held on Sunday 4th July. Details of all events can be found in the Social Sec's Diary.

An interesting point was discussed at Februarys monthly meeting, CPO Robbie Roberts on HMS Beaver raised the issue of the Associations interest s in the Devonport area. He was concerned that little interest was being generated in the West country. Robbie was invited to investigate the possibilities of sattelite meetings on a regular basis, reporting to the central committee. Also the feasibility of a symposium to be held on a host ship. Any feedback from members to Robbie or to the committee will be gratefully received. Finally through this medium, on behalf of the Association, I would like to thank Dusty Rhodes for all his efforts while on the committee, also to wish him well as he moves on to his new job at F.O.S.T.



EDITORS DIT

Well here I am again putting my fingers to the keyboard and trying to play a tune or two, I must admit my fingers are not as red as they use to be although they may be smaller!!!

Sorry to say this will be my last tune as I leave Dryad to 'DON' a green jacket and join the team in Portland, and I hope to meet as many of you as I can during stay. I am pleased to say we are receiving more lettters with helpful hints on how to improve the Association, so please keep them coming in.

Lastly thankyou all for your support over the last year have a "HAPPY EASTER" and I hope to see you all at the dinner in October.

Dusty Rhodes



TREASURERS DIT

I am pleased to announce that the financial state of the association remains stable, at present we have £739.46 in the bank and cash tin and that is after paying £140 to the Home Club, which is the deposit for the Annual Dinner/Dance in October.

There are still alot of subscriptions outstanding for 1993, and I must remind all members that if subs are not paid by the end of June "Seamasters" and other items will not be sent. We do not send alot of reminders, and this do take alot of our spare time, so please keep the subs coming in if you want updating with whats going on within the Association.

Dickie Drew.



IN MEMORIUM

It is with regret and sadness that we have learned of the passing away of two of our comrades:

Gordon (Carl) Hayman and Gerry (Scouse) Lear

Gordon passed away on 4th November 1991.

A former Petty Officer Submarine Detection Instructor with a distinguished War career Carl first came to HMS Vernon in the late forties to cross train in torpedoes, mines, minesweeping demolitions and ASW weapons (depth charge, squid, hedgehog), to enable him to be rated TASI. After which he spent some time teaching TD3's qualifying. He had many sea drafts, and many will remember him as the Squadron Chief TASI, 1st Destroyer Squadron in HMS Armada.

In 1959 he was Editor for the Magazine "SEAMASTER", and we will miss the dits he wrote, and perhaps in appreciation some of his stories could be retold in future editions of the "SEAMASTER".

John Adams

Scouse passed away on Mon 10th August 1992.

CPO(OPS)(S), formerly CPO TASI G.E.Lear (Scouse) He left the RN in April 1978 after 34 years man's time

At the time of leaving the Service he was at HMS Eaglet, Liverpool on the staff of MNDIO.

Among the ships Scouse had served in, post 1951 (when he re-entered following demob in 1946), were Daring, Camperdown, Vigilant, Virago, Manxman and Whitby.



CCMEA J E Lear (Son)



TAS JOTTINGS

The turmoil over the Weapon Section titles has now been resolved. Ray McCreedy is now UC1.5 teaching String Ray and all Tube Launched Systems. Ray Newell with his amended title UC1.6 continues with MK 11 Depth Charge and all things MATCH/VECTAC. What of me you might ask, well I am also titled UC1.5 - but I am currently beavering away at STWS2 Version 10, MTL5 V10 and STWS3, in an attempt to have the books and teaching aids in good shape by the time the modified equipment arrives with the fleet. The two Rays also allow me to do a little instructing, just to keep my hand in I guess !!.

Next time you are in Dryad G14 Weapons Lecture Room you will find a Torpedo Tube that has an interesting history. Initially it was an old STWS1 tube, cut away for display at the RNEE by CRAY Marine. (CRAY had the post design contract for STWS1). After the rapid demise of that system in 1988 CRAY were saddled with it gathering dust in a Barnstable test-shop. This was where I first came across it, after a brief discussion it was decided it would look better in Dryad. The offer from CRAY ended with the words "If you want it come and get it". One extra large Transit van and a couple of days effort later I delivered it to Dryad. The next donor was required. At this time I remembered the Charybdis was due to go out as a target, she still had tubes fitted. (I knew this because all the rest of the STWS2 system is in Dryad - the lot). A couple of phone calls to DILSUP later saw Ray Newell and myself in No 8's, with rabbit tool kit onboard 'Cherry B' "saving" the required items. A couple of days loving labour converted the skeleton tube to a replica of the real thing. There were one or two snags converting what was a STWS1 tube to look like a STWS2 tube but they have been dealt with. Chippy has provided a rather posh looking base, plus a display board is being manufactured to explain the detail. For years to come explaining how a Breach Locking Ring and Air Control Valve work together is going to be easier for the instructor.

I mentioned the rest of 'Cherry B's' STWS, it will be reborn in Asuat 11 in due course. A little refurbishment and updating to V10 will be required, but compared to the cost of a new system that will be peanuts. I will not see it in action but I am sure it will not let us down!!.

On the TASI front, I had a quick count of heads today. I believe there are now only two 'badge wearing' TASI's left, myself and Pete Joiner.

Of the non badge wearing (ie: WO community) there are 4, Chris Hartley, Ian Camburn, Paul Hitchcock and Jim Chetwood. Chris retires preyyy soon, so it is fair to say you can count the number of remaining TASI's on one hand after that. Early next year both Ian and myself depart, it looks like the last to serve will be Paul. (Unless you know differently).

Minor drill amendments - STWS/MTLS - delaying the order "Attack Complete" to the SC until you have reselected another Source on the panel, thereby not losing the Sonar Source when you needed it most. Basically in the next change to the drill books you will notice you pass to the SC "Cobra loose, bearing....." Reselect your Source, once you have settled down then tell the SC "Attack Complete", whereby he will cease cutting through --easy eh!!!.

Both STWS2 and MTLs Version 10 are proceeding steadily. MTLs is the next to go for trial in Malborough during the Easter period. I may be in attendance- yet to be confirmed. Let us hope it is successful. I am sure Nick Slater and team will do their best.

Finally Gents, happy Easter to you all, you will be pleased to hear the next Jotting could be my last effort.

Yours Aye

Tony Walton.

ED: Thanks once again Tony for another interesting T.J.

DINGBATS

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

PEN SWORD

SOCIAL REPORT

The social programme for this past term has run well, and as programmed. The cheese and wine/party night on the 4th Feb and the quiz night on the 11th March, were both a great success.

The social programme for next term is as follows:

27th April	Monthly Meeting
25th May	Monthly Meeting
17th June	Social Evening (Theme to be decided)
29th June	Monthly Meeting
4th July	3 Monkees Trophy (Hosts: ASWI's)
27th July	Monthly Meeting

The Annual Dinner Dance has been confirmed and booked for Friday 29th October 1993, the venue will be the Royal Sailors Home Club, Queen Street Portsmouth commencing at 1930 for 2000.

The cost will be £20 per person this will include:

	Sherry on Arrival
	Wine
Menu:	Crofters Soup
	Roast Beef and Yorkshire Pudding
	Vegetables
	Sweet
	Cheese and Biscuits
	Coffee and Mints



When you make your bookings (in writing) please state which sweet you would prefer, either, Fresh Fruit Salad, Gateau, Cheese Cake, or Lemon Mouse.

Please make cheques payable to HMS DRYAD CENTRAL FUND

Jumper Collins

STATE OF ASW PUBLICATIONS



BR 2760(2C)	Sonar 184	7	Contains Phase 3 Info & Procedures
BR 5075(2A/2B)	Sonar 2016	4	
BR 5075 (OP)	Sonar 2016	4	Flip Cards APR 93
CB 08713 Vol 1	Sonar 2031	Orig	
CB 08713 Vol 2		Orig	Command & Control
CB 8452(2)	Sonar 2050	6	BR 8452(OP)
Sonar 2050	(Flip cards)	6	
BR 4918(2)	Match H/B	6	May 93
BR 8589(2)	STWS 2	8	Rewrite for ED 10 in hand
BR 8342(2)	MTLS	1	APR 93
BR 8342(OSD)	MTLS (F/C)	1	APR 93
CB 04023	COMMAND	3	Change 4 in hand
BR 4023(1)	Administration	5	APR 93
BR 4023(2)	Sonar & Weapons	ORIG	APR 93
BR 4023(3)	Assessment	ORIG	APR 93
BR 4023(4)	Oceanography	4	
BR 27777	Torpedo Recovery	2	DEC 92
BR 8431	Sepads	1	Change 2 in coll stage
AXP1B	A/S Manual	14	MAY 91

AXP1B	Brit Supp 1	3	DEC 92
ATP18(C)	S/M Ops	3	New original book at ratification stage (18 'D')
ATP28(A)	Allied ASW	3	
ATP1C Vol 1	Tactical Info	3	Includes Errata to Ch 3
CB 08680A (1B)	Stingray Com	7	
FCD 10	FOTI	12	
FCD10B	FOTI (Sec Pub)	19	APR 92
FCD 9	FXTI	63	
FCD 3	OP EN	Ori	New Book 91
AXP 5B	EXTACs	74	Binder 1 and 2
AXP 5B	EXTACs	22	SECRET Supp
ATG 10C	Search & Res	8	
ATP 10C	Search & Res	1	Supp 1
ATP 10	S/M Search & Rescue		
CB 08342(1)	MTLS Com	Ori	Issued to Norfolk
BR 8966(2)	STWS 3	Draft	Updated Dec 93
CB 8966	STWS 3	Draft	In production

Mk 8 & Mk 46 Torpedoes ; Mortar Mk 10/Sonar 170: All obsolete information has now been removed from ASW Publications. If you hold any stores associated with Above Weapons or Sensor--return as convenient.

On Job Training (OBT).. Chapter 3 to BR 4023(1) has been completely rewritten and Change 4 (Fleet issue January 1993) will provide a OJT package which will assist the CPO/PO(S) in establishing an on board training programme to bring his sonar rates to OPS (see FTM 423/92)

CONGRATULATIONS TO:

Mr Alan Wakeford

on his award of the MBE in the New Years Honours List

Phil Lymath

on his promotion to CPO(OPS)(S)

"FEMALE OF THE YEAR"

"ASSOCIATION MEMBER OF THE YEAR"

Nomination need to be forward to the
Chairman by 16th September 1993

Stating:

Your Name

Nominee

Reasons for Nomination

Awards will be presented on the night of
The Dinner

4	+		x		
	x	5	-		
	-		+	7	
					54



AUTEC

IS IT REALLY JUST
FUN IN THE SUN ???

A dissertation by WO(OPS)(S) Jess Owen

Assistant AUTEC Co-ordination Officer to CINC Fleet

Well, its that time again. Regular as clockwork, once every two years, I start getting guilty twinges and then feel obliged to make a contribution to this celebrated periodical. The fact that the editor has also been haranguing me to submit an article has got absolutely nothing to do with it . . . !!! The problem of motivation thus overcome, all I had to do was decide on a topic to write about. I narrowed down the choice to either 'Sonar Theory' or AUTEC. Sonar being my weak subject, I settled for AUTEC.

I can now speak from a position of limited authority on the subject as I was appointed to CINCFLEET in February 1992 to assist AUTCO, Cdr J J TALL RN, a gnarled submariner (his words not mine!). My prime task, however, is Fleet Trials Administration (all FT's - AAW, UNW, Aviation, SW etc) which means I formulate the annual FT programme in conjunction with the 2 star Flotilla Commanders and put 'bums on seats' for the plethora of trials required by the various MOD agencies. Difficult in these days of Fleet shrinkage, ever increasing out of area operational requirements and general lack of cash. My secondary task is A/AUTCO helping AUTCO with the mountain of AUTEC administrative niff naff that comes our way. It doesn't stop there however, and there is a great deal more attached to the business of AUTEC than first meets the eye. We've all read the book, done the jigsaw and seen the film on AUTEC but not many have actually been involved in it - particularly the shoreside C¹, analysis (more records required!) or its capabilities.

What/Where is AUTEC? AUTEC stands for Atlantic Undersea Test and Evaluation Centre. The AUTEC ranges are situated off Andros Island, Bahamas, approximately 170 miles SE of Florida and 50 miles SW of Nassau (see Fig 1). The ranges and facilities are run by a civilian Maintenance and Operations Contractor which is at present a company called AUTEC Range Services (ARS). They are tasked by US Navy Civil Servants of the Naval Undersea Warfare Centre (NUWC) whose headquarters are at Newport, Rhode Island. Day to day management is carried out by the NUWC AUTEC Detachment, which have their offices sited at West Palm Beach, Fla. The ranges are approximately 5 miles

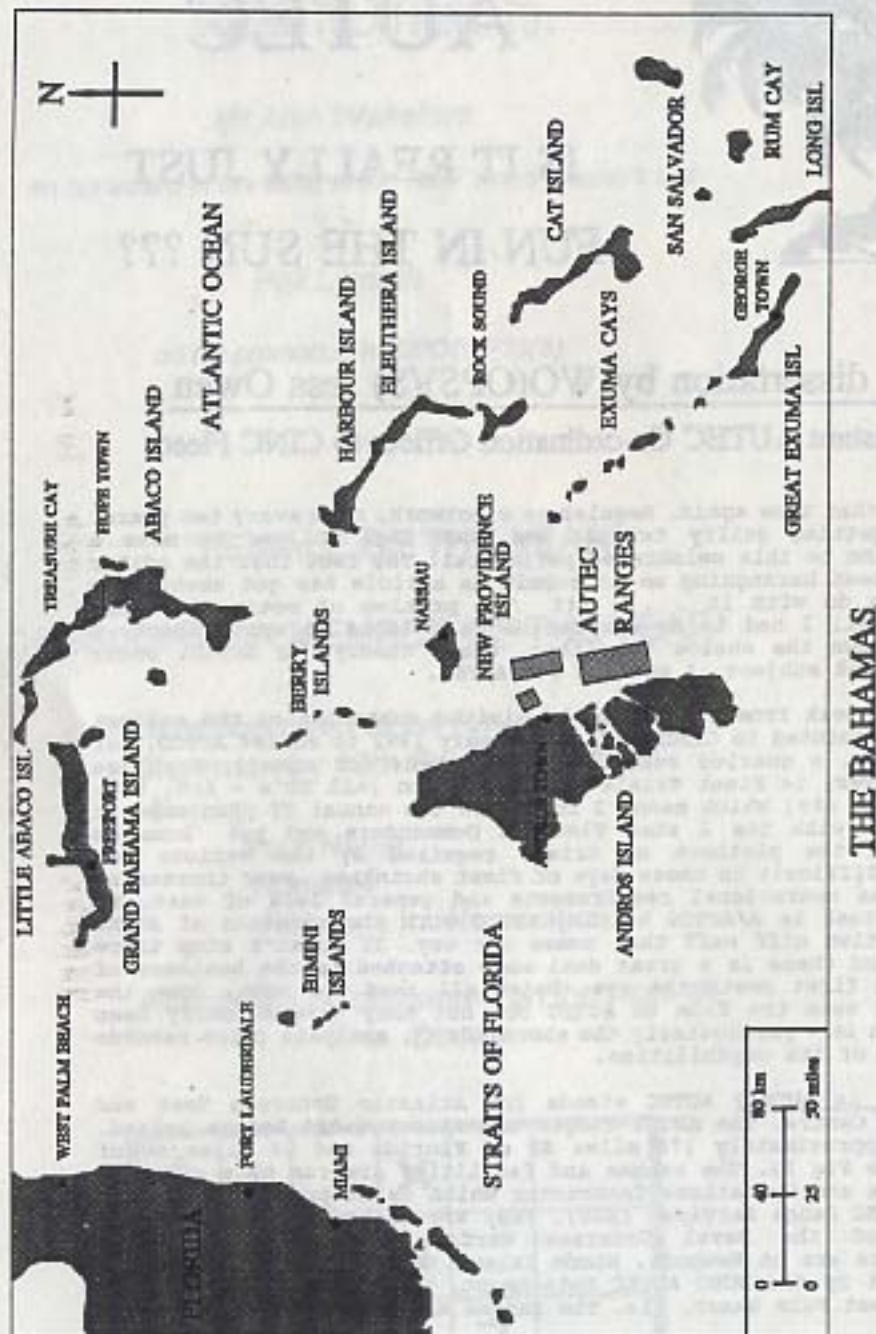


Figure 1

offshore of Andros in an area called 'The Tongue of the Ocean' (TOTO). They provide a deep water (500-1000 fathoms) facility for underwater weapon tests, FORACS ranging, hydrodynamic tests and acoustic measurements. The main range facilities are (see Fig 2):

- A. **FORACS Range.** (Fleet Operational Readiness Accuracy Check Site). The FORACS range is a 5 x 5 nm area located directly offshore from the main base at Andros Town known as Site 1. It consists of three offshore tracking towers, four bottom mounted sonar transducers and a shore based ESM test set and radar transponders. The range is used to check the accuracy of sonars, radars, navigation sensors, fire control systems and optical sensors. All RN DD/FF's undergo FORACS prior to taking part in AUTEC operations to establish sensor 'benchmarks'. Typically, it takes a ship 2 days to range, with the second day devoted entirely to sonar (2050). It is intended to check 2031Z accuracy for the first time at FORACS in the spring of this year.

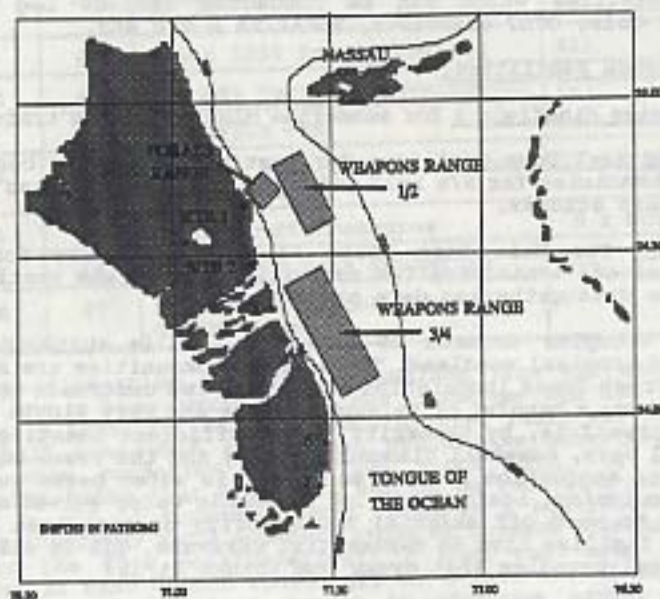


Figure 2 - The AUTEC Ranges

- B. **Weapons Ranges.** The two weapons ranges, known as WR 1/2 and WR 3/4, consists of instrumented in-air and in-water corridors which extend from Site 1 to Site 7; a distance of approximately 70 miles. Within the range as a whole are five precision track radars and three in-water tracking systems that are capable of providing simultaneous real-time 3-D tracking of multiple sub-surface/surface/air targets.

The sub-surface tracking systems are sited at WR 1/2 and 3/4. WR 1/2 consists of two arrays of seven bottom mounted hydrophones arranged in a circular pattern with a diameter of 3600 yds giving a coverage of approx 170 sq miles. WR 3/4, the main range,

consists of an array of 48 bottom mounted hydrophones arranged in a rectangular pattern 5 x 15 nm giving a potential coverage of 220 sq miles. Tracking is achieved on ships, submarines and torpedoes by fitting them with 'AUTEC Pingers' operating on 9 different freqs and repetition rates. The pingers are sited in 'sea chests' which are fitted in ships/SMs on building. Accuracy of the tracking system is approx 3 yds!! Each range has its own bottom mounted UWT transducers so that the range control at site 1 can talk to the S/M when dived anywhere along the entire length of the range - it is not a 'say again machine', comms are excellent.

WR 3/4 is also capable of tracking up to 40 sonobuoys. The tracking system employs antenna fields located at Sites 2, 3 and 4 and uses a clever method of VHF DF to determine bearing lines to crossfix individual buoys in any of the standard 99 RF channels.

The primary use of the Weapons Ranges is for weapon firings; other activities which can be conducted include Log Cals, ESM/Radar Cals, OTHT exercises, Sonar/TA R & D etc.

C. Miscellaneous Facilities.

(i) Exercise Minefield: for submarine mine avoidance training.

(ii) Ocean Haul Down Facility: for testing underwater buoyancy propelled vehicles for S/M hull and torpedo shape R & D and other hydrodynamic studies.

B. Main Base. The Main Base (Site 1) is the centre for all operational and administrative activities. It is the centre for all of the data gathering data processing.

The base occupies an area of 420 acres. It is surrounded by swamps and tropical woodland. The nearest communities are Andros Town and Fresh Creek (population 1000) with two underused hotels, a shop or two, a handful of telegraph poles and very little else. The base itself is, by necessity, self sufficient boasting a PX (small), 2 bars, baseball diamond, laundry and the usual messing facilities. Recreation for the most part is water based such as fishing, swimming, boating, diving and tonic water served at the beach bar to ward off malaria! The majority of permanent staff and their families live in residential caravans. All in all, not the tropical paradise that every one thinks it is!

The focal point of all range activities is the Command Control Building. Located in the CCB are the COMMCEN, Real-Time Display Centre (RTDC), Acoustic Range and the FORACS Data Processing Centres. The RN has permanent offices in the CCB which acts as the Ops Room when RN units are on range. The RTDC contains a control gallery for the trials directors and recorders (RN), and a floor of test conductors (US) with the whole of one wall displaying the range activities in real time.

What does the RN do at AUTEC? The Ranges are used by the UK Ministry of Defence, the RN and the RAF for underwater weapon research, in-service firings, development, evaluation and acceptance trials, sensor accuracy checks and weapon and operational training. Planning for any AUTEC operation is a long winded and complex affair starting 18 months in advance and necessitates close liaison with the AUTEC contractors.

This office writes the overall Operation Order and individual projects produce trials orders for each range activity. Perhaps the best way to illustrate its usage is to outline the Operation conducted at AUTEC in the Autumn of last year:

Operation SAND GROUSE (28 Sept - 25 Oct 1992)

Participants:

HMS ARK ROYAL (820 Sqn)	HMS EXETER
HMS COVENTRY	HMS CARDIFF
USS MOOSEBRUGGER	3 x RFA's
826 Sqn (OEU)	
HMS TRIUMPH	HMS ORACLE
USN SSN	

TRIAL	HOURS	AIM	WEAPONS
PUNISH	120	STINGRAY in service firings	30 x STINGRAY 8 x TIGERFISH
CASEX	60	Sonar 2050 Data Gathering	Nil
WOKING	40	SEJ MK6 Tactical Development	Nil
WHISK	40	SPEARFISH FWA	14 x SPEARFISH
LANPAS	44	Surface Ship Torpedo Defence System (SSTDs)	12 x TIGERFISH 8 x MK48
PALMAS	10	SSTDs Countermeasures	9 x Mobile Tgts
TIMELY	16	Sonar 2072 Data Gathering	Nil
FORACS	40	Sensor and Weapon System Calibrations	Nil

The more discerning reader may conclude from the above that SAND GROUSE was a busy period!! At one point we had 10% of the Fleet working at AUTEC for 9% of the operational year, all being run by a very small team with a WPP that would have embarrassed Portland. Trials were conducted around the clock with the only planning constraint being that torpedoes had to be recovered during daylight hours. In all 72 torpedoes were fired at a multitude of different targets (COVENTRY had 4 separate types of torpedo launched against her much to the CO's consternation!) I know that none of the ships involved in SAND GROUSE would call me a liar when I say they worked extremely hard for long hours. An enormous amount of data was generated to further the cause of FWA, torpedo software proving, tactical evaluations, sonar data gathering, and DRA R & D - the list goes on. Much of the data has yet to be fully analysed although most of the first impression reports have been completed with many interesting observations and encouraging results which will undoubtedly benefit the UWW fraternity in years to come.

Closing Comments. AUTEC is invaluable as a proving ground for our UWW weapons and sensors. Unfortunately the only other alternative, BUTEC, is constrained geographically, 18 sq nm vvs AUTEC's 390, and only offers 100 fathoms depth vvs AUTEC's 1000. Then there's the weather! Its hard work for everyone involved in its preparation, planning and execution but satisfying to see the end result. The operational

training opportunities should be obvious to all, particularly in these days of 'lack of targets'.

The bottom line of this piece must be that trials of this nature have got to be conducted and out of necessity they have to be done somewhere warm, but its definitely -

NOT ALL "FUN IN THE SUN"

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A ₁	I ₁	K ₁	T ₁	S ₁	A ₁	R ₁	1st Letter Double	RACK 1
Y ₁	E ₁	E ₁	O ₁	D ₁	B ₁	E ₁	4th Letter Double	RACK 2
R ₁	A ₁	E ₁	I ₁	M ₁	T ₁	E ₁		RACK 3
M ₁	A ₁	E ₁	R ₁	E ₁	C ₁	R ₁	Triple Word Score	RACK 4
D ₁	N ₁	U ₁	F ₁	Y ₁	O ₁	R ₁		RACK 5

PAR SCORE 145-155
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 CSW Official Scrabble Words (Chambers).

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DINGBATS

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

FAST LIFE LANE

DINGBATS

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

**SHEET
SHEET
SHEET
SHEET**

**WIND
WIND**

CAMBODIA The Final Frontier

By WO(OPS)(S) N E Bacon

I've finally put pen to paper, and will try to describe, possibly my most rewarding 6 months in the RN.

I'll open over the build up prior to departure but it was a hectic round of jabs and briefs and more jabs. Just in case there really was another plague the medical world had missed. Several briefs took place amid some publicity as we were the first Naval Observers to be deployed with the United Nations (in history).

Departure date was finally decided, the 27th May and at 1600, eleven officers, 51 Senior Rates and 18 RM's boarded the coach for Heathrow and the ultimate adventure in South East Asia.

Cambodia, where is it? some might ask, well it's coast is the Gulf of Thailand, in the SW, NW is Thailand, NE is Laos and SE is Vietnam, and why were we going?

Well we were going to be part of the United Nations Transitional Authority, which had around 16000 military personnel and 5000 civilians. The aim of this project was to establish democratic government in Post - Pol-Pots Cambodia.

This had been deemed in the Paris Agreement of Oct 1991 which laid down the guidelines of disarmament and how UNTAC were to demobilise and rehabilitate the population.

Fueled with the detailed brief but lacking a copy of the Paris Agreement, we finally arrived in Cambodia's capital city, Phnom Penh, after an overnight stop in dear old Bangkok.

The task which faced us was enormous, the UN naval section was responsible for patrolling the coast and the inland waterways of Cambodia, the river Mekong a muddy brown fast flowing river with a rise and fall in excess of 10 metres between the rainy and dry season the Tonle Sap river which flowed into the Tonle Sap great lake and the Bassac river flowing south.

Problems emerged from day one like no pay, no boats, no maps or charts, in fact, no nothing at all. What a challenge.

The UN Naval Section was 215 strong although not all countries were in place until a fortnight after we arrived. Navy personnel were from the UK, 17

Canada, Chile, New Zealand, Uruguay, plus 5 Russians who served in the main coastal station of Ream.

So the first task was the challenge of language and culture and secondly acquiring boats charts etc. To this end foraging teams were sent out into Phnom Penh city and in a remarkably short time we had a resemblance of an Ops room. Zodiacs had begun to arrive and recce parties had secured houses in the designated river bases.

By June 12 a large number of the Naval observers had been deployed to the coastal stations and the River bases and were finally handed over some Kano Class river vessels (a cabi cruiser, Russian built boat), and 3 landing craft. Down on the coast the teams were battling against all odds to try and get their fleet of old Russian craft in a seaworthy state, consisting of Stenka 205 patrol boats, Schmel 1400's and 1204 river class patrol boats and also a couple of landing craft. If my memory serves me right, this incredible task was finally achieved about Oct/Nov 92, maybe not to western standards but they floated and could show a considerable turn of speed.

By June 12, a fortnight after arrival, our tasking could now go ahead, each Naval Base had a mixed team of nationals and 2 or 3 Zodiacs to carry out their role of peace keeping Observers, the main tasks were to ensure no weapons were being brought into the country and to also verify the non presence of Vietnamese troops in Cambodia. This tasking was increased later to support the electoral teams preparing for the elections this year 1993.

Every day was an adventure whoever and wherever you were. Many tales, all true remain to be told, 12 hours in a Zodiac under a tropical sun, exploring waterways where no white man had been for decades, and then after the battle through areas of malarial snake infested jungle suddenly, coming face to face with the Khmer Rouge, interesting is maybe the wrong word but it was always in my mind that under Pol-Pot the Khmer Rouge had been responsible for the killing in the region of 2 million Cambodians between 1975 and 78 (killing fields), and putting millions more to flight as starving refugees.

Even now back at my desk, here in SMOPS, it's hard to forget the clours of the soil, the vegetation the boatmen on the riverbank handling their boats against the current, just as Garnier described over 100 years ago. The villagers untouched by time or the banks where the children cheered and then plunged laughingly into the river.

Mango and Kapok trees, sugar palms and bamboo, scences I know I'll never forget, but it was'nt all idealic, the violence when the NADK (Khmer Rouge) clashed with the CPAF (Cambodian People's armed forces) the rule of the river bandits and the mass corruption and extortion the ugliness of war which came home to you very forcibly when you entered the villages and saw the numbers of limbless children and adults maimed by the mines so indiscriminably sown by all the factions (one of our greatest fears).

I feel at this stage I should draw strings but I feel privileged to have served in Cambodia and I must admit I would return tomorrow but when I left I felt although some of the factoins wer'nt following the peace award and UNTAC was not in total control of the sections administrations. Progress had been made, there was not and I feel never will be 100% peace in Cambodia but people were optimistic peace would come to Cambodian people.



UN Naval Observers check a cargo sampan on the Mekong River.

WO(OPS)(S) N E BACON



CHARITY

A few weeks ago all members were sent a letter informing them of the Association's plans for this year's charity event(s), a copy of the same letter is included with this edition of the Seamaster.

So far Peter Purkiss and Alan Quartermaine have sent in charity donations of £10 each, WO Dave Brotherwood has run the Portsmouth Half Marathon and raised £20, Dickie Drew has also run the Portsmouth Half marathon, and when the monies have been collected the total should amount to £75. CPO Howard (Pincher) Martin will be running in the Saltash Half marathon later in the year.

A good start, but please, more involvement from other members, is required to make our charity support this year a success.

Dusty Rhodes

Motor Neurone Disease Association

Dear Dickie

As I promised I am putting words to paper to write a small piece for the Seamaster.

On behalf of the SE Branch of the Motor Neurone Disease Association I should like to thank the seven intrepid cyclists and their back up crew who undertook the Round Britain ride. It was a tremendous effort. Thanks to all who sponsored them.

I should also like to thank everyone for the warm reception that Maureen and I were given at your annual Christmas drinks and draw for the truly magnificent cheque for £600 which was presented to us.

Three people die every day in Britain of Motor Neurone Disease.

Some are famous people like Group Captain Lord Cheshire V.C and David Niven the film actor, but most of them are ordinary people. MND is a progressive disease affecting nerve cells that control muscles so that these weaken and gradually waste away.

Some people lose the use of their arms and hands; others are paralysed from the waist down; many have difficulties swallowing and may lose their speech completely.

The money donated will help us to continue to give aid and support to our friends who have MND. In particular it will help to give them support in a more practical way by supplying much needed equipment which we hope will maintain their quality of life for a longer period than would otherwise be possible.

For instance, a Toby Churchill Lightwriter with voice synthesiser will help someone, who has been robbed of the power of speech to communicate with their loved ones. This portable machine costs approximately £800. A portable suction pump will help someone who has difficulty in swallowing and needs to get rid of saliva, this machine costs around £450.

As a result of your generous donation we have recently been able to supply one of our local patients with a lightwriter.

This has made a tremendous difference to him and his family.

Once again I should like to thank everyone who took part in the organisation, the physical side and those who sponsored so generously. Thankyou is a small enough expression but it is sincerely meant.

Yours Sincerely

Cyril Dewire

Chairman

S.E. Hants Branch

Motor Neurone DA.



LETTERS



Dear Ed Thanks for the latest edition of the Seamaster which arrived just before the recent gales and the BRAER.

The frapping lines are on, hurricane hawsers out and shore leave is cancelled;

Weapons systems (rifles, 1 shotgun, 1 nightsight and a cut left stick), in the third degree; emergency rations sampled (2 litres of Woods Rum).

Otherwise life continues in its unhurried state of semi hibernation in this distant outpost of ex TASI world. I do not expect to be at sea until early May when the early runs of salmon arrive off the coast.

Older readers may be interested to know that Cdr Rupert Craven, RN rtd, is a near neighbour of mine ex Brocklesbury and I/C TAC section HMS Vernon. I sometimes meet Jock Duncan on victualling runs to Thurso.

All the very best to you and the Association.

Yours Aye
Jeff Stanley

Dear Chief Rhodes

Thank you for your letter of explanation of this years charity support programme.

Sheffields own childrens hospital is in the midst of a huge fund raising campagne so that local support is concentrated on their efforts.

However, I do wish to be associated with anything which the ASWT's Association do and therefore enclose a cheque for £10.

I hope that this is acceptable and wish you all, every success in this years fund raising.

With kind regards
Your Aye
Peter Purkiss

Dear David (Chairman)

Please would you be kind enough to pass on my most grateful thanks to everyone who so wonderfully supported my MND Coffee Evening, the total amount of £325 was made in just one hour.

I know Pat would have been very proud and my family and myself were highly delighted

Maureen Herbert

Dear Ed

Thanks for the Seamaster and the kind offer to write a few lines. At the time of writing, things are very much in the melting pot. Since the border war has ended and the ANC are unbanned, radical change has taken place.

The main diffence budget has slashed and retrenchments have been the order of the day, alas I've been classed as "indispensable" and will have to wait out my time 3 and a 1/2 years.

I am now in the unique position of being the only overseas trained TASI left in the SAN, in fact the only "TASI", the others are retreads.

As you can see by my address I'm serving at SANAD Simonstown. I actually started here in 1980 as Production Manager and have since held posts as Inspector of Naval Ordnance, and now Technical Officer of munitions.

It is an interesting position, I've a staff of 25 civilians plus 4 uniformed members, and I run the ammunition workshops here. The job involves all aspects of ammunition, repair, preperation for issue (torps etc), destruction of u/s stocks, proof etc wrt all ammo in the depot.

Generally I've a free mandate, and can run things as I see fit, albiect within Defence Force regs.

My previous experience as a TASI torps, mines, dems etc stood me in good stead, and I found adaption no problem.

We've had a few "foreign" ships in snoekie lately, but alas no "white ensign" I hope that before I retire, we will again see the worlds best Navy here.

I think perhaps this is enough for now, I send my regards to all who read 'Seamaster' and to all at sea on the grean grinkly stuff-safe journey.

*Yours Aye
Doug Jackson*

LUCKY DIP

The destroyer concerned will not be named; the characters portrayed, if still around, will recognise themselves. The background of the story is the Battle of the Atlantic. The occasion, a single ship attacking a lurking U boat.

As the moon shone down on the smooth ocean at midnight, the Asdic operator was in firm contact. 1500 yds on the Starboard bow lay the U boat.

The enthusiastic young ASCO arrived breathless at the Bridge Hut that housed the Type 128. "How is it going?" he said as he swithed on the ATU..... at the wrong range interval. This coincided with a sudden movement of the target.

The operator quickly swithed off the ATU muttering, "Try the Recorder" undaunted, the ASCO switched on the Recorder....out of gear.

At that moment the Captain said. "I am going to attack".

Noticing no movement of the recorder, the ASCO whipped off the lid....and tore the paper.

"what is the range now" asked the Captain.

The opertor, struggling with the handwheel and the chronoscope, replied, "1300yds".

Noises from the U boat indicated more movement.

"What is the range now"

The operator had his work cut out holding the target and moving the wheel, so the ASCO grabbed the chronoscope....putting his thumb through the glass and breaking the figer.

"Range " Roared the Captain.

The experienced operator quickly estimated, "1000yds"

"Try the stopwatch" he muttered to the ASWO.

"Attacking said the captain."Standby depth charges, full pattern, set depth 400ft"

The ASWO grappled with the stopwatch for a moment. It slipped from his hand and shot into a pool of water in the bottom of the hut. If it was still working, it could not be recovered due to the dark and lack of space or time.

"What now" whispered the ASWO.

"Fire by log", replied the operator, and to the Captain, "range 300, bearing moving rapidly right".

"The log has stopped", said the ASCO

"Use the Plot", said the almost frantic operator.

"That's stopped too".

"Standby", said the operator.

"Standby", said the ASCO.

"Standby", said the Captain.

"FIRE....FIRE....FIRE...."

Minutes later the conning tower of the enemy submarine broke surface.

Later the U boat Commander stated he had been surprised at the skill with which the attack had been carried out....

Carl Hayman
"Seamaster" 2 Nov 1967

REMINDER

Please make ALL Cheque's payable

to: HMS DRYAD CENTRAL FUND

Thankyou

WHERE'S MY OPPO SERVING MEMBERS

WARRANT OFFICERS

BACON NE
BRIERLEY P
CHENNEL J
HARTLEY C D
HOOD D
O'SULLIVAN G
PREECE M
CAMBURN
KILROY
NOBLE
RODGERS

DRYAD
CINCFLEET
DRYAD
DRYAD
DRYAD
FOST
RALEIGH
DRYAD
DRYAD
CINCFLEET
FOSF

BLANCH RRI
BROTHERWOOD D C
FOSTER J
HITCHCOCK P
LOVEDAY P D
PARK C D
WILL S
HUTCHISON
NIXON
OWEN

CINCFLEET
DRYAD
CINCFLEET
FLT ENG
GIBALTAR
CINCNAVHOME
DRYAD
DRYAD
FOSF
CINCFLEET

MARTIN
NASH
RHODES
SIMPSON
STANKEVITCH
WHITE PJ

BRAVE
IRON DUKE
FOST
LANCASTER
M/MOUTH
BOXER

MOSS
PARRY
ROBERTS TG
SLATER
WALSH

C/TOWN
GIB
BEAVER
M'BROUH
DRYAD

CHIEF PETTY OFFICERS

ALLPORT T J
ASTLEY A J
BANNISTER H W
BATES MR
BAREFORD P J
BROWN T G
BUTLER J P
CRAIG RC
CHARRINGTON
CLARKE M T
COLLINS M C
DOOLER R
DUTSON
ENVY M
FORRESTER R J
GEMMILL D J
GORRINGE J M
GRAVETT A N
HUDSON A S
KAY D B
LARRATT R
LEWIS P L
MARSHALL D
McCREADY R C
NEEDHAM S E
NEWELL R J
PEARCE P M
PEARCE SS
RIGBY J W
STEVENS T C
TUCKER P
WALTON A R
WESTBROOK A G
WILLIAMS D P
YOUNG P D R
GARDINER
JONES CWE

DRYAD
FOSF SEA
RALEIGH
CINCFLEET
JAAC
JAAC
FOSF
FOST
RALEIGH
GIB
RNU
BLAZER
RNSLAM
DRYAD
NEWCASTLE
GIB
DRYAD
NORFOLK
DRYAD
CWTA
RALEIGH
DRYAD
DASHER
DRYAD
VICTORY
CWTA
DRYAD
DRYAD
DRYAD
EXETER
DRYAD
DRYAD
DRYAD
DRYAD
BRITANNIA
DRYAD
JAAC

ANTCLIFFE R A
BAKER P R
BURTON R B
BROWN A
BROMLEY J W G
EDWARDS K
CALEY H A
CUNNINGHAM
CHETWOOD
CLIPSTONE P
DAVIS A M
DREW R J
ENGLISH T
FLOWER B H
FURLONG P K
GLEAVE A E
GRAHAM
HOWES
JOINER P W
KAY J C
LENTHALL P R F
LEWIST R
MARSHALL L
MOORE A S
NELSON J
OLDREY B W
PHILLIPS W J
PROWSE B J
POWLEY M
SULLY P I
TWIST P G

FOST
CARDIFF
LONDON
LONDON
DRYAD
DRYAD
B'HAM
FOST
CINCNAV
SHEFFIELD
DRYAD
DRYAD
SIRIUS
DRYAD
DRYAD
DRYAD
DRYAD
DRYAD
DRYAD
CNOCS
YORK
DRYAD
ARGONAUT
DRYAD
BATTLEAXE
DRYAD
CINC RES
VICTORY
CHATHAM
DRYAD
DRYAD
DEF NBC

WILDE J M A
WORSEY
RIMMER R
GOLDING
LAURIE

DRYAD
DRYAD
JAAC
DRYAD
DRYAD

PETTY OFFICERS

GARDINER
ALLEN SM
ANTROBUS A S D
BAILEY A B
BAKER R F
BARRACLOUGH PA
BARRLETT-HORWOOD P
BENTING P A
BOX D J
BOYES
BURLEY R E
CHAPMAN J
CANFIELD CJ
CLARK MJ
CLARKE P H
COLLINS PJ
COUCH SR
CRISPEN A
DEAKIN MP
DINNAGE SP
DOYLE MM
EDWARDS AA
EDWARDS AD
ELLIOTT M G
ELLIOTT RE
EMMERTON D
FINN T
FLINT
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

BEAVER
SHEFFIELD
ACTIVE
AMBUSCADE
AMBUSCADE
MARLBOROUGH
IRON DUKE
DRAKE
ANDROMEDA
MARLBOROUGH
CORNWALL
DRYAD
ARK ROYAL
DRYAD
DRYAD
DRYAD
BRAWDY
DRYAD
DRYAD
DRYAD
DRYAD
ILLUSTRIOUS
DRAKE
SOUTHAMPTON
COVENTRY
WARRIOR
DRYAD
DRYAD
BRAVE
SIRIUS
COVENTRY
DRYAD
LANCASTER
DRYAD
BRILLIANT
DRYAD
NEWCASTLE
BEAVER
DRYAD
ANDROM
RALEIGH
CUMBERLAND
ARGONAUT
NOTTINGHAM

CHAPMAN
AMOS B J
AYRES A R
BAILEY K P
BALL C G
BEADLE TA
BEST A
BRETT
BURKE JJ
BURTON GR
BUCKLAND RJ

CHOATE M
CLARKE RP
CODRINGTON MB
COSH DJ
COWLEY
DAVIES CD
DEVINE PL
DODD JE
DUNN BM
EDWARDS DA
EGAN SN
EVANS TK
ELLIOTT PJ
FAIRCLIFF DW
FIRTH DJ
FORSTER
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

DRYAD
DRYAD
SIRIUS
AMAZON
DRYAD
M/MOUTH
CARDIFF
NORFOLK
RNSLAM
SIRIUS
DRYAD

ANDROM
INVINCIBLE
BRAZEN
RALEIGH
ARGONAUT
GIB
GIB
LONDON
DRYAD
CORNWALL
ARGYLL
DRYAD
CLYDE
IRON DUKE
INVINCIBLE
BOXER
DRYAD
EDINBURG
BROADSW
CUMBERL
LANCAST
DRYAD
NORFOLK
DRYAD
DRYAD
MARL'GH
RALEIGH
ACTIVE
RALEIGH
JAAC
AVENGER
BRNC
GIB

LINGER NP	LANCASTER	LITTLE DI	CHATHA	C.GLEMON	MORAY	DIZZY DENNETT	CLANFIELD
LOWDEN P	BRILLIANT	LOYNES MJ	SCYLLA	J.DUNCAN	THURO	D.EASTHAM	I.O.W.
LYMATH PJ	DRYAD	HAMMOND	R'ARTUR	P.EDGE	LEIGH PARK	TAFF EVANS	GOSPORT
LYNN HW	DRYAD	MADDISON SH	LONDON	C. FELS	SHEFFIELD	L.FORMOY	FAREHAM
MAHONEY PA	DRYAD	MAKAREWICZ RE	RALEIGH	P.FAIR	GILLINGHAM	FLORRIEFORD	PORTCH
MALCOLM JG	DRYAD	MANEELY GJ	NORFOLK	D.FRANCIS	GOSPORT	DICKIE FISHER	ST LEO'S
MANNERS DC	R'ARTHUR	MARCHANT JR	ARGYL	R.FEASEY	BOURNEMOUTH	P.GODFREY	FARLINT
MATTHEWS A	MANCH	MAULE KH	ACTIVE	P.GLADWISH	GOSPORT	JIM GREEN	NORWICH
MCCARTHY DF	GLOUC'ER	MCINTOSHNA	MANCHEST	D.BEAN	GOSPORT	S.CARRINGTON	GOSPORT
MCLEAN W	MON'MTH	MCLEOD IC	BRAWDY	P.GREEN	STAMSHAW	F. GORDON	COSHAM
MERCER IL	DRYAD	MIDDLEMAN G	DRYAD	J.HEPBURN	HAVANT	B.HEAVER	WATERLO
MILLS MS	SHEFFIELD	MINTER	ALACTRITY	S.HUGHES	TUNBRIDGE WELLS	I.HARPER	SOUTHAMC.H
MORTIMER	DRYAD	MOSS	RALEIGH	AYDON	CREDITON	T. HUNT	TAUNTON
HEALEY	DRYAD	HARTIGAN	GLASGOW	C.HATMAN BEM	WORCESTER	P.HARLING	PORTSMO
MOWAT KJ	RALEIGH	MULDOONI	LIVERPOOL	R.HAWGOOD	BRIDPORT	B.HILL	GOSPORT
MURRAY AR	RALEIGH	MYATT AJ	GIB	R.HOBDEN	TITCHFIELD	T.HOVENDEN	PURBROOK
NICHOLS NK	CAMPBELTOWN	O'BYRNE PW	CHATHAM	D.JACKSON	KOMMETJI	J.JACKSON	SOUTHSEA
O'SHEA MP	DRYAD	OGGIANO	CUMB'LADPAC	J.JERRARD	FORDINGBG.	KENNEDY	GLASGOW
KER RT	ARK ROYAL	PAGE BR	DRYAD	J.LAKE	BARROW		
PARKIN-BER. A	CAMPBELTOWN	PARRY WV	DRYAD	R.LYNN	SOUTHSEA	B.LISSAMER	FAREHAM
PEARCE SS	HASLAR	PEARSON RD	BRAZEN	D.LONG	GOSPORT	F.LE-MAGE	STORRINGGE
PHILLIPS MR	DRYAD	PINCH A	CORNWALL	M.LEGG MBE	PLYMOUTH		
PLUMB P	BEAVER	PURSLOW SP	EDINBURGH	B.LOFTUS	BEDHAMPTON	JRC LEWIS	PORTS
QUATE WT	YORK	RADFORD JW	DRYAD	H. MINCHIN	SOUTHSEA	J.MCLEOD	GLOUSTER
RAMPTON TJ	AMAZON	RICHARDSON GA	DRYAD	J.MOULSON	COWPLAIN	S.McCOMBE	GOSPORT
RICHES RN	CHATHAM	ROBERTS PN	BEAVER	JW MOTT	SOUTHAMPTON	R.MADGE	HORNDEASG.
ROBERTSON MR	DRYAD	ROLFE C	NOTTIM	McINTOSH	L.KINGWOOD	P.MEASEY	OLDHAM
ROWE SM	BOXER	ROWNTREE C	SCYLLA	G.MORRALEE	SOUTHSEA	DG MacPHERSON	GOSPORT
SADLER NB	DRAKE	SCOTTMJ	BR/DSWORD	P.NEAL	WEYMOUTH	T.NEESON	GWENT
SEARLE LP	CAMPBELTOWN	SINGH T	BIRMINGHAM	B.NICHOLS MBE/BEM	GUILFORD	PJ O'BRIAN	STOCKPOD.
SLOCOMBE D	GLASGOW	SMITH CW	COVENTRY	O'ROUKE	DUNFERMLINE	C.KENNETT	PORTLAND
SMITH NJ	BATTLEAXE	SINGLETON	NEP'NE	PETE WATFORD	COSHAM	J.SMITH	BMARYGER.
SPEIRS WR	SHEFFIELD	TATHAM KJ	DRYAD	RODAWAY	FARLINGTON	A.YATES	WEYMOUT.
TURNER DA	ARGONAUT	PRITCHET J	INVINC	R.PATON	STUBBINGTON	T.PHILLIPS	BEDHAMPTN.
TYLER DP	IRON DUKE	UNDERDOWN NR	ARGYLL	PLUMRIDGE	COSHAM	A.PORDAGE	FAVSHAM
UNDERWOOD RM	GIB	WATTERS NJ	ARROW	D.PIERCE	NOTTINGHAM		
WELSH SA	EXETER	WHALLEYGN	SOUTHAM	B.PRICE	LEE ON SOLENT	PB PURKISS	SHEFFIELD
WHITE MF	DRYAD	WHITTY TF	BOXER	F.QUAIN	GOSPORT	A.QUARTERMAINE	B'BRY
WILLIAMS IS	DRYAD	WILSONKE	LIVERPOOL	C.RICHARDSON	PAULSGROVE	T.ROWE	GOSPORT
WINGAR AP	R'ARTHUR	WOODS G	NELSON	J.REEDY	DRAYTON	L.RISHMAN	BOGNOR/R
WOODS NP	CARDIFF	WRIGHT D	SIRIU	RJ RANDELL	SANDERSTEAD	R.ROBERTS	GOSPORT
YATES SK	ALAGRITY	WEATHERLEY	BEAVER	L.RIDGEWAY	REDCAR	D.SARSONS	DENMEAD
BUTLER	DRYAD	BUCKERFIELD	DRAKE	B.SOMERTON	DENMEAD	R.STRINGER	FRATTON
				S.SNELLING	CATHERINGTON	C.SOLE	GOSPORT
				M.SARGEANT	TORPOINT	P.SOWDON	DOVER
				R.SINGLETON	CHEDDESON	D.SWANN	SWANAGE
				J.STANLEY	SUTHERLAND	J.SHEPERD	PORCHEST
				NM SHOULS	LEE ON SOLENT	R.THOMPSON	ALVERSTO
				R.TAYLOR	SOUTHPORT	R.TOWNLEY	COSHAM
				T.TEMPLETON	MANCHESTER	K.THOMAS	WATERLOF.T
				HORPE	GIROBY	M.TRENGOVE	POOLE
				B.TRAVIS	SITTINGBOURNE	RJ WARD	WATERLOK
				WALK	PAULSGROVE	W.WRAITH	PURBROOK W
				HITEHEAD	WATERLOOVILLE	M.WORSEY	SEMITONS.
				WRIGHT	SOUTH LANCING	P.WRATTEN	WOKINGH
				C.WYNN	GOSPORT	MT WRIGHT	BELPER
				MO WILLIAMS	PLYMOUTH	B.WEST	CWMLLYN

EX SERVING MEMBERS

JOHN ADAMS	WATERLOOVILLE	DERBY ALLEN	WVLE
JOHN ALSOP	GOSPORT	J.ASTON BEM	H'DEAN
GEOFF ASHTON	SHROPSHIRE	WT ALLAN	PLYMOUTH
RG ARMSRONG	IVER(BUCKS)	A. ARMSTRONG	GLASGOW
R J AYLING	BOGNOR		
D.ANDERSON	NEWPORT(GWENT)	F. BROMFIELD	FAREHAM
D. BEKKER	DRAYTON	E. BOWERS	COWLINGE
P.BRYNE	BANCHORY	G. BRADBURY	FAREHAM
RG BROWN	SOUTHSEA	J.CALAM	FAREHAM
P.CASS	KENT	B.CHERRY	KINTBURY
R.COUNSELL	LOVEDEAN	JEFF CLEARY	COSHAM

S.WATSON
B.WILLIAMS

LEE ON SOLENT
I.O.W.

S.WRIGHT
A.WAKEFORD

29
GOSPORT
DRAYTON



LET YOUR FINGERS DO THE TALKING

DRYAD

WO CHENNEL	4669
PO (S) C.OFFICE	4647
PLANNING	4320
TASK BOOKS	4496
OG	4535
ED	4647

FOSF

WO RODGERS	Ports	825510
WO NIXON	Ply	53737
WO HITCHCOCK	Ports	822351 ext: 25492

CENTURION

OFFICER	2453
POWTR	2441

JAAC

From Ports	118877241
From Ply	975887724
Training	2218/2221
Pubs	2178
Analysis	2136/2127



PORTLAND

OPS Room	2358
ACTIVE/PASSIVE	2348

NORTHWOOD

TA CELL	5132
WO OWEN	7434

ED: IF YOU WOULD LIKE TO BE ADDED TO THIS LIST
PLEASE DROP ME A LINE.

SCRABBLE

RAMS SOLUTION BY JUDD

K ₄	A ₁	R ₁	T ₁	S ₁			RACK 1 =	14
O ₁	B ₁	E ₁	Y ₄	E ₁	D ₂		RACK 2 =	16
M ₂	E ₁	A ₁	T ₁	I ₁	E ₁	R ₁	RACK 3 =	59
C ₂	R ₁	E ₁	A ₁	M ₁	E ₁	R ₁	RACK 4 =	83
F ₂	O ₁	U ₁	N ₁	D ₂	R ₁	Y ₄	RACK 5 =	64

PAR SCORE 145-158

JUDD'S TOTAL 238

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Summit

4	+	8	x	2	24
6	x	5	-	9	21
3	-	1	+	7	9
					54

DINGBAT SOLUTIONS

1. The Pen is mightier than the SWORD
2. 4 Sheets to the Wind
3. Life in the Fast Lane

HAPPY EASTER