

# ARL NEWS



· DECEMBER · 1966 ·

No.1



· FOR ARL STAFF ONLY ·

SOCIETIES, CLUBS AND ASSOCIATIONS

Your C.S.C.A.

Hon. Branch Sec. Tedd.  
Norman W. Ferguson,  
Stores Office,  
Ex. 24.

C.S.B.F. (Benevolent Fund)

Mr. C. J. Borrill,  
Sec. Kingston Local Committee  
of Civil Service Benevolent  
Fund,  
G Group, U/L Ex. 7.

C.S.S.G. (Sanatorium Soc.)

Treasurer,  
Mr. E. R. Holly,  
Stores Office, A.R.L.  
Ex. 23.

N.P.L. Music Society

Sec. G. Cumming,  
A.R.L. Maths Group,  
Ex. 2.

H.S.A.

Sec. Sister Hammett,  
Room 28,  
Ex. 300.

N.P.L. Sports Club

A.R.L. Rep. G. P. Barlow  
Ex. 33

A.R.L. (Stanton Cup R. Wilson  
Convenor) Ex. 21.

The Rose Society

Sec. Mr. Leniham, U/L G Group.

United Kingdom Civil Service  
Benefit Society

Local Sec.  
Mr. J. Gleeson, Stores Office,  
Ex. 24.

Upper Lodge Club

Sec. E. J. Clement  
Group D, Ex. 79.

Motoring Association

Mr. Redmayne,  
Workshop, Ex. 225.

Would the Secretaries and representatives of any other groups or associations who would like to be included in future editions please notify Mrs. P. Ward, C Group, Ex. 28.

INTRODUCTION

It is with the greatest pleasure that I introduce to you this first number of the A.R.L. News.

The dispersion of the members of the staff of the laboratory in location and type of work has inherently a number of disadvantages: I hope that this new publication will help to minimise these and foster amongst us a sense of unity of interest, of purpose and of endeavour.



If, through this medium, we can in a small way achieve a greater understanding of who we are, where we work and what we do and develop a fuller appreciation of each others problems and achievements, then I am certain this new venture will prove to have been very well worthwhile.

*W. B. Stewart*

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The Editor is grateful for the assistance given in compiling and printing this publication by Mrs. Ward, Messrs. Merriweather, Norman, Holt, Pulestone, Redmayne, Filsell and others not forgetting the part played by the Typing Pool, Print Room and Drawing Office.

## E D I T O R I A L

This being our first issue of A.R.L. News the Editorial Board and myself know that you will make allowances for anything that has not turned out just right. Doing a job like this makes one appreciate some of the difficulties of the publishing trade.

The A.R.L. News is intended to be both informative and interesting. It aims to cater for a readership with a fairly wide difference in training - from Professor Maths to Mrs. Mopp - but with a common interest in A.R.L. It is not intended to replace staff association, union, or social club news letters which, of course, are a matter for the parties concerned.

The success of this venture is going to depend to a large extent on the regular supply of contributions, so you, the readers, are asked to put pen to paper and provide a steady flow of articles, etc. In particular we need articles with an A.R.L. interest and/or a scientific flavour. A few articles have regrettably been carried over to the next issue but we need more.

Two side effects have already become obvious in preparing the way for this first issue. One is that the existence of our outstations, their staffs and functions, are likely to become better known to those at Teddington. The other is that the A.R.L. News should stimulate interest in social and other extra-mural activities amongst A.R.L. staffs.

Letters to the Editor, either for publication or just giving your views and suggestions on the A.R.L. News itself are welcomed.

J. R. Gibb

W H O G O E S W H E R E ?

(since September 1966)

ARRIVALS

<u>Name</u>	<u>Grade</u>	<u>Group</u>
R.F. Brebner	T/Draughtsman	D.O.
K. Bradley	Retg. Draughtsman	D.O. (from Workshop A.R.L.)
H.W. Andrews	Exp. Officer	L (from D.O., AEW Byfleet)
R. de B. May	Sen. Artificer	E (from W. Drayton)
K. Strickland	T. Sci. Asst.	L
Mrs. A.M. Hamilton	Ty. Tracer	A.H-B.R.E.
D.T. Honey	T. Sci. Asst.	L
R.H.L. Catt	T. Sci. Asst.	M
Dr. J. Peters	S.S.O.	R.R.A. Derby (from S.E.R.L. Baldock, via Greenwich Coll.)
J.C. Long	T/Photog.	E(Photo)
R.A.G. Seabrook	T. Sci. Asst.	C
Miss M. Hopgood	T. Sci. Asst.	M
M. Buzwell	T. Sci. Asst.	M
R.J. Miles	Psychologist	A.P.U.
A. Weed	Stores Asst.	Stores
P.J. Sibley	Labourer (Junior)	Workshop
A. Stewart-Williams	Porter	Workshop
R.L. Hearn	Porter	Old Building
J.J. Hodges	Stores Asst.	Stores

CONGRATULATIONS TO

P.W. Jackson	Sc. Asst. now AEO	M
K. Bradley	Apprentice to Draughtsman	D.O.
E. Stevens	Sen. Asst. Sci.	Imperial Service Medal

Mr. Stevens was presented with the I.S.M. by the Superintendent in the presence of colleagues. He has recently formally retired after 27 years service and continues employment in a disestablished capacity.

## IONISED AIR

An item of news comparable to "Man bites dog" has so far escaped the National Press. In a certain Admiralty Dept. the Staff have officially complained of feeling sleepy in the afternoon! Official correspondence appears under the heading of "3 o'clock yawns".

This symptom has been known to the writer for many years but no previous occasion can be recalled when the Official Side have been asked to do something about it. The long term cause has usually been ascribed to anno domini and the short term to the night before. In this case, however, it is suggested that the effect might be brought about not by "Bad Air" but by air which is "Not Good".

A.R.L. have come into the picture because someone has injected into the official correspondence, an article from Reader's Digest. This is a review in somewhat popular language of the alleged effects of breathing "ionised Air".

This theme has a widespread and profitable interest in the U.S. Recently the B.B.C., in a sound broadcast, mentioned the marketing in this country of a relatively inexpensive device (of U.S. origin). It is claimed that this injects negative ions into the air, to the benefit of the inhalers.

Representatives of A.R.L. in company with Medical Officers from the R.N. Medical School Alverstoke, visited the Establishment in question and from a rapid survey have come to certain tentative conclusions. So far as "Ionised Air" is concerned A.R.L. hold an open mind until asked to carry out detailed measurements.

During the last thirty years there has been a host of references in most countries to the biological effects of ions. Unfortunately most of these relate to effect and are sadly lacking in regard to the details of the apparatus used and the nature and size of the ion.



The usual methods employed to produce unipolar ions involve the initial production of ion pairs by ultraviolet, gamma or some other such photon ionising source. A rather different process depends on the point source discharge. Ion pairs produced by these methods are then separated, by collection of one or other of the pair members depending on the polarity of the required result.



"Californian Smog under an inversion over San Jose"  
(The Coastal Mountain Range in the background shows the peaks above the inversion)

It is strange that more attention has not been paid to the better known processes, which result from the photochemistry of air impurities. Most people must be aware that all urban air is contaminated with hydrocarbons to a greater or lesser extent and with sulphur dioxide only just below toxic concentration. When the latter is exposed to U.V. (2857 A.U.) it is oxidised to minute droplets of 40% sulphuric acid. As a result a



gas/aerosol mixture is produced which has an augmented toxic effect. It is probably equally well known that the characteristic smell (apart from hot Shellac) associated with electric machines is either ozone or oxides nitrogen, or both. Ozone is also produced by U.V.1849 A.U.

By itself ozone is toxic. Under U.V. in company with unsaturated (olefinic) hydrocarbons (for example automobile exhaust) ozone enters into the Hagan Smit reaction to produce the Los Angeles (and San Francisco) type of smog.

Until the effects of such possibilities are elucidated, it is difficult to attach any significance to the biological effects claimed to be due to ionised air of either polarity. Quoting Dr. Bernard Steigerwald of the U.S. Public Health Service:

"Experiments which have demonstrated a specific biological effect due to air ions, generally do not remain definite under critical review by other experimental physiologists. However, it is difficult to ignore the clinical success claimed for ion therapy and the conviction of many experienced physiologists that air ions do have biological effects. More well-controlled biological experiments are necessary to resolve the debates."

If such work is ever undertaken, the techniques developed at A.R.L. should prove invaluable in separating different (statistical) sized groups of particles in the range from the molecular to the visible.

A. E. Caswell

C U T S   B Y   T H E   S C O R E

The following notes were made by an Organisation and Methods expert after attending a concert in the Royal Festival Hall:

For considerable periods the four oboe players had nothing to do. The numbers should be reduced and the work spread more evenly over the whole of the concert, thus eliminating peaks of activity.

All the twelve first violins were playing identical notes. This seems unnecessary duplication. The staff of this section should be drastically cut- if a large volume of sound is required it could be obtained by means of electronic amplifier apparatus.

Much effort was absorbed in the playing of demi-semi-quavers. This seems an excessive refinement. It is recommended that all notes should be rounded up to the nearest semi-quaver. If this were done, it would be possible to use trainees and lower-grade operatives more extensively.

There seems to be too much repetition of some musical passages. Scores should be drastically pruned. No useful purpose is served by repeating on the horns a passage which has already been handled by the strings. It is estimated that if all redundant passages were eliminated, the whole concert time of two hours could be reduced to twenty minutes, and there would be no need for an interval.

The conductor agrees with these recommendations, but expresses the opinion that there might be some falling of in box-office receipts. In that unlikely event it would be possible to close sections of the auditorium entirely, with a consequential saving of overhead expenses - lighting, attendants, etc. Alternatively the whole project could be abandoned.

## D A R T S

### Inter-Group Knock-out Competition

A suggestion has been put forward that this would be a good start to kindle the social atmosphere that was so much in evidence in the old days.

It is difficult to put a finger on the cause of the decline in social activities amongst staffs, but once it is acknowledged efforts can and should be made to put things right.

The competition suggested would be interesting, amusing and very conducive to good feeling.

It would take the form of Teams of 6 or 8 competing in a "Knock out" Tournament between Groups, Workshop, Stores, Admin. Cash Office, Patrolmen, Porters, etc.

The games to consist of "Pairs", "Threes" and "Main" i.e. Say there were 6 in the teams 3 pairs of each team would play each other. So also for the "Threes" or "Fours", half of each team would compete with each other. Then the match proper. This could be played for 3 games of 1001 up or 1 game of 5001 up.

The Landlord of the Railway Hotel (outside the Station) is willing to accommodate us on Wednesdays from 5.30 onwards.

He will, with short notice, provide at moderate cost refreshments (eats!!)

These matches, if desired by the majority, need not be late in starting and of course would not entail any travelling to awkward rendezvous.

If you are interested in joining us will you send your name and the Group you would play for - and any suggestions re times of matches - to Mr. N. W. Ferguson, Stores Office.

The awarding of a trophy or trophies is under consideration.

#### P O S T E R   C O M P E T I T I O N

All A.R.L. staff are eligible to compete in the M.O.D. Poster Competition which closes mid-January 1967. The Poster should publicise the Suggestions Scheme and prizes of £15, £10 and £5 for every design used, are being awarded.

Artistic ability is not essential - its the idea that counts.

Full details of the Poster Scheme and of the Suggestions Scheme (which is always open) can be obtained from your Group Clerk or from Admin.

#### D I N N E R   A N D   D A N C E

The Annual Dinner and Dance will be held at the Feltham Hotel, Feltham, Middlesex on Saturday, 10th December, 1966.

Price 32/6 Ticket - Dress optional

Tickets and further information can be obtained from

Mrs. A. G. Bird	Supts. Office
Mrs. G. Joss	Library
Mr. G. B. Holt	Admin.
Mr. E. Pulestone	- Photographic Section

THE COMPENSATIONS OF WORK  
IN A SCOTTISH OUT-STATION

Londoners are sometimes said to believe that north of Bedford there is only wild and uncivilised country where no one would live or work if he (or she) could possibly avoid it. As one born in East Anglia, who only arrived in the metropolis a little later in life, this was not a point of view to which I could subscribe. Furthermore, my many duty visits to Scotland during and after the war, had accustomed me to the more northern parts of these islands.

My banishment to the Clyde area in 1950 to try and make something of the very newly formed A.H-B.R.E. (of which many of you will probably never have heard) was not therefore such an appalling shock as it might have been to a more "dyed-in-the-wool" southerner. I had, however, a good many years at A.R.L. and of living on the outskirts of London, so I am in a good position to weigh the relative merits of employment in an out-station in the "wilds of Scotland", against those of similar duties at a larger Establishment in the south.

I will deal first with some of the disadvantages which have probably never occurred to you and some that probably have. If, like me, you take your holidays in the sunny southern parts of Europe, life in Scotland will mean that you have to add an additional 1,000 miles of travel to an already long trip. If instead of driving your own car you take to the air, it will cost you an additional £18 return for yourself and the same again for your wife and for any other member of your family. I wonder if the I.P.C.S. take this into account when they negotiate the London rate. The other disadvantages of this part of Scotland are the rain and the midges.

The rainfall in the West of Scotland is roughly three times that of the London area and sometimes seems more. The midges will infest your garden from early May until October making gardening almost impossible. Perhaps this should be listed under

advantages. Another disadvantage or advantage, according to your viewpoint, of this particular part of the West Highlands is that the only television available is B.B.C.1. B.B.C.2 and I.T.V. have not yet found the energy to travel beyond the local mountains. There is no reduction in licence fee either.

But now let us come to the solid advantages of life so far away from London. The air is fresh and clean and unpolluted by smoke. If you redecorate your house, in five years time it will be pretty well as clean as when you laid the paint on. Your wife need not wash the curtains more than once a year, if that. One can still enjoy driving a car, although in the summer the English tourists crawling along the glens and loch-sides gapeing at the scenery can be rather trying. On my seven mile daily drive to the Establishment I see a few cars in the local town but after that I am more likely to be held up by a flock of sheep or a fall of snow than by another car. But these are advantages of the place as a whole and not of an out-station in particular.

Just imagine your Accounts Officer handing out money to help to pay the cost of your travel to work. I regret, however, that he is mean enough to put down any assisted travel payments on your Income Tax Return. And could I also just whisper that there are some advantages in having Headquarters nearly 500 miles away. These advantages are, however, insignificant in comparison with one great feature of life at A.H-B.R.E. In the London area Scientific Officers and Experimental Officers have to soil their hands and experience the tedium of doing their own experimental work. This is because Scientific Assistants are few and are hoarded like gold. But at A.H-B.R.E. every Experimental Officer has a retinue of Assistants to wait upon his every whim. They do all that trying work that is necessary before answers can be derived from even the most sophisticated research programme. At A.H-B.R.E. also most Scientific Assistants are so carefully selected that they move inexorably upward into the ranks of the Experimental Officers and beyond. And of course Scientific Officers at A.H-B.R.E. move in a rarified atmosphere completely unknown at A.R.L.

To stimulate interest in the first issue of A.R.L. NEWS, a member of the staff who wishes to remain anonymous sets the following problem:-

Prove that if  $n$  is any positive integer and  $a$  has any value, then the coefficient of  $x^n$  in the Maclaurin expansion of

$$\exp \left[ a \sum_{s=1}^n \frac{n(s-a)^{s-1} - a^s}{s! s} x^s \right]$$

vanishes.

This problem has the merit of requiring only techniques which are used in the work of A.R.L. Although this result is useless, the methods of proving it are not.

A prize of five pounds is offered by the contributor for the first correct proof received by the editor within two weeks of the date of issue. At the expiry of this time a proof will be provided on application to the editor.

N.P.L. S P O R T S C L U B B O W L S S E C T I O N

Two of A.R.L. staff were in the final round of the Pairs Competition.

T. Jameson, A.R.L. ) (R. Wilson, A.R.L.  
F. Earl, N.P.L. ) v. (T. Nurse, N.C.L.

Scores 21 shots - 19 shots



Surprising as it may seem we still have vacancies for Experimental Officers at A.H-B.R.E., Glen Fruin. Applicants for transfer from A.R.L. should form a queue outside the Superintendent's office. (Advert).

J.W. N.  
A.H-B.R.E.,  
Glen Fruin.

T H E A T R E C L U B

It has been suggested that we might form a Theatre Club to take in, say two or three trips to the theatre per year. This can only be successful if enough people are interested; perhaps you may only want to attend one performance but this will be acceptable and suggestions will be accepted as to where and when, if enough enquiries are received we will consider sending round a form to the interested parties with perhaps three or four possible shows on it asking you to select one, and then we can book up the most popular.

Transport will also be considered.

Comment, enquiries and suggestions may be forwarded in writing to - Mrs. D. Tedrekin, E Group.

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Do you know that you might be breaking the law if you do watch repairing as a hobby?

See D.C.I. RN (U) 1301/66 for the full story.

Letter to the Editor

Dear Sir,

I often wonder when reading the RNSS Journal whether A.R.L. is in fact an Admiralty Establishment. In every edition news is given of AEW, AML, ASWE, AUWE, SERL and often news from the other small establishments. There have been very few comments from A.R.L. in 'Notes and News' in the last six years. Several notes on Dr. Good's work appeared in the early 1960s and also some on A. B. Wood, but since then, practically nothing.

We do have plenty of visitors, open days, Naval Instruction courses, etc. - our Scientific Staff do visit America and European countries and often read papers abroad, but this information is never reported in the RNSS Journal.

The A.R.L. News is a step in the right direction to let the members of the laboratory know what's going on, but can we not also let the rest of the RNSS know that we do exist and that we do have some contact with the outside world.

P. A. CHING, L Group

W E L L B L O W M E D O W N !

The following are the Constituents of Sea Water

Arsenic, Aluminium, Bromine, Barium, Boron,  
Chlorine, Copper, Calcium, Carbon, Cerium,  
Fluorine, Gold, Iodine, Iron, Lithium, Lead,  
Lanthanium, Magnesium, Manganese, Mercury,  
Nitrogen, Nickel, Potassium, Phosphorus, Rubidium,  
Radium, Sodium, Sulphur, Strontium, Silicon,  
Silencum, Silver, Scandium, Thorium, Vanadium,  
Yttrium, Zinc.

- and I suppose anything further must be water.

## MODEL ENGINES

I was approached by Mr. Peter Redmayne about the new Magazine which the staff wish to publish for internal circulation and knowing I have built several models and, which is rather important made them go, he thought perhaps I could write an article briefly covering this interesting hobby. Perhaps how this all came about, might interest others. To make a start, and give a bit of interest to the job, my life's engineering history must be revealed, and come to think of it, how little in this establishment do we know of each other, and what life has been for us. I was apprenticed to a small engineering concern at Cobham, Surrey, and which was my home. The work was general, and part of it started my life long interest in engines, but at the time I did not know it. This was the repair and maintenance of heavy gas engines used for generating electricity, for lighting country houses, and during this period I built my first model steam engine. It was in general a mill engine with a horizontal boiler, spirit fired. Everything was made from scrap, and the flywheel was cast in lead. By the way, the scrap heap, has been my source of supply for raw materials, for all my models. Reverting to this model, I shall never forget the first time I lit up. I did not know what to think, would it, or not, respond, and then as pressure rose, it came to life, giving me a thrill I have never experienced on any later engines on first tryout. To think that I, by combining heat, water and metal, with the right know how, and with my hands I had created power, something that worked without any assistance from any other human being. You must remember, at this time, my knowledge of the working of the slide valve was very limited. Books on the subject were rare in those days, but I got it right, and the engine, with all its faults being a first one, ran very well indeed.

So much for number one, and now this was about the time my apprenticeship was finished, and I must strike out for more experiences, which I did by going to Guildford and got fixed up with Dennis Bros., fire engine makers. I was only there a few months, for some reason I could not settle down, although my

landlady had three daughters. This meant moving again, which I did and came to Twickenham and got employment with a small electrical firm, who made a mixture of small engines, dynamos, wireless instruments etc. and this made this job very interesting to me, and at the same time I learnt a lot, the money was not great, but I lived, and life was pleasant. This job lasted till the 1914 war started, and up till that time I only built one really good engine, and this was a vertical steam marine engine, single cylinder and reverseable, and it really looked a nice job. A few years later I sold it to a friend of mine, who was Captain of a tramp steamer, and his voyages lasted about two years before coming back to home port.

The start of the 1914/1918 war ended one chapter in my life and I hope to tell you more later.

Christopher Charles Harding,  
Lab. Mechanic

A.R.L. ANNUAL CHILDREN'S PARTY

The A.R.L. children's party this winter will be on 28th January in Glazebrook Hall, commencing at 2.45 p.m. The children and grandchildren, from four to twelve years old, of all A.R.L. employees are invited.

Each year this event is organised by a small committee, currently under the chairmanship of Bob Wilson, Group 'C'. The party is financed mainly by an annual dance, which this year was held on 12th November in Glazebrook Hall. Additional funds are provided by a raffle held within A.R.L. and by a small contribution from the parent or sponsor of each child.

Entertainment planned for the children this year includes games and side-shows, film and stage events and, of course, food.

P A S S F R I E N D

Your pass is your permit, to get into work,  
And your job to show it, you should not shirk.  
The rules are laid down, plain and clear  
And to them, always, you should adhere  
Each time you enter, it must be shown  
Even though you are quite well known  
The man on the gate, will thank you, no doubt  
He's there for a purpose, not hanging about  
If he should ask you to show your pass  
Don't pass him by, and stare at the grass.  
You know the rules, and so does he  
It can all be done so peacefully  
Show your pass, and come right in  
It aint no crime, it aint no sin.

Thank you.

ALL'S WELL

A P H I L O S O P H Y

A little more kindness, a little less creed:  
A little more giving, a little less greed:  
A little more smile, a little less frown:  
A little less kicking a man when he's down:  
A little more We, a little less I:  
A little more laugh, a little less cry:  
A little more flowers on the pathway of life:  
And fewer on graves at the end of the strife.

Author unknown.

S M I T H, J O N E S a n d R O B I N S O N

On a train were a Guard, Fireman and Driver named SMITH, JONES and ROBINSON - but not respectively.

Also on the train were 3 passengers named, Mr. SMITH, Mr. JONES and Mr. ROBINSON.

The GUARD lived  $\frac{1}{2}$  way between LEEDS and SHEFFIELD.  
The GUARD'S namesake lived at Sheffield.  
Mr. ROBINSON lived at LEEDS.

The GUARD'S nearest neighbour - who was one of the passengers, earned exactly 3 times as much as the GUARD.

Mr. JONES' salary was £100.2.1. p.m.

SMITH could beat the FIREMAN at billiards.

WHAT WAS THE DRIVER'S NAME?

Solution in next issue.

U P P E R L O D G E C L U B

Secretary: E. J. Clement (Group 'D', Upper Lodge)

Membership (6d. per month) is open to all A.R.L. and M.P.B.W. staff.

Facilities for table tennis, snooker, billiards, bar-billiards, darts, cards and other games are available in the Games Hut every lunch-hour.

In the Winter months several informal games evenings are arranged, when drinks and light refreshments are available and Visitors Passes can be obtained.

"S U E"

Upper Lodge has a character probably little known to most people at A.R.L., Queens Road. But to many of us who work in the park half of our establishment "Sue" the swan cannot be ignored.

When you arrive at the lower of our two ponds, Sue will be somewhere in the vicinity. She always has a wary eye for visitors, this could mean "meat" if not drink to her. When she glides up to you, you can see her look of expectation which you find hard to resist. This has you searching in your pockets in no time.

In her more adventurous days she would wander around the establishment.

By coincidence, this would bring her near to the canteen. Here, the ladies of that time although busy with their culinary duties would stop and suitably reward her with some tit-bit.

Rumour has it that some years ago in some remarkable manner she entered a certain part of the premises which had a beautiful arc of water. Probably, with a change of residence in mind she surveyed this highly desirable abode with the eye of a connoisseur. But alas, unfortunately for her, her dreams were rudely shattered by the arrival of some personnel who promptly shewed her the "front door".

I must explain the reason for her continued stay with us before I conclude. This is because of a broken wing sustained years ago, and so, for her own safety she is allowed to stay at Upper Lodge.

A. LOVE



## WHAT IS I.C.D.S.

The Industrial Civil Defence Service is an organisation whose main pre-occupation is the safety in peace, as well as war, of the establishment where it is formed.

It is organised on the same lines as the Civil Defence Corps and can wear the same uniform but is controlled, in our case by M.O.D. Navy Department through Dockyard areas.

There are 4 sections, Rescue, Fire, First Aid and Wardens.

The Rescue Section are trained to do most types of rescue work, anything from removing someone from under a car to removing a collapsed building to find anyone trapped inside (M.P.B.W. please note, we hav'nt had the opportunity to try the latter, YET!).

The Fire Guard section know how to handle all types of hand fire extinguishers (do you?) and also how to use the hoses in those large red boxes scattered all over the place, so if you have a fire keep it going until we get there.

One of these days we may even have an alarm system so that we will know when you have your fire, at the moment we wait for the smoke. Heavy smokers beware.

The First Aid Section treat your injuries after the other two have got you out from your fire or under your wall. Even if you did'nt need treatment before they arrived you will when they have finished.

The Warden Section tell everyone what they are supposed to do, they are our contact with the public, you shower, and also co-ordinate the 'Life Saving Forces'.

As well as all this in the establishment, the I.C.D.S. can

be called upon to assist the Civil Defence Corps when someone else's wall falls down or suchlike, so as you can see we are kept busy, or can be if anything should happen.

If you want to know more of what we do please contact either the undersigned at Upper Lodge, the 30" Water Tunnel is my usual hideout or any member of the section who will be only too pleased to tell you how hard we work.

One other thing, all sections are taught First Aid, one of the most useful things to know, especially if you are a motorist.

ALAN PETERS  
Civil Defence Officer

#### U P P E R L O D G E

The exact date of the building of Upper Lodge appears to be lost in obscurity, but history tells it was in existence in the year 1741. It must have been a very impressive scene, this fine mansion surrounded by well kept gardens and the Longford river running through its grounds. The whole surrounded by common land which reached from Kingston to Hounslow and from Twickenham to Hampton Court; in fact this common land included Hounslow Heath of highwayman fame. It may not be generally known that the Longford river is not a natural river, but that its bed was excavated in the reign of Charles I in the years 1639/40, so that the river was there long before the house.

This house was the home of the Paget family. Lord & Lady Alfred Paget were personal friends of Royalty and their daughter Lady Evelyn Paget was a Maid of Honour to Queen Victoria for twenty years. On her death in the year 1894 Her Majesty Queen Victoria sent a wreath to her funeral with a personal message in her own handwriting. Another wreath was also sent by Her Royal Highness the Princess of Wales (who was later Queen Alexandra).

For the next twenty years there is little to note in the history of Upper Lodge until we come to the period of the first World War; then a number of wooden buildings were constructed in its grounds and it became the Kings Canadian Hospital. It was a common sight in the park to see those patients who were able playing baseball. A grim reminder of this period is a number of graves in St. James's Churchyard with the Maple Leaf on their tombstone, evidence of the soldiers they failed to cure.

After the 1914/18 war the property fell into the hands of the L.C.C. and it became known as the Kings Canadian Camp School, a centre for undernourished children from the East End of London. Again if one strolled through the park it would be possible on a fine day to see these children taking their lessons in the open in the pleasant surrounds of the park.

This ended in the early 1930s and the premises remained empty until the last war when it was occupied by the American forces. After the war it was taken over by A.R.L. and has been in their hands ever since. Now the ordinary citizen strolling through the park can only glimpse an odd chimney pot or two, the whole house being completely shrouded by ugly buildings.

E. THORPE

OFFICE RULES IN ROYAL NAVAL  
VICTUALLING YARD  
OVER 100 YEARS AGO

1. Godliness, Cleanliness and Punctuality are the necessities of good business.
2. Hours of attendance have been reduced - clerical staff will now only have to be present between the hours of 7 a.m. and 6 p.m. on weekdays. The Sabbath is for workship, but should any man-of-war or other vessel require victualling, the clerical staff will work on the Sabbath.

3. Daily prayers will be held each morning in the main office. The clerical staff will be present.
4. Clothing must be of a sober nature. The clerical staff will not disport themselves in raiment of bright colours, nor will they wear hose unless in good repair. Overshoes and top-coats may not be worn in the office, but neck scarves and headwear may be worn in inclement weather.
5. A store is provided for the benefit of the clerical staff. Coal and wood must be kept in the Locker. It is recommended that each member of the clerical staff bring four pounds of coal each day during cold weather.
6. No member of the clerical staff may leave the room without permission from Mr. . . . . The calls of nature are permitted, and the clerical staff may use the garden below the second gate. This area must be kept in good order.
7. No talking is allowed during business hours.
8. The craving for tobacco, wines or spirits is a human weakness, and as such is forbidden to all members of the clerical staff.
9. Now that the hours of business have been drastically reduced, the partaking of food is allowed between 11.30 a.m. and noon but work will not on any account cease.
10. Members of the staff will provide their own pens. A new sharpener is available on application.

The generosity of the new Labour Laws is hereby recognised, but a great rise in the output of work to compensate for these near Utopian conditions is expected.

Ed. note. I wonder what a lecture on O & M sounded like in those days. Anyone like to write a short resume of such a lecture?

P. WARD, Group C.

R.N.S.S. CRAFT APPRENTICE  
TRAINING SCHEME. AWARDS



On Wednesday, 19th October, 1966, Superintendent presented Mr. P. J. Campbell (5th year) with a prize awarded to the A.R.L. apprentice with the best academic and practical attainment over the year. Also on this occasion, in accordance with ancient custom, Messrs. T. D. Ford and K. Bradley were presented with Certificates of Indenture on the successful completion of their apprenticeships.

It may be part of the Naval tradition of "silent service", for the training given to these lads to be taken for granted. They are however, fortunate in having instructors of the highest quality to guide them. It gave these instructors and others of the Workshop, Technical and Drawing Office staffs who were present at the ceremony, much satisfaction to know that the present generation of apprentices is maintaining the high standards that are expected, almost as a matter of course, from lads trained in A.R.L.

S. FIELD

W H O G O E S W H E R E ? (cont'd)  
DEPARTURES

<u>Name</u>	<u>Grade</u>	<u>Group</u>	<u>To</u>
D.L. Ryall	P.S.O.	G	R.N. College, Greenwich
T.G. Weale	P.S.O.	M	D.Q.A.E., W. Byfleet
D.M. Coffey	T/S.O.	C	Resigned
L. Lavender	E.O.	C	D.O.A.E., W. Byfleet
R.M. Joyner	T.Sci. Asst.	G	Resigned
A.C. Grove	T/S.O.	G	Resigned
R.J. Vickers	T/D'man	D/O	Resigned
D.G. Cumming	T/A.E.O.	M	Resigned
A. Gardner	Psychologist	A.P.U.	Transfer to S.P.(N)
Miss J.P. Tytler	C.A.	AHBRE	Resigns
L. Watson	E.O.	E	Retires
R.G. Tindall	Patrolman	Admin	Retired
F. Docking	Patrolmen	AES(P)	Retired
Mrs.V. Brown	Cleaner P/T	Admin	Resigned
Mrs. M.B. Chapman	Cleaner P/T	Admin	Resigned
Mr. J.P.Paine	T/C.A.	A/cs	Retired
Mr. C.J.W. Sansom	A.A.O.	A/cs	Retired

