

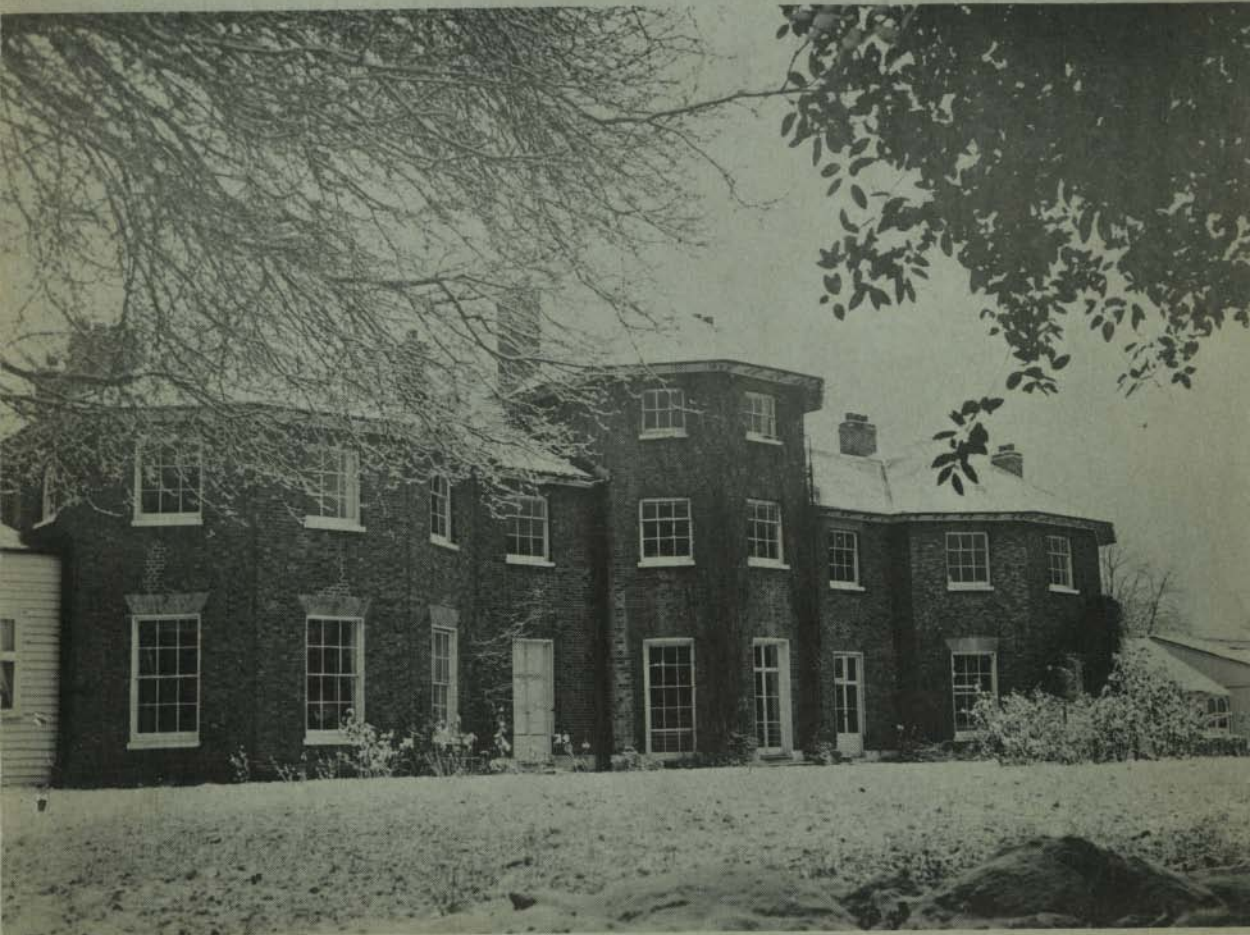
# ARL

# NEWS



JANUARY 1968

No. 7



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,  
Admin.

N.P.L. Music Society

Mr. K. Ellis,  
A.P.U. U/L Room 444, Ex. 45.

H.S.A.

Sec. Sister Hamnett,  
Room 28, Ex. 300

C.S. Sailing Assn.

Admiralty Link,  
H.C.W. Meyer, Room 40, Ex. 224

N.P.L. Sports Club

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

A.R.L. Stanton Cup Convenor

Mr. H. Hood, Ex. 9

The Rose Society

Sec. Mr. Lenihan, U/L G Group

S.T.C.S.

R.N.S.S. (London) Branch  
Sec. W. Parrington, D.O. Ex. 116.

United Kingdom Civil Service  
Benefit Society

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

Upper Lodge Club

Sec. Mr. M. Murray,  
Group G, Ex. 83

Motoring Association

Mr. Redmayne,  
Workshop, Ex. 225  
Mr. C.J. Borrill, U/L Ex. 67.

I.P.C.S.

Sec. D.W. Norman,  
Group G, U/L, Ex. 84

Canteen Representatives

Mr. Morrell, U/L D Group Ex 33  
Mr. Warwick, D/O Ex 308/133

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, Admin. Ex. 124

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### Editorial

The decision to make this a quarterly periodical seems to be the right one and we should be out in time for the 1st January, 1968.

May I take this opportunity of wishing all our contributors and readers a Happy New Year and to place on record our thanks to the A.R.L. News Committee for their services in the past year. At the present time we have only one lady on the Committee and the members agree that another of this gender would help to give a balanced viewpoint. At the same time it is felt that a stronger representation is required from Upper Lodge. We need two from Upper Lodge, one at least a lady. Volunteers please.

J. R. Gibb

## WHO GOES WHERE

### Arrivals

Mr. G.K. Cochran	Photographer	A.H-B.R.E.
Mr. G.M. Plumb	T/Sci. Asst.	C
Mr. W.L. Peters	T/Sci. Asst.	D
Mr. A.B. Scott	P.S.O.	G
Mr. J.F. Thorn	T/S.S.O.	M
Miss J.E. Allen	T/Sci. Asst.	M
Mr. A. Squire	Lab. Mech.	E(W)
Mr. C.R. Young	Lab. Mech.	E(W)
Mr. T. J. Hooper	Lab. Mech.	E(W)
Mr. R.A. Crawley	Lab. Mech.	E(W)
Mr. P.A. Roberts	Patrolman	Admin.
Mr. R. Kwei	Lab. Mech.	E(W)
Mr. R.P. Wicks	Lab. Mech.	E(W)
Mr. I.J. Hayman	Lab. Mech.	E(W)
Mr. D. Potter	Labourer	E(W)
Mr. G. R. Arthur	Labourer	E(W)
Mr. S. Clifton	Lab. Mech.	E(W)
Mr. T. Ward	Lab. Mech.	E(W)
Mr. C.S. Collett	Labourer	E(W)
Mrs. V. A. Coqley	Cleaner	Admin.
Mrs. D. G. Parker	Cleaner	Admin.

### CONGRATULATIONS TO

Mr. R.H.L. Catt	(Ty) A.E.O.	M
Mr. D.W. Norman	S.O. (on probation)	G
Mr. R.J. Barnes	A.E.O. (on trial)	D
Mr. R. A. Kencroft	A.E.O. (on probation)	M
Mr. T. F. Feltham	Senr. Artificer T.G.II	E(W)
Mr. A. J. Kirby	Artificer T.G.III	E(W)
Mr. E.G. Williams	Artificer T.G.III	E(W)

DEPARTURES

Mrs. C.M.H. Curtis	T/Tele. Op.	Tele. Ex.
Miss C.M. Judd	Typist	Ty. Pool
Mrs. W. A. Meyer	T/Sci. Asst.	C
Mrs. C. Preston	T/Typist	U/L Ty. Pool
Mr. T. Hanratty	C.O.	A.H-B.R.E.

Sincere Congratulations to Harvey and Wendy Meyer on the Birth of their Son on 17th December, 1967.

ELECTROSTATIC LULLA-BYE

He responded with gay and lightsome laugh  
To his kindly comrade's chideful chaff  
At the careless way he handled the source  
Of 60 kV, an awesome force  
To apply to protoplasm of rho  
Per c.c a mere half ohm or so  
And (assuming no perspiration)  
Of poor epidermic insulation.  
Screwdriver, clip and pliers he'd wield  
Within the Electrostatic Field;

Completely careless and showing no fear  
Of the powers of that most fearsome gear;  
Until at last (a sad moment indeed),  
He took to himself the lethal lead.

With shattering roar and blinding flash,  
The E.M.F. drove with a crash  
Through tissue and tendon, gut and gland  
And all the organs 'twixt foot and hand  
Smashed the shattering electronic host:  
Leaving but smoking plasmic toast.

If you would be other than acrid smoke  
Rising piles of smouldering coke  
With a few odd fragments of calciumed bone  
THEN LEAVE

THIS B-----Y  
GEAR ALONE.



### The Ladies of the Typing Pool

From left to right:- Mrs. M.E. Pitcher (Upper Lodge),  
Mrs. J.E. Rees, Supervisor, Mrs. B.K. Chitty and Mrs. K. Lockwood.

My thanks are due to these wizards of the keys who manage to squeeze the A.R.L. News in between masses of mathematical reports and letters, including a few undecipherable drafts.

Editor

## H<sub>2</sub> - GROUP

**H<sub>2</sub>O** well salted, is our natural business environment.

How this came about is a long story. It started many years ago when with the decline in naval importance of magnetic phenomena - a traditional subject of H Group - the Navy developed a keen interest in the structure of sea beds. This shift of emphasis brought about basic changes in the structure of the group which, through the usual processes of dilution, merging, etc., gradually evolved into its present form of two mini-groups. As reported in the last issue of A.R.L. News, the mini-er of the two has for the last twelve years or so been preoccupied with the lofty task of chasing "aromatic clouds", while the other has concentrated its meagre resources on research aimed at developing new techniques of giving as good a look as possible at what is going-on on the bottom of the sea.

It was a fascinating and challenging problem, full of interesting possibilities as well as unexpected pitfalls. True to the maxim that one learns from one's mistakes, we hit, after two unsuccessful attempts, on a completely new idea which held every promise of being the answer we looked for. Needless to say, in the circumstances our approach in employing these ideas was one of caution mixed with diffidence lest there were hidden snags!

The results obtained in the Laboratory and at sea with the first experimental equipment embodying the new principle, known now as "modulation scanning", established the soundness of the technique and thus opened up a new and promising field of underwater acoustics.

Next we designed and constructed a second equipment tailor-made to meet the Navy's requirements. It was coded F<sub>2</sub> to

distinguish it from a number of other competing gears produced concurrently by a large team based at the well-known naval establishment in Portland. Over a period of just under two years, F<sub>2</sub> was put through its paces, both as a shore-based and as a ship-borne equipment. The first tests were carried out at our Inshore Station, Portland, a valuable facility now lost to A.R.L. It was then evaluated at sea in its naval role, being installed again and again on trials vessels. In all, a great number of sea trials were carried out, some as "side-by-side" trials aimed at comparing the equipment's operational effectiveness in relation to its competitors. F<sub>2</sub>'s career at sea was completed with a prolonged final trial covering a large area of the Thames Estuary and the North Sea. This very extensive trial work, more particularly its concluding phase, established the soundness of our approach and also demonstrated the potentialities of modulation scanning in military as well as non-military underwater acoustics. Recognising the inherent merits of these techniques, U.D.E. finally adopted them as the basic design of a new and at that time unique equipment which is now operational in the Royal Navy.

Sea experience accumulated over the years led us, at the end of this first development stage, to fresh thinking about more complex designs capable of greater flexibility and operational effectiveness at sea. Owing to the usual frustrations and, of course, the perennial staff problem of the Group, the translation of these new ideas into hardware took an exceptionally long time. At all events, our patience and perseverance were well rewarded, for this new equipment, known as "Bifocal" has proved a pioneer in the field. It has broken new ground in practically every sector of underwater work, such as the study of fish behaviour, viewing trawls in action, location of wrecks, salvage work, to mention a few. More recently, the Bifocal equipment was also successfully applied to the study of new types of propulsion units in full-scale trials.





Miss I. Brosnahan    Mr. J.M. Cutter    Mr. P.D. Cross    Mr. S.J. Osborne

Dr. J.C. Cook

Dr. G. M. Voglis

Mr. H.G. Warwick

The reader may at this stage form the impression that "Bifocal" represents the ultimate in scanning equipments. This was indeed our view some seven years ago when the gear was first commissioned, but we now regard it as a milestone on the road to more ambitious and exciting developments. Perhaps a prominent member of Group E may prove right when he remarked "they won't be satisfied until they get their pictures in ----- colour".

G. M. Voglis



The Superintendent presents Mr. H.G. Warwick, Senior Assistant (Scientific) of H<sub>2</sub> Group, with the Imperial Service Medal after 25 years service and formal retirement. Mr. Warwick continues to work with us in a dis-established capacity.

## Visit of the Superintendent to U.S.A.

On October 31st, at the invitation of the Technical Director, Dr. G. K. Hartmann, the Superintendent took part in the Dedication Ceremonies of the new, and very impressive, Hydroballistics facilities at the United States Naval Ordnance Laboratory. Included in the proceedings was a "mixing of the Waters" Ceremony when water from the large Glen Fruin Water-entry Tank was mixed with water in the new N.O.L. facility as a symbol of the close association of the two laboratories in this field of research.

Mr. Borrows presented Dr. Hartmann with an original A.R.L. model of the "Squid" anti-submarine projectile, which was one of the earliest and most successful developments arising out of water-entry research at Teddington, and later gave a talk entitled "A Historical Survey of Water Entry Research at the Admiralty Research Laboratory".

## Outings by Coach

Transport was arranged for twelve football enthusiasts to visit Wembley on Wednesday, 22nd November to be amongst the 85,000 spectators to watch England beat Ireland by 2 goals to NIL. This venture proved successful and the suggestion to organize another visit on 6th December to see The England Russia match went ahead.

Standing tickets only could be obtained and a coach of 40 at the inclusive cost of 14/6 a head witnessed an exciting match resulting in a 2-2 draw.

Anyone interested in forthcoming events of this kind should contact Mrs. Tedrekin, E Group, Ext. 220.

## THE INTERNATIONAL SYSTEM OF UNITS (SI)

In 1871 a bill was before Parliament which sought to make the use of the Metric System compulsory in the United Kingdom. It was defeated by five votes. It now means that a difficult and complex task faces industry for the change which is scheduled for 1971.

In 1965 the British Government made a policy decision to adapt the SI as this country's main system of weights and measures.

What is SI? It is a system based upon metre-kilogram-second which was introduced at the beginning of this century, known then as the M-K-S system. But later the degree Kelvin for temperature and the candela for luminous intensity was added. This has become the present system known as the Systeme International D'Unites, known for short in all languages as the SI. The SI derives all the quantities needed in all technologies from only six basic and arbitrary defined Units. This contrasts with the metric systems currently used in which additional quantities (for instance 'calorie' and 'horsepower') are arbitrary and indeed differently defined in different metric countries.

Relationships between units are thus greatly simplified in the SI, the introduction of which offers existing metric countries a unique opportunity to harmonize their measuring practices.

This opportunity is now being seized and SI now has international authority and has been in force, legally, in eleven countries since 1965. A further twelve countries are preparing legislation to make SI the only legal system of measurements, and it is a logical choice for the U.K.

The British Standards Institute and others are working with the International Standards Organisation (ISO) to finalize details to ensure full standardization.

The SI is a coherent system of units, i.e. the quotient or product of any two unit quantities in the system leads to the unit of the resultant quantity. For example, unit area results when unit length is multiplied with unit length. Thus, in a coherent system of which the foot is the unit of length, the square foot is the unit of area (but the acre is not).

Well now, is this going to affect A.R.L.? As the Ministry of Defence is but one of the many co-operating organisations in the U.K. it has adopted the policy for Defence requirements to be specified in SI as far as possible in future.

In joint British, French and/or German projects the SI will be automatic.

The future as the engineering industry changes over gradually to SI, A.R.L. will receive a mixture of equipment made to both inch and SI patterns, which, of course, will require the Stores to duplicate stocks of spares which will be required to fit either "inch" or "SI" based equipment. In fact, the Stores have already made one change towards the new system by changing over to metric drills in some ranges.

Duplications in tools, etc. for trials will be needed for maintaining both systems of equipment, as we do still use a lot of equipment of U.S. manufacture and the U.S.A. are not changing to SI.

Research and Development Establishments and several U.K. firms have already made a practical start. A.R.L. will meet more of the change when new stocks of ball and roller bearings arrive. The steel industry will be standardizing their stock materials of sheet, bar, tube, etc. to the SI system.

Decimal packaging is well under way. Instead of items being packed in cartons of  $\frac{1}{2}$  dozen, 1 dozen, 1 gross, they will be packed in cartons of 5, 10, 25, 100 etc.

Although the Government decision to adopt the SI has not had the same amount of publicity as the future change-over to decimal coinage, work is quietly going on. Obviously no accurate time scale can be given for a complete change-over to a project such as this, but a time of ten years from 1965 has been mentioned for general acceptance.

Much more can be written about SI and anyone who would like to know more can obtain various booklets from the British Standards Institute on the subject. Although this article is brief I hope it may have aroused a little interest.

The standards and symbols follow:

Basic SI Units

Quantity	Unit	Symbol
Length	Metre	m
Mass	Kilogramme	kg
Time	Second	s
Electric current	Ampere	A
Temperature	Degree Kelvin*	<sup>o</sup> K
Luminous intensity	Candela	cd

\*Although the SI unit of temperature is the absolute degree Kelvin (<sup>o</sup>K) it is generally accepted that the SI temperature differences are expressed in terms of degrees celsius (the preferred term for centigrade) C<sup>o</sup>.

Some supplementary and derived Units

Quantity	SI Unit	Symbol
Area	Square metre	m <sup>2</sup>
Volume	Cubic metre	m <sup>3</sup>
Plane angle	Radian	rad
Solid angle	Steradian	SR
Force	Newton	N
Pressure	Newton per square metre	N/m <sup>2</sup>
Speed	Metre per second	m/s
Angular velocity	Radian per second	rad/s
Acceleration	Metre per second squared	m/s <sup>2</sup>
Angular acceleration	Radian per second squared	rad/s <sup>2</sup>
Power	Watt	W
Work, energy, ) quantity of heat)	Joule	J

P. Redmayne

Auditor: "I can't approve this expense account, Smithers, but we'd like to buy the fiction rights to it."

- - - - -

Tact is the ability to describe others as they see themselves.

- - - - -

Nowadays apples are so expensive that you might just as well have the doctor.

- - - - -



BEHIND THE SCENES



Miss F. V. Wood      Mrs. N. L. Nicholson

"Full many a flower is born to blush unseen" said the poet Thomas Gray, his words are surely applicable to our two colleagues in the Workshop.

Planted in the onion patch of A.R.L. Workshop in 1942 they, and other selected members of their species, soon transformed this into a colourful herbaceous border.

Due to an oversight, reward for conscientious and loyal service was somewhat overdue, but fortunately recognition came in 1963 when they were both established.

Over the years the generous disposition of Freda and Nell in devoting time and energy collecting for sick colleagues, retirements, outings etc. is appreciated by all and what the "lads" would do without their laundry service one shudders to think.

No doubt the annual pilgrimage to the sun has been arranged, a ritual that has been going for years, bringing pleasure to our two wayfarers and relief to us all when we hear of their arrival - there is no truth in the rumour that they go abroad to get ideas for decorating the flat, although it is understood that one of them hangs a nifty piece of wallpaper.

A reflection over the past twenty six years must be one of satisfaction, for as the sole survivors of the female labour force employed during the war years they have been accepted as equals and have the friendship of many.

### CHEMISTRY OF WOMEN

#### Physical Properties

- |  |   |
|--|---|
| 1. Surface usually found with film of painted oxide.             | 1. Highly explosive except in experienced hands.  |
| 2. Boils at nothing, freezes without reason.                     | 2. Affinity for gold, silver and platinum.  |
| 3. Unpolished specimens turn green in presence of polished ones. | 3. Ability to absorb quantities of Liquid sustenance.                                   |
| 4. All varieties melt given proper treatment.                    | 4. May explode spontaneously when left high and dry.                                    |
| 5. Bitter if used incorrectly.                                   | 5. Insoluble in liquid but activity greatly increased by saturation in spirit solution. |
| 6. Density varies from great to infinite.                        | 6. Yields to pressure.  |
| 7. Turns a rosy tint when discovered in natural state.           | 7. Ages rapidly.  |

## SIMPLIFAAEED @YOGROFEE

Most people who follow the current fashions in thinking agree that English orthography should be modified so that words might be spelled as they are spoken. The fact that such a change would virtually isolate large areas of the British Isles is normally ignored. (Imagine a Cornishman trying to decipher a letter from Newcastle.)

One recently suggested system of spelling reform does, however, appear to possess some features unique in itself.

First one must eliminate all silent letters and replace doublets such as 'ph' and 'gh' by the letters they sound most like. Then remove redundant or under-employed letters and have them represent different sounds which are more commonly in use.

For instance: 'q' very rarely occurs and it can be always replaced by 'k', so let it symbolise the foneme most often used in English, the 'uh' sound, or grunt, which has no letter of its own. For the long or modified grunt, normally spelled 'er', simply double the symbol and make it 'qq'. Similarly substitute either 'k' or 's' for 'c', using the latter for the 'ch' sound, and adopt 'x' equivalent to 'ks', to stand for 'sh'.

Replace the voiced 's', as in 'as', by 'z', and the voiced 'f' of 'of' by 'v'. "J" can be retained exclusively for the soft 'g' as used in 'gaol'.

All vowels have at least two different sounds, so, by analogy with 'q', utilize the single letter for the basic form, ('pat, pet, pit, pot, putt.') and double it for the long ('part, peat, boat, put.');

since there is no symbol for 'aw/or' bring in '@' to represent it.

Diphthongs such as 'ow', 'i', 'you', 'oy', can be built up from the compound parts and written 'aau', 'aau', 'eeu', '@ee'. 'A' haauuevqq, is a problem; if written 'aee' it can be

miksd up uuith 'aaee' qnd saauundz raathqq Koknee, soo  
let us puut it daauun az 'eee' ('e,ee', not tuu bee konfееuuzd  
uuith 'ee,e', prqnaauunsd 'yeah').

'W' haz naauu been reepleeesd baaee dubl 'u' qnd 'y' baaee  
dubl 'e'; uuee meee eeuuz 'y' f@ thq 'th' fooneem, yeqf@,  
qnd 'w' f@ 'ng' Q neeuu karqktqq, 'f' kan stand f@ 'zh'.

Yat, yen, iz yq hool sistqm. OOnlee tuu unfqqmilee  
saaenz aa adid in f@meeuuleeetiiv q uuqqkqbl @yogrqqee  
keeeqqbl qv raaetiiv akeeuurqtlee enee saauund n@mqllee v@eesd.  
UUot m@ kuud eneeuun uuix?

Yis sistqm xuud bee muc les aadeeuuus tuu lqqn, f@ yq  
eeuw, yan yq trqdixqnql uuun; uuaaeel it meee qut fqqst qpee  
od, if its oditeez uuqq macd qgeenst yooz qv yee uyqq yq  
neeuu f@m'z uuqqy uuud, AAEE meeenteen, xoo kleeqlee.

X@lee nuyiw kuud bee uuqqz yan yq reeeniw kqnfееuufqn,  
kreeeetqd baaee yq daaeevqqsqtee qv yq lawuuijz uuic hav,  
oovqq yq eeeeqz, miwld qnd kooqlesd tuu f@m Iwlix.

On second thoughts; perhaps standard spelling is not so  
bad after all.

P.T.F.

Argument with the wise is a waste of brain, with the foolish  
a waste of breath.

When a man is in the right he need not argue, when in doubt  
he should not, and when he is in the wrong he cannot.

- - - - -

One day I sat lonely and without a friend. A voice said  
"Cheer up, things might get worse", so I cheered up and sure  
enough things got worse.

- - - - -

## OUR MARATHON

The idea of participating in a charity walk from Hampton to Leatherhead, resulted from a letter asking the occupants of my house, whether they would wish to take part or even sponsor a walker. Since having completed a walk over part of the Yorkshire Moors the previous week-end, I decided to enter with three of my friends.

Firstly, we all had to organise our sponsors which proved easier than we first imagined. In fact it was surprising the number of people that were willing to donate six shillings to such a cause. Actually the final amount raised between all of us resulted in £21 for the named "Child Societies".

The scheduled start was Sunday morning at 9 a.m., but on arrival we queued to register for our competition number. Eventually we started at 10 a.m. being amongst the last to leave. The walk took us through Bushy Park, past Hampton Court Palace and then onto Esher. From there our route took us through county lanes, across fields, so that at times it was difficult to know just where our direction lay. Along the course check points were spaced at approximately two mile intervals, at these points our entry forms were marked to prove we had covered the required distance.

The majority of the walkers were young people between the ages of sixteen and seventeen years.

Our start was at a brisk pace, we had hoped to cover twenty five miles in approximately seven hours. Between the start and Hampton Court we estimated that we overtook about one hundred walkers. But to be fair the majority of these were schoolgirls walking quite slowly!! Each check point showed us how many walkers were ahead. This dwindled from four hundred at the start to roughly fifty at the half-way stage. The going was still fairly easy for us.

After that conditions worsened slightly some getting very muddy. Those of us who had not worn boots were forced to pick their way more carefully. Our pace had slowed tremendously. Walkers were now fewer and well spaced. Nearing Leatherhead our speed improved and we eventually finished tenth with a time of seven hours, ten minutes and rather exhausted.

K. Bradley  
D.O.

### A.R.L. Theatre Club

"The Fiddler on the Roof" starring Topol at Her Majesty's Theatre, was the show chosen and enjoyed by 81 A.R.L. staff and relatives on Friday, 10th November.

Two further visits to the Theatre have already been arranged for 1968 - Firstly on Friday, 23rd February to see "Charlie Girl" and Secondly on Friday, 26th April to see The Four Musketeers. Two coaches and 81 theatre seats have already been booked and sold.

It would be appreciated if A.R.L. members would kindly submit their names to Mrs. D. Tedrekin, E Group, Ext. 220 if interested in future shows, so that an individual contact can be made before the final booking of a show is completed. Cost including price of theatre and coach seat and tip for the driver is approx. 25/- to 30/-.

A note to anyone booking a theatre, cinema, stadium seat etc. might be interested in the complete Seating Plan (as used in booking agencies) which has been purchased and can be seen in E Group Office.

## Parkinson's Law

Most people have heard of Professor Parkinson, though few people I have come across have actually read any of his books. Cyril Northcote Parkinson, M.A. Ph.D. F.R.Hist.S. has written plenty of serious stuff but his name is usually associated with attacks on the Civil Service and in particular the Admiralty (now the Navy Department).

You will find his 'Parkinson's Law' and 'In-Laws and Out-Laws' indexed in the Public Library and kept on the same shelves as other satirical and humorous books by Jonathan Swift, and Stephen Potter of 'One-upmanship' fame. All good fun, yet surely never has a humorist been taken so seriously before.

In a recent interview on the radio he forecast that at the present rate he could foresee the time, not too far ahead, when there would be more civil servants than sailors in the naval service. This is a case of proving anything by statistics. The figures in the first chapter of his book that he uses for comparison are the 1920's compared with modern times. Obviously ships are so much more sophisticated now that more shore effort is needed for research, design, development production and repair and maintenance. But the clever twist he uses is to compare non-industrial growth, ignoring overall civilian figures because this would not help his argument.

Since the 1920's there has been a vast programme of granting non-industrial status to other grades and it is still going on.

By using only part of the figures he proves that ratio of civil servants to sailors is steadily worsening, whereas if he took overall civilian numbers he would find this is not so. Such figures are available to all in the Defence Estimates on sale to the public.

It is interesting to wonder why Professor Parkinson makes such direct attacks on the Naval Service - was he unhappy as Master of R.N. College, Dartmouth? The Admiralty since the days of

Samuel Pepys has employed civilians wherever possible as supporting staff - think of the Fleet Fuelling Service, Cable Ship, Naval Store and Victualling Ships, all civilian manned, and think again of the number of times as a civilian you have been to an Inter-Service meeting to find all your opposite numbers are active personnel from the War Office or Air Ministry. I am convinced that the Navy Department should be congratulated for its policies not reviled - but this would not sell popular books.

J. R. Gibb

Result of Inter-Group Dart Competition

The winners of the Tournament are D Group, the runners up position is shared by Photographic and Workshop. Presentation of trophies is being arranged.

A further competition will be arranged as soon as possible.

- - - - -

ON DARTS

Hearken all ye diligent ones whose hand doth wield the flighted Barb; Yea, give ear unto my words, for in them shalt thou find peace and comfort.

Verily shalt thou find likewise great craftiness in the pursuance of thy pleasure.

Stand thou firmly upon they feet and cast a cheerful countenance towards the Board that is before thee.

Lift up thine arm with confidence and let go the barb that is within thy grip; cast it forward from thee with sure aim and with assurance that shall plant it firmly in the spot thou desirest.



If thine achievement is not to thy satisfaction, murmur not the wrath that hangeth on thy lips, but keep thou on until the elusive bed thou aimest at be found.

If thou shouldst then fail, but find a strange bed, despise it not for there shalt thou ofttimes find a stepping stone to the goal of thy striving.

Work out thy salvation with intelligence and skill and cast not thy Barbs with abandon.

Hasten not to follow the voice of thine adversary too readily, lest he leadeth thee up the garden; heed not he also who, not playing, would advise thee "Get this or that", for verily he that playeth not doth know better than anyone else.

When thou yearnest after a Double be not dismayed at thine own weakness. Yea, I say unto thee, he that doth persevere shall in time become wedded to that Double.

Wander not about like unto a ship that hath no rudder, for it shall come to pass, thou shalt become so attached to the Double of thy choice that thine opponent shall tremble before thee as he doth watch thine efforts. Yea, will he be heard to say, "I, even I, hath had it".

When thou art weak and doth desire to pile up thy score, stick thou to the Left of the Board like unto treacle that toucheth the warm blanket on thy couch, for there shalt thou gather unto thyself a goodly average.

Let not thy heart be troubled when thine adversary doth need the three to crack, whilst thou art in need of a century, for surely thou shalt whittle away that ton, as he that has put himself against thee struggles with the sin that has so easily beset him.

My children, see that thou slip not into like temptation.

Split thou thy number that thou dost leave for thyself  
Thirty-two, for verily I say unto thee, if thou dost halve it  
each time thou throwest, there shall be left for thee an even  
Double; all the way shalt thou have this joy, even unto the end,  
nor shalt thou become encumbered with that odd one.

Try not thy fancy shots until that great time when thou  
shalt become confident, but be thou humble and exceeding wise.

Barrack not the thrower that has put himself to beat thee,  
neither shalt thou crowd him lest thou hamper him in his efforts.

Keep thou thy sense of humour for in that shalt thou find  
joy and popularity.

When thou hast a dew-drop, say not, "Friends rejoice with me,  
for I have found the bed I sought", for verily if thou dost try  
for one number and getteth a treble of another, thou art lucky, and  
he that shalt boast of this play shall be called a hypocrite and  
the truth is not in him and he shall be ashamed.

Shirk not thy chalks and be thou careful in thy reckoning.

Give ear to the words of the Prophets before thee, for I say  
unto thee again, into thy Dart Chamber shall come peace and love  
if thou shalt weld thyself together into a team formidable to  
those that attack thee. Yea, shalt thou go abroad into all the  
world and cast down all who oppose thee.

N. W. Ferguson

Flattery is something nice someone tells you that you wish to  
heaven were true.

They say it is better to be poor and happy than rich and  
miserable, but, couldn't something be worked out such as being  
moderately rich and just moody?

## CALLING NEW BLOOD DONERS

Have you ever stopped long enough to read carefully, an appeal for more blood doners? Has it made you go cold when you have thought of the implication of making this gift to; someone in distress whom you will never see or know.

It was in 1942 when this happened to me, during my service with Hawker Aircraft Ltd. When the appeal was made at the Factory, something like 60% responded, of whom almost 50% were women. (Men are so often cowards in this respect.)

The coldness one feels on reading an appeal very soon changes to warm satisfaction after making ones first blood donation. The present rate of accidents on the road, in the factory, in the home which urgently need blood transfusion is steadily increasing making it correspondingly urgent for more doners.

This donation service attends N.P.L. in January and July, making it so easy for anyone to make this gift for someone in need. The age limit for this very worthy cause is 18 to 65 years.

My donation score now stands at 41 and I look forward to reaching 50. Incidentally I still have the necessary 10 to 11 pints of blood in my body.

Les Goodway

## BADMINTON

The Inter departmental Badminton Championships were held at Wimbledon Baths on Saturday 9th December. Miss P.A. Ching was one of those chosen to represent the Ministry of Defence (Navy). It was the first time we had entered a team. Twelve teams from all over the country played and we succeeded in reaching the final but were defeated by the Ministry of Pensions and National Insurance who have remained undefeated for several years.

The team consisted of

Messrs. Udal, Warner and Savage, and Miss P. Hunter from Portsmouth (Dockyard and A.S.W.E.) W.C.E. Rogers, N.W.P.O. and Miss P.A. Ching, A.R.L.

Miss Ching plays for the N.P.L. Badminton Club. Another member Mrs. J. Wood represented the Ministry of Technology.

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### A.R.L. Rose Society

In the depths of winter it is pleasant to recall, the beauty and scent of the exhibits of the Society's 1967 shows. At the summer show the blooms were of such perfection that Mr. Simpson of the London Borough Parks, after judging the exhibits, stated that they were some of the finest amateur blooms he had seen that season.

It is a pleasure to extend thanks on behalf of the Society to the judges, Mr. W. Trigg, Mr. S. Simpson and Miss A. Cooper, to the Superintendent for his permission to use Room 201, and to all the helpers and exhibitors who made these shows so successful.

Incidentally if there are any readers with queries, the members of the committee are always available to give advice on rose growing. In addition they will gladly invite you to become a member of the A.R.L. Rose Society, or, if already a member, they will remind you that subscriptions are now due!

The Society looks forward to even bigger and better shows in 1968 and hope that more visitors will take advantage of the opportunity to freely inspect some first class roses.

DIARY NOTE - SUMMER SHOW 25th JUNE 1968

