



APPLETON LABORATORY NEWSLETTER

No. 178

April/May, 1976



B.A.S. Presentation

The establishment of a permanent home in Cambridge for the British Antarctic Survey has meant that their ionospheric studies group have now ceased to operate from Ditton Park.

For some quarter-century, ever since the proposal to establish an ionospheric sounding station at Port Lockroy, Grahamland, in 1952, the Survey's Staff have played a welcome part in the scientific and social life of our Laboratory.

At a ceremony to mark the passing of this stage in the history of our two organisations, the Director of B.A.S., Dr. R.M. Laws, presented the Director and Staff of the Appleton Laboratory with a commemorative gift. The present is one of a special limited edition of copies of paintings by Dr. Edward Wilson, Second-in-Command and Medical Officer of Scott's last expedition.

Wilson, who was a distinguished amateur water colourist, portrayed to great effect many aspects of that famous enterprise on which he, Scott and their companions of the Polar Party met their end.

The picture shows most skilfully the phenomena of Lunar Haloes and 'Mock Moons' produced by moonlight refracted by ice crystals in the high atmosphere. This pleasing token of many years' collaboration between our establishments now hangs in the Library Annexe.

New Books for the Library

The Library Committee endeavours to keep the stock of books up-to-date. However, members of staff will often wish to suggest new books and the standard procedure for this is to enter the details in the Suggestions Book kept in the library. Supporting documents should be placed in the wallet provided. New journals can also be proposed in the same way. The Library Committee considers these suggestions six times per year.

When a book is urgently required for the benefit of some Laboratory project, a special procedure can be adopted. A request for the book should be made to the Chairman of the Library Committee (via the Librarian if this is more convenient). The request should be in writing and be supported by the appropriate group leader; it should be made clear that the matter is urgent.

Current committee members are :

Chairman	:	Dr. W.C. Bain
Members	:	Dr. J.A. Lane Dr. D.W. Willis Dr. E.D. Dunford Dr. R.K. Burdett
Librarian	:	Mrs. E. Faulkner

Award to Mr. L.R. Mitchell

Staff of the Laboratory will be pleased to learn that Mr. L. Mitchell has been awarded the Silver Wolf of the Scout Association.

This award, the highest of its kind, was bestowed, in the words of the official citation, 'In recognition of services of the most exceptional character and, in particular, the instigation of the Jamboree on the Air'. This event which has become well-known in the worlds of Scouting and of Amateur Radio has gone from strength to strength in the years since its foundation.

We offer our congratulations to Les on having made his mark simultaneously in both these fields.

Letter to the Editor

Dear Sir,

The record-breaking examples quoted in my last letter have, alas, lost their status. They have been supplanted by :

Percentage root mean square amplitude electron content fluctuations.

If one is prepared to bend the rules then there is also :

Ministry of Defence (Land Systems) Research and Development
P.T.O. H.Q. Branch.

Yours etc.,

D. H. Long.

The Standard Bearer

Extract from IUE Meeting report :

"I intend to make Mr , Optical Test Branch, the final absolute photometric reference for I.U.E."

Notes made in the column included :

"Maybe he has a glowing nose."

and

"Obviously a red hot man for the job, or should it be blue?"

STAFF NEWS

Congratulations to :

Trevor Dimbylow on his recent engagement to Trish Radwell.
Doug. Pennell - now S.M.O.

Welcome to :

S.J. Cook	S/S Lab.
A.E. Lawder	S/S Lab. (p/t)
Mrs. J. Juggins	Typist (Culham)
A. Williams	P.T.O.II (Culham)

Resignations, etc. :

D. McAra	Apprentice
J.E. Goodyer	S.S.O. (Transfer to A.S.W.E.)
H.J.B. Paxton	P.P.T.O. (Transfer to R.G.O.)
B.J. Dews	P.T.O. II
Mrs. A.Y. Weidner	S/H Typist (End of secondment from UKAEA)
R.B.W. Arnold	S/S Lab.
S.J. Watford	Cfn. I.

Other Changes :

T.J. Bevan	H.S.O. now with Gp. V. (SIRIO) Div. VI.
J. Mason	S/S Lab. now part-time.

Appleton Cricket Club. 1976

The Disco on 30 April was a great success. Our thanks to Mrs. Loudonsack for preparing the excellent buffet, and to the bar staff for giving their time to the event.

The start of the season has seen some close results and some good individual efforts. In particular Charles Wrench's 43 against British Aluminium, on a wicket which was not easy should have seen us home.

Saturday, 24 April v. KIWIS C.C. (DRAWN)

A very comfortable draw in which our batsmen had the practice they needed.

APPLETON 191-8	KIWIS 100-7
Hassan 42	
Porter 30	Buck 3 - 24
Sandal V. 28 N.O.	

Tuesday, 4 May v. WILKINSON SWORD (WON)

A well-watered wicket produced a lively wicket which our bowlers were quick to exploit.

APPLETON 33-3	WILKINSON 32 A.O.
Davies 18 N.O.	Buck 3 - 13
	Bevan 2 - 2

Thursday, 6 May v. TREASURY & CSD (LOST)

From cruising along at 60-1, 6 wickets fell for 7 runs and eventually we lost a match we should have won. The Treasury are undoubtedly a 'bogey' side: We lost both games to them last year.

APPLETON 100 A.O.	TREASURY & CSD 126-6
Hassan 29	Buck 3 - 35
Porter 30	Allnutt 2 - 20

Wednesday, 12 May v. BRITISH ALUMINIUM (TIED)

We had only 9 men, but gave a good account of ourselves until at 87-2 when we needed 2 runs to win, we lost 6 wickets in 14 balls for 1 run

APPLETON 88-8	BAC 88-8
Kitt 31	Buck 2 - 16
Wrench 43	Bevan 3 - 12

Saturday, 15 May v. ETON C.C. (LOST)

Again we only had 9 men, but nevertheless gave a good account of ourselves and at one stage might have stolen the match.

APPLETON 121 A.O.	ETON 158-6
Paterson 69	Buck 3 - 63
Whitlock 15	

Wednesday, 19 May v. ROYAL HOLLOWAY COLLEGE (WON)

Some excellent batting against an off-form attack enabled us to win quite easily.

APPLETON 141-2
Porter 63 N.O.
Paterson 51 retired

RHC 71-8
Richards 3 - 8

Letter to the Outstations

Dear Colleagues,

It has been a time of visitation and anniversary. Visitation comprised members of the S.R.C., no less, who held a meeting here recently, giving us occasion to display our wares, not least those of the catering department who can do amazing things with a salmon and know a trick or two when it comes to presenting a cold collation as an art form.

The anniversaries are several and domestic. One, coming shortly, marks twenty years' occupation of our present site. The move from our old quarters was on Friday, 1st June 1956. It is inscribed for all time on my barograph record for that day, for when carried across country to its new home the circumstance was marked by a celebratory blot on the trace.

Another link with those hotted days was the subject of an article in the local paper. Mr. and Mrs. Daniel Butler were reported celebrating their diamond wedding. Before the move, Mr. Butler, now 85, was a familiar figure about the Old Buildings. Congratulations are offered by old colleagues of those Radio Research Station times.

It shows, I suppose, a certain lack of tact to write of ladies' length of service. Still, the exception proves the rule, and it is a pleasure to record the spontaneous celebration by her friends, of Eileen Barnes' twenty-one years as a member of our staff. Presents, flowers and photographs marked the occasion. A mere newcomer, who joined some months later, also sends congratulations from

Yours sincerely,

The Editor.

Reprints April/May, 1976

- A1150 Determination of representative height distributions of the electron concentrations in the ionosphere.
J.R.Dudeney and P.A. Bradley. Radio Science 1976 No.1.
Vol.11. P9-11.
- A1157 Light scattering experiments on water vapour at pressures approaching saturation.
K. Burrows, E.R. Pike and T.M. Vaughan.
Nature 1976. Vol. 260. No. 5547 P131.

Internal Memorandum

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