



Rutherford
Laboratory

22

December 1975

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bulletin **26**
January 1976

Director's Christmas Message

In wishing everybody a very happy Christmas and a successful New Year may I gratefully thank you all for your efforts during 1975.

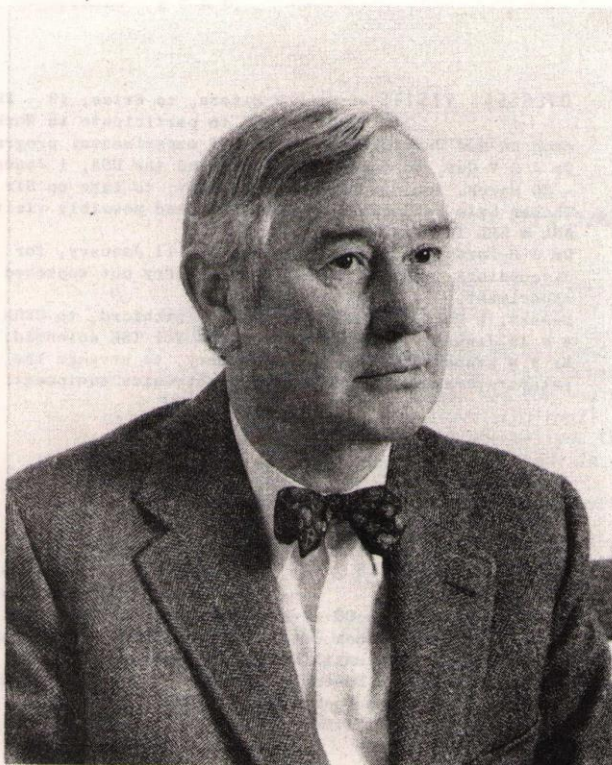
In view of the country's present financial difficulties, it is not surprising that there has been a consequent effect on the work of the Laboratory during 1975, notably through the cancellation of the EPIC project. On the other hand we have had approval for the high power laser project and this is a welcome start to greater diversification in the work of the Laboratory. Further development is likely to be through support for activities of the Engineering Board.

The changing role of the Laboratory may involve a change of work for many people but I am sure that it will be work no less interesting than that which we have been engaged on in the past. Another change in 1975 was the merger of the Rutherford and Atlas Laboratories following the retirement of Dr Jack Howlett.

I should therefore particularly like to extend my best wishes to the old Atlas Laboratory staff as we move into 1976 as a united single Laboratory of great scientific strength and potential.

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JENX



Mr R M Jenkins - JENX - to all his many friends, retires at the end of 1975. I feel that I cannot let his departure take place without a personal message from me on behalf of the Laboratory.

I first met him in 1954 and after the National Institute for Research in Nuclear Science was created he joined us from AERE. As Chief Personnel Officer he has served our Laboratory with great distinction ever since.

I am sure everybody will understand what a difficult job that of Chief Personnel Officer is, standing in the firing line and being at the same time the agent of management (often the conveyor of unpopular news) and also the friend and confidant of all in personal matters.

Not only that but he has seen the Laboratory through the transition from the AEA to NIRS and then to the SRC.

Sadly, therefore, I see him go but happily I trust we shall see him back in the Laboratory from time to time during a long and interesting retirement.

Good luck Jenx.

Director

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Mr Jenkins had served in several Departments of the Civil Service before he joined AERE in 1950.

Towards the end of 1960 he was invited to transfer to the Rutherford Laboratory by the late Dr J A V Willis and he took up what was virtually his present post just before Christmas 1960. He worked under Mr Bernard Halsted until March 1963, when he was promoted Chief Executive Officer.

During the last war Mr Jenkins served in the RAF, mostly in South East Asia Command, where he had what he described to me as "an undistinguished but not uninteresting career".

As to the future, he said that he could always be contacted at Ascot, Newbury, Twickenham or Cardiff Arms Park.

INTERNAL EVENTS

THEORETICAL PHYSICS MEETING

Lecture Theatre
Monday 5 January
1400 - 1525
1555 - 1730

The programme is as follows:-

Photo - and Electroproduction
Quark Confinement

A Donnachie/Manchester
G't Hooft/Utrecht

Tuesday 6 January
0945 - 1115
1155 - 1315

e⁺e⁻ Experiments
New Spectroscopies

J-E AUGUSTIN/Orsay
F E Close/RL

1415 - 1540
1605 - 1730

Lepton-Hadron Interactions
Unified Theories of Leptons & Quarks

W Toner/RL
A Salam/IC

Wednesday 7 January
0945 - 1115
1145 - 1315

Structure of Currents
Particle Creation by Black Holes

L Maiani/Rome
D W Sciama/Oxford

1415 - 1540

Recent Progress of Dual Theories of
Multiparticle Production

G Venejian/Weizmann

SEMINAR IN COMPUTING

Friday 9 January
1000 (note early start)
R61 Conference Room

The ICL 2900 Series

D Marsh/ICL

The main components of the range will be described and the characteristics of the hardware and software summarised. The internal architecture will be explained, with specific emphasis on the design principles behind the Virtual Machine.

FILM SHOW

Friday 9 January
12.40
Lecture Theatre

West Wycombe, a colour film on the life in this famous National Trust village, including the revels in the Hell Fire Caves.
Faces of Denmark, a colour film which concentrates on people and shows many of the attractions of the country.

ADVANCE NOTICE

RUTHERFORD LABORATORY LECTURE
Thursday 15 January
15.51 in the Lecture Theatre

Sir Denys Wilkinson, Head of Department of Nuclear Physics, Oxford University will speak on "What is the Nucleus Made of?"

(full details will be given in the next issue).

THOSE AFROMOSIA CORRIDOR DOORS! - AN EXPLANATION

A few rather critical comments have been expressed by some members

of the Laboratory staff at the, apparently unnecessary, changes of doors which have recently been made in the corridors of the R1 complex. The following paragraphs should clarify the situation and, hopefully, give reassurance that due regard is taken of the necessity for economy in such matters.

1. Since it was first built in 1962, R1 has been extended on several occasions, and with the construction of the Library 'bridge' an integrated complex of 5 buildings was created - R25, R61, R1, R8 and R9.
2. Whilst during the construction of the various sections of the complex adequate regard was paid to fire resistance by having concrete floors and fire-break walls at regular intervals, the spread of corridors which completion of the complex created was seen to be an unacceptable hazard.
3. The doors which have now been replaced or newly installed are of special construction (to BS459), estimated to give about 30 minutes protection from the spread of smoke and fire. The placement of these doors isolates the building and main stairwells into separate sections on each floor.
4. Consideration was given to modifying some of the existing swing doors, but the difference in cost was too small to warrant the acceptability of what would, at best, have been a second-rate job.

OVERSEAS VISITS

Dr D W Sivers, to Erice, 19 - 29 December, to participate in Workshop on New Particles and CERN SPS experimental programme.
Dr J G V Guy, to India, Australia and the USA, 1 January - 20 March, for discussions at Bombay; to take up Sir Thomas Lyle Fellowship at Melbourne and possibly visit ANL & LBL for discussions.
Dr J B Forsyth, to ILL Grenoble, 4 - 11 January, for discussions, installation work and carry out approved experiment.
Messrs. L Phillips, K Miles and R Blatchford, to CERN, 4 - 16 January to assemble Counters for ISR solenoid.
Mr W M Evans, to CERN, 5 - 8 January, to arrange the return/storage of experimental electronics equipment.

CHRISTMAS & NEW YEAR MAIL ARRANGEMENTS

The last delivery of mail from Rutherford to the Post Office will leave the Post Room at Atlas at 11.00 on Wednesday 24 December. Mail reaching the Post Room after this time will not be taken to the Post Office until Monday 29 December.
On Wednesday 31 December (before the New Year break) mail will leave the Post Room at Atlas for the Post Office at the usual time.

NEUTRON CRICKET

When a German physicist asked 'vot is cricket?', a lunchtime conversation at ILL Grenoble quickly lost momentum as the British contingent got bogged down in a mass of lbws and maiden overs. Try as he could, the German could not understand the idea of the game and began to turn his attention to his meal.

'Cricket is like a scattering experiment,' came the suggestion from one British physicist. 'You have a target - the batsman - who is bombarded by a beam of incident particles from the bowler. The idea is that the bowler tries to find the weakness in his target.'

'Ach so,' beamed the German, 'now it becomes clear.'

'It's also very scientific,' continued the cricket enthusiast, glad to have an opportunity of expounding his pet theory. 'You can have different types of scattering, each of which needs its own sort of strategically-placed detectors, and these are the fielders.'

'Very interesting,' said the German.

At this point the rest of the UK contingent joined the discussion. 'That's right - the slip fielders are there to pick up the low momentum transfer collisions,' said one.

'And the wicket keeper is like the beam dump - he stops the particles which would otherwise go astray,' added another.

'When a batsman hits a fast ball effortlessly to the boundary, you say it's a wristy stroke - but it all happens so quickly that you don't see the stroke. You just know that it's wristy from the dynamics of the collision,' proposed a third.

'Bring on Thomson and Lillie and you've got high-energy scattering,' said a high-energy physicist who just happened to be sitting at the next table and who had overheard the discussion.

'Who are Thomson and Lillie?' asked the puzzled German. 'I have not heard of these physicists.'

FILM BADGE NOTICE

Period 1 for 1976 commences Monday 29 December. Colour strip - ORANGE for β films and neutron packs.

Six monthly TLD change for people with surnames commencing A B C & D.

RUTHERFORD CUP-FINAL : NORMAN WADE REPORTS

There was the difference of chalk and cheese between the Rutherford Cup Final game on Wednesday 19 November and the replay just 5 days later when C & A romped home by seven goals to one.

Wednesday's game was a real thriller with moves and counter moves from start to finish with John Mackerness putting R25 ahead in the first half and Jim Taylor netting the equaliser to warrant a well deserved replay.

This was quite another kettle of fish, Jim Taylor having a real field day scoring five of his sides seven goals with singles from Martin Guest and Ian Lisney.

The game in which the score-line tells its own story gave little indication in the opening minutes of the goal glut which was to come. Turning point in the game came just after a fine effort from Steve Hancock had been scrambled clear of the goal-line by C & A Roland Wilton in the 10th minute. Jim Taylor broke clear to put his side ahead with a neatly angled shot.

Forty-five seconds later Taylor was credited with a second which got a deflection off John Halliday. Inside three minutes R25 were three down when Taylor found Guest with a neat cross and the C & A striker got up well to head the ball home.

Jeff Plass combined with Ron Lawes and Guest to provide the opening for Taylor to notch a fourth, a real beauty from 35 yards out.

A minute later R25 pulled one back when they were awarded a penalty by referee John Carr for hands against Plass. John Mackerness duly obliged, placing the spot kick wide of Malcolm Edwards reach.

R25 footballing fortunes took a further dive when Taylor added two more in quick succession but to add to their misfortunes, Dave Matthews took a nasty knock when he collided with Edwards in a race for possession.

Then with only seconds to go, Ian Lisney raced through from well inside his own area to power in a shot which struck the underside edge of the R25 crossbar. Halliday standing on the goal-line was powerless to stop the shot from glancing off him into the back of the net.

Just to show how unpredictable the game of football really is, the very side which had hammered R25 were themselves given a 5 - 1 slating just two days after winning the Cup by a team from Harwell.

From the Editor

In this last issue of 1975, I would like to thank all those who by their contributions, assistance and suggestions have helped to fill the pages of the Bulletin over the past twelve months.

A very personal thank you is extended to all those concerned with the production of the Bulletin - to the girls of the typing centre who have invariably met each last minute request with good humour, to Mike and Reg for their photographic contributions (remember those fascinating shots of the friendly blackbirds?); to Jean, Bill and Gordon who roll off 1200 copies per issue and the Messengers who deliver them to your in-trays.

In reporting the Laboratory scene in 1976, I look forward to everybody's continued co-operation.

May I conclude by wishing readers everywhere a Merry Xmas and a Very Happy New Year.

RUTHERFORD LABORATORY BULLETIN

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Editor: H F NORRIS

Deadline
for
Insertions

1000 hours Wednesday 7 January

Room 42 Building R20
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A Ladies Man!

Fifty years ago a newspaper boy read an article on the construction of a wireless set. His interest was aroused and eventually he collected enough bits together to build his first crystal set later progressing on to valve sets.

Thus started a life-long hobby which to some extent influenced the second half of a working life of half a century.

That ex-newspaper boy, Mr L Tombs, retired from the Laboratory on Wednesday, 10 December.

His first job, as a decorator, lasted 10 years to be followed by a 5 year spell at Vauxhall Motors. Les joined the Royal Artillery in 1940 operating sound locators and later, radar, on searchlights. Most of his war service was in Kent and Essex.

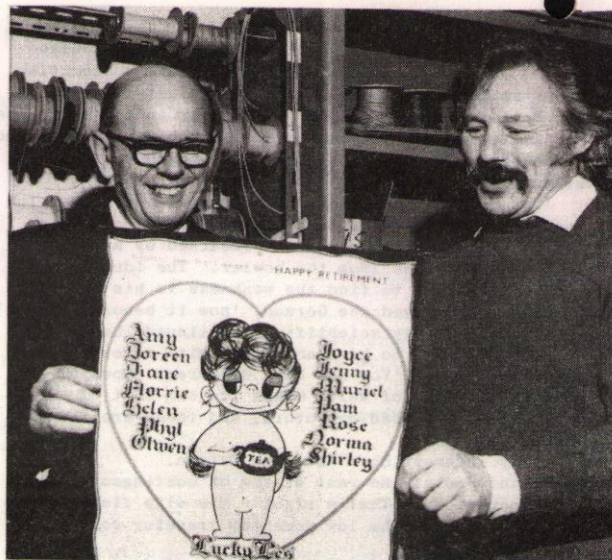
Work was hard to find at the end of the war so he became a bus conductor in Swindon. His 'Fares Please' stint came to an end in 1951, the half-way point in his working life.

The early and increasing interest in wireless plus the war time experience on radar began to influence the next 25 years. His first important step was to join E K Cole to work on secret radar electronics. After 7 years he moved to the Plessey Co to work behind locked doors on very specialised electronic equipment.

Between 1961 and 1964 Les was employed by Calne Electronics mainly on contract work at AERE carrying out modifications to electronic equipment. After several years he successfully applied for a post at the Laboratory and moved into R18 where he has stayed for nearly 11 years.

Prof. Peter Wilde, Head of the Electronics Group, on behalf of Leslie's friends and colleagues, presented him with a portable radio, a letter from the Director and a card. A surprise present from 'Les Girls', the beautifully drawn 'illuminated address' is shown in the photograph.

Peter spoke of the decision to set up an electronics production unit in R18 to be staffed by girls. Les had



taken charge of this unit which had produced work of a very high standard. Looking across at the members of the unit Peter remarked that it was an enviable job Les had held.

In reply Les thanked everyone for the present; the girls and engineers for their help and Peter for his compliments.

He wishes, through the Bulletin, to thank all the friends who contributed to his parting gift and to say cheerio to all those he was unable to see before leaving.

A Man of 'Parts'

It would be a difficult task to quantify the amount of material and paper work that has passed through Jack Studart's hands during nearly 35 years as a storeman.

Mr T J Studart who retired at the end of November, started work on the land in 1925 but after 4 years left agriculture to become a soldier. He served as a machine gunner and later in the Signals Section of the Gloucester Regiment for 8 years. He started his long service as a storeman in 1937, the only interruption being the last war.

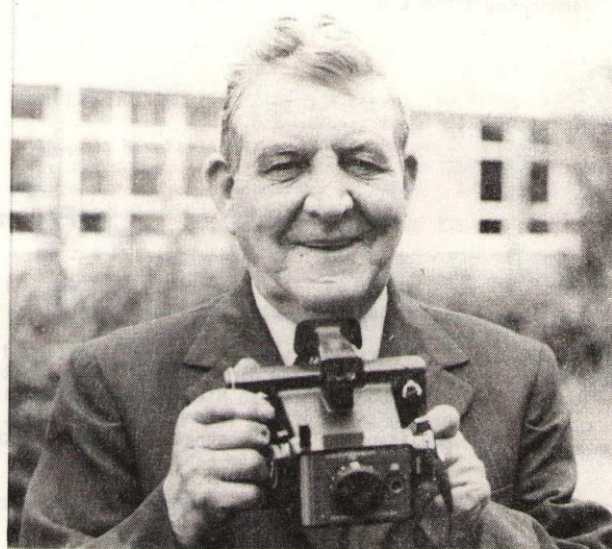
Jack saw active service with the B.E.F. in France, was captured and held for some time as a prisoner of war before being repatriated. In 1943 he returned to his former occupation as storeman at the Air Ministry Depot at Milton. After 16 years he moved but only as far as Didcot and the Central Ordnance Depot of the War Department.

Since 1962 Jack has been employed at the Laboratory working in various sections of the Stores finishing up in R34.

One cannot help but speculate on not only the quantity but the great variety of stores items he has dealt with during his time at the Air Ministry, the War Department and finally at a High Energy Physics Lab.

The parting gift from his friends and colleagues, a Polaroid Colour Camera, was presented to him by Bert Aldred, Head of the Stores Section. In wishing Jack a long and happy retirement, Bert commented on his long service. Jack was probably one of the longest serving industrials on the site, he had been a hard and conscientious worker and although he didn't enjoy the best of health, he did his job.

The gift was put to immediate use as Jack photographed



his colleagues, a fitting if unusual ending to the occasion.

The following message has since been received:- "Jack Studart of the Stores Section would like to say thanks to all his friends and colleagues for his retirement present and good wishes and says Cheerio".