Rutherford Laboratory

6-20 January 1975

bulletin 1

NEW YEAR HONOURS 1975

We should like to offer our congratulations to Members of the Science Research Council who were awarded honours in the New Years List:

Knights Bachelor	Dr I Maddock, Chief Scientist, Department of Trade and Industry, Member of the Science Research Council
CBE	Professor P T Matthews, Imperial College, former Chairman of the Nuclear Physics Board
OBE	Mr J F Hayes, Principal, London Office
MBE	Mr F M Telling, Rutherford Laboratory

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JOHN WILKINS AWARD At the Staff Meeting held on Monday 16 December, the Director presented the John Wilkins Award for the most promising apprentice 1972-73 to Mr J A Ireson.

Jeromey Allan Ireson was educated at St. Birinus School, Didcot and joined the Apprenticeship Scheme in September 1970 as an apprentice Instrument Maker. After a spell in the Initial Training Workshop in AERE he was attached to various mechanical workshops in the Rutherford Laboratory before completing his apprenticeship in September 1974. He is now working in R9 Mechanical Workshop.

After becoming an apprentice Jeromey continued his studies, being awarded a 2nd class pass in the Part I examination for the CCLI Mechanical Engineering Technician's Certificate in December 1971, credits in Part 2 in June 1973 and a pass in Part 3 examination leading to the award of a Full Technological Certificate. He is now studying for stage AI of the Higher National Certificate in Engineering.

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NIMBUS 'E' SCR This experiment designed and engineered by the Laboratory (see RL Bulletin 43 dated 18/12/72) is now in its third year of operation having passed its second anniversary in orbit on 11 December.

Its 7 mechanisms are still performing correctly with its 16 data channels providing a temperature profile of the atmosphere covering the globe twice in 24 hours, i.e. for a given point once bathed in sunlight and once in darkness.

Its successor will fly on Nimbus 'F' spacecraft to be launched after this Easter and design work at the Lab is well advanced for a sounding instrument SAMS to be flown on Nimbus 'G' to be launched in 1978. (More about this instrument will appear in a later RL Bulletin).

INTERNAL EVENTS

INFORMAL THEORETICAL PHYSICS MEETING - Lecture Theatre

The programme is as follows

Monday 6 January		
14.00 - 15.25	Hadron Physics at ISR Energies	*M Jacob/CERN*
15.55 - 17.30	Renormalization Group and Reggeon Calculus	*J Ellis/CERN*
Tuesday 7 January		
09.45 - 11.15	High Energy Interactions in Complex Nuclei	*W Czyz/Cracow*
11.45 - 13.15	Large P_T Physics	*L M Lederman/Columbia*
14.15 - 15.40	e^+e^- Annihilations	*C H Llewellyn-Smith/Oxford*
16.05 - 17.30	Charmed Particles	*M K Gaillard/CERN*
Wednesday 8 January		
09.45 - 11.15	Unitary Dual Model for Hadron Collisions	*Chan Hong-Mo/RL*
11.45 - 13.15	Gauge Theories and Dual Models	*K Bardakci/Berkeley & Paris*
14.15 - 15.40	Questions in Resonance Physics	*G C Oades/Aarhus*
16.05 - 17.30	Quark Confinement in Gauge & Bag Models	*L Susskind/Yeshira, New York*

RUTHERFORD LABORATORY LECTURE
Thursday 9 January
15.15
Lecture Theatre

Thermo-Mechanical Oscillators

Mr E H Cooke-Yarborough/AERE (Postponed from 19 December - see Bulletin No. 26/74 for details)

NIMROD LECTURE SERIES
Monday 13 January
11.30
Lecture Theatre

Results on Electroproduction in Exclusive Channels

Dr G Wolf/DESY

TRADE DEMONSTRATION
Tuesday 14 January
10.00 - 16.00
Conference Room, Building R12

CASE (Computer and Systems Engineering Ltd) will be demonstrating a number of items from their range of data communication equipment including graphic and alphanumeric displays, printing, terminals, modems and multiplexors. In particular the popular VISTAR G.T. VDU and TERMINET printing terminals will be on display.

HEP SEMINAR
Wednesday 15 January
11.00
Conference Room, Building R61

Multiparticle Production in a Cluster Model

A Gula/Krakow and RL

SEMINAR IN COMPUTING
Friday 17 January
11.00
Conference Room, Building R61

Experience Using a Special Purpose Hardware Processor on an Experiment at the ISR.

C Maclean, G MacPherson, S Sharrock, P Wilde.

There have been many proposals recently to supplement the computational power of on-line mini computers with special purpose processors. One of the first practical implementations of this concept has been used with great success on an experiment at the ISR to provide on-line momentum distributions. Details of this hardware and its mode of operation will be presented.

NIMROD LECTURE SERIES
Monday 20 January
11.30
Lecture Theatre

Theories with Interacting Pomerons

Dr L Caneschi/CERN

EXTERNAL EVENTS

KING'S COLLEGE

NUCLEAR PHYSICS GROUP SEMINAR/ROOM 129 - 14.00 hours
15 Jan: Some Target Spin & Neutron Number Effects in the A=50 to A=70 Region/ *Dr J B A England/Birmingham.*

AERE

COMPUTER SCIENCE & SYSTEMS DIVISION SEMINAR/Conf. Rm, Bldg 7.12 - 10.30 hours
17 Jan: Automatic Detection of Errors in Computer Programs by Data Flow Analysis/ *Lloyd D Fosdick/U. of Colorado.*

CORRECTION An important error occured in Bulletin No. 26/74 apertaining to the Periodical Safety Test of Portable Electrical Equipment. The first sentence should read "The test carried out during November 1974 has now been completed".

OVERSEAS VISITS The following will visit CERN on the dates shown to continue the dismantling of the Muon experiment on the ISR - Messrs H O Normington, R Morgan & C Page, 2-17 January; Mr L Phillips, 5-7 January; Messrs K Miles & R Blatchford, 5-10 January; P O'Brian, 9-17 January; Messrs N F Swan-Taylor, E Towndrow & R Croucher, 12-24 January; Mr C Smith, 20-31 January.

Messrs C W Planner & R A Church, to CERN, 5-8 January for discussions on 70 MeV Linac equipment.

Messrs G J Alner & H S Taylor, to Holland, 5-10 January to attend cryogenerator instruction course at Eindhoven.

Mr F J Wickens, to CERN, 6-10 January, to work on S120 Experiment.

Dr M M Curtis & Mr G H Adamson to West Germany, 12-15 January, to attend SEAS OS and Performance Evaluation Committee Meetings.

Dr R J N Phillips, to Madison, USA, 13-31 January for discussions.

Mr P J Hemmings to West Germany, 13-14 January, to attend meeting of SEAS Fotran Committee.

Messrs E W Fitzharris & C Thomas, to CERN, 14-15 January, to inspect TST to be installed in 12' Argonne chamber before shipment & for discussions on liquid hydrogen targets.

Dr C J S Damerell, to CERN, 19-24 January, to work on S120 experiment.

Dr A J Van Horn, to the USA 19 January - 15 February, to present paper at annual meeting of American Physical Society & to visit various establishments.

STOP PRESS Elementary Particle Physics Seminar, NP Dept Oxford 14.30 hrs, Thursday, 16 January.

"High Energy Hadron Reactions with Polarized Beams" - *Dennis Wray/UCL*

FAREWELL MESSAGE Margaret Hale, Personal Secretary to Dr Kalmus for the last 2½ years has left to start a new career with the Ministry of Defence at Didcot, on computer programming. She sends the following message -

"I would like to say Thank You for the lovely pen and pencil set, and Goodbye and a Happy New Year to everyone I didn't get time to see before leaving".

ANOTHER FAREWELL MESSAGE Julie Read a member of the Computer Operations Group in the C & A Division has left to live in the Nottingham area where her husband has taken up a new post. Julie first joined the Atlas Lab in July 1963 and came to the RL in March 1968. Many people will remember her as a very sincere, helpful & loyal person who has made a very valuable contribution to the Laboratory both in her work and in her association with other members of the Laboratory. She will be very much missed but everyone will join in wishing her a very happy & successful future.

Julie has sent the following message *"I would like to say thank you very much to everyone from RL and Atlas who contributed to my farewell gift of a Teasmade. The early morning buzz will ensure that I will never forget the happy years I spent at RL and Atlas and will remind me of the valued friendships I have made. I shall miss everyone very much".*

LOCAL SUGGESTIONS AWARDS At the 12th meeting of the Local Suggestions Awards Committee on 3 December, the following awards were approved:-

Mr R F Childs	Admin.	RI	£5	
Mr D Taylor	"	R40	£10	
Mr A M Jackson	ACL		£5	
Mr H Webb	Eng.	R9	£10	
Mr A W Benson	Nimrod	R55	£10	
Mr H E Clark	"	R8	£5	
"	"	"	£10	
"	"	"	£2.50	- Joint Award
Mr K Gebhart	"	R2	£10	
Mr F Harris	"	R8	£2.50	- Joint Award
			£12	
Mr A Hudson	"	R2	£5	
Mr E G Starr	"	R3	£5	
"			£5	

NIMROD SCHEDULE

CYCLE 13 3.1.75 - 30.1.75

Team	Beam	MACHINE PHYSICS Experiment	HIGH ENERGY PHYSICS State
RUTHERFORD LABORATORY	π11	Beam Measurements	Tests
IMPERIAL COLLEGE/RL	π8A	Experiments on Narrow Bosons X^0 (958)	Data
BEAM DETECTOR GROUP	K15A	Parasitic Running	Tests
COUNTER GROUP B/ CAMBRIDGE UNIVERSITY	π12	$\pi^- p \rightarrow k^0 \Lambda^0$ in the Range 1.4 - 2.0 GeV/c	Data
RUTHERFORD LABORATORY	π9	Polarisation in the $\pi^- p \rightarrow \pi^0 n$, nn	Data
BIRMINGHAM/SURREY/RL	K17	Study of X-rays from $K^- p$ Atoms	Setting up

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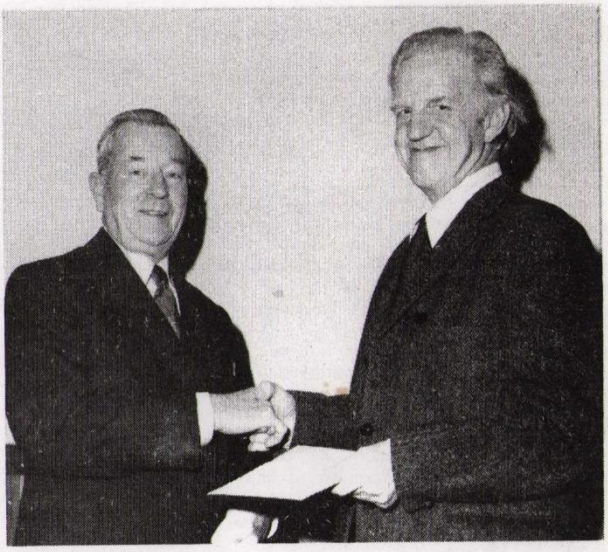
Deadline for Insertions	GENERAL & SOCIAL NEWS	INTERNAL & EXTERNAL EVENTS
	Tuesday 1600	Wednesday 1200

TAFFY IS A WELSHMAN



In the last Bulletin for 1974 we reported on the retirement of Alec Goode, who during a working life of 48 years had witnessed great changes in working conditions. One week later we said farewell to Mr E. E. T. Jones; like Alec he started his career back in 1926 and can remember vividly the harsh conditions then existing, the long hours and the low standards of safety then observed or rather ignored. Mr Jones, or as most people knew him, Ivor, (well you try pronouncing Eurfy!!) has been for the past thirteen years a member of the Safety Group being concerned mainly with mechanical safety at the Laboratory.

In 1926 Ivor joined a Llanelli contracting firm in South Wales as an apprentice in electrical and mechanical engineering. He stayed with this firm for the next 18 years concerned with a range of work from winding armatures for electric motors, installing 500 bhp motors and mechanical equipment in coal mines to installing acoustic equipment in churches and chapels to aid deaf people. During the early days of the last war he fitted out trawlers with degaussing equipment.

In 1944 Ivor moved to the Admiralty, still in South Wales, being concerned with the supply of fleet machinery to H M Ships and the Fleet Air Arm. The first part of his 4 years with the Admiralty was spent on storing, the latter part on destoring. He said farewell to South Wales in 1948 when he joined the Colonial Service and moved to Africa. For the next 9 years Ivor was in charge of port installations at Dar-es-Salaam, Tanganyika (new Tanzania), part of his job being the construction of dock side cranes. In 1957 he transferred to Nairobi in Kenya, as Senior Millwright foreman responsible for all equipment and supplies, steam oil etc. Here he stayed until 1961 when he retired from the Colonial Service. Ivor was in East Africa during the Mau Mau troubles and had in fact Mau Mau detainees working for him at different times. During the Nairobi period he had built four traversers for moving locomotives and rolling stock ranging in weight from 46-250 tons. (Visitors to the SRC Swindon Office can see a traverser as they approach the building).

It was during Ivor's service in Africa that he and his wife acquired an interest in wild life and they spent many happy hours in the game parks. This interest still continues and is combined with his other main interest which is motoring, Ivor and his wife, armed with field glasses and innumerable guides, really enjoy just driving around, exploring the byways and the wild life still to be found.

On his return to England he came to the Lab in 1962 and was offered a post in the Safety Group where he remained until his retirement. Five years ago, at the age of 60, he sat, and passed an examination to become a Corporate Member of the Institution of Industrial Safety Officers. Further comment seems unnecessary!

At his presentation on Wednesday 18 December, Ken Myers, Head of the Safety Group, spoke of Ivor's long history of work, finally introducing Mr Bowles, the Laboratory's Chief Engineer who on behalf of Ivor's many friends and colleagues made the presentation. Mr Bowles said that Ivor had made a great contribution to safety in a very practical manner. He also spoke of Ivor's interest in cars which went back to 1920.

Ivor in reply thanked everyone for the present and mentioned that 13 years ago he had the choice of 2 jobs. He had never regretted the decision to come to the RL. One of the things he had learned was to be diplomatic. He had been used to giving orders to 300-400 people, here he had to learn to ask. Ken Myers concluded the ceremony by presenting Ivor's wife with a bouquet of flowers.

Ivor wishes to express his sincere thanks to all who contributed to his farewell present, and to say that he said 'cheerio' to as many people as he could before he finally left, and that to all others at the Laboratory he wishes a 'Happy New Year' for 1975 on behalf of his wife and himself.