Rutherford Laboratory

7-21 January 1974

bulletin 1

NIMROD PIONEER RETIRES

Fred Collins, of Nimrod Vacuum Section, has retired on grounds of ill health after nearly a year of absence from work.

Fred, who is 60, joined the Rutherford Laboratory in June 1959 as one of a group of people recruited by the Engineering Services Group and seconded to the Vacuum Group to assist with testing of the Nimrod Vacuum System. He took on the task of operating the Group store and ensuring the supply and delivery of the materials and spare parts needed in the construction and eventually for the maintenance of Nimrod.

For most of his time at the Laboratory, Fred was active in Trade Union matters and served on the Local Joint Consultative Committee from its inauguration in 1961. For many years he was joint secretary to the Committee.

Before coming to the Laboratory, Fred served for 20 years at Wilton Depot, interrupted only by his service in the Royal Engineers which took him to the Middle East and Italy. We understand that he knew a thing or two about Bailey Bridges by the time he was demobbed!

When a party of his colleagues paid him a visit at his home on 21st December evidence of Fred's prowess at play was very much to the fore, the sideboard overflowing with trophies acquired while throwing darts for his local hostelry.

A parting gift from his many friends at the Laboratory, together with an autographed card, was presented by Mr Gordon Grossart who paid tribute to Fred's willing and conscientious service, his concern for his fellows and wished him health to enjoy a long and happy retirement, - a wish that we all echo.

CERN POLARIZED PROTON TARGET AT NIMROD

During the last few weeks we have heard much French being spoken around the caravans in R6. It culminated with the first data taking of the CERN-ORSAY-OXFORD group who are measuring the polarization parameter for elastic proton-proton scattering at 8 GeV/c. A CERN target with a proton polarization of 90% has been set up in the P8l extracted proton beam line of NIMROD. Scattered protons from the target are detected in scintillation counter hodoscopes, and the data is recorded and partially analysed using a CAMAC system on line to a Data General Nova computer capable of recording up to 300,000 events/hour. This experiment is unique in polarized target work, by using a high intensity extracted beam of up to 10^9 protons per pulse, which will allow polarization measurements to be extended to very wide scattering angles where the rate is very low.

This experiment is also unique in having CERN and Orsay experimental teams collaborating in a counter experiment at NIMROD. Data taking will continue when NIMROD resumes operation after the winter shutdown.

(It is hoped to publish a photograph in the near future - Ed)

FILM BADGE NOTICE

Period 1 commenced Monday 31 December. Colour strip - YELLOW for βγ films.

There is no issue of neutron packs due to the Nimrod shutdown - please make sure that all old packs have been returned.

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

UNDELIVERABLE MAIL

A letter from the Australian Broadcasting Commission is held by the Editor from whom the owner can collect.

INTERNAL EVENTS

NIMROD LECTURE SERIES
Monday 7 January
11.30
Lecture Theatre

Inelastic Proton Scattering at the ISR.

Dr M Albrow/CERN

HEP SEMINAR
Wednesday 9 January
11.00
Conference Room, Building R1

Elastic Scattering in a Two Component Model

Frank Henyey/Michigan

NIMROD LECTURE SERIES
Monday 14 January
11.30
Lecture Theatre

Neutrino Electron Scattering in Theories with Neutral Currents.

Dr L M Sehgal/Physikalisches Institut, Aachen

HEP USERS MEETING
Monday 14 January
14.15
Lecture Theatre

The two main items for discussion are -

(a) Beam Lines for Nimrod in 1975
(b) A Talk on Proportional Counters by Dr Bateman

HEP SEMINAR
Wednesday 16 January
11.00
Conference Room, Building R1

An Ascoli Analysis of 3π Data in the A_3 Region.

G Thompson/Oxford

SEMINAR IN COMPUTING
Friday 18 January
11.00
Conference Room, Building R12

Relational Data - Base Systems

J W Burren

Data processing systems are concerned with two major items; the data itself and the programs that process the data. A major aim in systems that are to have a long life is to shield the programs from changes to both the physical form and the logical form in which the data is held. This is the concept of data independence.

Recent work on the theory of "relations", in particular work by Dr E F Codd (IBM Research Centre, San Jose), has given a much clearer insight into the problem of finding types of data structure that give rise to data independence. This talk will give an introduction to this work.

NIMROD LECTURE SERIES
Monday 21 January
11.30
Lecture Theatre

K_L^0 Decay

Professor S Wojcicki/Stanford University and CERN

RUTHERFORD LABORATORY BULLETIN *Published by the Scientific Administration Group*

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

MISSING EQUIPMENT

The following items of equipment have been reported missing from Counter Group C.

Horizontal Plug-in Unit type 1420A, ser no 4-659-00293
Dual Trace Amplifier for 175A, ser no 314-00129
Horizontal Plug-in Unit, ser no 207-00615
Tektronix Oscilloscope type 519, ser no 356

Anyone with information on the present whereabouts of these items is asked to contact H R Renshall on ext 213.

SITE EMERGENCY

Recognition Test Sounding of the Site Emergency Klaxons -

1. The Klaxons will be sounded for a recognition test at 10.00 hours on Tuesday 8 January.
2. Notice Boards announcing the sounding will be posted at the entrances to the Laboratory from mid-day Monday 7 January until after the test has been completed.
3. Any defective klaxons which may be noticed during the test sounding should be reported to E P G Lane ext 270.

BULLETIN NOTICE

Bulletin no 30 (10-24 September 1973) announced that the Editor would be absent for six weeks and that all telephone enquiries should be directed to Mr F Harden, the Acting Editor. The Editor apologises for his miscalculation but is now back in the 'hot seat' so in future all written or telephone communications should be made to H F Norris, Room 42, R20, ext 484. The Bulletin however will continue to be issued fortnightly for the time being.

OVERSEAS VISITS

Dr J B Forsyth, to ILL Grenoble, 7-18 January to carry out authorised neutron beam experiment on D5.

Mr R J Elsey, to Brussels, 8-9 January to attend International Vacuum Standards Meeting.

The Director, to Geneva, 10-11 January to attend meeting of ECFA Working Party Sub-Committee 3, and 18-20 January for meeting of CERN Council.

RUTHERFORD LABORATORY LECTURE

Owing to the present situation the lecture of 10 January has been postponed at the request of Mr Hastings until sometime in April.

PERIODICAL SAFETY TEST OF PORTABLE ELECTRICAL EQUIPMENT

The test carried out during November 1973 has been completed. The current marker is BLUE and is marked 'Do not use after March 1974'.

Portable electrical equipment marked otherwise, or has no marker should be considered unsafe and MUST NOT BE USED.

All such items should be returned if possible to Electrical Services Building R18. Alternatively, ring A Hipwell ext 573.

SOCIAL NEWS

ATLAS AND RUTHERFORD LABS TABLE TENNIS

Division II

Atlas 'A'	beat Culham 'A'	7-3
Atlas 'B'	lost to BRSA 'G'	3-7
Esso 'B'	lost to Atlas 'A'	7-3

Division IV

BRSA 'J'	beat Atlas 'C'	8-2
BRSA 'I'	beat Atlas 'C'	10-0
Atlas 'C'	w.o. AERE I	10-0

Atlas 'A' are still holding fourth place in Division II. The match against the leaders, BRSA 'G' was very long with eight of the ten games going to best of three. Atlas 'C's walk over has lifted them off the bottom of Division IV. Unfortunately, Atlas 'B' have had to withdraw owing to transportation and shift work problems.

FOLK CLUB

The Folk Club will meet this Friday 4 January at 8 pm in the R22 Coffee Lounge. The star attraction is Diz Dizley. Admission at door as usual - 25p.