



Rutherford  
Laboratory

9-16 July 1973

bulletin 25



Tony Jefferies collects a parting gift of a cheque, subscribed by friends and colleagues, from Jack Wyatt, Head of General Administration. Tony has been around the Rutherford and Atlas Laboratories since April 1962, 'administering' to peoples needs. He has now decided to have a change and take up engineering full time instead of as a part time hobby.

#### PLEASE MISTER, CAN WE HAVE OUR BALL BACK?

Would the person who removed nine Sliplock blue binders from the Library R20, please return them to F Harden, Room 23, R20.

#### FILM BADGE NOTICE

It is Period 7. Colour Strip - RED for B<sub>y</sub> films and neutron packs. Please check that you wearing the correct films and that all old ones are returned.

#### UNDELIVERABLE MAIL

A large envelope has been received addressed to a Dr Priest at the Rutherford Laboratories, from a Mr P N Harvey, Reed Corrugated Cases Ltd. One should say that the short letter in the large envelope was from Mr P N Harvey. The short letter also mentions that two small samples of board are enclosed. The large envelope does contain two sheets of corrugated cardboard! Would Dr Priest like to contact the Editor, who is still looking for the small samples of board - or is it the corrugated cardboard!??

#### OVERSEAS VISITS

Mr N J Diserens, to the USA, 6-16 July, to visit ANL and to participate in a Conference on Magnetic Fields at the University of Nevada.

Mr K A Freeston and Mr K Hawkins, to CERN, 8-13 July for Installation work on the S120 Experiment.

Dr C M Fisher, to CERN, 10-13 July for various discussions and to attend TCC meeting.



# INTERNAL EVENTS

## NIMROD LECTURE SERIES

Monday 9 July  
11.30  
Lecture Theatre

High Energy Neutrino Physics - Recent Results

*Professor C Franzinetti/University of Torino*

## APPLIED PHYSICS LECTURE

Monday 9 July  
15.15  
Lecture Theatre

Physics of Accelerators and Storage Rings - Part III

*Dr J D Lawson/RHEL*

Orbit theory ( $\beta$  functions, resonances, momentum compaction), phase oscillations and synchrotron radiation.

## HEP DISCUSSION GROUP

Wednesday 11 July  
11.00  
Conference Room, Building R1

Approach to Scaling for the Inclusive Reaction  $pp \rightarrow pX$  with the NAL Accelerator.

*Professor A Pagnamenta/University of Illinois and Max Plank Institute - Munich.*

## SPECIAL NIMROD LECTURE

Thursday 12 July  
14.30  
Lecture Theatre

Multiplicity Distributions and Inclusive Spectra from 20 GeV/c to ISR in a Multiperipheral Cluster Model

*Dr G Fox/CERN*

## SEMINAR IN COMPUTING

Friday 13 July  
10.00 - 17.00  
Lecture Theatre

Remote Computing and Teleprocessing

An all day meeting will be held where a number of speakers will review how 'teleprocessing' is used on their computer installation:

So far speakers from DNPL, London University Computer Centre and CERN have agreed to talk about their particular installations. Professor Kirstein of the London Institute of Computer Science will talk about the ARPA network and in addition the Post Office will discuss the new experimental packet switched service (EPSS) and the digital data network.

## SUMMER SCHOOL

The Experimentalists Summer School will run from 15 - 27 July inclusive, daily from 09.30 - 17.45 in the Lecture Theatre.

## NIMROD LECTURE SERIES

Monday 16 July  
11.30  
Conference Room, Building R1

Production of High Transverse Momentum Particles at the ISR.

*Dr B Duff/UCL*

# NIMROD SCHEDULE

CYCLE 6 26 6 73 - 17 7 73

MACHINE PHYSICS

HIGH ENERGY PHYSICS

<u>Team</u>	<u>Beam</u>	<u>Experiment</u>	<u>State</u>
HBC/UCL/BRUSSELS	K19	Stopped $K^-$ in $H_2$ - Track Sensitive Target	Data
BRISTOL/SOTON/RHEL	K15	$\pi^+p$ Differential Cross-Sections	Data
CHURCHILL HOSPITAL/ BART'S MEDICAL COLLEGE/ RHEL	$\pi 11$	Radiobiological and Ion Chambers Evaluation	Tests
COUNTER GROUPS A & C/ DETECTORS GROUP	$\pi 8$	Proposal Studies and Detector Evaluation	Tests
BIRMINGHAM/SURREY/RHEL	K17	Stopping Kaons	Setting up
CERN/ORSAY/OXFORD	P81	Hadron-Proton Spin	Setting up



# SOCIAL NEWS

DEAR ADMIN

21X-A-2IDE

Please Mr LAO some of our chairs have broken.

SRC SPORTS DAY 29 JUNE 1973

"I can't do that because there is a delay in the new ones being handed in".

"Oh! I'm afraid that ITS NOT LAB POLICY to issue new ones without the old ones being handed in".

"All right Mr LAO we'll borrow some but incidentally can we have identical replacements to our comfortable old red cloth upholstered wooden ones".

"Sorry about that old boy but it's NOT LAB POLICY to have wooden furniture in the lab."

"Oh dear! does that mean we will have to have the plastic ones? because you see we perspire a lot and they get sticky!"

"Well I'm afraid it is SRC policy to change anything that is OK, ball point pens, chairs etc. at regular intervals and plastic is now all that we can get. However the plastic does crack after a while I agree, and the girls at the London Office have been tearing their tights so there is an improved 'semi plastic' version available".

"OK we will have those. Now what happens to our nice old comfortable ones that only need new webbing? Can't they be repaired?"

"Well I'm afraid not, IT'S NOT LAB POLICY to repair furniture - it costs more than the new item".

"So what happens?"

"The chairs get scrapped".

"Can't we buy them - they would be useful at home".

"Sorry again, but ITS NOT LAB POLICY to sell scrap items to employees".

"Well I will tell you what - me and the boys will get together one lunch time and get hammer, tacks and webbing and repair them ourselves".

"Oh no! you can't do that - it's NOT LAB POLICY to allow employees to repair furniture - think of the insurance problem if one of the repaired chairs collapses etc. etc. ....

RUTHERFORD LABORATORY BULLETIN

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Editor: H F MORRIS

Deadline  
for  
Insertions

GENERAL & SOCIAL NEWS  
Tuesday 1600

INTERNAL & EXTERNAL EVENTS  
Wednesday 1200

Room 42 Building B20  
Rutherford Laboratory  
Chilton Didcot, Berks  
Abingdon 1900 Ext 484



# SOCIAL NEWS

SRC SPORTS DAY 29 JUNE 1973

Some 150 participants and spectators from the

Rutherford and Atlas Laboratories made the trip to Chiswick for this year's sports day. The weather was again very kind, a fine sunny day with a nice breeze, ideal conditions for both the 'performers' and spectators. Rutherford went to Chiswick as holders of the Cricket, Netball and Bowls Cups. They came back with the Six-a-side Football Cup, two Bowls Cups and the Chess Cup. Atlas returned with the Netball Cup.

## RESULTS AND REPORTS:-

### CRICKET (16 overs/innings)

1st Round RHEL 81 for 4, beat Atlas, 30 all out

Semi-Finals RSRs 64 for 1, beat DNPL 63 for 6  
RGO 65 for 5, beat RHEL 59 for 8

Final RGO 84 for 2 beat RSRs 82 for 2

Some fine cricket was played, in most games the batsmen having the better of it. RHEL after disposing of Atlas in the first round, lost to RGO in an exciting game, RGO then went on to beat a strong RSRs team.

### BOWLS

#### Knockout Triples Tournament

C Grindrod, N Ferguson and G Simms/RHEL beat R Blunt, A Bishop and A Damerell/RHEL to finish up winners of a fine tournament, the experienced triple being a bit too good for their opponents.

#### Fours American Tournament

Another fine tournament, the winners, C Richardson, L Harding, F Adlington and R Hogan/RHEL, were never really in danger of losing.

### TENNIS

RHEL and Atlas have never won a tennis event at Chiswick. This year RHEL came very close with Pam Rose and Tim Pett putting up a great fight in the mixed doubles, being just beaten into second place by Dr and Mrs Horner from RSRs.

### NETBALL

This was a very exciting event as after all the games had been played RHEL and ATLAS were level on 5 points, both having won 2 and drawn 1.

The play-off was hard and exciting with Atlas, always having their noses in front, running out the winners, 4 to 3.

Well played girls.

### CHESS

This year chess was a team event.

Teams of three, each team playing each other with a time limit of 10 minutes each game per player. (Basically that meant you had to win inside your time limit).

A very close battle developed between RSRs 'A' team and RHEL 'C' team with the RHEL team getting the verdict in the final round by virtue of their better games won record.

First RHEL 'C' - 7 points (won 16½ games out of 21)

Second RSRs 'A' - 7 points (won 14½ games out of 21)

The RHEL 'C' team was Peter Craske, Bob Maybury and John Guy.

Congratulations to John Guy who won all of his 7 games.

### FOOTBALL

#### SIX-A-SIDE

This event again developed into a battle between RHEL and DNPL, last year's winners; this time RHEL emerging worthy winners.

#### Semi-Finals

RSRs 'A' - 1 (halftime) 1 (full time)

Daresbury - 0 (halftime) 2 (full time)

This semi final was keenly and sportingly contested, with RSRs going ahead in the first half and looking potential finalists. Daresbury however equalised two minutes into the second half from a corner and with 3 minutes to go scored the winning goal.

Rutherford 'C' - - (halftime) 1 corner (full time)

Rutherford 'D' - 1 corner (halftime) 1 corner (full time)

As can be seen no goals were scored in this match the result being decided on corners. For the record the Rutherford 'C' team failed to reach the final and yet throughout the competition had not conceded a single goal.

There was nothing to chose between the two sides and everybody's sympathy went to Denis Harris who had played impeccably throughout the competition and, one understands, momentarily forgot about the corner rule.

#### Final

This was a game which came up to all expectations, a worthy climax to the days competition with a meeting of two well balanced sides and also old rivals for the Championship.

The game started with Daresbury making a determined attack on the Rutherford goal. RHEL came back and with the game only one minute old John Mackerness from just outside the penalty area cracked the ball into the left hand corner of the net leaving the Daresbury keeper helpless. DNPL came back to score the equaliser however with a further goal scored by Tony Franks, RHEL were in the lead at halftime by 2 - 1.

The second half saw DNPL fighting back and in less than a minute RHEL conceded the first corner of the game and from it a DNPL forward headed the ball past Dave Lucas to bring the score to 2 - 2.

The game restarted and following pressure by RHEL during which time DNPL conceded two corners, the ball was cleared only to Daryl Fairhead who took a drop kick to find the back of the DNPL net. DNPL came back once again with a shot that had Dave Lucas beaten by its sheer speed.

The winning goal came a minute from time with John Mackerness picking up a through ball to run on and beat the DNPL keeper and put the ball in the net giving RHEL the Cup back again.

Final Score RHEL 4 - DNPL 3

FINALLY A very big thank you to Bill Butler (St Johns) for the excellent first aid cover during the day. 15 treatable cases plus the usual bumps and bruises.

\* \* \* \* \*

CHRISTIAN FELLOWSHIP Meyrick Wyard of Building R18 will be leading a discussion on the significance of Water Baptism. All are welcome to come along to the meeting at 12.30 on Friday 13 July in the Conference Room, R12.