

NEW LIBRARY APPROVED

The Department of Education and Science has given its approval to the construction of a purpose built Library at the Rutherford Laboratory. Building will start in the Autumn and should be complete before the end of 1973.

The chosen design fills the gap between R1 and R25, thus giving the library the ideal (but seldom realised) central location. A three storey block will be added to the northern end of R25; from this a bridge will stretch, at first floor level, across to R1, joining it immediately above the main entrance. The bridge, 100 feet long and 40 feet wide will house the Reading Room and the eastern wall will be formed entirely from solar control anti-glare double glazing. A corridor connecting R1 and R25 will run along the western side of the bridge. In the three storey block, the ground floor will contain the book stack, a workroom and microfiche facilities; on the first floor (a continuation of the bridge) will be located the general office, Xerox room and issue desk together with a conference room whilst the heating and ventilation installation will be housed on the third floor.

In the Reading Room, special attention will be paid to lighting, sound levels and furnishing standards so as to ensure an attractive working environment. There will be accommodation for upwards of 40 readers. The shelf capacity (including that in the stack) will cope with the present net intake rate for 10 years, or 15-20 years with high density rolling shelves in the stack.

Drawings and a model of the new Library will be on display in R1 foyer in early August.

BEBC GETS 'COOL'

BEBC, the 3.7 metre European Hydrogen Bubble Chamber reached its first important target recently, when, after its first cool-down it underwent its first trials. The chamber itself was filled with 10 cubic metres of liquid hydrogen and was, along with other major parts, subjected to a number of tests. It is understood that these parts behaved as they should which is an important step towards the first run which is scheduled for November.

All at CERN concerned with this project are to be congratulated on this fine achievement.

FILM BADGE NOTICE

It is Period 8, Colour Strip - GREEN for $\beta\gamma$ films and fast neutron packs. Period 9 commences 7 August when it is also a 6 monthly dosimeter change for people with surnames commencing G H I J.

OVERSEAS VISITS

Dr B K Penney, to Erice, Sicily, 29 July-12 August to attend Summer School.
Mr H Hurst, to Copenhagen, 30 July-1 August to finalise Agenda for SEAS Conference and to hold discussions with Northern Europe Universities Computing Centre.
Messrs K Freestone, K Hawkins, A Chilvers and M Randle to CERN on 30 July for 2-3 weeks to undertake installation work on P-P experiment.
The Director to the USA, 2 August-13 September, to visit various Laboratories and attend the Batavia Conference.
Dr D P Roy to Copenhagen, 6-14 August, to attend the High Energy Symposium at the Niels Bohr Institute.
Mr W Russett and Mr A Dobbs, to CERN, 13-25 August for installation work on P-P experiment.

INTERNAL EVENTS

300 GeV SEMINAR
Monday 31 July
14.30
Conference Room, Building R1

Physics with High Energy Hyperon Beams
Introduced by R M Brown

NIMROD SCHEDULE

CYCLE 9 18 7 72 - 8 8 72

MACHINE PHYSICS

HIGH ENERGY PHYSICS

<u>Team</u>	<u>Beam</u>	<u>Experiment</u>	<u>State</u>
Birmingham University RHEL	K12A	K^+n Elastic Scattering and $K^+\eta$ Charge Exchange from 0.45-0.95 GeV/c	Data
Cambridge University RHEL	K13C	Associated Production Cross Sections	Data
Imperial College Southampton University	π^7	Studies of η ω and A_2	Data
Surrey University Birmingham University RHEL	π^{10}	Total Cross-Sections for Pions on Light Nuclei	Data
RHEL/UCL/Berkeley/ Torino	K9	4 GeV/c π^+p Interactions in track sensitive target	Data
Glasgow University RHEL	π^9, N_4	Polarisation Measurements in π^-p Charge Exchange	Parasitic
Bristol University Southampton University RHEL	K15	K^+p and π^+p Differential Cross-Sections	Parasitic

RUTHERFORD LABORATORY BULLETIN

Published by the Scientific Administration Group

Editor: H F NORRIS

Deadline
for
Insertions

GENERAL & SOCIAL NEWS
Tuesday 1600

INTERNAL & EXTERNAL EVENTS
Wednesday 1200

Room 42 Building R20
Rutherford Laboratory
Chilton Didcot Berks
Abingdon 1900 Ext 484

SOCIAL NEWS

ROUNDERS - RUTHERFORD TEAM WIN LEAGUE TITLE FOR SECOND YEAR RUNNING

Although they did not retain their unbeaten record this season the Rutherford team still managed to come top of their league on 'goal' average.

	P	W	D	L	F	A	PTS
SRC Rutherford Lab	6	5	0	1	39	21½	10
AERE HP & M	6	5	0	1	62	35	10

We are eagerly awaiting the results of the other League where a tremendous battle for the top place has ensued. The outcome of this will give the Rutherford team their opponents in the play off for the trophy. We were runners up last year and have high hopes of winning it this.

Pam Coulthard, the team captain, would like to thank everyone who has turned out this year as we have had excellent support and enough people to run two full teams. This has made the practice matches and friendlies less gruelling for the regular first team members than last year, as you might have to play up to four times a week if you have no reserves to draw on.

Special mention this year to "Cuddles" who didn't drop 'em very often (much to the ladies' disappointment) and could throw a real mean ball from the outfield. He also gave vocal "encouragement" when necessary. Our lady bowler also deserves special mention as she developed an unusual technique in bowling to the men which was so effective it had one umpire wondering if it should be ruled out as a technical no-ball offence.

More news next issue on the cup final.

CHISWICK SPORTS DAY AFTERMATH

The following list of items were left at Chiswick after the Sports Day:-

- 1 Arran knit cardigan - brown buttons
- 1 Green and yellow football shirt - red No 6 on back
- 1 Pair large, long, white nylon socks
- 1 White shirt, collar size 15 (made in Ireland)
- 1 Green Cricket Scoring Book (belonging to RGO)
- 1 Pair large dirty cricket shoes
- 1 Pair large, very dirty tennis shoes

Anyone who wishes to claim any of the above is asked to contact Mr J Rice on Ext 232.

RUTHERFORD AND ATLAS RECREATIONAL SOCIETY DANCE

The next dance will be on Friday 18 August 1972, 9pm-1am, dancing to the 'Good Tymes'. Buffet Supper. Tickets available soon price 50p. More details next issue.

CHRISTIAN FELLOWSHIP

- Friday August 4. All welcome to attend a prayer-meeting led by Mrs F Young of AERE. The meeting commences at 12.30pm in the R12 Conference Room.
- Friday August 11. Peter Kay, a young evangelist from Oxford, will be leading the meeting. You are welcome to come along and share with us a half-hour of Christian Fellowship at 12.30pm in the R12 Conference Room.