

Bulletin

of the Rutherford Appleton Laboratory

7 May 1985 No.6

Prince Hands Over Telescope

On Friday 19 April at a special ceremony, in the workshops of 'Genius', near Amsterdam the backing structure for the Millimetre Wave Telescope was handed over to the Director RAL, Dr Geoff Manning by HRH Prince Claus of the Netherlands.

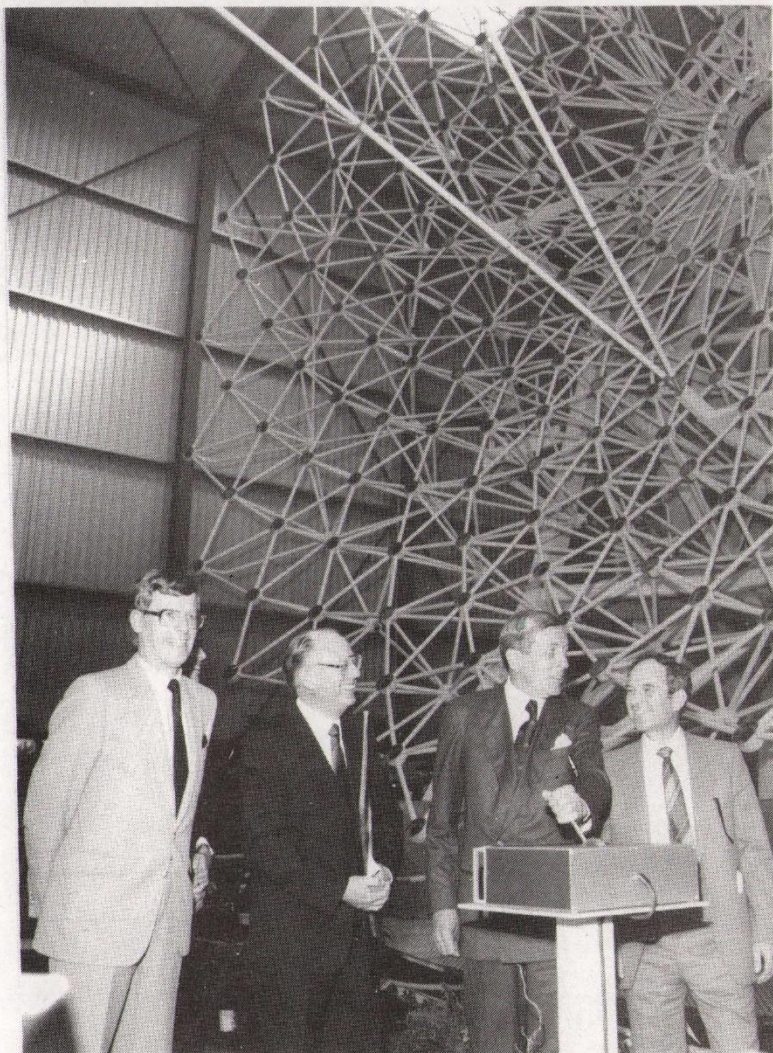
The occasion was also a celebration of the 40th Anniversary of Genius, and to mark this double event a party of RAL staff involved in the project had made the overnight journey to witness the royal hand-over, as guests of the Genius management.

In a delightful setting reminiscent of a Chelsea Flower Show with touches of Hawaii, the 'imposing skeleton of the Telescope towered impressively over all as the Director of Genius, Mr H P Bruggink, welcomed His Royal Highness and distinguished guests. Continuing in English he also welcomed his guests from RAL and Cambridge University. "We are proud they have accepted our invitation, and thank them for the fine co-operation they have given us during the period of construction of the Telescope" he said. "This will be the largest Sub-Millimetre Wave Telescope in the world and we are proud to have played a part in maintaining the leading position of British and Dutch Astronomers. We hope you have an interesting afternoon".

The Burgomaster of Velsen, Mr P J Molendijk added his congratulations on behalf of the municipality, and wished every success to both the Telescope and Genius.

Stressing the advantages of collaboration, Professor H van der Laan, Professor of Astronomy at Leiden, spoke of the background of the UK-NL astronomy enterprise and of the scientific goals of the Telescope.

Based on an agreement between two research councils, the British SERC and the Dutch ZWO, the astronomy collaboration was sparked by the need of both nation's astronomy communities to have access to a modern optical and millimetre telescope in the Northern Hemisphere, but not being able separately to bear the cost. By joining forces these facilities are now being built.



HRH Prince Claus of the Netherlands operating the UK-NL Millimetre Wave Telescope at its presentation to Dr Geoff Manning. On the left is Mr H Bruggink and on the far left, Professor H van der Laan. (85RC2364).

(Director 'Genius')

This unique radio-telescope, working in radio wave bands hitherto little explored, will enable astronomers to answer questions about the origins of stars, born in clouds of dust, and the fascinating phenomenon, the black-hole.

"The most exciting things observed may be things we could never have imagined", said Professor Laan. "Our imaginations are not as rich as reality!".

(Prof. Astronomy, Leiden Univ)

Mr Bruggink then requested Prince Claus to perform the ceremonial transfer of the Telescope to Dr Manning, which was accomplished to enthusiastic applause whilst The Prince put the Telescope through its paces.

(continued over)

Prince Hands Over Telescope (cont'd from p1)



Guests await the moment of hand over.



Members of the RAL team proudly present "their" telescope.

"Your Royal Highness, Ladies and Gentlemen, friends and colleagues, I am truly delighted to be here today", began Dr Manning, in reply and, looking at the Telescope, "It is a truly beautiful object".

He then went on to speak of a long and fruitful collaboration with the Netherlands, starting 20 years ago, at CERN, at the Rutherford accelerator Nimrod, recently on the infra-red satellite IRAS and now a new project in a new region. The experience had been a pleasant and rewarding one, he said.

The Telescope was a very demanding piece of engineering and the contract had been awarded to Genius as the result of a competitive tender. "For us", he joked "Genius, pronounced in the English way, reflects their skill".

Now the Telescope would be dismantled to begin its journey to Hawaii. It would be shipped from the North Sea Canal, another example of UK-NL collaboration - round about 1876. The plan was to reassemble it at the top of Mauna Kea in July-September,

and clad it with the 276 aluminium honeycomb plates being prepared at RAL during October-November. Then would begin a long period of commissioning during 1986 before the experimental programme began in 1987.

"We expect this facility to be the best in the world; an exciting, important, major contribution to astrophysics. Thank you Genius, I wish you equal success for the next 40 years", he concluded.

Sales to Employees

The sale of scrap metal and plastics to employees will take place on 24 May from 12 noon - 12.30 pm in the R24 Scrap Compound.

Any Takers ?

Is a large vacuum test vessel just what you are looking for? A Gibbs of Neutron Division would be pleased to hear from any other Laboratory group who might have a requirement for such a vessel.

For details please contact him on Ext 5105.

Film Badge Notice

It is period 5 colour strip BROWN. Please be sure you are wearing the correct dosimeter.

NEXT FILM ISSUE
Monday 20 May.

Blood Donor Clinic

Blood Donor Clinic will be held on Monday 20th & Tuesday 21st May 1985 at The Colloquium, Atlas Centre R27 from 10am-12 noon & 1.30pm-3pm both days.

NEW DONORS VERY WELCOME.

Thanks

Mrs Myra Gilbert would like to thank all friends and colleagues for the most handsome and useful presents and cards received on her retirement from the Laboratory.

"The gathering of long-standing colleagues and friends on Thursday and Friday 28 and 29 March made a very pleasant and memorable retirement for me. I hope we will keep in touch from time to time", she writes.

RAL TECHNOLOGY LECTURES

The next lecture in this series will be held on Thursday 23 May 1985 at 3.00 pm in the R22 Lecture Theatre.

ARTEMIS - COMPUTER AIDED PROJECT MANAGEMENT

by

ROBERT BURNS
METIER LIMITED
HAYES, MIDDLESEX

Metier Limited supplies a sophisticated computer based solution, ARTEMIS, to project management problems. ARTEMIS is suitable for many types of project from building an accelerator or launching a satellite to developing software. ARTEMIS contains Project and Management Graphics integrated with a high level command language, an integrated planning and resource scheduling system, and is based on a relational database. Users may opt for packaged solutions or tailor their own. It runs on the IBM PC, a minicomputer and an IBM mainframe. The minicomputer version will be used to demonstrate ARTEMIS during the course of the lecture.

Precedence and Arrow Networks, PERT charts etc can be produced along with associated calendars and resource data. Time analysis, resource scheduling and resource aggregation can be performed, all with a wide range of user-defined options. Sub networks can be created reflecting real-life organisational situations by modelling work and organisational breakdown structures. Full colour arrow and procedure networks, bar charts, pie diagrams can be output to terminals and hardcopy.

Trade Exhibition

There will be an exhibition by Self-Adhesive Supplies Ltd of very high bond adhesive systems and allied fixing speciality products on Tuesday 4 June in Conference Room 7, R12 from 10.00 - 16.00 hrs. All welcome!

Christian Fellowship

Meetings of the Fellowship are held in R2 Conference Room at 12.30 pm on Thursdays.

June's meetings are as follows:-

- 6 June Bible Study - Adriaui Cole
- 13 June Prayer Meeting - Jim Darius
- 20 June Personally Speaking
'The Bible & Experience (i)'
Frank Smith
- 27 June 'The Bible & Experience(ii)'
Vicky Murray

All are welcome.

Internal Events

NEUTRON DIVISION SEMINARS R3 CONF RM - 1330 hrs

- 14 May Dr Andrew Briggs/Oxford
'The Acoustic Microscope'
- 21 May Dr Harry Coles/Manchester
'Electro-optic Effects in Polymeric liquid crystals'
- 4 June Dr John Hunt/Oxford
'Numerical Modelling of Cellular Dendritic Growth.'

NIMROD LECTURES R61 CONF RM - 1400 hrs

- 13 May N Harnew/CERN
'Latest Results from UA2'
- 20 May R Cester/Torino
'Charmonium Formation in pp Interactions at the ISR.'

GEOPHYSICS SEMINARS R61 CONF RM - 1400 hrs

- 21 May Dr RWP McWhirter/RAL
'Physics of the Solar Corona and the Solar Wind.'
- 4 June Dr R Bingham/RAL
'The Role of Lower Hybrid Waves in Space and Laboratory Plasmas.'

HEP SEMINARS R61 CONF RM - 1100 hrs

- 15 May J Hock/RAL
' η -mass from Lattice QCD'
- 22 May P K Kabir/Virginia
'Review of the Current Status of CP Violation.'

Computing Seminars

These seminars are held in the Colloquium of the Atlas Centre at 3.15pm are open to all Laboratory staff.

The next lecture in the series takes place on

Thursday 16 May

Chris Osland/RAL

'PROGRESS IN GRAPHICS STANDARDS'

Thursday 23 May

Donald E Broadbent CBE, FRS
University of Oxford

'SOME CONTACTS BETWEEN PSYCHOLOGY AND COMPUTERS'

Tuesday 4 June

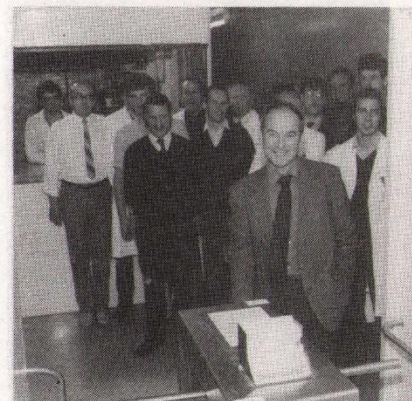
Peter Henderson
University of Stirling

'FUNCTIONAL PROGRAMMING, FORMAL SPECIFICATION & RAPID PROTOTYPING'

Super Stores

The re-birth of the RAL Stores Service in its new centralised quarters in R9 was celebrated on Thursday 18 April with an opening ceremony by the Director.

Dr Manning thanked Stores staff for their hard work, patience and endurance over many months of disruption and falling staff numbers. Over the last year or so, all the sub-stores have been closed, R40 has been vacated and the metal store has moved halfway across the site, and the main store has moved from R1 to R9 with a new and greatly enlarged free issue section.



Dr Manning is seen here surrounded by Stores staff, after using one of the new electronic cards to operate the turnstile into the free issue area.

We can now look forward to the second stage of the redevelopment of Stores, when it is planned to extend the range of goods available, computerise the Stores catalogue to allow Profs access, and improve liaison between Stores and users throughout the site.

Obituary

Mr C C Briscoe

We regret to announce the death of Mr Cyril Briscoe on Sunday 21 April.

Cyril joined Harwell in 1947 and was one of the first to transfer to NIRNS. He worked for many years on the PLA then, when it closed, he joined the Nimrod Vacuum Section. He retired due to ill health in 1980.

Cyril will always be remembered by his friends and colleagues for his great skill and practical knowledge and for the quiet and cheerful way he went about his work.

We extend our deepest sympathy to his wife Connie and to all his family.

Good Luck Win

A man of many parts, is Windsor Spinks, and the projects in which he has been involved during his 25 or so years at the Laboratory (in all its guises) have been many and varied.

This was reflected in the number of friends and colleagues from all divisions who turned up to wish him well, at his retirement ceremony held on Wednesday 3 April.

Win was a founder member of the Laboratory, joining the PLA in 1961, from which work emerged his book on Vacuum Technology; a work still in demand today, indeed a couple of copies have recently been sent to UKIRT in Hawaii.

For ten years he was involved in the development of nuclear emulsions which led to the setting up of the automatic film processing laboratory of which he was, in the early '70s, in charge. This was an extremely successful operation much appreciated by a variety of bubble chamber physicists. Then, after a number of years working in the preparation of experiments for radio-biological work on Nimrod, he joined the Energy Research Support Unit to work on energy in houses which took him back to his native Wales through the Abertridwr housing project.

His work inside the Lab has been matched with a similar variety of outside interests. He was founder member of the 'Barn Theatre', Didcot; played an active part in youth work, been Staff Side Secretary of the RL Whitley Committee and Vice Chairman of the RL Section. Politics too has figured in his life. As a Liberal he has served in a number of offices of local branch organisation.

But, most of all, he has devoted his 'spare-time' to the Royal British



Win Spinks admires his card with Ron Newport.

Legion. He joined as long ago as 1945 and is now National Chairman.

"This is a well deserved retirement in which I've no doubt he will have plenty to do", said Dr Ron Newport (Head of Instrumentation Division) who was making the presentation. "I trust that he will continue to enjoy his activities and we all wish him a long and happy retirement".

Win, in reply, told us that his wife was timing his speech so he'd better be brief. The film processing job had been one of the best, and he was still proud of a paper that stated that only at NIRNS could the processing the experiment required, be accomplished. He thanked Ron for mentioning the book. He had re-read it the other day - "and couldn't, understand a word!" His happiest days had been when the Lab was small, everyone knew everyone and whatever you needed you did for yourself. I thank all I've worked along-side. It's been great fun. Thanks for the pleasure you've given me. I shall surely miss you!"

Cheers



Consternation from Geoff Manning (top) Ian Forster (centre) and Tudor Morgan as the beer didn't quite flow.

RAL is no longer a "dry ship". On Monday 22 April 1985 (log that) the RecSoc Bar in R58 was declared open and Dr Geoff Manning, Director RAL, drew the first pint. At a small ceremony to mark the long awaited occasion, the RecSoc Chairman, Tudor Morgan, welcomed his guests and spoke of his pleasure that Dr Manning was free to perform the opening. He also expressed thanks on behalf of the RecSoc to management past and present, for all the help that had made the occasion possible. Geoff Manning said that he was delighted to be invited to perform the ceremony. The RecSoc, he reminded us, had started with a handful of people in 1967 and he was pleased to see so many of them present, especially the members of the original committee - Myra Gilbert, Bob McClure, Peter Craske. He had, he thought, impeccable qualifications for the duty, having during his RAF days spent two months as Sergeants Mess Caterer. He then presented the 'Bar' with plaques commemorating a golfing win and the visit of the Guinea Pig Club to RAL in 1982; unlocked the shutters and positioned himself behind the pumps.

For a moment it looked as if the beer wouldn't even reach the parts other beers could reach - but all was well and the amber nectar began to flow.

The Bar will now be open to RecSoc members from 12 noon to 1.30pm on weekdays. Depending on the success of the venture, opening hours may be extended. At present "Mine Host" is Ian Forster. To all concerned - Here's mud in your eye!

Darts Champion ?

Tudor Morgan has reached the final of the Civil Service Southern Regional Darts Singles Championship.

This event, plus team events will be played at Reading Civil Service Sports Club on Sunday 19 May. Also looking for honours that day - the ladies team from Atlas.

Good luck to all.

Situations Vacant

Will any member of RecSoc who is willing to work behind the bar at lunchtime, please submit names to Ian Forster Ext 6263, R2. Up to twelve volunteers are needed.

Bulletin

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